

eCVP

Electronic Comprehensive Validation Package



Air Toxics Ltd.

180 Blue Ravine Road Ste. B
Folsom, CA 95630
Phone: 916/985-1000
Fax: 916/985-1020
eMail: atl@airtoxics.com
www.airtoxics.com



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0703617

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. <u>Lumen Validation Report</u>	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	32
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	33	40
b. Surrogate Recover Summary Form (If Applicable)	41	41
c. Internal Standard Summary Form (If Applicable)	42	42
d. Duplicate Results Summary Sheet	43	44
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	45	175
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	176	189
i. Second Source LCS(Summary + Raw Data)	190	203
i. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	204	204
l. GC/MS Tune (Results + Raw Data)	205	290
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	291	292
b. Chain-of-Custody Records	293	293
c. Sample Log-In Sheet	294	294
d. Misc Shipping/Receiving Records (list of individual records)		
<u>Sample Receipt Discrepancy Report</u>	--	--
5. Other Records (describe or list)		
a. <u>Manual Spectral Defense</u>	--	--
b. <u>Manual Integrations</u>	--	--
c. <u>Manual Calculations</u>	--	--
d. <u>Canister Dilution Factors</u>	295	297
e. <u>Laboratory Corrective Action Request</u>	--	--
f. <u>CAS Number Reference</u>	298	299
g. <u>Variance Table</u>	--	--
h. <u>Canister Certification</u>	--	--
i. <u>Data Review Check Sheet</u>	300	300

Comments:

Completed by:

Judy Lee

(Signature)

Judy Lee / Document Control

(Print Name & Title)

4/12/07

(Date)



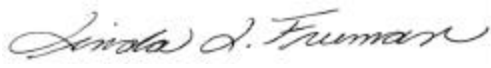
AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0703617

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033	BILL TO:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Dr. Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	P.O. #	NR
FAX:	860-368-5307	PROJECT #	061140-8-1703 BayShore OU1 Southern
DATE RECEIVED:	03/27/2007	CONTACT:	cell Air Kelly Buettner
DATE COMPLETED:	04/06/2007		
DATE REISSUED:	04/10/2007		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>
01A	AMS 4 UW	Modified TO-15	6.5 "Hg
01AA	AMS 4 UW Duplicate	Modified TO-15	6.5 "Hg
02A	AMS 2 DW	Modified TO-15	6.0 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY:  DATE: 04/10/07

Laboratory Director

Certification 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

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0703617

Two 6 Liter Summa Canister samples were received on March 27, 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.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
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 no performed).
- J - Estimated value.
- E - Exceeds instrument calibration range.
- S - Saturated peak.
- Q - Exceeds quality control limits.
- U - Compound analyzed for but not detected above the reporting limit.
- UJ- Non-detected compound associated with low bias in the CCV
- N - The identification is based on presumptive evidence.

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

- a-File was requantified

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample	Sample Extract		Sample Condition
					Holding Time (Days)	Date Analyzed	Holding Time (Days)	
AMS 4 UW	0703617-01A	3/22/2007	3/27/2007	NA	13	4/ 4/2007	NA	Good
AMS 4 UW Duplicate	0703617-01AA	3/22/2007	3/27/2007	NA	13	4/ 4/2007	NA	Good
AMS 2 DW	0703617-02A	3/22/2007	3/27/2007	NA	13	4/ 4/2007	NA	Good
Lab Blank	0703617-03A	NA	NA	NA	NA	4/ 4/2007	NA	Good
CCV	0703617-04A	NA	NA	NA	NA	4/ 4/2007	NA	Good
LCS	0703617-05A	NA	NA	NA	NA	4/ 4/2007	NA	Good

Sample Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 4 UW

Lab ID#: 0703617-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	1.3	2.7	4.0



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 4 UW

Lab ID#: 0703617-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040405	Date of Collection:	3/22/07
Dil. Factor:	1.71	Date of Analysis:	4/4/07 12:11 PM

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 4 UW

Lab ID#: 0703617-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040405	Date of Collection:	3/22/07
Dil. Factor:	1.71	Date of Analysis:	4/4/07 12:11 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	Not Detected	8.1	Not Detected
Carbon Disulfide	0.86	1.3	2.7	4.0
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	95	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	93	70-130

Report Date: 06-Apr-2007 14:45

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040405.d
 Lab Smp Id: 0703617-01A
 Inj Date : 04-APR-2007 12:11
 Operator : cb Inst ID: msdt.i
 Smp Info : 200mL#3707
 Misc Info : 6.5"Hg-5.0psi
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 10:42 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.d
 Als bottle: 1
 Dil Factor: 1.71000
 Integrator: HP RTE Compound Sublist: AT04.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====		=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.052	14.024 (1.000)	130	251413	25.0000		80.00-	120.00	100.00	
14.052	14.024 (1.000)	128	199114			26.53-	126.53	79.20	
14.024	14.024 (1.000)	49	605966			299.24-	399.24	241.02	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794 (1.000)	114	906449	25.0000		80.00-	120.00	100.00	
15.794	15.794 (1.000)	88	169319			0.00-	68.09	18.68	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019 (1.000)	117	675533	25.0000		80.00-	120.00	100.00	
21.019	21.019 (1.000)	82	429548			14.12-	114.12	63.59	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.130	15.102 (1.077)	65	499891	24.9014	24.901	80.00-	120.00	100.00	
15.130	15.102 (1.077)	67	235828			2.09-	102.09	47.18	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420 (1.166)	98	879399	23.7847	23.785	80.00-	120.00	100.00	
18.420	18.420 (1.166)	70	111401			0.00-	63.13	12.67	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.420	18.420	(1.166)	100	629733			21.11- 121.11	71.61
--------	--------	---------	-----	--------	--	--	---------------	-------

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.010	23.010	(1.095)	174	286048	23.1720	23.172	80.00- 120.00	100.00
23.010	23.010	(1.095)	95	470951			110.92- 210.92	164.64
23.010	23.010	(1.095)	176	280196			45.58- 145.58	97.95

47 Carbon Disulfide

CAS #: 75-15-0

10.651	10.623	(0.758)	76	48093	0.74846	1.280	80.00- 120.00	100.00
--------	--------	---------	----	-------	---------	-------	---------------	--------

Report Date: 06-Apr-2007 14:45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARYInstrument ID: msdt.i
Lab File ID: t040405.d
Lab Smp Id: 0703617-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: cbCalibration Date: 04-APR-2007
Calibration Time: 09:04Level: LOW
Sample Type: AIR

Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m

Misc Info: 6.5"Hg-5.0psi

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	251413	-2.14
97 1,4-Difluorobenze	938602	563161	1314043	906449	-3.43
126 Chlorobenzene-d5	776637	465982	1087292	675533	-13.02

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 04Apr2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703617-01A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
Misc Info: 6.5"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.901	99.61	70-130
\$ 113 Toluene-d8	25.000	23.785	95.14	70-130
\$ 137 Bromofluorobenzene	25.000	23.172	92.69	70-130

Data File: /chem/msdt.i/04Apr2007.b/t040405.d

Date : 04-Apr-2007 12:11

Client ID:

Sample Info: 200ML#5707

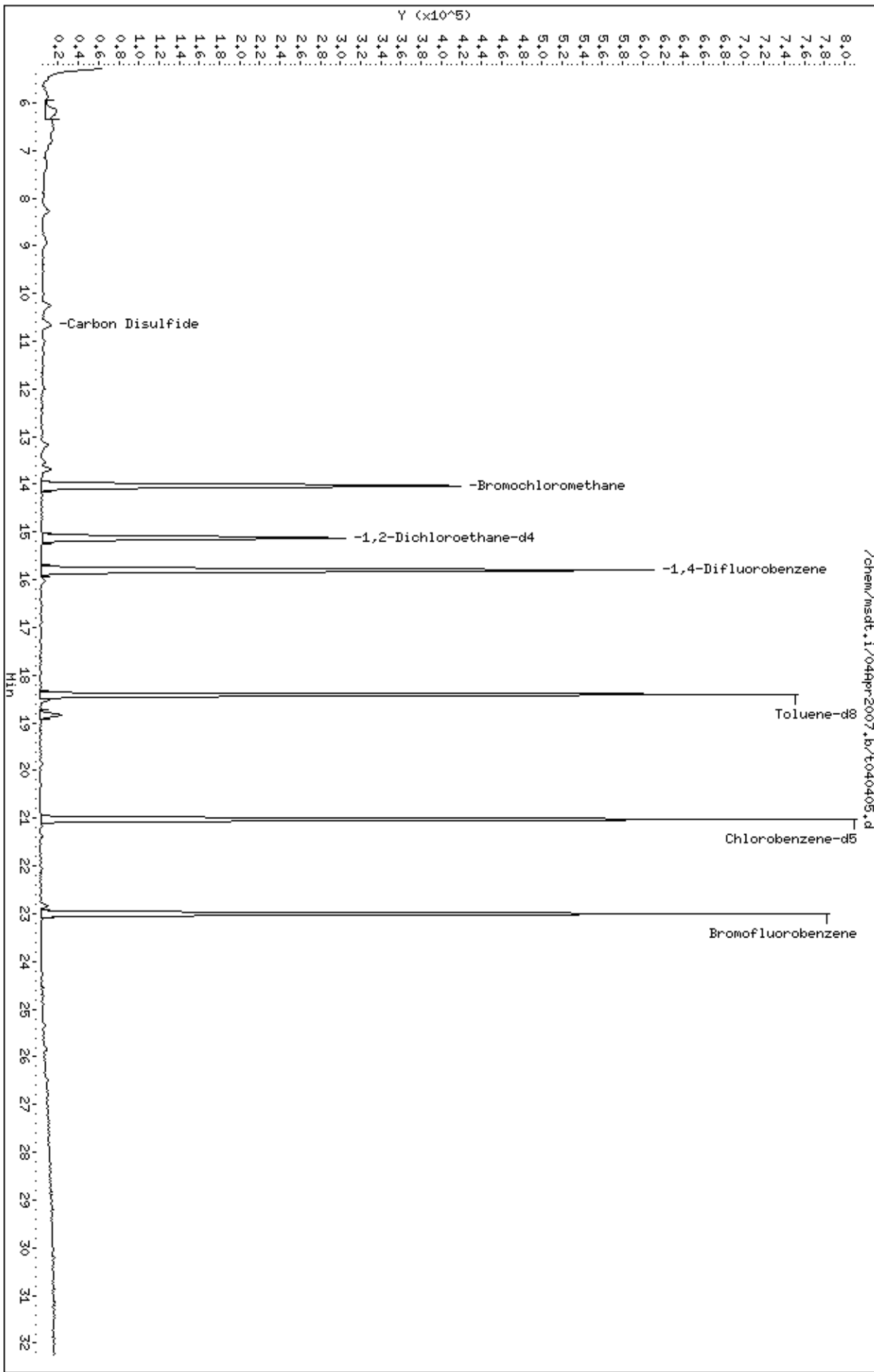
Column phase: RTX-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

Page 1



Date : 04-APR-2007 12:11

Client ID:

Instrument: msdt.i

Sample Info: 200mL#3707

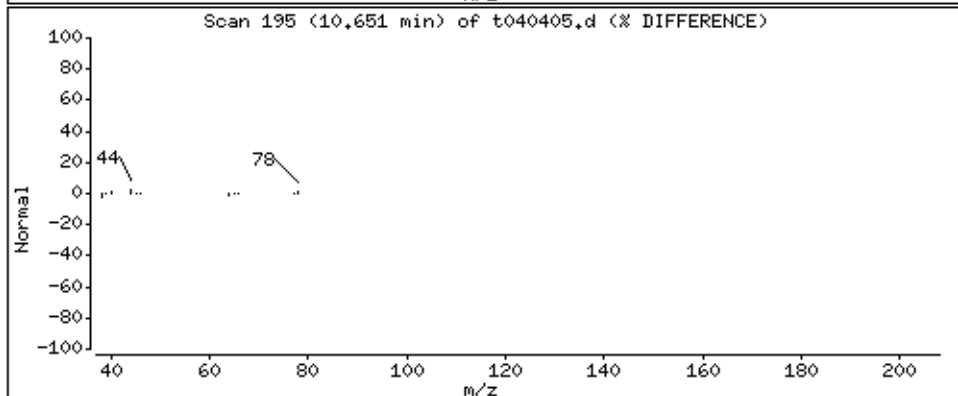
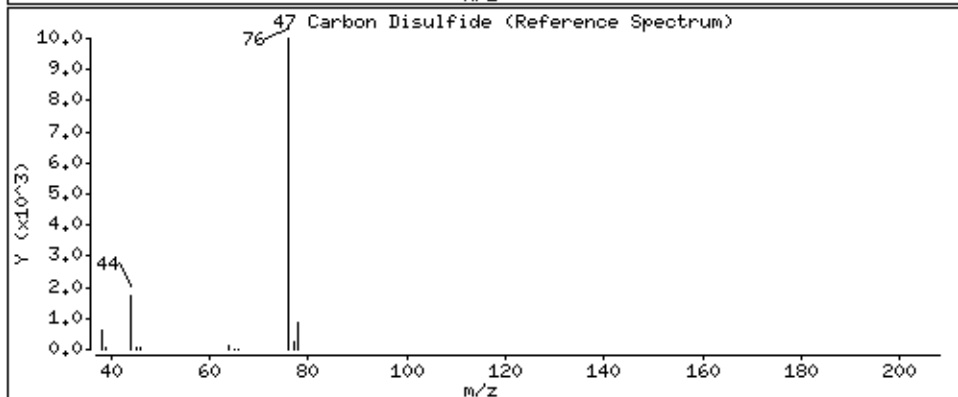
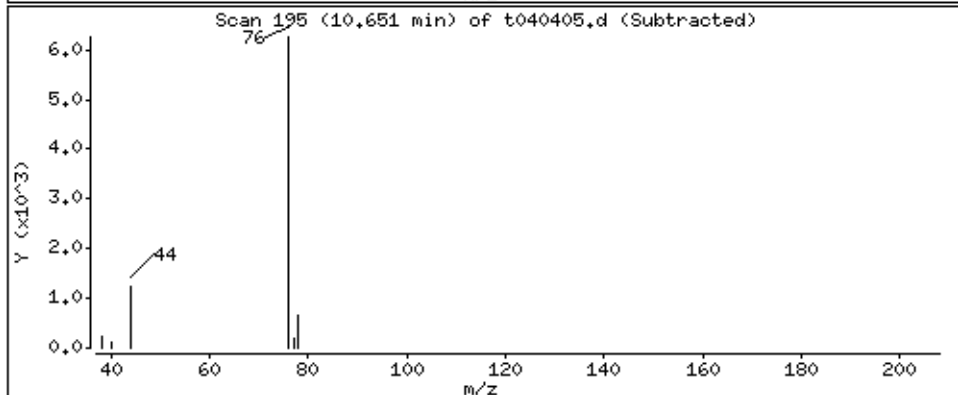
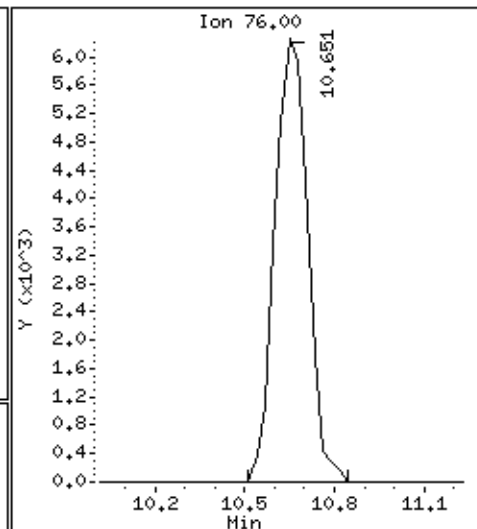
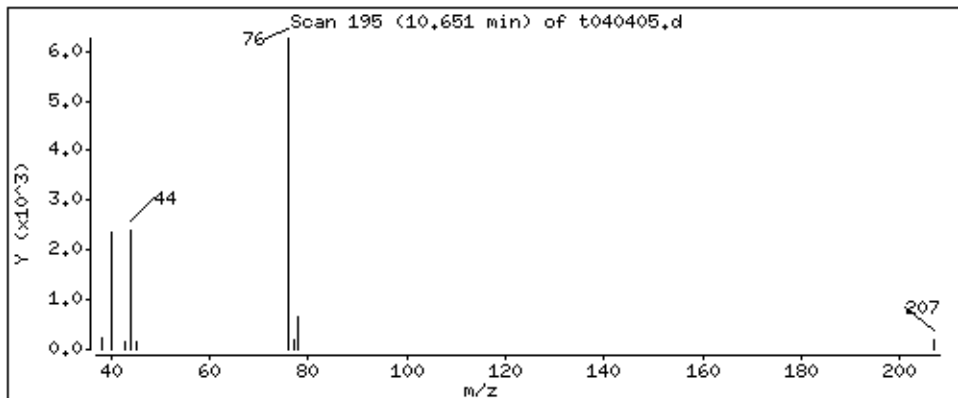
Operator: cb

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 1,280 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 4 UW Duplicate

Lab ID#: 0703617-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.86	1.3	2.7	4.1



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 4 UW Duplicate

Lab ID#: 0703617-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040406	Date of Collection:	3/22/07
Dil. Factor:	1.71	Date of Analysis:	4/4/07 01:05 PM

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 4 UW Duplicate

Lab ID#: 0703617-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040406	Date of Collection:	3/22/07
Dil. Factor:	1.71	Date of Analysis:	4/4/07 01:05 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.86	Not Detected	3.5	Not Detected
Bromodichloromethane	0.86	Not Detected	5.7	Not Detected
Dibromochloromethane	0.86	Not Detected	7.3	Not Detected
Cumene	0.86	Not Detected	4.2	Not Detected
Propylbenzene	0.86	Not Detected	4.2	Not Detected
Chloromethane	3.4	Not Detected	7.1	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	Not Detected	8.1	Not Detected
Carbon Disulfide	0.86	1.3	2.7	4.1
2-Propanol	3.4	Not Detected	8.4	Not Detected
trans-1,2-Dichloroethene	0.86	Not Detected	3.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.86	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.86	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.86	Not Detected	3.5	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.86	Not Detected	8.8	Not Detected
4-Ethyltoluene	0.86	Not Detected	4.2	Not Detected
Ethanol	3.4	Not Detected	6.4	Not Detected
Methyl tert-butyl ether	0.86	Not Detected	3.1	Not Detected
3-Chloropropene	3.4	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.86	Not Detected	4.0	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	93	70-130

Report Date: 06-Apr-2007 14:45

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040406.d
 Lab Smp Id: 0703617-01AA
 Inj Date : 04-APR-2007 13:05
 Operator : cb Inst ID: msdt.i
 Smp Info : 200mL#3707
 Misc Info : 6.5"Hg-5.0psi
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 10:42 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.d
 Als bottle: 1
 Dil Factor: 1.71000
 Integrator: HP RTE Compound Sublist: AT04.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

CONCENTRATIONS									
		ON-COL		FINAL		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====		=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.051	14.024 (1.000)	130	250041	25.0000		80.00-	120.00	100.00	
14.051	14.024 (1.000)	128	193699			26.53-	126.53	77.47	
14.051	14.024 (1.000)	49	594783			299.24-	399.24	237.87	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.793	15.794 (1.000)	114	899898	25.0000		80.00-	120.00	100.00	
15.793	15.794 (1.000)	88	166547			0.00-	68.09	18.51	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019 (1.000)	117	678589	25.0000		80.00-	120.00	100.00	
21.019	21.019 (1.000)	82	437602			14.12-	114.12	64.49	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.130	15.102 (1.077)	65	497510	24.9188	24.919	80.00-	120.00	100.00	
15.130	15.102 (1.077)	67	234884			2.09-	102.09	47.21	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420 (1.166)	98	867111	23.6231	23.623	80.00-	120.00	100.00	
18.420	18.420 (1.166)	70	111994			0.00-	63.13	12.92	

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
== =====

\$ 113 Toluene-d8 (continued)

18.420 18.420 (1.166) 100 619344 21.11- 121.11 71.43

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.010 23.010 (1.095) 174 287448 23.1805 23.180 80.00- 120.00 100.00

23.010 23.010 (1.095) 95 476728 110.92- 210.92 165.85

23.010 23.010 (1.095) 176 275038 45.58- 145.58 95.68

47 Carbon Disulfide

CAS #: 75-15-0

10.678 10.623 (0.760) 76 48729 0.76252 1.304 80.00- 120.00 100.00

Report Date: 06-Apr-2007 14:45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 04-APR-2007

Lab File ID: t040406.d

Calibration Time: 09:04

Lab Smp Id: 0703617-01AA

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m

Misc Info: 6.5"Hg-5.0psi

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	250041	-2.67
97 1,4-Difluorobenze	938602	563161	1314043	899898	-4.12
126 Chlorobenzene-d5	776637	465982	1087292	678589	-12.62

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 04Apr2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703617-01AA
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
Misc Info: 6.5"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.919	99.68	70-130
\$ 113 Toluene-d8	25.000	23.623	94.49	70-130
\$ 137 Bromofluorobenzene	25.000	23.180	92.72	70-130

Data File: /chem/msdt.i/04Apr2007.b/t040406.d

Date: 04-Apr-2007 13:05

Client ID:

Sample Info: 200ML#3707

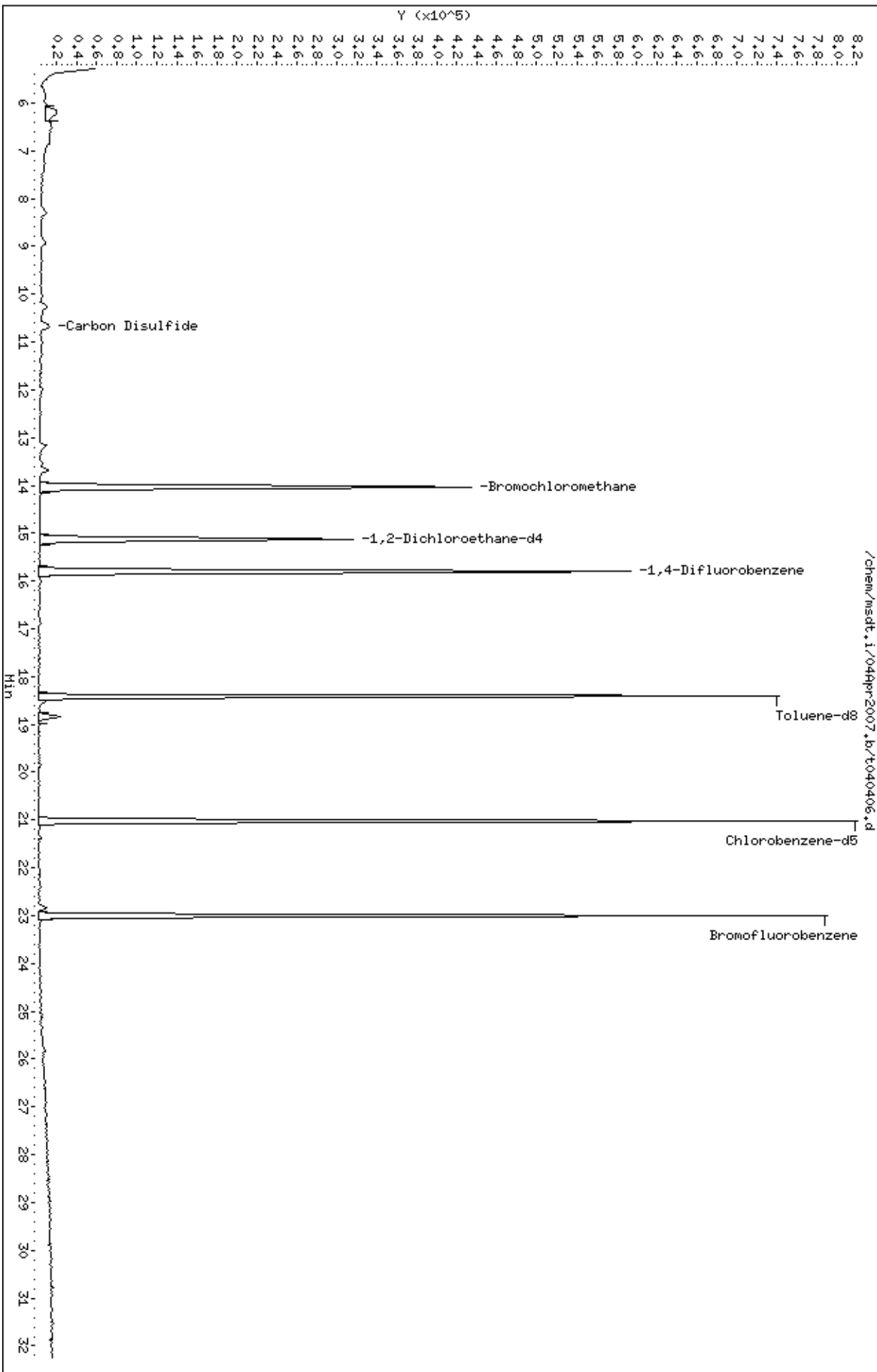
Column phase: RTX-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

Page 1



Date : 04-APR-2007 13:05

Client ID:

Instrument: msdt.i

Sample Info: 200mL#3707

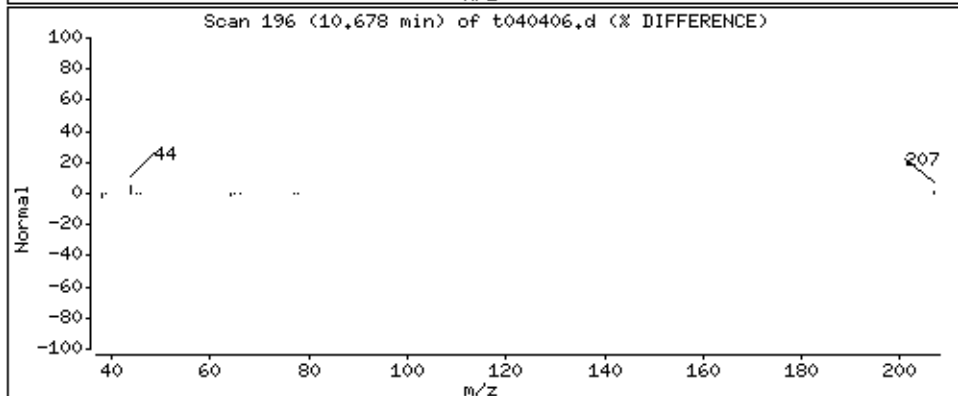
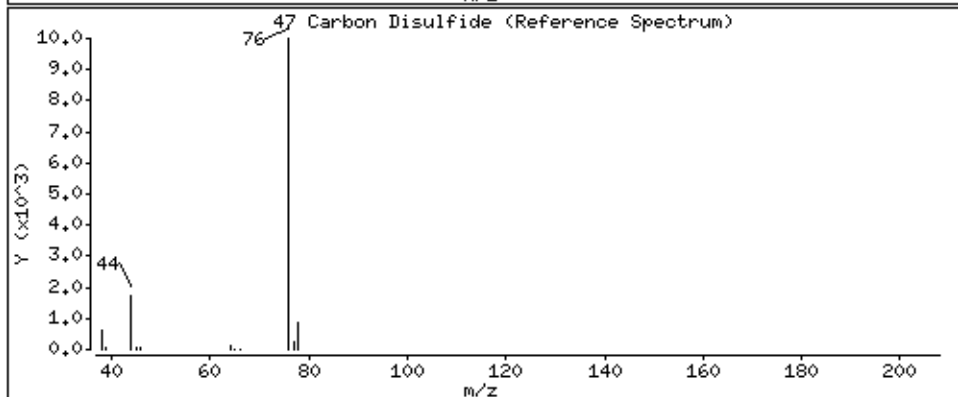
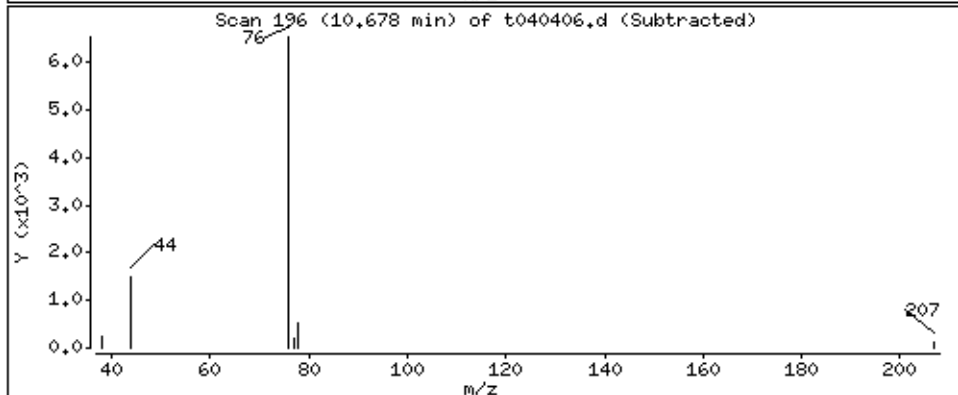
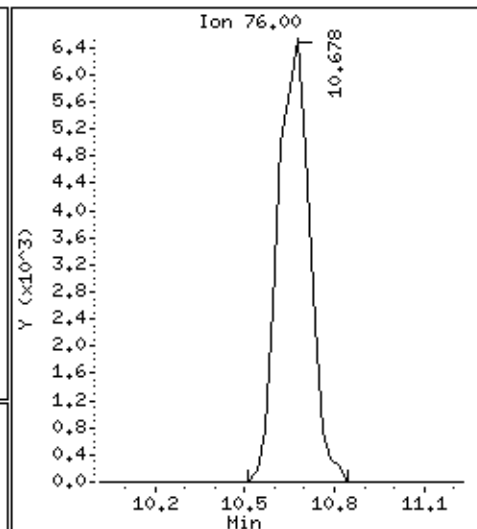
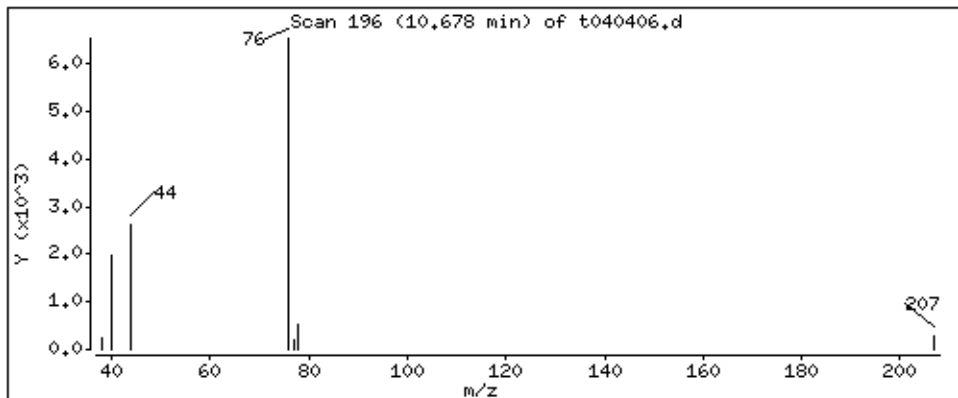
Operator: cb

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 1,304 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: AMS 2 DW

Lab ID#: 0703617-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Carbon Disulfide	0.84	2.3	2.6	7.2



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 2 DW

Lab ID#: 0703617-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040407	Date of Collection:	3/22/07
Dil. Factor:	1.68	Date of Analysis:	4/4/07 01:58 PM

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMS 2 DW

Lab ID#: 0703617-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040407	Date of Collection:	3/22/07
Dil. Factor:	1.68	Date of Analysis:	4/4/07 01:58 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.84	Not Detected	3.4	Not Detected
Bromodichloromethane	0.84	Not Detected	5.6	Not Detected
Dibromochloromethane	0.84	Not Detected	7.2	Not Detected
Cumene	0.84	Not Detected	4.1	Not Detected
Propylbenzene	0.84	Not Detected	4.1	Not Detected
Chloromethane	3.4	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	3.4	Not Detected	25	Not Detected
Hexachlorobutadiene	3.4	Not Detected	36	Not Detected
Acetone	3.4	Not Detected	8.0	Not Detected
Carbon Disulfide	0.84	2.3	2.6	7.2
2-Propanol	3.4	Not Detected	8.2	Not Detected
trans-1,2-Dichloroethene	0.84	Not Detected	3.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
1,4-Dioxane	3.4	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.84	Not Detected	3.4	Not Detected
2-Hexanone	3.4	Not Detected	14	Not Detected
Bromoform	0.84	Not Detected	8.7	Not Detected
4-Ethyltoluene	0.84	Not Detected	4.1	Not Detected
Ethanol	3.4	Not Detected	6.3	Not Detected
Methyl tert-butyl ether	0.84	Not Detected	3.0	Not Detected
3-Chloropropene	3.4	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Naphthalene	3.4	Not Detected	18	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	94	70-130

Report Date: 06-Apr-2007 14:46

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040407.d
 Lab Smp Id: 0703617-02A
 Inj Date : 04-APR-2007 13:58
 Operator : cb Inst ID: msdt.i
 Smp Info : 200mL#31141
 Misc Info : 6.0"Hg-5.0psi
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 10:42 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.d
 Als bottle: 1
 Dil Factor: 1.68000
 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		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.052	14.024 (1.000)	130	244048	25.0000		80.00-	120.00	100.00	
14.052	14.024 (1.000)	128	194162			26.53-	126.53	79.56	
14.024	14.024 (1.000)	49	584581			299.24-	399.24	239.53	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794 (1.000)	114	883867	25.0000		80.00-	120.00	100.00	
15.794	15.794 (1.000)	88	163122			0.00-	68.09	18.46	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019 (1.000)	117	679829	25.0000		80.00-	120.00	100.00	
21.019	21.019 (1.000)	82	441881			14.12-	114.12	65.00	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.102	15.102 (1.075)	65	492409	25.2689	25.269	80.00-	120.00	100.00	
15.130	15.102 (1.077)	67	233549			2.09-	102.09	47.43	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420 (1.166)	98	867632	24.0660	24.066	80.00-	120.00	100.00	
18.420	18.420 (1.166)	70	115005			0.00-	63.13	13.26	

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
== =====

\$ 113 Toluene-d8 (continued)

18.420 18.420 (1.166) 100 617763 21.11- 121.11 71.20

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.010 23.010 (1.095) 174 291886 23.4955 23.495 80.00- 120.00 100.00

23.010 23.010 (1.095) 95 488563 110.92- 210.92 167.38

23.010 23.010 (1.095) 176 280118 45.58- 145.58 95.97

47 Carbon Disulfide

CAS #: 75-15-0

10.651 10.623 (0.758) 76 85413 1.36938 2.300 80.00- 120.00 100.00

Report Date: 06-Apr-2007 14:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARYInstrument ID: msdt.i
Lab File ID: t040407.d
Lab Smp Id: 0703617-02ACalibration Date: 04-APR-2007
Calibration Time: 09:04

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m

Misc Info: 6.0"Hg-5.0psi

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	244048	-5.01
97 1,4-Difluorobenze	938602	563161	1314043	883867	-5.83
126 Chlorobenzene-d5	776637	465982	1087292	679829	-12.47

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 04Apr2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0703617-02A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
Misc Info: 6.0"Hg-5.0psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	25.269	101.08	70-130
\$ 113 Toluene-d8	25.000	24.066	96.26	70-130
\$ 137 Bromofluorobenzene	25.000	23.495	93.98	70-130

Data File: /chem/msdt.i/04Apr2007.b/t040407.d

Date : 04-Apr-2007 13:58

Client ID:

Sample Info: 200ML#31141

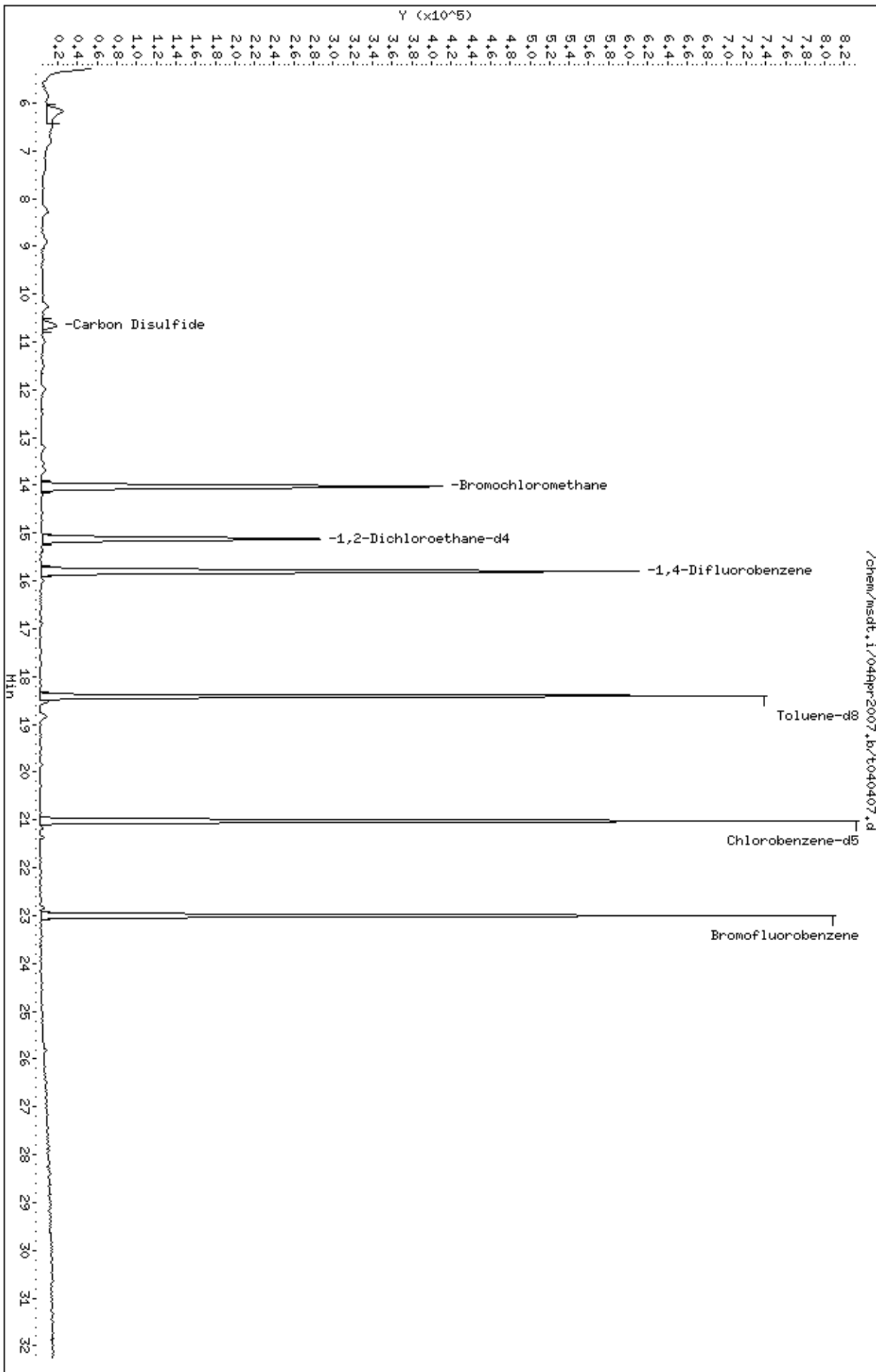
Column phase: RTX-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

Page 1



Date : 04-APR-2007 13:58

Client ID:

Instrument: msdt.i

Sample Info: 200mL#31141

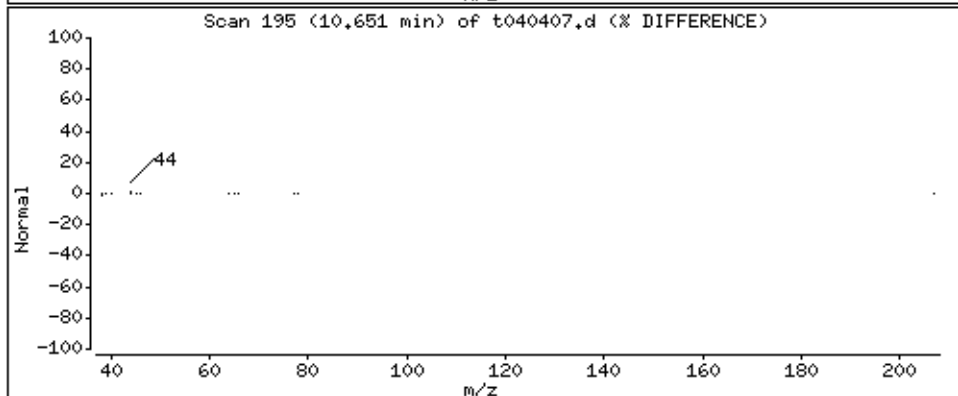
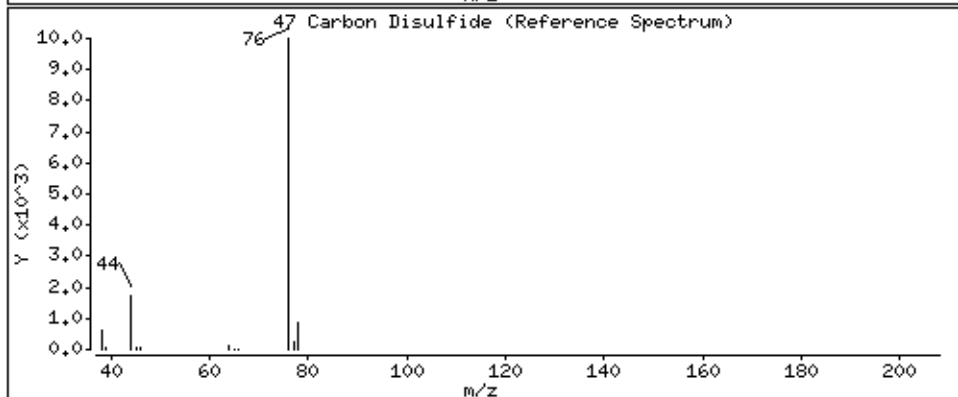
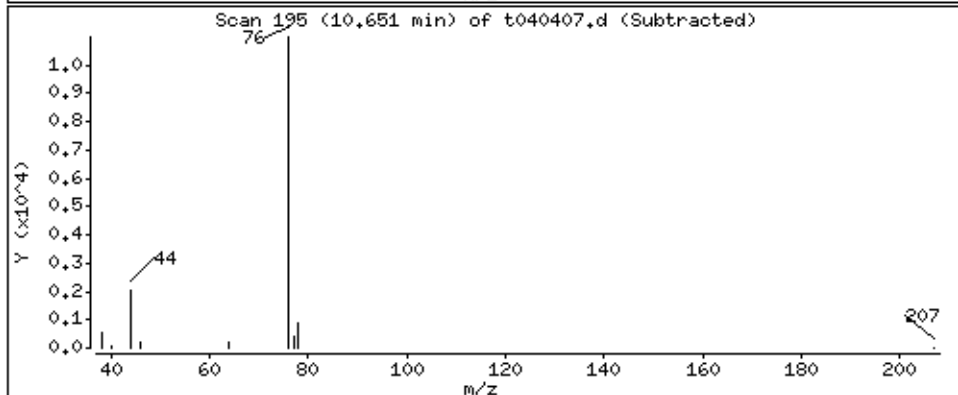
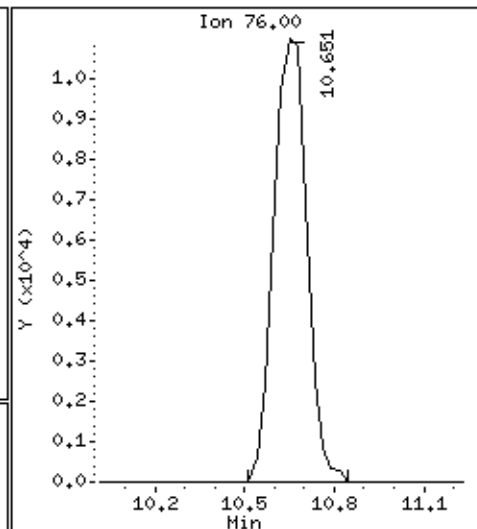
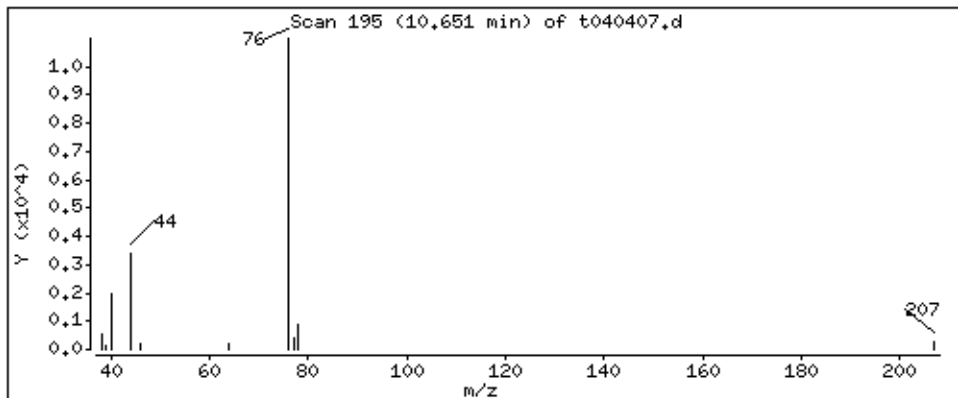
Operator: cb

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide

Concentration: 2,300 PPBV



QC Results and Raw Data



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0703617-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 11:19 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#: 0703617-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040404	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 11:19 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	94	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	91	70-130

Report Date: 04-Apr-2007 11:46

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040404.d
 Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
 Inj Date : 04-APR-2007 11:19
 Operator : lo Inst ID: msdt.i
 Smp Info : 200mL#31437
 Misc Info : Humid
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 10:42 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.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									
RT	EXP RT	(REL RT)	MASS	RESPONSE		TARGET RANGE	RATIO		
				(PPBV)	(PPBV)			ON-COL	FINAL
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.052	14.024	(1.000)	130	258352	25.0000	80.00- 120.00	100.00		
14.052	14.024	(1.000)	128	197815		26.53- 126.53	76.57		
14.052	14.024	(1.000)	49	612458		299.24- 399.24	237.06		

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794	(1.000)	114	933012	25.0000	80.00- 120.00	100.00		
15.794	15.794	(1.000)	88	169664		0.00- 68.09	18.18		

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019	(1.000)	117	692320	25.0000	80.00- 120.00	100.00		
21.019	21.019	(1.000)	82	443235		14.12- 114.12	64.02		

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.130	15.102	(1.077)	65	505203	24.4901	24.490 80.00- 120.00	100.00		
15.130	15.102	(1.077)	67	237888		2.09- 102.09	47.09		

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420	(1.166)	98	897235	23.5762	23.576 80.00- 120.00	100.00		
18.420	18.420	(1.166)	70	114832		0.00- 63.13	12.80		

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (PPBV) TARGET RANGE RATIO
== =====

\$ 113 Toluene-d8 (continued)

18.420 18.420 (1.166) 100 629417 21.11- 121.11 70.15

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.010 23.010 (1.095) 174 289235 22.8620 22.862 80.00- 120.00 100.00

23.010 23.010 (1.095) 95 474180 110.92- 210.92 163.94

23.010 23.010 (1.095) 176 285863 45.58- 145.58 98.83

Report Date: 04-Apr-2007 11:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
 Lab File ID: t040404.d
 Lab Smp Id: Lab Blank
 Analysis Type: VOA
 Quant Type: ISTD
 Operator: lo
 Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
 Misc Info: Humid

Calibration Date: 04-APR-2007
 Calibration Time: 09:04
 Client Smp ID: Lab Blank
 Level: LOW
 Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	258352	0.56
97 1,4-Difluorobenze	938602	563161	1314043	933012	-0.60
126 Chlorobenzene-d5	776637	465982	1087292	692320	-10.86

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 04Apr2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: lo
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.490	97.96	70-130
\$ 113 Toluene-d8	25.000	23.576	94.30	70-130
\$ 137 Bromofluorobenzene	25.000	22.862	91.45	70-130

Data File: /chem/msdt.i/04Apr2007.b/t040404.d

Date: 04-Apr-2007 11:19

Client ID: Lab Blank

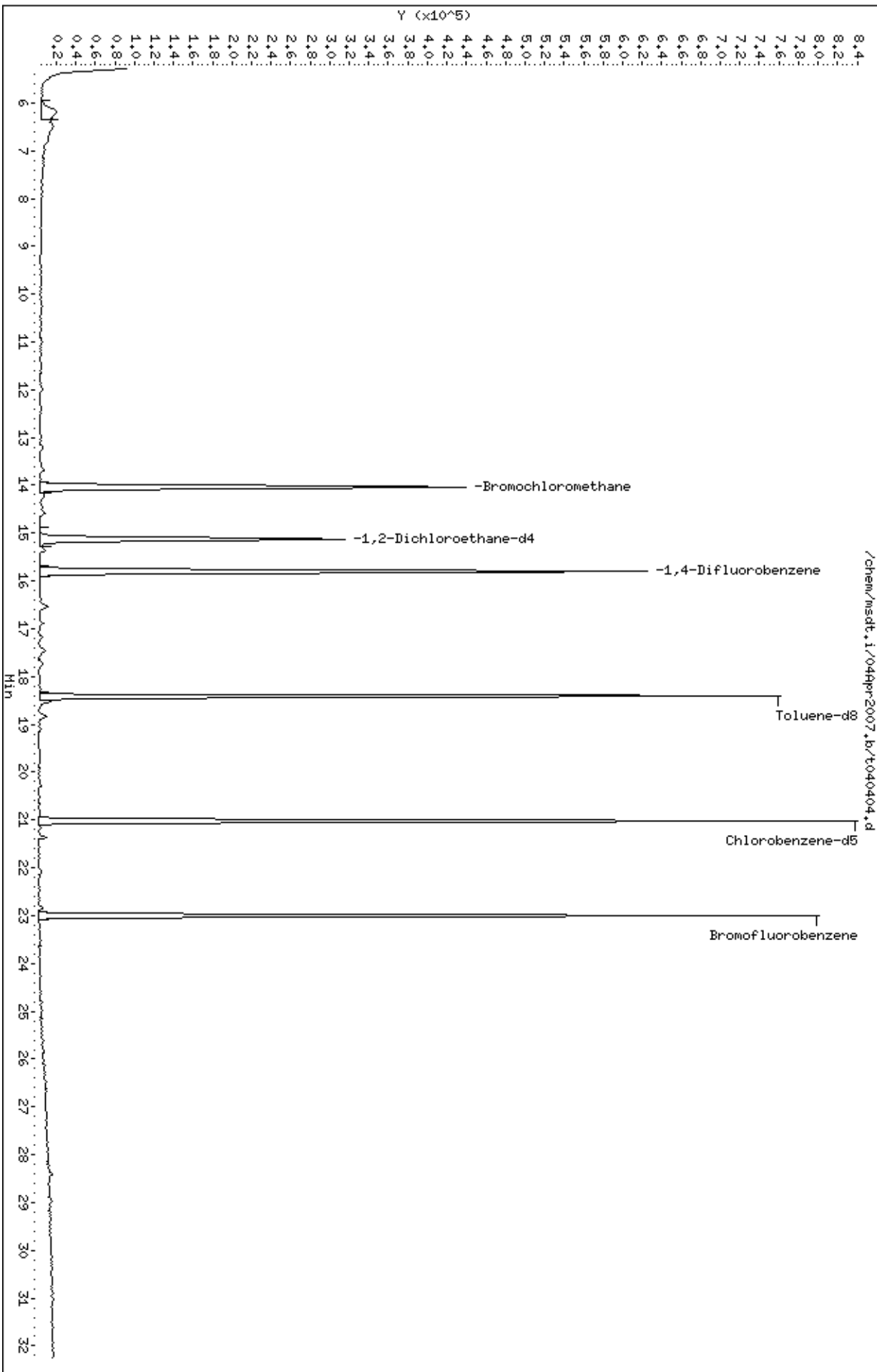
Sample Info: 200mL#31437

Column phase: RTX-624

Instrument: msdt.i

Operator: lo

Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 0703617

CLIENT SAMPLE NO.	SURROGATE % RECOVERY							TOTAL OUT	
	1,2-Dichloroethane-d 4	#	Toluene-d8	#	4-Bromofluorobenze ne	#			#
01	AMS 4 UW	100		95		93			0
02	AMS 4 UW Duplicate	100		94		93			0
03	AMS 2 DW	101		96		94			0
04	Lab Blank	98		94		91			0
05	CCV	102		101		102			0
06	LCS	98		98		99			0
07									0
08									0
09									0
10									0
11									0
12									0
13									0
14									0
15									0
16									0
17									0
18									0
19									0
20									0
21									0
22									0
23									0
24									0

Surrogate Recovery Limits

1,2-Dichloroethane-d4 70 - 130

Toluene-d8 70 - 130

4-Bromofluorobenzene 70 - 130

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
 Lab File ID: t040402.d
 Instrument ID: msdt.i

SDG No: 0703617
 Date Analyzed: 04/04/2007
 Time Analyzed: 09:04 AM

	Chlorobenzene-d5		RT		1,4-Difluorobenzene		RT		Bromochloromethane		RT	
	Area	#		#	Area	#		#	Area	#		#
24-HOUR STD	776637		21.02		938602		15.79		256909		14.02	
UPPER LIMIT	1087292		21.35		1314043		16.12		359673		14.35	
LOWER LIMIT	465982		20.69		563161		15.46		154145		13.69	
CLIENT SAMPLE NO												
01 AMS 4 UW	675533		21.02		906449		15.79		251413		14.05	
02 AMS 4 UW Duplicate	678589		21.02		899898		15.79		250041		14.05	
03 AMS 2 DW	679829		21.02		883867		15.79		244048		14.05	
04 Lab Blank	692320		21.02		933012		15.79		258352		14.05	
05 CCV	776637		21.02		938602		15.79		256909		14.02	
06 LCS	767591		21.02		974254		15.79		275151		14.02	
07												
08												
09												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												

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

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

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
 Lab Sample ID: 01A & 01AA
 Client Sample ID: &

Lab File ID: t040406.d & t040405.d
 Dilution: 1.71 & 1.71
 Date Analyzed: 4/4/07 & 4/4/07

CAS Number	Compound	Original		Duplicate		RPD
		Amount	Flags	Amount	Flags	
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	U	ND	U	0
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	ND	U	ND	U	0
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	1.28		1.304		1.8
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	ND	U	ND	U	0
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.
 Lab Sample ID: 01A & 01AA
 Client Sample ID: &

Lab File ID: t040406.d & t040405.d
 Dilution: 1.71 & 1.71
 Date Analyzed: 4/4/07 & 4/4/07

CAS Number	Compound	Original		Duplicate		RPD
		Amount	Flags	Amount	Flags	
142-82-5	Heptane	ND	U	ND	U	0
87-68-3	Hexachlorobutadiene	ND	U	ND	U	0
110-54-3	Hexane	ND	U	ND	U	0
108-38-3	m,p-Xylene	ND	U	ND	U	0
1634-04-4	Methyl tert-butyl ether	ND	U	ND	U	0
75-09-2	Methylene Chloride	ND	U	ND	U	0
91-20-3	Naphthalene	ND	U	ND	U	0
95-47-6	o-Xylene	ND	U	ND	U	0
103-65-1	Propylbenzene	ND	U	ND	U	0
100-42-5	Styrene	ND	U	ND	U	0
127-18-4	Tetrachloroethene	ND	U	ND	U	0
109-99-9	Tetrahydrofuran	ND	U	ND	U	0
108-88-3	Toluene	ND	U	ND	U	0
156-60-5	trans-1,2-Dichloroethene	ND	U	ND	U	0
10061-02-6	trans-1,3-Dichloropropene	ND	U	ND	U	0
79-01-6	Trichloroethene	ND	U	ND	U	0
75-01-4	Vinyl Chloride	ND	U	ND	U	0

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
13 Freon 134a	+++++	+++++	2.09233	+++++	2.26296	+++++		2.05352	11.263
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
11 Propylene	+++++	+++++	1.72145	1.97476	1.79644	1.68002		1.74308	9.121
15 Freon 152a	+++++	+++++	1.98703	+++++	1.42415	+++++		1.50202	30.035
12 Dichlorodifluoromethane/Fr12	+++++	4.92532	4.44738	5.58837	5.06004	4.75442		4.88517	8.478
17 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000		
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	% RSD
	200.000							
	Level 7							
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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	200.000							
	Level 7							
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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000	---	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000	—	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	RRF	
	200.000							
	Level 7							
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
23 Methyl acetate	+++++	+++++	5.47335	+++++	5.30801	5.40301	5.39479	1.538
51 3-Chloropropene	+++++	+++++	0.90839	1.11092	1.05873	1.02041	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	3.30095	9.215
57 tert-Butyl-Alcohol	+++++	+++++	4.60764	+++++	5.94509	+++++	5.34026	12.693

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
68 Isopropyl ether	200.000 10.21637	+++++	9.55771	+++++	10.82357	+++++		10.19921	6.207
69 Vinyl Acetate	0.49752	+++++	0.39739	0.54327	0.51594	0.51622		0.49407	11.426
70 1,1-Dichloroethane	4.65749	4.62136	4.61304	5.36141	5.00662	4.82029		4.84670	6.067
71 1-Propanol	0.68999	+++++	0.59749	+++++	0.68353	+++++		0.65700	7.860
24 Chloroprene	+++++	+++++	5.69325	+++++	5.74957	5.85178		5.76487	1.394
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
73 t-Butylethyl Ether	8.84447	+++++	6.78439	+++++	8.94528	+++++		8.19138	14.888
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
77 Ethyl Acetate	1.05579	+++++	0.94831	+++++	1.07386	+++++		1.02599	6.616
78 2,2-Dichloropropane	+++++	+++++	3.50884	+++++	3.38551	3.33425		3.40953	2.632

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
75 2-Butanone	200.000 0.95754	0.88026	0.94427	1.08912	1.03333	0.98213		0.98111	7.417
76 cis-1,2-Dichloroethene	3.38302	3.58991	3.16041	3.86507	3.63554	3.47753		3.51858	6.811
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
80 Tetrahydrofuran	2.89662	3.27542	2.71888	3.23247	3.07314	2.97251		3.02817	6.942
82 Chloroform	3.93006	4.99925	4.26629	3.58212	4.44723	4.16144	4.04311	4.20421	10.570
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
83 1,1,1-Trichloroethane	3.41819	3.63439	3.32190	3.99078	3.67015	3.55786		3.59888	6.469
85 Cyclohexane	2.21754	2.45720	2.18217	2.67510	2.43538	2.32327		2.38178	7.623
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
88 1,1-Dichloropropene	+++++	+++++	0.22530	+++++	0.22529	0.22455		0.22505	0.192

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
87 Carbon Tetrachloride	200.000 3.10490	2.96502	2.69739	3.48194	3.30142	3.20564		3.12605	8.747
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
89 2,2,4-Trimethylpentane	11.19015 10.52588	10.15980	12.18667	11.30456	10.91393		11.04683	6.352	
91 Benzene	1.75344 1.34926	1.57031	1.32985	1.55569	1.44567	1.41775		1.48885	9.992
92 tert-amyl-Methyl Ether	4.57396	3.50483	4.69138	4.25673	15.359				
96 2-Heptanone	4.02687	2.32826	3.93688	3.43067	27.860				
93 1,2-Dichloroethane	0.81965	0.84331	0.74984	0.92068	0.86600	0.85217		0.84194	6.690
94 Heptane	0.42257	0.39965	0.39488	0.49245	0.45435	0.44183		0.43429	8.449
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
98 1-Butanol	0.57435	0.32490	0.56342	0.48756	28.914				

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
101 Trichloroethene	+++++	0.57803	0.49020	0.60632	0.55757	0.54775		0.54941	7.597
102 Methyl Cyclohexane	+++++	2.80368	2.43543	3.00898	2.77676	2.66846		2.71329	7.277
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
104 1,2-Dichloropropane	+++++	0.67263	0.55587	0.66191	0.60988	0.59592		0.61162	7.690
106 1,4-Dioxane	+++++	+++++	0.32295	0.35050	0.33647	0.33038		0.33235	3.552
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
107 Bromodichloromethane	+++++	1.08547	0.80276	1.09168	1.02391	1.01209		0.99876	10.583
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
110 cis-1,3-Dichloropropene	0.73760	0.79894	0.64919	0.81748	0.77577	0.76431		0.75721	7.885
111 4-Methyl-2-pentanone	0.55675	0.49781	0.49243	0.62362	0.58245	0.57559		0.55478	9.217
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
114 Toluene	1.34162	1.57491	1.26107	1.55549	1.42831	1.39960		1.42683	8.524
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
116 trans-1,3-Dichloropropene	0.95248	1.09428	0.83112	1.03099	1.02841	1.00394		0.99020	9.131
117 1,1,2-Trichloroethane	0.57297	0.74454	0.57419	0.66200	0.63570	0.61313		0.63375	10.164
120 Tetrachloroethene	0.65042	0.93132	0.69344	0.76212	0.72603	0.69992		0.74388	13.307
121 2-Hexanone	0.94143	+++++	0.73713	1.02357	1.00481	0.99055		0.93950	12.470

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
118 1,3-Dichloropropane	+++++	+++++	0.69752	+++++	0.71045	0.68971		0.69923	1.498
119 Butyl Acetate	+++++	+++++	0.52931	+++++	0.79405	+++++		0.69026	20.474
122 Dibromochloromethane	+++++	1.06216	0.79897	1.02725	1.01648	0.98810		0.96967	9.841
123 1,2-Dibromoethane	+++++	1.21138	0.92724	1.07590	1.05075	1.01263		1.03719	9.942
127 Chlorobenzene	+++++	1.61866	1.22590	1.36969	1.33115	1.26913		1.33559	11.424
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
128 Ethyl Benzene	+++++	0.87170	0.64705	0.75569	0.71327	0.68951		0.72133	11.659
125 1,1,1,2-Tetrachloroethane	+++++	+++++	0.61199	+++++	0.57256	0.57261		0.58572	3.885
129 m,p-Xylene	+++++	1.14948	0.82486	0.96564	0.89693	0.86354		0.91970	13.577
130 o-Xylene	+++++	1.01300	0.69264	0.83610	0.76707	0.73339		0.78738	15.726

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
145 4-Ethyltoluene	+++++	2.60329	1.83484	2.05725	1.99001	1.93138		2.03706	14.377
141 2-Chlorotoluene	+++++	+++++	0.44453	+++++	0.42127	0.41547		0.42709	3.601
147 1,3,5-Trimethylbenzene	+++++	2.41289	1.60040	1.63419	1.59968	1.52652		1.70239	20.849
143 4-Chlorotoluene	+++++	+++++	0.38754	+++++	0.38398	0.38069		0.38407	0.892
146 Diisobutyl Ketone	+++++	+++++	1.65398	+++++	2.22209	+++++		1.97870	14.791
148 tert-Butylbenzene	+++++	+++++	1.49595	+++++	1.32496	1.30516		1.37536	7.627
150 1,2,4-Trimethylbenzene	+++++	2.13216	1.44851	1.43823	1.43948	1.38692		1.52746	19.654
201 Pentachloroethane	+++++	+++++	0.39361	+++++	0.39059	0.38904		0.39108	0.595
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 Curve Type : Average

Compound	0.20000	0.50000	2.000	25.000	50.000	100.000	RRF	% RSD
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		
	200.000							
	Level 7							
149 sec-Butylbenzene	+++++	+++++	1.92733	+++++	1.76172	1.73015		
	+++++						1.80640	5.863
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
153 p-Cymene	+++++	+++++	1.55960	+++++	1.36982	1.35368		
	+++++						1.42770	8.021
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	+++++	+++++	0.53903	+++++	0.44736	0.44183		
	+++++						0.47607	11.467
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	+++++	+++++	0.37584	+++++	0.30424	0.30530		
	+++++						0.32846	12.493
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
161 1,2-Dichlorobenzene	+++++ 0.69615	1.11755	0.73343	0.70200	0.72909	0.71399		0.78204	21.101
203 Hexachloroethane	+++++ +++++	+++++	0.57190	+++++	0.53542	0.52339		0.54357	4.647
162 1,2-Dibromo-3-Chloropropane	+++++ +++++	+++++	0.28830	+++++	0.27057	0.28330		0.28072	3.256
163 Aniline	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
164 Isooctyl Alcohol	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
165 1,2,4-Trichlorobenzene	+++++ 0.34448	+++++	0.31505	0.30565	0.32645	0.33786		0.32590	4.891
166 Hexachlorobutadiene	+++++ 0.28630	+++++	0.28549	0.26691	0.28779	0.28764		0.28283	3.164
167 Naphthalene	+++++ 0.73243	+++++	0.58252	0.67401	0.70277	0.72410		0.68317	8.874
202 1,2,3-Trichlorobenzene	+++++ +++++	+++++	0.41743	+++++	0.32487	0.31426		0.35219	16.113
168 Quinoline	+++++ +++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-MAR-2007 16:57
 End Cal Date : 26-MAR-2007 12:55
 Quant Method : ISTD
 Origin : Disabled
 Target Version : 3.50
 Integrator : HP RTE
 Method file : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Cal Date : 26-Mar-2007 13:38 lrandolp
 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	Level 7	RRF	% RSD
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		+++++	+++++
\$ 90 1,2-Dichloroethane-d4	1.90386 2.13984	1.95548	1.97132	1.93925	2.01719	2.04645		1.99620	3.968
\$ 113 Toluene-d8	1.01208 1.03818	1.01628	0.99635	1.01749	1.01587	1.04186		1.01973	1.534
\$ 137 Bromofluorobenzene	0.45752 0.45487	0.44122	0.44935	0.46198	0.46113	0.47186		0.45685	2.142

Calibration History

Method : /chem/msdt.i/26Mar2007.b/t14q306c.m
Start Cal Date: 06-MAR-2007 16:57
End Cal Date : 26-MAR-2007 12:55

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		
26-MAR-2007 11:02	sp19c	/chem/msdt.i/26Mar2007.b/t032604.d
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		
26-MAR-2007 12:00	sp19c	/chem/msdt.i/26Mar2007.b/t032605.d
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		
26-MAR-2007 12:55	sp19c	/chem/msdt.i/26Mar2007.b/t032606.d
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		
26-MAR-2007 12:00	sp19cCCV	/chem/msdt.i/26Mar2007.b/t032605a.d
Ccal Level: 5 , Ccal Amount: 50.000		
26-MAR-2007 12:00	sp19c	/chem/msdt.i/26Mar2007.b/t032605.d
Ccal Level: 5 , Ccal Amount: 50.000		
26-MAR-2007 08:34	AT04ENSR	/chem/msdt.i/26Mar2007.b/t032602.d

ION ABUNDANCE CRITERIA

m/z	REL. ABUNDANCE	% 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

BFB Injection Date: 3/16/17
 BFB Injection Time: 15:32
 BFB File ID: 7030601
 Tekmar Purge Flow: 21.5 mL/min
 Vacuum: 3.4E-5
 IS/S Std #: 1982-10 Exp. Date: 5/20/17
 BCM 211515
 1,4-DFB 1003330
 CB-d5 203302
 Verified CCV IS vs ICAL mid-point (-40%¹D) 95
Initials

Verify 176/174 m/z Ratio: $\frac{403637/419665 \times 100}{96.18} = 41.8$

NOAH Cart #: 218 File #: 218

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \frac{\text{Conc}_{\text{std}}}{\text{RRF}} = \frac{(527525)}{(261515)} \times \frac{(25)}{(1.99620)} = 25.263$

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

Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
✓	T030601	BFB Inc Check 543300	50mg	3um	100	44	3/16/17	15:32	16:45		
✓	02	System Blank	18941	Humid	200ml	44		16:06	16:06		
✓	03	ICAL level 2 (sample)	115	0.2 ppbv	0.2ml	44		16:58	16:58		E14g 306a
X	04			0.5 ppbv	0.5ml	44		17:44	17:44		
✓	05			20 ppbv	2.0ml	44		18:29	18:29		
✓	06			25 ppbv	25ml	44		19:09	19:09		
✓	07			50 ppbv	50ml	44		20:30	20:30		
✓	08			100 ppbv	100ml	44		20:08	20:08		
✓	09			200 ppbv	200ml	44		21:09	21:09		

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: 10:23
 BFB File ID: 7030701
 Tekmar Purge Flow: 21.5 ml/min
 Vacuum: 318e-5
 IS/S Std #: 1487-110 Exp. Date: 5/20/07
 BCM: 362915
 1,4-DFB: 1000470
 CB-d5: 819942
 Verified CCV IS vs ICAL mid-point (-40%D) *[Signature]*

Verify 176/174 m/z Ratio: $\frac{385509}{397040} \times 100 = 96.11$

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{Std}}} \times \text{Conc.}_{\text{Std}} \times \text{RRF}$

$\frac{523749}{262915} \times (25) \times (1.99620) = 24.948$

File ID: 7030702
 Compound: 1,2-DCA-d4
 Initials: *[Signature]*

NOAH Cart #: NA File #: NA

Reported Result 24.948

Sl	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓ 7030701	BFB Time Check 943-2910	50mg	50ppbv	100	NA	3/7/07	10:23	10:23	NA/CT	
2	✓ 02	CV-1 (200ppbv)	107-115	50ppbv	50ml	1		10:52	10:52	NA/CT	
3	✓ 03	115-1 (200ppbv)	1408-386	50ppbv	50ml	1		11:44	11:44	NA/CT	TCAL LCS
4	✓ 04	Lab Blank	31437	Atmos	200ml	1		13:01	13:01	NA/CT	
5	— 05	0703056A-01A	9571	6"Hg 35psi	200ml	108	NA				
6											
7											
8											
9											

Signature: *[Signature]*

Date: 3/7/07

10	✓	T030610	Stem Bleed	81733	Humid	200mL	1.00	85	3/19/07	0736	MRCP
11	✓	11	ICHL Level 2	1487-115	0.5ppm	0.5mL	1	ppm	↓	0834	CTP
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Comments: NIST Flow Meter SN: 05E27601 Elbow Controller SN: AA98123220

Exp: 8/19/07

Actual: 22.1 mL/min

Nominal: 24.0 mL/min

3-7-07 CTP

Signature *C Taylor*

Date 3-7-07

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	(2.44) 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: $406658/422824 \times 100 = 96.18$

BFB Injection Date: 3/15/07
 BFB Injection Time: 0948
 BFB File ID: 7031501
 Tekmar Purge Flow:
 Vacuum:
 IS/S Std #: 1487-110 Exp. Date: 5/20/07
 BCM: 283498
 1,4-DFB: 1067807
 CB-d5: 874442
 Verified CCV IS vs ICAL mid-point (-40%^{AD})

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Areas}} \times \frac{\text{Conc.}_{\text{is}}}{\text{RRF}} = \frac{(609796)}{(282498)} \times \frac{(25)}{(1.99620)} = 27.034$
 Reported Result: 27.034

File ID: 7031505
 Compound: 1,2-DCM-24
 Initials:

Sl	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓ T031501	BFB Tur Check	443-2910	50.0g	2uL	1.00		3/15/07	0948		
2	✓ 02	ICAL (200pbv) Lvl 3	1443-13	2ppbv	2mL				1205		
3	✓ 03			5ppbv	50mL				1247		
4	✓ 04			200pbv	200mL				1328		
5	✓ 05	CV-1 (200pbv)	442-115	50ppbv	50mL				1428		
6	✓ 06	1/5-1 (200pbv)	442-326						1607		
7	✓ 07	Lab Blank	314317	Humid	250uL				14217		
8	✓ 08	0703276-01A	18Buy	Tellur	2uL	200			1826		
9	✓ 09				5uL	40			1495		

SP17bcr

Signature:

Date: 3-15-07

ION ABUNDANCE CRITERIA % REL. ABUNDANCE

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 - 40.0% of mass 95	29.86
75	30.0 - 60.0% of mass 95	50.54
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.30
173	Less than 2.0% of mass 174	(0.85) ¹
174	Greater than 50.0% of mass 95	(60.34)
175	5.0 - 9.0% of mass 174	(7.36) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(97.26) ¹
177	5.0 - 9.0% of mass 176	(6.47) ²

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

Verify 176/174 m/z Ratio: $4025100/413952 \times 100 = 97.25$

NOAH Cart #: NA File #: NA

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \text{Conc.}_{\text{is}} \times \text{RRF} = \frac{(571951)}{(297045)} \times (25) \times (1.99620) = 24.114$

Reported Result 24.114

File ID: T032602
 Compound: 1,2-DCA-d4
 Initials: UR

BFB Injection Date: 3/26/07 Logbook #: 1533
 BFB Injection Time: 0810
 BFB File ID: T032601
 Tekmar Purge Flow: 21.5 ml/min
 Vacuum: 3.31 x 10⁻⁵
 I/S Std #: 1487-110 Exp. Date: 5/20/07
 BCM 297045
 1,4-DFB 1080507
 CB-d5 902793
 Verified CCV IS vs ICAL mid-point (-40%D) UR
Initials

File #	Sample / Grant Name	Con. #	Pressure	Ampl. Level	IR	Injection Date Analyzed	Time Analyzed	Review Time	Comments
1	T032601	BFB Tune Check	50ppb	2µl	UR	3/26/07	0810	UR/CT	
2	02	CV-1 1487-115	200ppb → 50ppb	50ml	UR/CT		0834	UR/CT	
3	03	LOS-1 1408-380A	100ppb → 50ppb	100ml	UR/CT		0922	UR/CT	
4	04	ICAL level 3 #1487-384	100ppb → 8ppb	4ml	UR/CT		1108	UR/CT	
5	05	ICAL level 15 #1408-384	100ppb → 50ppb	100ml	UR/CT		1200	UR/CT	SP 19CCV
6	06	ICAL level 6 #1408-384	100ppb → 710ppb	200ml	UR/CT		1255	UR/CT	Verify BFB inject
7	07	CV-SP 1487-76	500ppb → 50ppb	50ml	UR/CT		1406	UR/CT	Verify BFB inject
8	08	CV-SP 1443-13	200ppb → 50ppb	50ml	UR/CT		1503	UR/CT	Verify BFB inject
9	09	Humid Lab Blank	31437	200ml	UR	3-26-07	1556	UR/CT	

30

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.

Report Date: 07-Mar-2007 12:19

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	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(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

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	FINAL	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		

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	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	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	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	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	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	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	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	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	FINAL	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	

Report Date: 07-Mar-2007 12:19

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 07-MAR-2007

Lab File ID: t030703.d

Calibration Time: 10:52

Lab Smp Id: LCS-1

Client Smp ID: LCS-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/07Mar2007.b/t14q306a.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

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

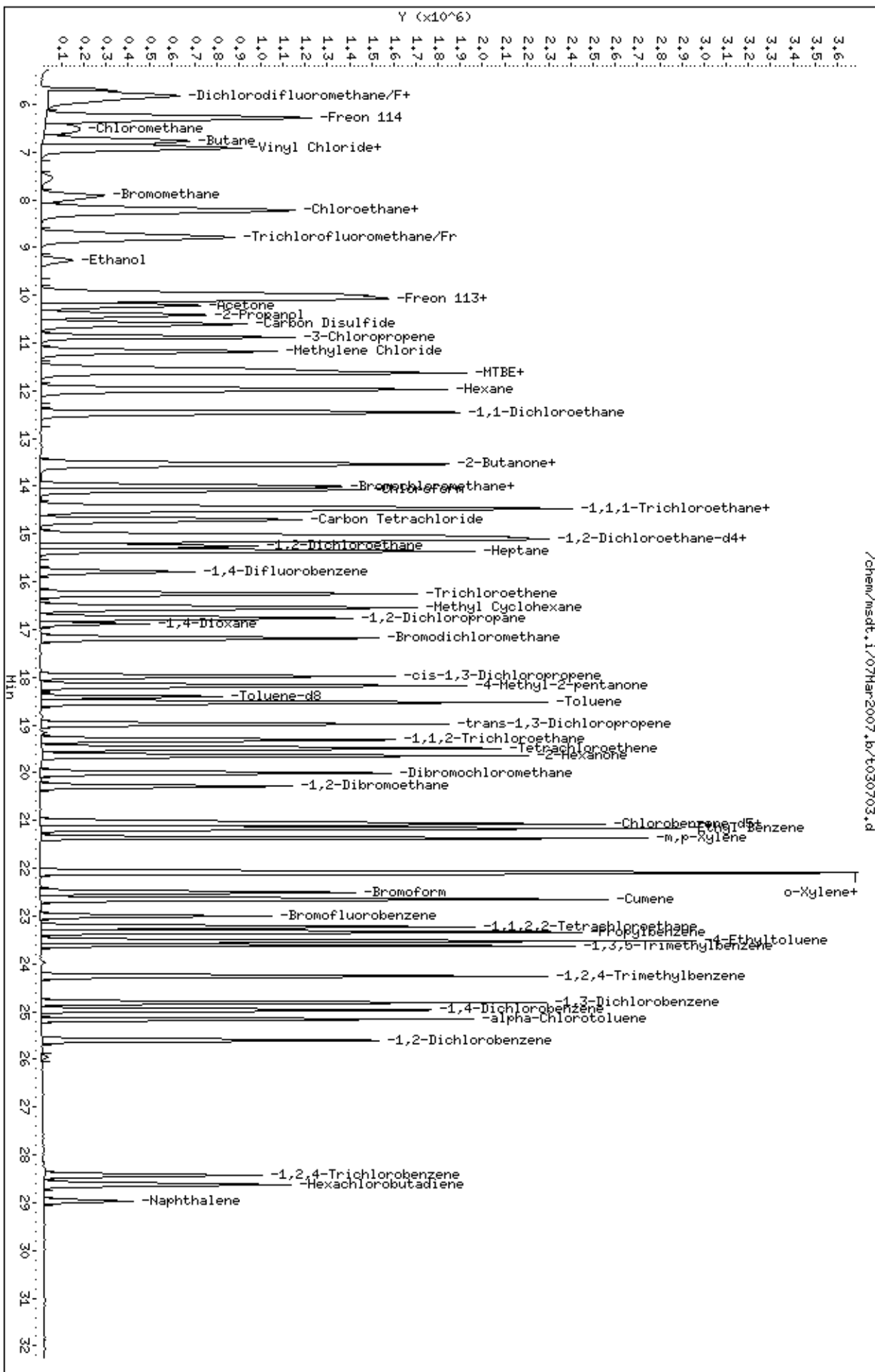
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	48.579	97.16	70-130
111 4-Methyl-2-pentano	50.000	50.953	101.91	60-140
114 Toluene	50.000	50.644	101.29	70-130
116 trans-1,3-Dichloro	50.000	48.478	96.96	70-130
117 1,1,2-Trichloroeth	50.000	46.529	93.06	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

Column phase: RTX-624

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



/chem/msdt,i/07Mar2007,b/t030703.d

Report Date: 07-Mar-2007 09:50

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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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).

Report Date: 07-Mar-2007 09:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-MAR-2007

Lab File ID: t030603.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv-0.2ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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/06Har2007.b/t030603.d

Date : 06-HAR-2007 16:57

Client ID: Level 1

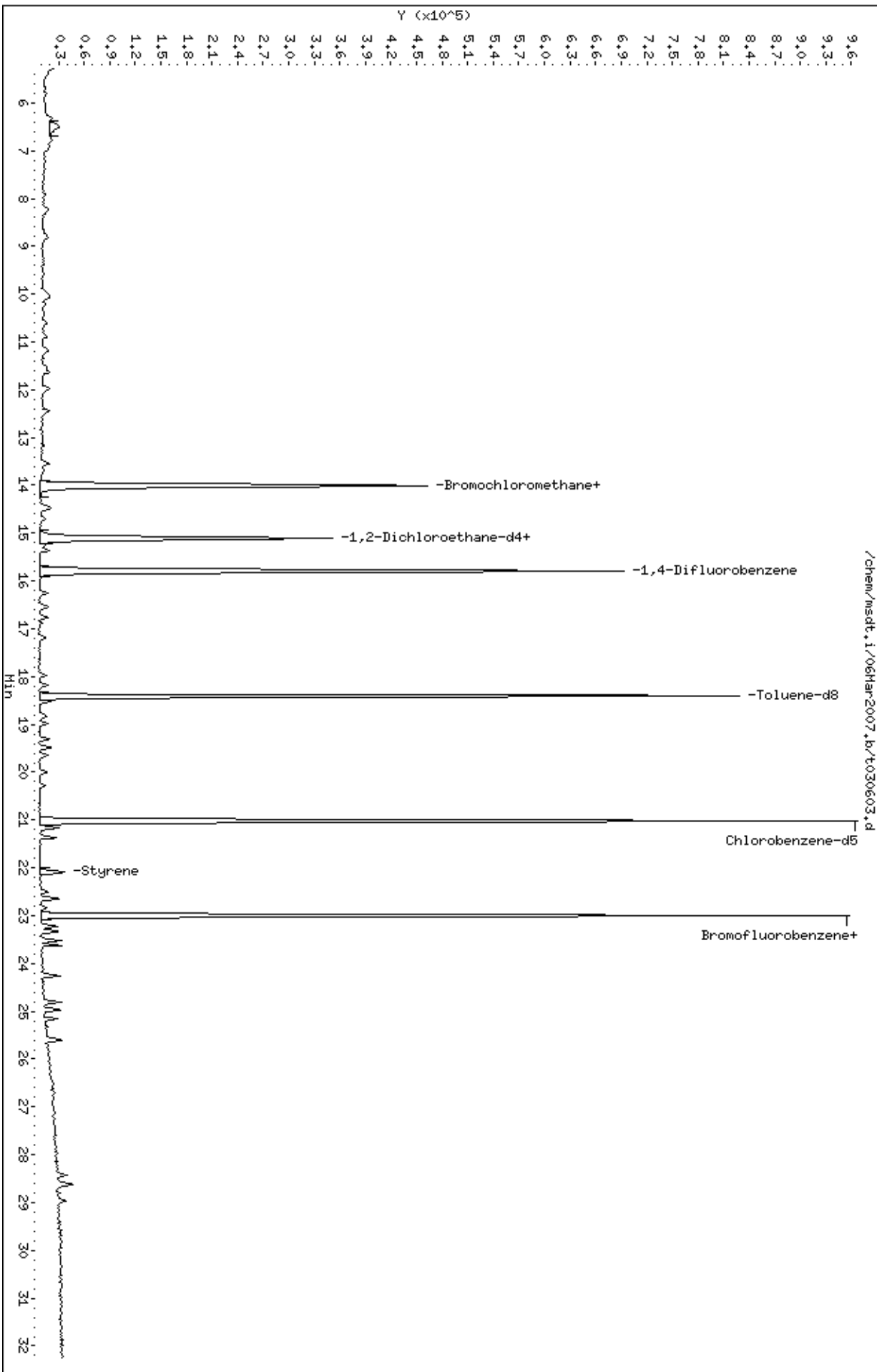
Sample Info: 0.2mL #1487-115

Column phase: RTX-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53



Report Date: 07-Mar-2007 09:50

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

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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		

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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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).

Report Date: 07-Mar-2007 09:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-MAR-2007

Lab File ID: t030611.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 2

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv-0.5ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

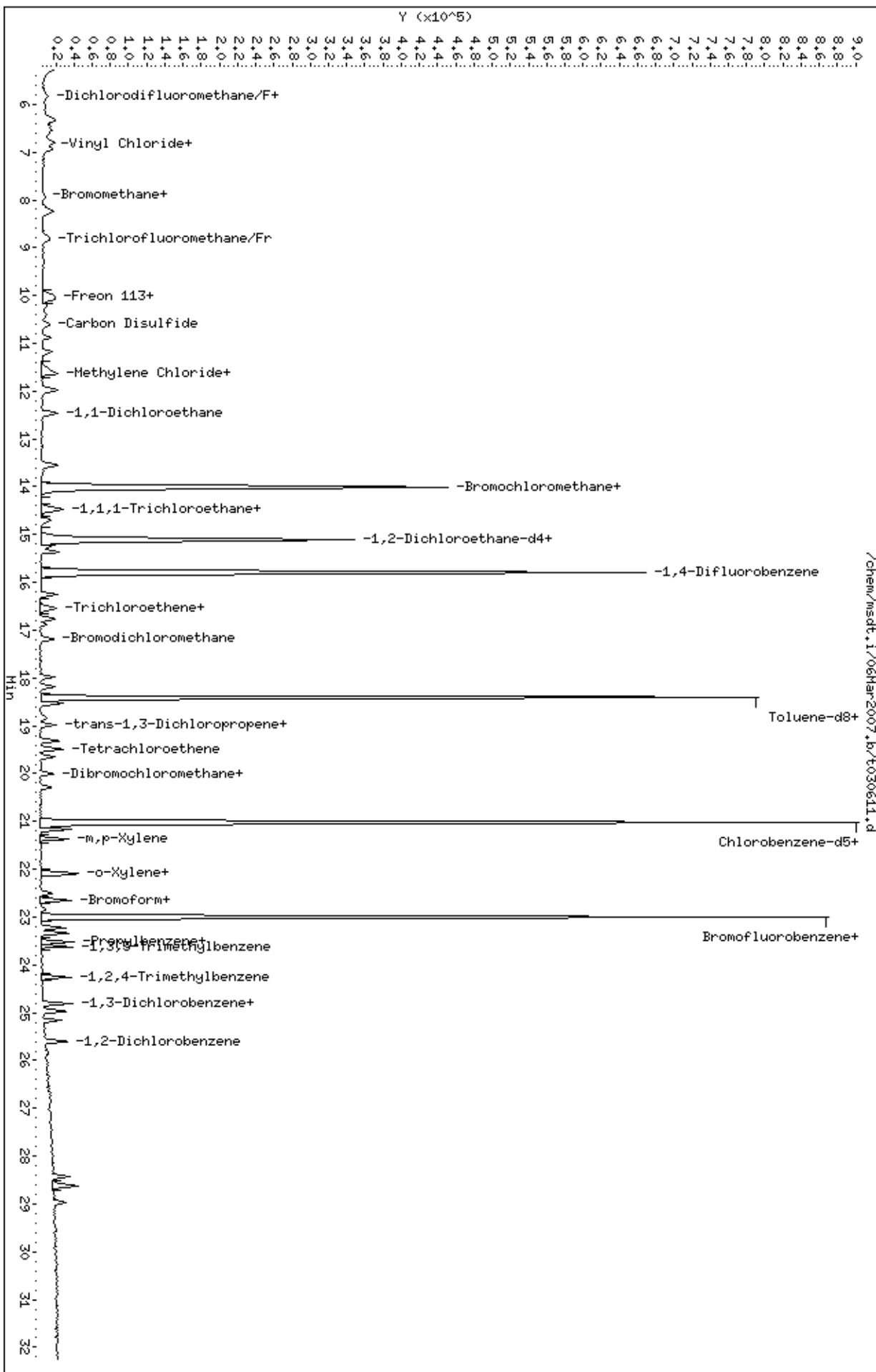
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

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

Column phase: RTX-624

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



Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/26Mar2007.b/t032604.d
 Lab Smp Id: ICal Client Smp ID: Level 3
 Inj Date : 26-MAR-2007 11:02
 Operator : lmr Inst ID: msdt.i
 Smp Info : 4ml #1408-384A
 Misc Info : 100ppbv ->2ppbv
 Comment :
 Method : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Meth Date : 27-Mar-2007 08:21 ctaylor Quant Type: ISTD
 Cal Date : 26-MAR-2007 11:02 Cal File: t032604.d
 Als bottle: 1 Calibration Sample, Level: 3
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp19c.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.024	14.024	(1.000)	130	263527	25.0000		50.00- 150.00	100.00	
14.024	14.024	(1.000)	128	203319			27.59- 127.59	77.15	
14.024	14.024	(1.000)	49	650549			201.86- 301.86	246.86	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794	(1.000)	114	1001765	25.0000		50.00- 150.00	100.00	
15.794	15.794	(1.000)	88	186526			0.00- 68.55	18.62	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019	(1.000)	117	742674	25.0000		50.00- 150.00	100.00	
21.019	21.019	(1.000)	82	468294			14.12- 114.12	63.06	

23 Methyl acetate CAS #: 79-20-9									
10.872	10.872	(0.775)	43	115390	2.00000	2.029	50.00- 150.00	100.00	
10.872	10.872	(0.775)	74	17089			0.00- 65.00	14.81	

24 Chloroprene CAS #: 126-99-8									
12.586	12.586	(0.897)	53	120026	2.00000	1.975	50.00- 150.00	100.00(a)	
12.586	12.586	(0.897)	88	42606			0.00- 85.94	35.50	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
24 Chloroprene (continued)									
12.586	12.586	(0.897)	50	36040			0.00- 79.53	30.03	

78 2,2-Dichloropropane CAS #: 594-20-7									
13.526	13.526	(0.964)	77	73974	2.00000	2.058	50.00- 150.00	100.00	
13.526	13.526	(0.964)	79	24000			0.00- 83.35	32.44	
13.554	13.554	(0.966)	97	13434			0.00- 67.61	18.16	

88 1,1-Dichloropropene CAS #: 563-58-6									
14.715	14.715	(0.932)	110	18056	2.00000	2.002	50.00- 150.00	100.00	
14.715	14.715	(0.932)	75	53717			249.17- 349.17	297.50	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.637	19.637	(1.243)	76	55900	2.00000	1.995	50.00- 150.00	100.00(a)	
19.637	19.637	(1.243)	41	58842			51.67- 151.67	105.26	
19.637	19.637	(1.243)	78	19687			0.00- 82.87	35.22	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.185	21.185	(1.008)	131	36361	2.00000	2.090	50.00- 150.00	100.00	
21.185	21.185	(1.008)	117	24762			16.91- 116.91	68.10	
21.185	21.185	(1.008)	95	16570			0.00- 93.95	45.57	

136 Bromobenzene CAS #: 108-86-1									
23.314	23.314	(1.109)	156	31973	2.00000	2.047	50.00- 150.00	100.00	
23.287	23.287	(1.108)	158	31235			46.63- 146.63	97.69	
23.287	23.287	(1.108)	77	83149			203.49- 303.49	260.06	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.342	23.342	(1.110)	110	18283	2.00000	2.099	50.00- 150.00	100.00	
23.342	23.342	(1.110)	75	62507			282.13- 382.13	341.89	
23.342	23.342	(1.110)	61	18759			54.03- 154.03	102.60	

141 2-Chlorotoluene CAS #: 95-49-8									
23.563	23.563	(1.121)	126	26411	2.00000	2.082	50.00- 150.00	100.00	
23.563	23.563	(1.121)	91	84970			269.87- 369.87	321.72	
23.563	23.563	(1.121)	65	10961			0.00- 90.26	41.50	

143 4-Chlorotoluene CAS #: 106-43-4									
23.757	23.757	(1.130)	126	23025	2.00000	2.018	50.00- 150.00	100.00	
23.757	23.757	(1.130)	91	82029			284.74- 384.74	356.26	
23.757	23.757	(1.130)	63	14554			10.21- 110.21	63.21	

148 tert-Butylbenzene CAS #: 98-06-6									
24.144	24.144	(1.149)	119	88880	2.00000	2.175	50.00- 150.00	100.00	
24.144	24.144	(1.149)	134	20853			0.00- 73.54	23.46	
24.144	24.144	(1.149)	91	72486			29.58- 129.58	81.55	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
201 Pentachloroethane						CAS #:	76-01-7		
24.282	24.282	(1.155)	167	23386	2.00000	2.013	50.00-	150.00	100.00
24.282	24.282	(1.155)	117	26739			61.17-	161.17	114.34
24.282	24.282	(1.155)	169	11778			0.00-	98.45	50.36

149 sec-Butylbenzene						CAS #:	135-98-8		
24.503	24.503	(1.166)	105	114510	2.00000	2.134	50.00-	150.00	100.00
24.503	24.503	(1.166)	134	20092			0.00-	67.66	17.55
24.503	24.503	(1.166)	91	20631			0.00-	66.89	18.02

153 p-Cymene						CAS #:	99-87-6		
24.724	24.724	(1.176)	119	92662	2.00000	2.185	50.00-	150.00	100.00
24.724	24.724	(1.176)	134	24807			0.00-	76.51	26.77
24.724	24.724	(1.176)	91	28764			0.00-	79.43	31.04

154 1,2,3-Trimethylbenzene						CAS #:	526-73-8		
24.973	24.973	(1.188)	120	32026	2.00000	2.264	50.00-	150.00	100.00
24.973	24.973	(1.188)	105	77727			195.92-	295.92	242.70
24.973	24.973	(1.188)	77	12308			0.00-	86.23	38.43

158 Butylbenzene						CAS #:	104-51-8		
25.388	25.388	(1.208)	134	22330	2.00000	2.288	50.00-	150.00	100.00
25.388	25.388	(1.208)	91	98926			391.35-	491.35	443.02
25.388	25.388	(1.208)	92	54331			191.29-	291.29	243.31

203 Hexachloroethane						CAS #:	67-72-1		
25.969	25.969	(1.235)	201	33979	2.00000	2.104	50.00-	150.00	100.00
25.969	25.969	(1.235)	117	55370			104.09-	204.09	162.95
0.000	1.000	(0.000)	0	0			0.00-	50.00	0.00

162 1,2-Dibromo-3-Chloropropane						CAS #:	96-12-8		
26.936	26.936	(1.282)	157	17129	2.00000	2.054	50.00-	150.00	100.00
26.936	26.936	(1.282)	75	23605			75.46-	175.46	137.81
26.936	26.936	(1.282)	155	13283			27.42-	127.42	77.55

202 1,2,3-Trichlorobenzene						CAS #:	87-61-6		
29.480	29.480	(1.403)	180	24801	2.00000	2.370	50.00-	150.00	100.00
29.480	29.480	(1.403)	182	25160			46.68-	146.68	101.45
29.480	29.480	(1.403)	145	9353			0.00-	86.00	37.71

QC Flag Legend

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

Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 26-MAR-2007

Lab File ID: t032604.d

Calibration Time: 12:00

Lab Smp Id: ICal

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lmr

Method File: /chem/msdt.i/26Mar2007.b/t14q306c.m

Misc Info: 100ppbv ->2ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	302895	181737	424053	263527	-13.00
97 1,4-Difluorobenze	1073795	644277	1503313	1001765	-6.71
126 Chlorobenzene-d5	873146	523888	1222404	742674	-14.94

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

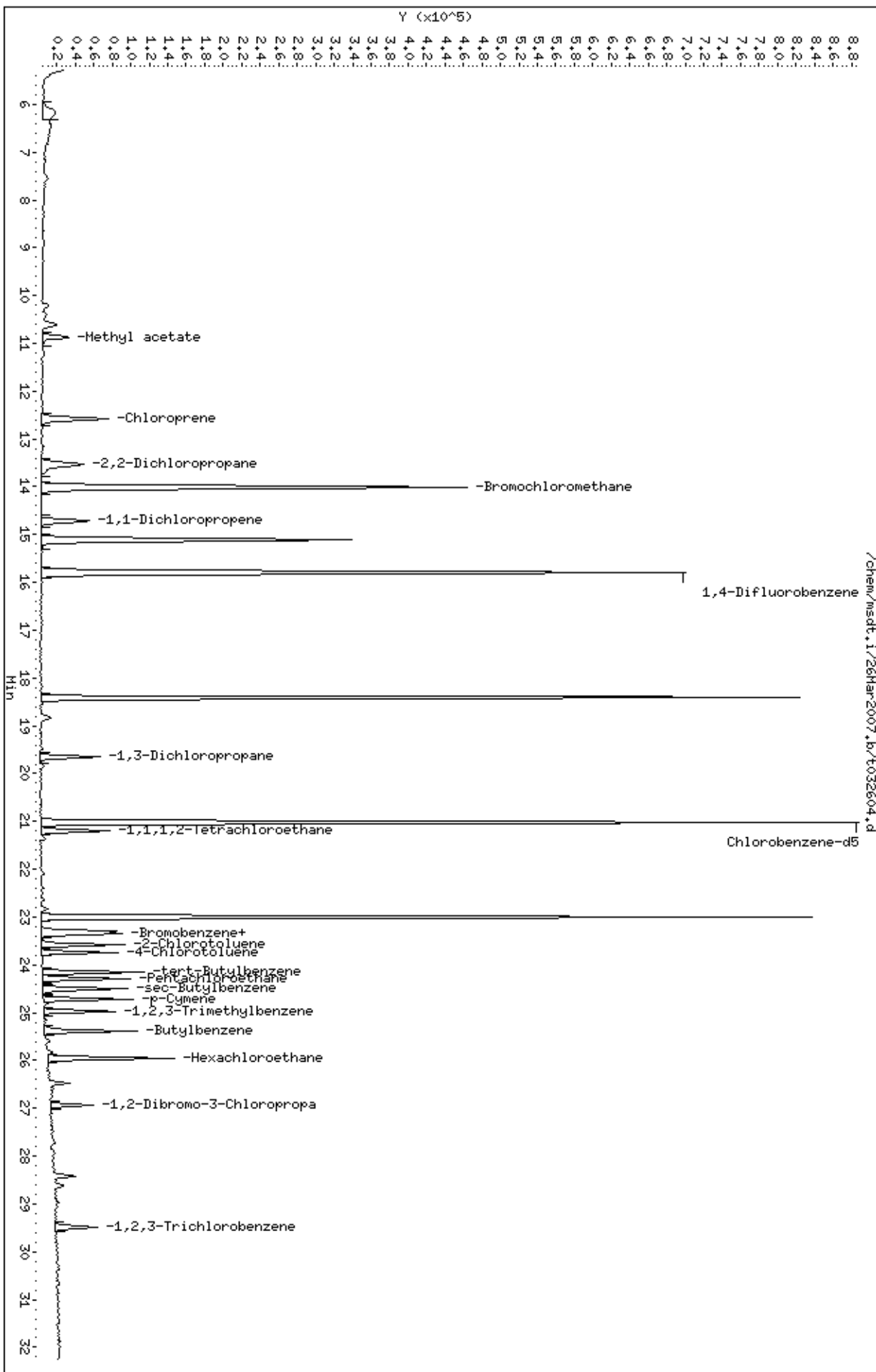
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/26Mar2007,b/t032604.d
Date : 26-Mar-2007 11:02
Client ID: Level 3
Sample Info: 4ml #1408-384A

Column phase: RTX-624

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



Report Date: 16-Mar-2007 12:17

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

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

Report Date: 16-Mar-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 15-MAR-2007

Lab File ID: t031502.d

Calibration Time: 12:47

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m

Misc Info: 200ppbv-2ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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/15Mar2007,b/t031502.d

Date: 15-Mar-2007 12:05

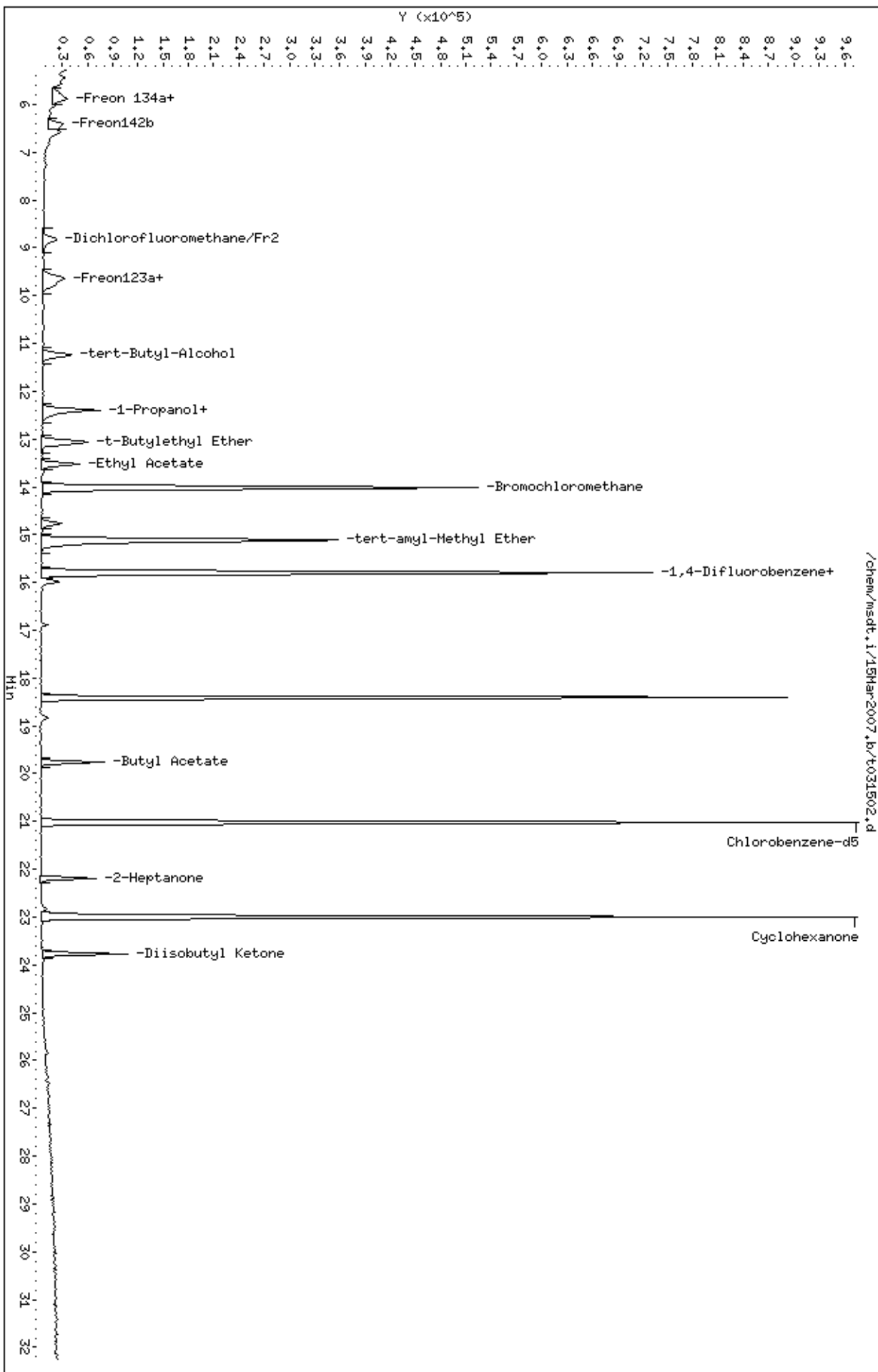
Client ID: Level 3

Sample Info: 2mL #1443-13

Page 1

Column phase: RTX-624

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



Report Date: 07-Mar-2007 09:50

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

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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

Calibration Date: 06-MAR-2007

Lab File ID: t030605.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv -> 2.0ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

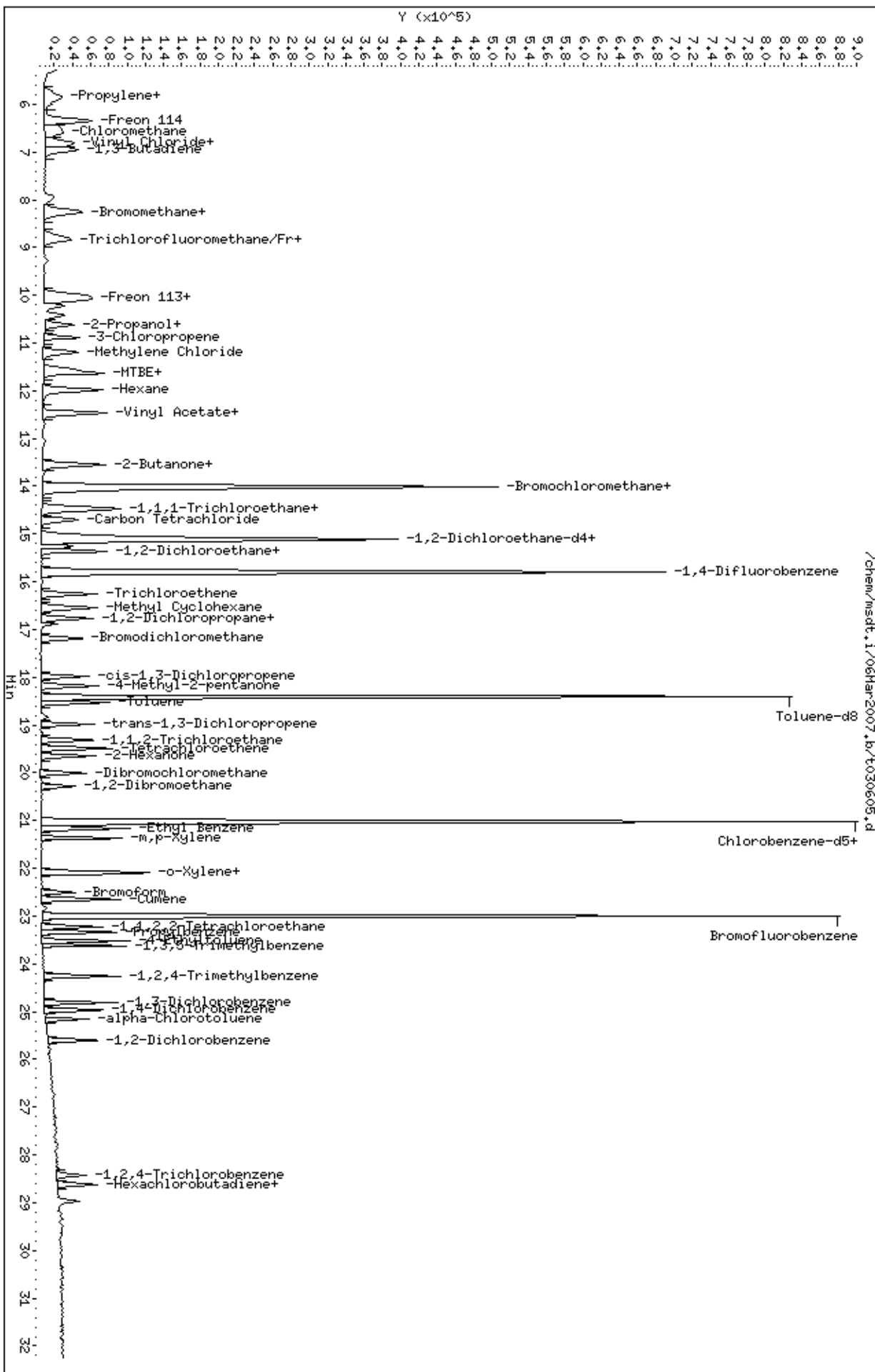
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

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



Report Date: 07-Mar-2007 09:50

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

AMOUNTS

CAL-AMT ON-COL

RT EXP RT (REL RT) MASS RESPONSE (PPEV) (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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

Report Date: 07-Mar-2007 09:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-MAR-2007

Lab File ID: t030606.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 4

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv -> 25ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

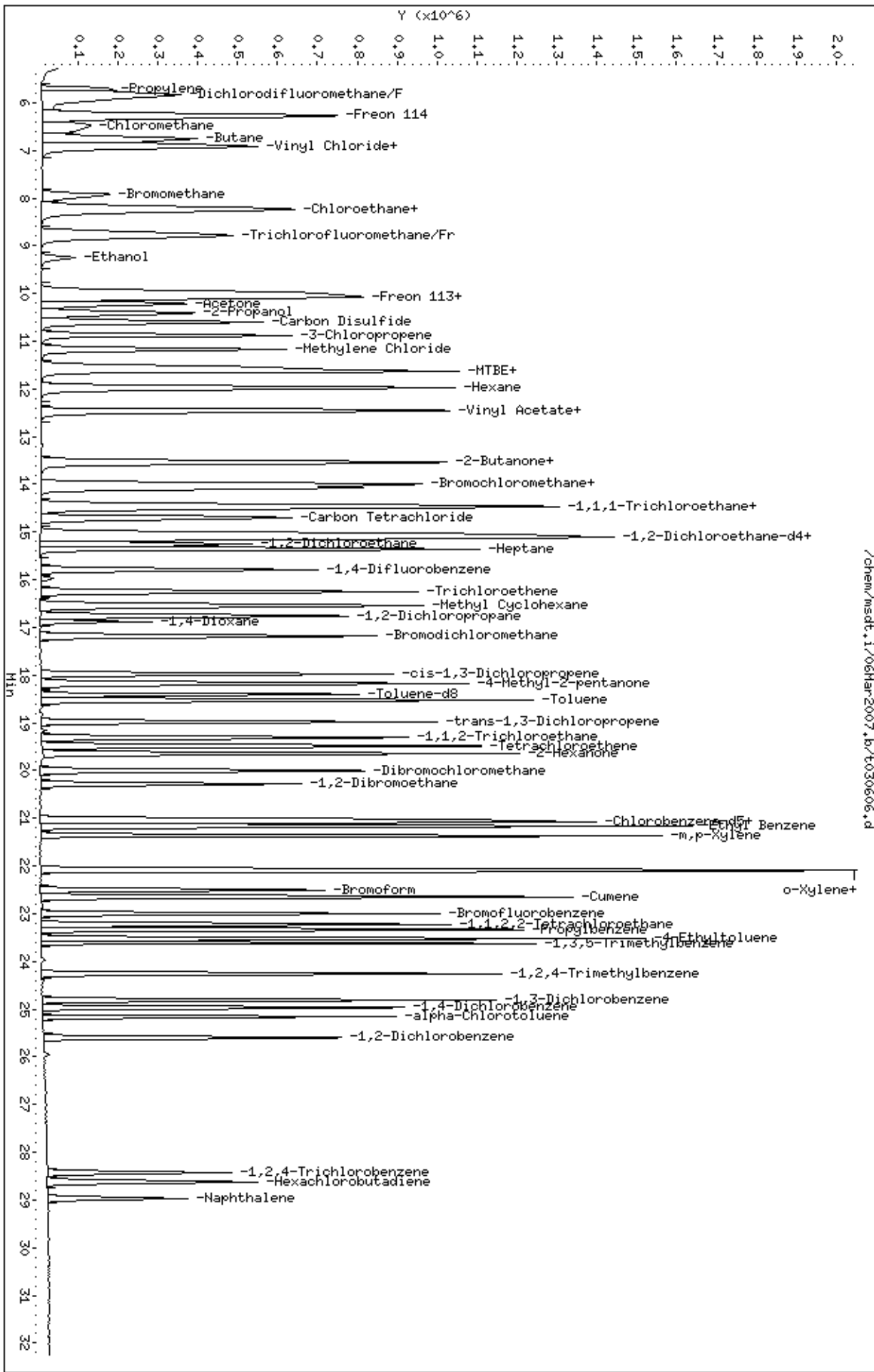
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/06Har2007,b/t030606.d
 Date: 06-HAR-2007 19:09
 Client ID: Level 4
 Sample Info: 25mL #1487-115

Column phase: RTX-624

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



/chem/msdt,i/06Har2007,b/t030606.d

Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/26Mar2007.b/t032605.d
 Lab Smp Id: ICal Client Smp ID: Level 5
 Inj Date : 26-MAR-2007 12:00
 Operator : lmr Inst ID: msdt.i
 Smp Info : 100ml #1408-384A
 Misc Info : 100ppbv ->50ppbv
 Comment :
 Method : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Meth Date : 27-Mar-2007 08:21 ctaylor Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:00 Cal File: t032605.d
 Als bottle: 1 Calibration Sample, Level: 5
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp19c.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.024	14.024	(1.000)	130	302895	25.0000		80.00- 120.00	100.00	
14.024	14.024	(1.000)	128	230883			26.23- 126.23	76.23	
14.024	14.024	(1.000)	49	733689			192.23- 292.23	242.23	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794	(1.000)	114	1073795	25.0000		80.00- 120.00	100.00	
15.794	15.794	(1.000)	88	196350			0.00- 68.29	18.29	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019	(1.000)	117	873146	25.0000		80.00- 120.00	100.00	
21.019	21.019	(1.000)	82	548678			14.12- 114.12	62.84	

23 Methyl acetate CAS #: 79-20-9									
10.872	10.872	(0.775)	43	3215540	50.0000	49.196	80.00- 120.00	100.00	
10.872	10.872	(0.775)	74	485589			0.00- 65.00	15.10	

24 Chloroprene CAS #: 126-99-8									
12.586	12.586	(0.897)	53	3483035	50.0000	49.867	80.00- 120.00	100.00	
12.586	12.586	(0.897)	88	1265677			0.00- 86.34	36.34	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
24 Chloroprene (continued)									
12.586	12.586	(0.897)	50	1030847			0.00- 79.60	29.60	

78 2,2-Dichloropropane CAS #: 594-20-7									
13.554	13.554	(0.966)	77	2050907	50.0000	49.648	80.00- 120.00	100.00	
13.554	13.554	(0.966)	79	697341			0.00- 84.00	34.00	
13.554	13.554	(0.966)	97	357108			0.00- 67.61	17.41	

88 1,1-Dichloropropene CAS #: 563-58-6									
14.743	14.743	(0.933)	110	483829	50.0000	50.054	80.00- 120.00	100.00	
14.743	14.743	(0.933)	75	1457240			249.17- 349.17	301.19	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.637	19.637	(1.243)	76	1525764	50.0000	50.803	80.00- 120.00	100.00	
19.637	19.637	(1.243)	41	1524689			49.93- 149.93	99.93	
19.637	19.637	(1.243)	78	484532			0.00- 82.87	31.76	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.185	21.185	(1.008)	131	999849	50.0000	48.876	80.00- 120.00	100.00	
21.185	21.185	(1.008)	117	660914			16.91- 116.91	66.10	
21.185	21.185	(1.008)	95	434190			0.00- 93.95	43.43	

136 Bromobenzene CAS #: 108-86-1									
23.287	23.287	(1.108)	156	913975	50.0000	49.771	80.00- 120.00	100.00	
23.287	23.287	(1.108)	158	877529			46.01- 146.01	96.01	
23.287	23.287	(1.108)	77	2303267			203.49- 303.49	252.01	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.342	23.342	(1.110)	110	505075	50.0000	49.312	80.00- 120.00	100.00	
23.342	23.342	(1.110)	75	1647887			276.27- 376.27	326.27	
23.342	23.342	(1.110)	61	528690			54.03- 154.03	104.68	

141 2-Chlorotoluene CAS #: 95-49-8									
23.563	23.563	(1.121)	126	735666	50.0000	49.319	80.00- 120.00	100.00	
23.563	23.563	(1.121)	91	2335983			267.53- 367.53	317.53	
23.563	23.563	(1.121)	65	294903			0.00- 90.26	40.09	

143 4-Chlorotoluene CAS #: 106-43-4									
23.757	23.757	(1.130)	126	670547	50.0000	49.989	80.00- 120.00	100.00	
23.757	23.757	(1.130)	91	2171862			273.89- 373.89	323.89	
23.757	23.757	(1.130)	63	393942			10.21- 110.21	58.75	

148 tert-Butylbenzene CAS #: 98-06-6									
24.144	24.144	(1.149)	119	2313768	50.0000	48.168	80.00- 120.00	100.00	
24.144	24.144	(1.149)	134	546404			0.00- 73.62	23.62	
24.144	24.144	(1.149)	91	1819720			29.58- 129.58	78.65	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

201 Pentachloroethane						CAS #: 76-01-7			
24.282	24.282	(1.155)	167	682077	50.0000	49.937	80.00- 120.00	100.00	
24.282	24.282	(1.155)	117	753974			61.17- 161.17	110.54	
24.282	24.282	(1.155)	169	324014			0.00- 98.45	47.50	

149 sec-Butylbenzene						CAS #: 135-98-8			
24.503	24.503	(1.166)	105	3076481	50.0000	48.763	80.00- 120.00	100.00	
24.503	24.503	(1.166)	134	547597			0.00- 67.80	17.80	
24.503	24.503	(1.166)	91	502558			0.00- 66.89	16.34	

153 p-Cymene						CAS #: 99-87-6			
24.724	24.724	(1.176)	119	2392108	50.0000	47.973	80.00- 120.00	100.00	
24.724	24.724	(1.176)	134	628208			0.00- 76.51	26.26	
24.724	24.724	(1.176)	91	692461			0.00- 79.43	28.95	

154 1,2,3-Trimethylbenzene						CAS #: 526-73-8			
24.973	24.973	(1.188)	120	781219	50.0000	46.984	80.00- 120.00	100.00	
24.973	24.973	(1.188)	105	1926115			196.55- 296.55	246.55	
24.973	24.973	(1.188)	77	274208			0.00- 86.23	35.10	

158 Butylbenzene						CAS #: 104-51-8			
25.388	25.388	(1.208)	134	531294	50.0000	46.313	80.00- 120.00	100.00	
25.388	25.388	(1.208)	91	2324252			387.47- 487.47	437.47	
25.388	25.388	(1.208)	92	1272034			191.29- 291.29	239.42	

203 Hexachloroethane						CAS #: 67-72-1			
25.969	25.969	(1.235)	201	934997	50.0000	49.250	80.00- 120.00	100.00	
25.969	25.969	(1.235)	117	1411372			104.09- 204.09	150.95	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

162 1,2-Dibromo-3-Chloropropane						CAS #: 96-12-8			
26.936	26.936	(1.282)	157	472499	50.0000	48.192	80.00- 120.00	100.00	
26.936	26.936	(1.282)	75	567744			70.16- 170.16	120.16	
26.936	26.936	(1.282)	155	366264			27.42- 127.42	77.52	

202 1,2,3-Trichlorobenzene						CAS #: 87-61-6			
29.480	29.480	(1.403)	180	567326	50.0000	46.122	80.00- 120.00	100.00	
29.480	29.480	(1.403)	182	527903			46.68- 146.68	93.05	
29.480	29.480	(1.403)	145	198179			0.00- 86.00	34.93	

Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 26-MAR-2007

Lab File ID: t032605.d

Calibration Time: 12:00

Lab Smp Id: ICal

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lmr

Method File: /chem/msdt.i/26Mar2007.b/t14q306c.m

Misc Info: 100ppbv ->50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	302895	181737	424053	302895	0.00
97 1,4-Difluorobenze	1073795	644277	1503313	1073795	0.00
126 Chlorobenzene-d5	873146	523888	1222404	873146	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

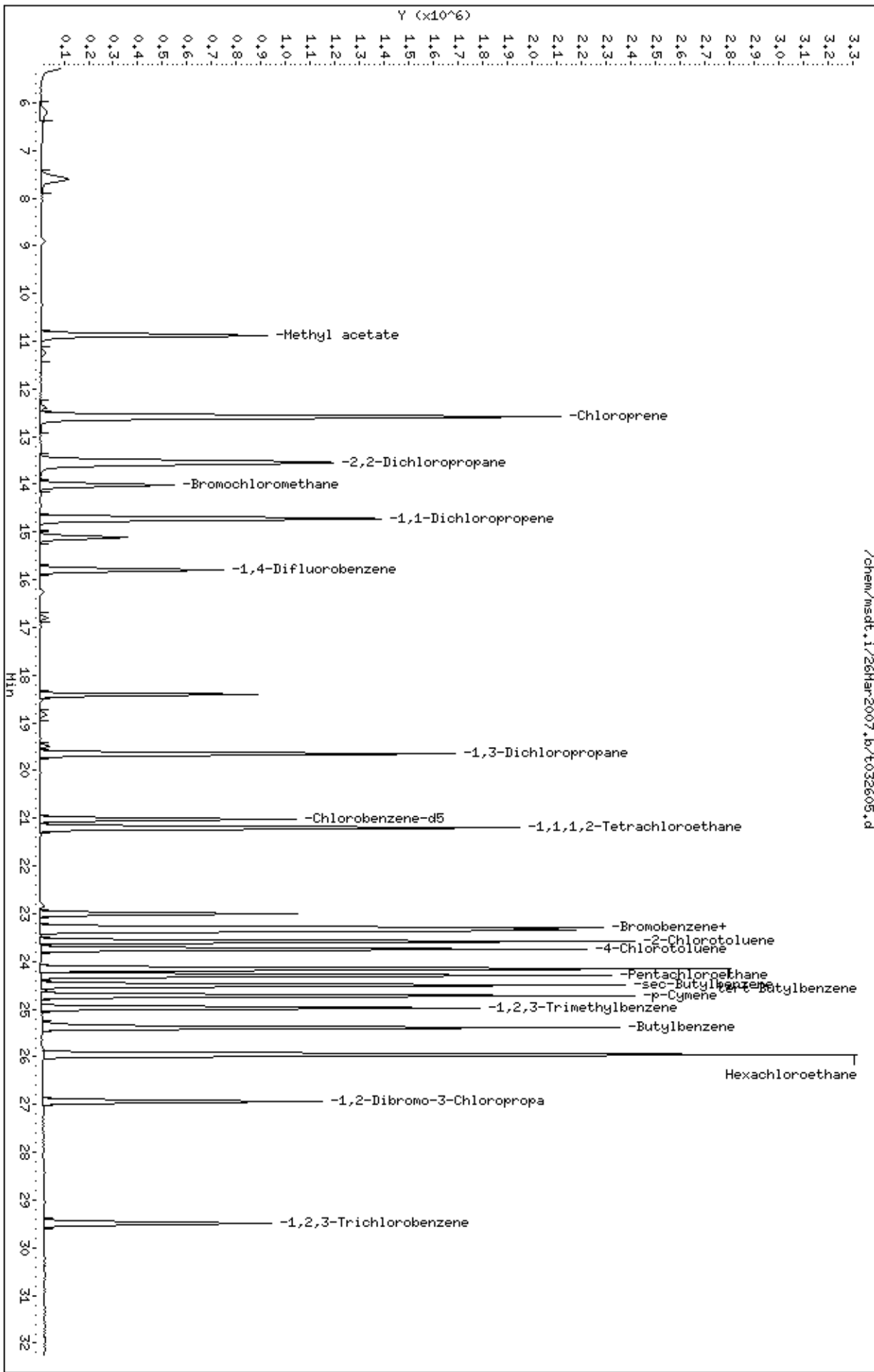
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/26Mar2007,b/t032605.d
Date : 26-Mar-2007 12:00
Client ID: Level 5
Sample Info: 100ml #1408-384A

Column phase: RTX-624

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

/chem/msdt,i/26Mar2007,b/t032605.d



Report Date: 16-Mar-2007 12:17

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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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

Calibration Date: 15-MAR-2007

Lab File ID: t031503.d

Calibration Time: 12:47

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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/15Mar2007,b/t031503.d

Date: 15-Mar-2007 12:47

Client ID: Level 5

Sample Info: 50mL #1443-13

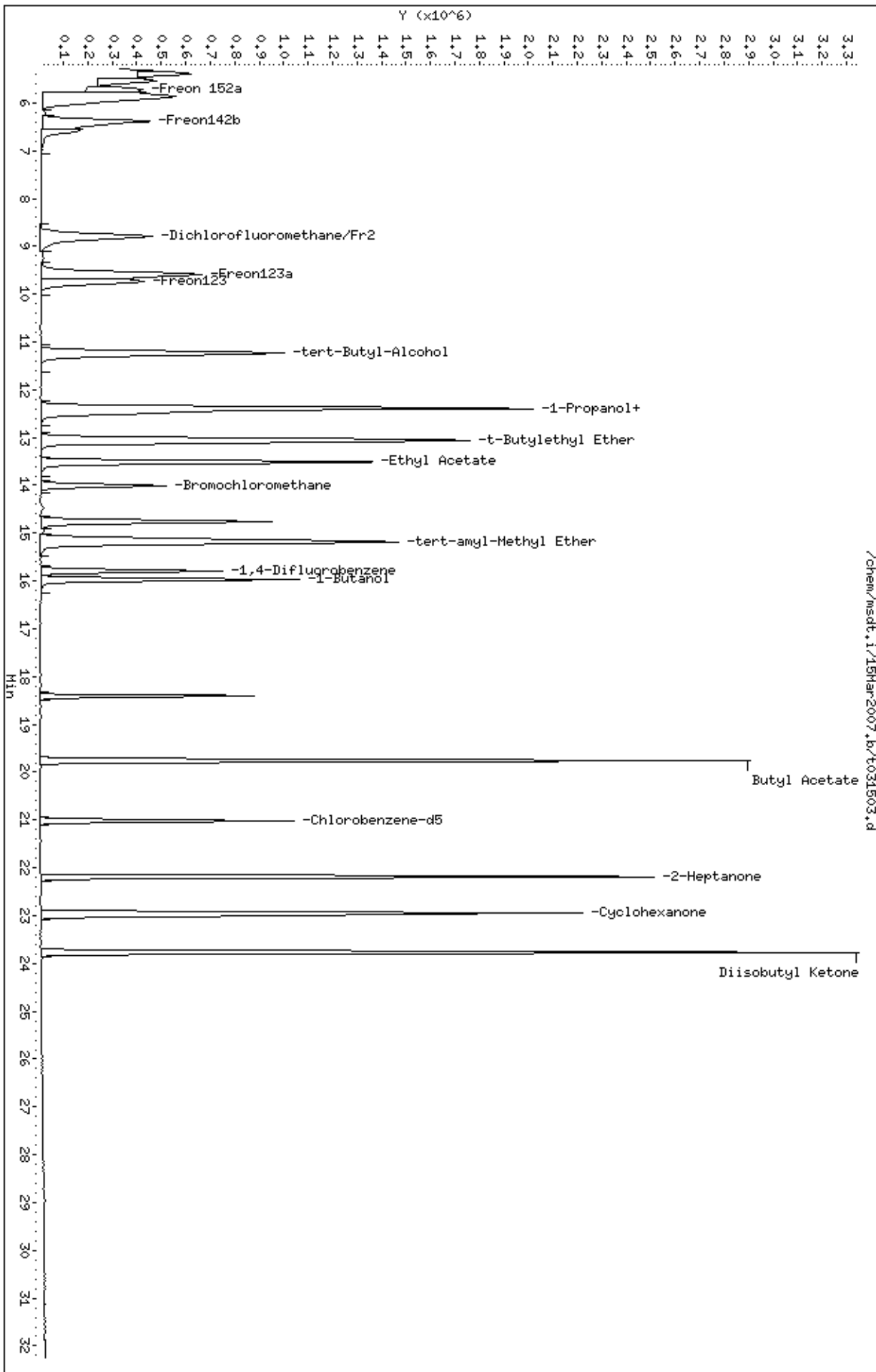
Column phase: RTX-624

Instrument: msdt,i

Operator: sjr

Column diameter: 0.53

Page 1



Report Date: 07-Mar-2007 09:51

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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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

Calibration Date: 06-MAR-2007

Lab File ID: t030607.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv -> 50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

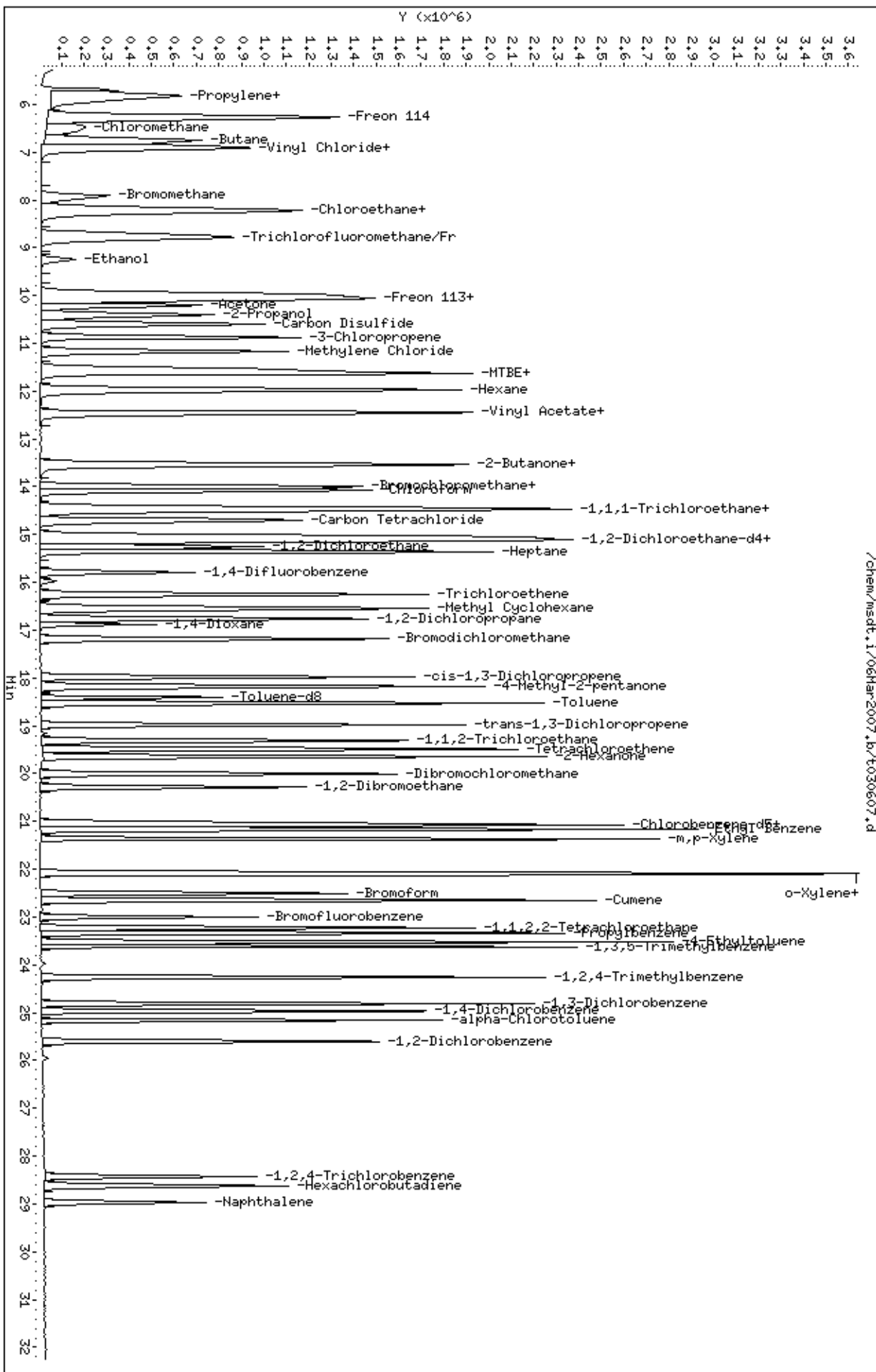
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/06Har2007,b/t030607.d
 Date: 06-HAR-2007 20:30
 Client ID: Level 5
 Sample Info: 50mL #1487-115

Column phase: RTX-624

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



/chem/msdt,i/06Har2007,b/t030607.d

Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/26Mar2007.b/t032606.d
 Lab Smp Id: ICal Client Smp ID: Level 6
 Inj Date : 26-MAR-2007 12:55
 Operator : lmr Inst ID: msdt.i
 Smp Info : 100ml #1408-384A
 Misc Info : 100ppbv ->100ppbv
 Comment :
 Method : /chem/msdt.i/26Mar2007.b/t14q306c.m
 Meth Date : 27-Mar-2007 08:21 ctaylor Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.d
 Als bottle: 1 Calibration Sample, Level: 6
 Dil Factor: 1.00000
 Integrator: HP RTE Compound Sublist: sp19c.sub
 Target Version: 3.50 Sample Matrix: AIR
 Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT	ON-COL	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
* 81 Bromochloromethane CAS #: 74-97-5									
14.024	14.024	(1.000)	130	309599	25.0000		50.00- 150.00	100.00	
14.052	14.052	(1.000)	128	247254			27.59- 127.59	79.86	
14.024	14.024	(1.000)	49	762156			201.86- 301.86	246.18	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.793	15.793	(1.000)	114	1105056	25.0000		50.00- 150.00	100.00	
15.793	15.793	(1.000)	88	200317			0.00- 68.55	18.13	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019	(1.000)	117	872653	25.0000		50.00- 150.00	100.00	
21.019	21.019	(1.000)	82	548063			14.12- 114.12	62.80	

23 Methyl acetate CAS #: 79-20-9									
10.872	10.872	(0.775)	43	6691070	100.000	100.15	50.00- 150.00	100.00(A)	
10.872	10.872	(0.775)	74	1009197			0.00- 65.00	15.08	

24 Chloroprene CAS #: 126-99-8									
12.586	12.586	(0.897)	53	7246820	100.000	101.51	50.00- 150.00	100.00(A)	
12.586	12.586	(0.897)	88	2607146			0.00- 85.94	35.98	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
24 Chloroprene (continued)									
12.586	12.586	(0.897)	50	2099636			0.00- 79.53	28.97	

78 2,2-Dichloropropane CAS #: 594-20-7									
13.554	13.554	(0.966)	77	4129124	100.000	97.792	50.00- 150.00	100.00	
13.554	13.554	(0.966)	79	1387775			0.00- 83.35	33.61	
13.554	13.554	(0.966)	97	712756			0.00- 67.61	17.26	

88 1,1-Dichloropropene CAS #: 563-58-6									
14.743	14.743	(0.933)	110	992543	100.000	99.778	50.00- 150.00	100.00	
14.743	14.743	(0.933)	75	2965912			249.17- 349.17	298.82	

118 1,3-Dichloropropane CAS #: 142-28-9									
19.637	19.637	(1.243)	76	3048691	100.000	98.639	50.00- 150.00	100.00	
19.637	19.637	(1.243)	41	3042722			51.67- 151.67	99.80	
19.637	19.637	(1.243)	78	964774			0.00- 82.87	31.65	

125 1,1,1,2-Tetrachloroethane CAS #: 630-20-6									
21.185	21.185	(1.008)	131	1998754	100.000	97.762	50.00- 150.00	100.00	
21.185	21.185	(1.008)	117	1329789			16.91- 116.91	66.53	
21.185	21.185	(1.008)	95	856272			0.00- 93.95	42.84	

136 Bromobenzene CAS #: 108-86-1									
23.286	23.286	(1.108)	156	1800567	100.000	98.107	50.00- 150.00	100.00	
23.286	23.286	(1.108)	158	1731976			46.63- 146.63	96.19	
23.286	23.286	(1.108)	77	4472748			203.49- 303.49	248.41	

138 1,2,3-Trichloropropane CAS #: 96-18-4									
23.342	23.342	(1.110)	110	987297	100.000	96.447	50.00- 150.00	100.00	
23.342	23.342	(1.110)	75	3240824			282.13- 382.13	328.25	
23.342	23.342	(1.110)	61	1034905			54.03- 154.03	104.82	

141 2-Chlorotoluene CAS #: 95-49-8									
23.563	23.563	(1.121)	126	1450229	100.000	97.279	50.00- 150.00	100.00	
23.563	23.563	(1.121)	91	4645944			269.87- 369.87	320.36	
23.563	23.563	(1.121)	65	568560			0.00- 90.26	39.20	

143 4-Chlorotoluene CAS #: 106-43-4									
23.756	23.756	(1.130)	126	1328829	100.000	99.119	50.00- 150.00	100.00	
23.756	23.756	(1.130)	91	4306418			284.74- 384.74	324.08	
23.756	23.756	(1.130)	63	779760			10.21- 110.21	58.68	

148 tert-Butylbenzene CAS #: 98-06-6									
24.144	24.144	(1.149)	119	4555824	100.000	94.896	50.00- 150.00	100.00	
24.144	24.144	(1.149)	134	1073056			0.00- 73.54	23.55	
24.144	24.144	(1.149)	91	3578408			29.58- 129.58	78.55	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
201 Pentachloroethane					CAS #: 76-01-7				
24.282	24.282	(1.155)	167	1357971	100.000	99.478	50.00- 150.00	100.00	
24.282	24.282	(1.155)	117	1475172			61.17- 161.17	108.63	
24.282	24.282	(1.155)	169	644853			0.00- 98.45	47.49	

149 sec-Butylbenzene					CAS #: 135-98-8				
24.503	24.503	(1.166)	105	6039299	100.000	95.779	50.00- 150.00	100.00	
24.503	24.503	(1.166)	134	1064469			0.00- 67.66	17.63	
24.503	24.503	(1.166)	91	984716			0.00- 66.89	16.31	

153 p-Cymene					CAS #: 99-87-6				
24.724	24.724	(1.176)	119	4725182	100.000	94.816	50.00- 150.00	100.00	
24.724	24.724	(1.176)	134	1251863			0.00- 76.51	26.49	
24.724	24.724	(1.176)	91	1337376			0.00- 79.43	28.30	

154 1,2,3-Trimethylbenzene					CAS #: 526-73-8				
24.973	24.973	(1.188)	120	1542271	100.000	92.808	50.00- 150.00	100.00	
24.973	24.973	(1.188)	105	3832615			195.92- 295.92	248.50	
24.973	24.973	(1.188)	77	542269			0.00- 86.23	35.16	

158 Butylbenzene					CAS #: 104-51-8				
25.388	25.388	(1.208)	134	1065671	100.000	92.948	50.00- 150.00	100.00	
25.388	25.388	(1.208)	91	4726867			391.35- 491.35	443.56	
25.388	25.388	(1.208)	92	2569686			191.29- 291.29	241.13	

203 Hexachloroethane					CAS #: 67-72-1				
25.968	25.968	(1.235)	201	1826965	100.000	96.288	50.00- 150.00	100.00	
25.968	25.968	(1.235)	117	2710480			104.09- 204.09	148.36	
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00	

162 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8				
26.936	26.936	(1.282)	157	988888	100.000	100.92	50.00- 150.00	100.00(A)	
26.936	26.936	(1.282)	75	1171079			75.46- 175.46	118.42	
26.936	26.936	(1.282)	155	763392			27.42- 127.42	77.20	

202 1,2,3-Trichlorobenzene					CAS #: 87-61-6				
29.480	29.480	(1.403)	180	1096950	100.000	89.230	50.00- 150.00	100.00	
29.480	29.480	(1.403)	182	1048026			46.68- 146.68	95.54	
29.480	29.480	(1.403)	145	387821			0.00- 86.00	35.35	

QC Flag Legend

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

Report Date: 27-Mar-2007 08:21

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 26-MAR-2007

Lab File ID: t032606.d

Calibration Time: 12:00

Lab Smp Id: ICal

Client Smp ID: Level 6

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: lmr

Method File: /chem/msdt.i/26Mar2007.b/t14q306c.m

Misc Info: 100ppbv ->100ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	302895	181737	424053	309599	2.21
97 1,4-Difluorobenze	1073795	644277	1503313	1105056	2.91
126 Chlorobenzene-d5	873146	523888	1222404	872653	-0.06

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

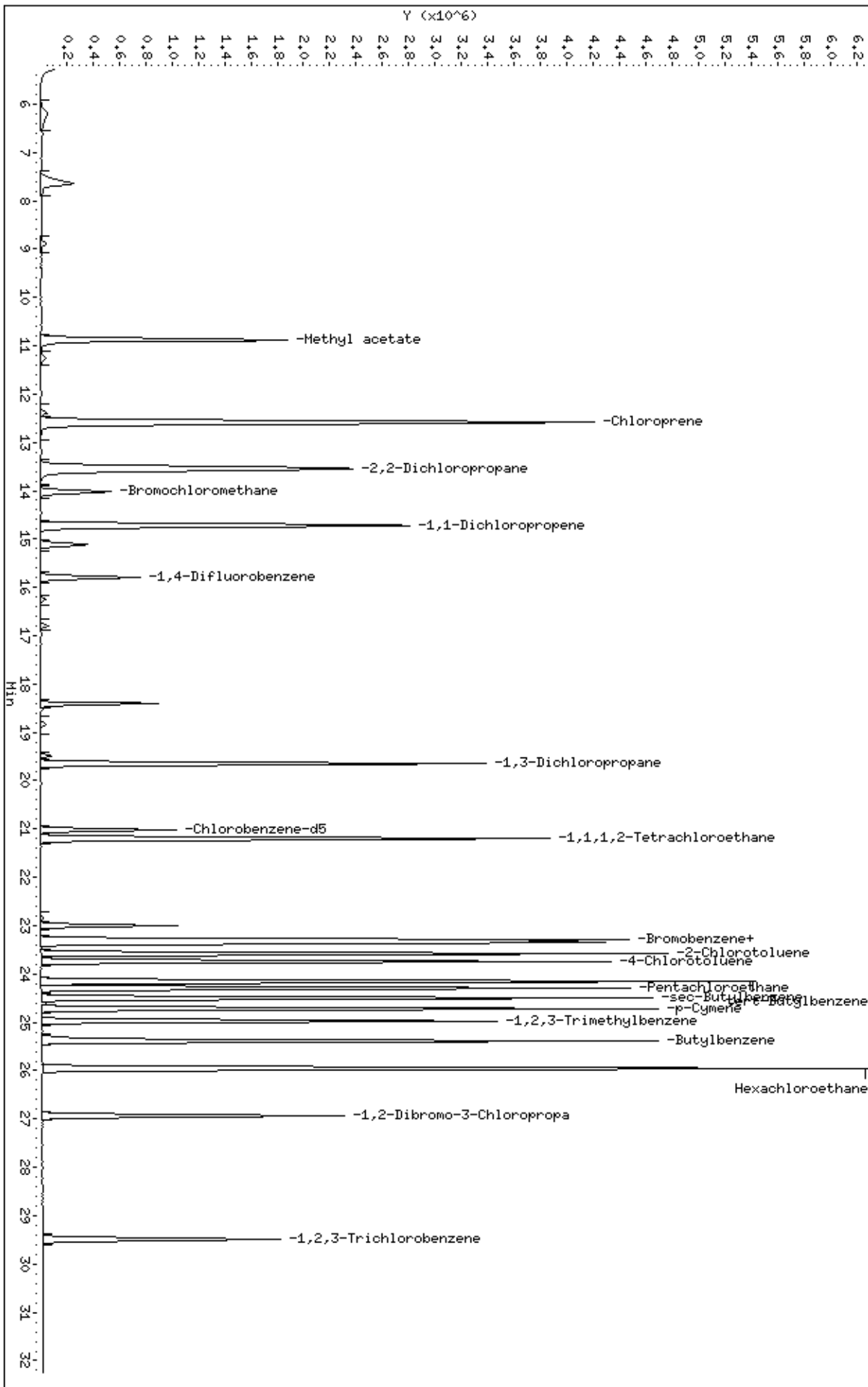
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/26Mar2007.b/t032606.d
Date: 26-Mar-2007 12:55
Client ID: Level 6
Sample Info: 100ml #1408-384A

Column phase: RTX-624

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

/chem/msdt.i/26Mar2007.b/t032606.d



Report Date: 07-Mar-2007 09:51

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

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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		

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

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

Report Date: 07-Mar-2007 09:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARYInstrument ID: msdt.i
Lab File ID: t030608.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srsCalibration Date: 06-MAR-2007
Calibration Time: 20:30
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv -> 100ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

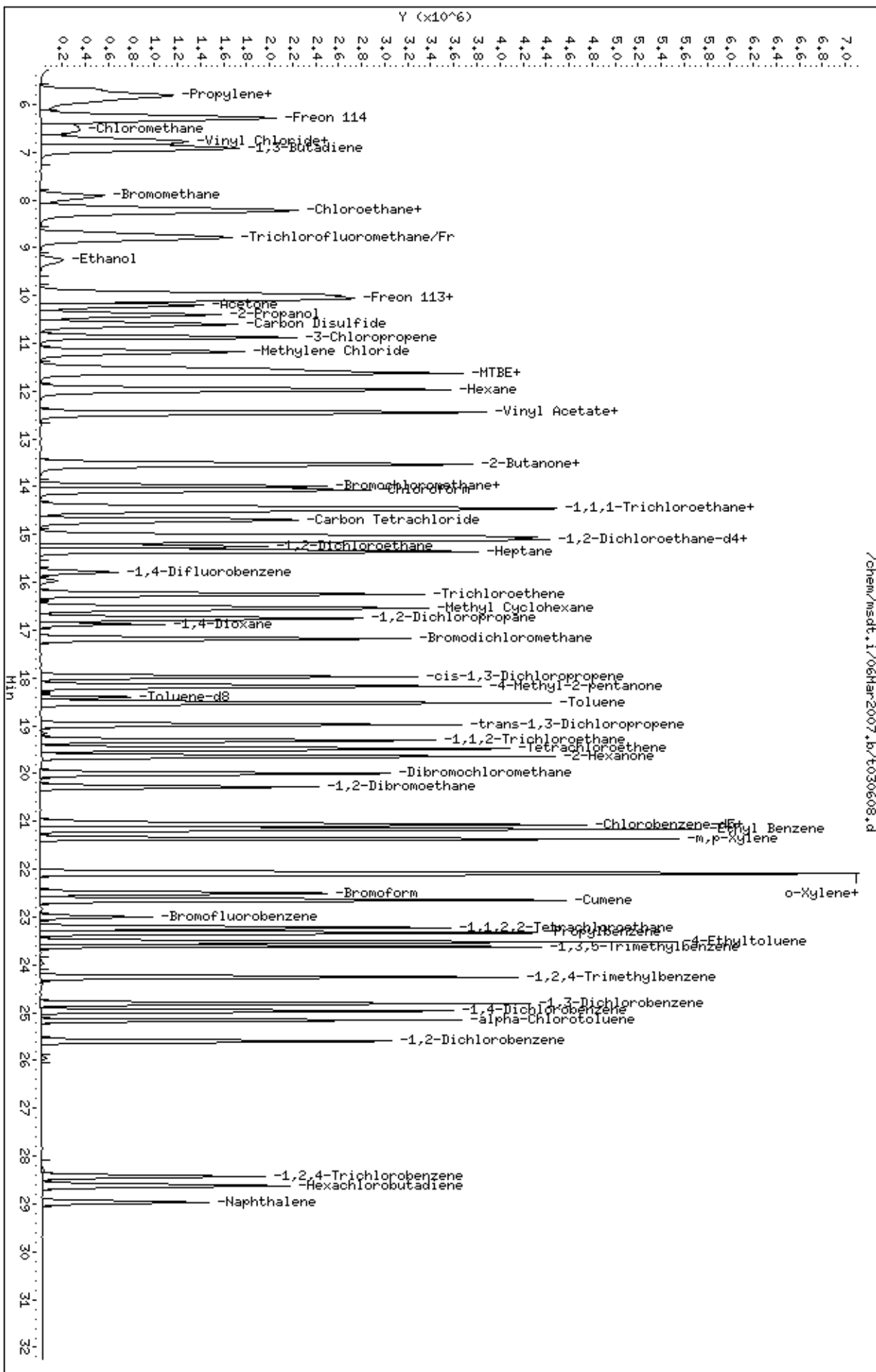
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

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

Column phase: RTX-624

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



Report Date: 16-Mar-2007 12:17

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

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

Report Date: 16-Mar-2007 12:17

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 15-MAR-2007

Lab File ID: t031504.d

Calibration Time: 12:47

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Mar2007.b/t14q306b.m

Misc Info: 200ppbv-200ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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/15Mar2007,b/t031504.d

Date : 15-Mar-2007 13:28

Client ID: Level 7

Sample Info: 200mL #1443-13

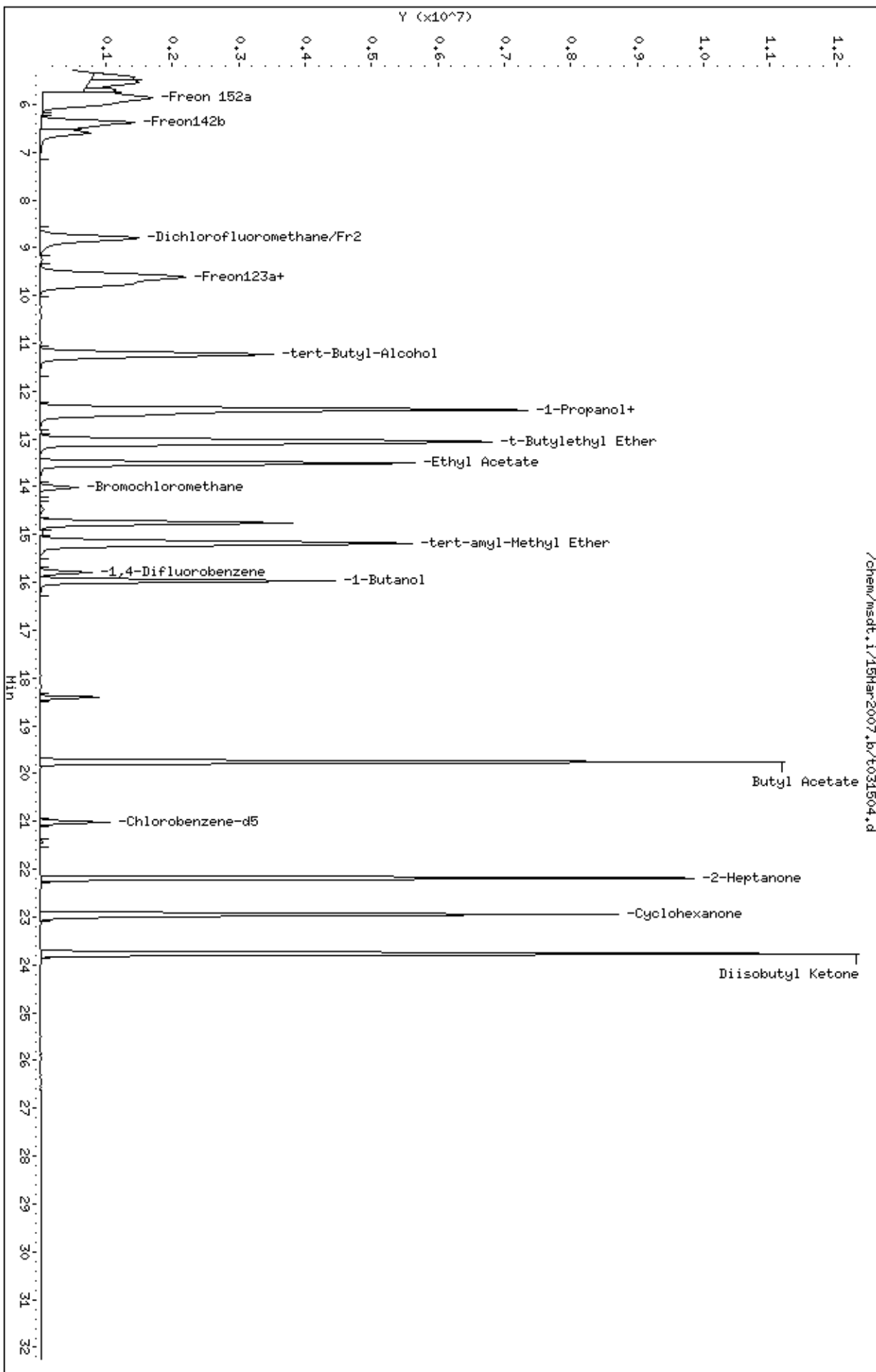
Column phase: RTX-624

Instrument: msdt,i

Operator: sjr

Column diameter: 0.53

Page 1



Report Date: 07-Mar-2007 09:51

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

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	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

Calibration Date: 06-MAR-2007

Lab File ID: t030609.d

Calibration Time: 20:30

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Mar2007.b/t14q306a.m

Misc Info: 200ppbv -> 200ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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

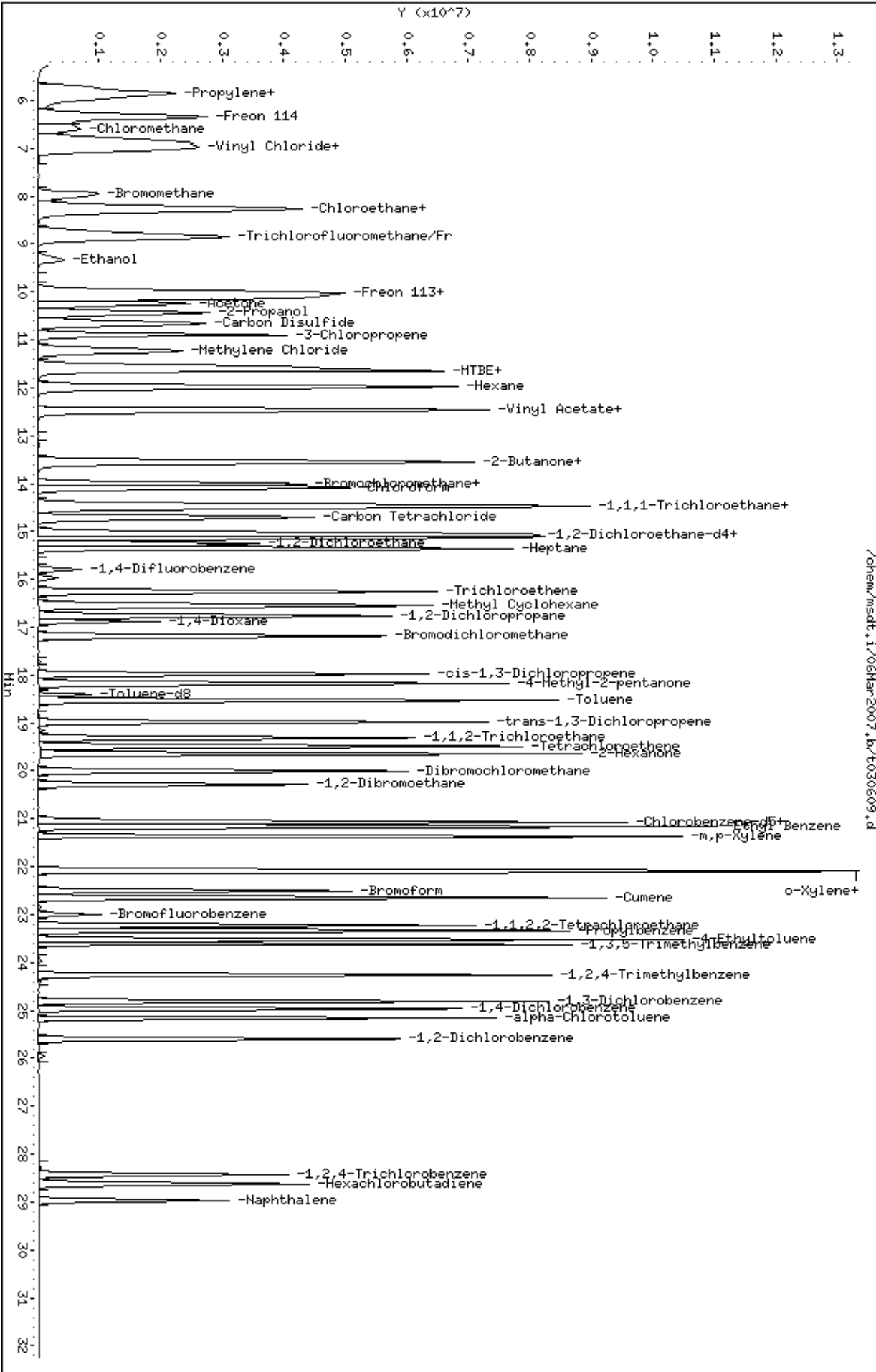
COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	14.02	13.69	14.35	14.02	0.00
97 1,4-Difluorobenze	15.79	15.46	16.12	15.79	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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.





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703617-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 09:04 AM

Compound	%Recovery
Freon 12	108
Freon 114	103
Vinyl Chloride	94
Bromomethane	100
Chloroethane	82
Freon 11	114
1,1-Dichloroethene	101
Freon 113	98
Methylene Chloride	100
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	100
Chloroform	102
1,1,1-Trichloroethane	110
Carbon Tetrachloride	115
Benzene	95
1,2-Dichloroethane	110
Trichloroethene	105
1,2-Dichloropropane	98
cis-1,3-Dichloropropene	103
Toluene	100
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	102
Tetrachloroethene	96
1,2-Dibromoethane (EDB)	105
Chlorobenzene	101
Ethyl Benzene	101
m,p-Xylene	98
o-Xylene	98
Styrene	88
1,1,2,2-Tetrachloroethane	99
1,3,5-Trimethylbenzene	91
1,2,4-Trimethylbenzene	90
1,3-Dichlorobenzene	91
1,4-Dichlorobenzene	90
alpha-Chlorotoluene	104
1,2-Dichlorobenzene	90
1,3-Butadiene	95
Hexane	91
Cyclohexane	99



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0703617-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040402	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 09:04 AM

Compound	%Recovery
Heptane	104
Bromodichloromethane	110
Dibromochloromethane	114
Cumene	85
Propylbenzene	96
Chloromethane	104
1,2,4-Trichlorobenzene	100
Hexachlorobutadiene	95
Acetone	92
Carbon Disulfide	100
2-Propanol	93
trans-1,2-Dichloroethene	100
2-Butanone (Methyl Ethyl Ketone)	93
Tetrahydrofuran	92
1,4-Dioxane	101
4-Methyl-2-pentanone	98
2-Hexanone	95
Bromoform	112
4-Ethyltoluene	97
Ethanol	89
Methyl tert-butyl ether	102
3-Chloropropene	93
2,2,4-Trimethylpentane	94
Naphthalene	98

Container Type: NA - Not Applicable

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

Report Date: 04-Apr-2007 09:34

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 04-APR-2007 09:04
 Lab File ID: t040402.d Init. Cal. Date(s): 06-MAR-2007 26-MAR-2007
 Analysis Type: AIR Init. Cal. Times: 16:57 12:55
 Lab Sample ID: ccv-1 Quant Type: ISTD
 Method: /chem/msdt.i/04Apr2007.b/t14q306c.m

COMPOUND	RRF / AMOUNT	RF50	MIN	MAX	CURVE TYPE	
			RRF	%D / %DRIFT	%D / %DRIFT	
\$ 90 1,2-Dichloroethane-d4	1.99620	2.04063	0.010	-2.22598	30.00000	Averaged
\$ 113 Toluene-d8	1.01973	1.02586	0.010	-0.60096	30.00000	Averaged
\$ 137 Bromofluorobenzene	0.45685	0.46475	0.010	-1.73100	30.00000	Averaged
11 Propylene	1.74308	1.68801	0.010	3.15959	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.88517	5.29638	0.010	-8.41750	30.00000	Averaged
16 Freon 114	2.95279	3.05287	0.010	-3.38932	30.00000	Averaged
18 Chloromethane	1.99316	2.06432	0.010	-3.57007	30.00000	Averaged
20 Vinyl Chloride	2.33267	2.19452	0.010	5.92250	30.00000	Averaged
22 1,3-Butadiene	2.52671	2.40894	0.010	4.66116	30.00000	Averaged
25 Bromomethane	1.70845	1.71381	0.010	-0.31373	30.00000	Averaged
27 Chloroethane	1.19997	0.98428	0.010	17.97491	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	5.80666	6.63973	0.010	-14.34697	30.00000	Averaged
38 Ethanol	0.96123	0.85445	0.010	11.10844	30.00000	Averaged
42 Freon 113	2.56340	2.51111	0.010	2.03983	30.00000	Averaged
43 1,1-Dichloroethene	4.28785	4.33198	0.010	-1.02909	30.00000	Averaged
45 Acetone	1.36515	1.25405	0.010	8.13851	30.00000	Averaged
46 2-Propanol	5.07802	4.71352	0.010	7.17803	30.00000	Averaged
47 Carbon Disulfide	6.38949	6.42605	0.010	-0.57221	30.00000	Averaged
51 3-Chloropropene	1.02359	0.94864	0.010	7.32294	30.00000	Averaged
54 Methylene Chloride	3.30095	3.29886	0.010	0.06332	30.00000	Averaged
60 MTBE	5.71957	5.84209	0.010	-2.14203	30.00000	Averaged
61 trans-1,2-Dichloroethene	2.12385	2.11325	0.010	0.49911	30.00000	Averaged
65 Hexane	4.62286	4.20837	0.010	8.96611	30.00000	Averaged
69 Vinyl Acetate	0.49407	0.47679	0.010	3.49761	30.00000	Averaged
70 1,1-Dichloroethane	4.84670	4.75547	0.010	1.88235	30.00000	Averaged
75 2-Butanone	0.98111	0.91641	0.010	6.59467	30.00000	Averaged
76 cis-1,2-Dichloroethene	3.51858	3.52329	0.010	-0.13404	30.00000	Averaged
80 Tetrahydrofuran	3.02817	2.79616	0.010	7.66189	30.00000	Averaged
82 Chloroform	4.20421	4.28290	0.010	-1.87169	30.00000	Averaged
83 1,1,1-Trichloroethane	3.59888	3.95320	0.010	-9.84524	30.00000	Averaged
85 Cyclohexane	2.38178	2.35092	0.010	1.29544	30.00000	Averaged
87 Carbon Tetrachloride	3.12605	3.59168	0.010	-14.89505	30.00000	Averaged
89 2,2,4-Trimethylpentane	11.04683	10.39006	0.010	5.94532	30.00000	Averaged
91 Benzene	1.48885	1.41797	0.010	4.76110	30.00000	Averaged
93 1,2-Dichloroethane	0.84194	0.92496	0.010	-9.86036	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 04-APR-2007 09:04
 Lab File ID: t040402.d Init. Cal. Date(s): 06-MAR-2007 26-MAR-2007
 Analysis Type: AIR Init. Cal. Times: 16:57 12:55
 Lab Sample ID: ccv-1 Quant Type: ISTD
 Method: /chem/msdt.i/04Apr2007.b/t14q306c.m

COMPOUND	RRF / AMOUNT	RF50	MIN	RRF	%D / %DRIFT	MAX	%D / %DRIFT	CURVE TYPE
94 Heptane	0.43429	0.45147	0.010	-3.95695	30.00000	Averaged		
101 Trichloroethene	0.54941	0.57782	0.010	-5.17114	30.00000	Averaged		
104 1,2-Dichloropropane	0.61162	0.60217	0.010	1.54433	30.00000	Averaged		
106 1,4-Dioxane	0.33235	0.33483	0.010	-0.74491	30.00000	Averaged		
107 Bromodichloromethane	0.99876	1.09866	0.010	-10.00221	30.00000	Averaged		
110 cis-1,3-Dichloropropene	0.75721	0.78165	0.010	-3.22681	30.00000	Averaged		
111 4-Methyl-2-pentanone	0.55478	0.54224	0.010	2.26069	30.00000	Averaged		
114 Toluene	1.42683	1.43314	0.010	-0.44191	30.00000	Averaged		
116 trans-1,3-Dichloropropene	0.99020	1.03740	0.010	-4.76673	30.00000	Averaged		
117 1,1,2-Trichloroethane	0.63375	0.64395	0.010	-1.60866	30.00000	Averaged		
120 Tetrachloroethene	0.74388	0.71414	0.010	3.99698	30.00000	Averaged		
121 2-Hexanone	0.93950	0.89082	0.010	5.18168	30.00000	Averaged		
122 Dibromochloromethane	0.96967	1.10304	0.010	-13.75429	30.00000	Averaged		
123 1,2-Dibromoethane	1.03719	1.09290	0.010	-5.37126	30.00000	Averaged		
127 Chlorobenzene	1.33559	1.35147	0.010	-1.18904	30.00000	Averaged		
128 Ethyl Benzene	0.72133	0.72606	0.010	-0.65541	30.00000	Averaged		
129 m,p-Xylene	0.91970	0.89991	0.010	2.15177	30.00000	Averaged		
130 o-Xylene	0.78738	0.76993	0.010	2.21724	30.00000	Averaged		
131 Styrene	1.42910	1.26458	0.010	11.51228	30.00000	Averaged		
133 Bromoform	0.71392	0.80290	0.010	-12.46404	30.00000	Averaged		
134 Cumene	2.39892	2.03293	0.010	15.25630	30.00000	Averaged		
140 1,1,2,2-Tetrachloroethane	1.19307	1.17955	0.010	1.13317	30.00000	Averaged		
142 Propylbenzene	2.49597	2.39177	0.010	4.17483	30.00000	Averaged		
145 4-Ethyltoluene	2.03706	1.97844	0.010	2.87747	30.00000	Averaged		
147 1,3,5-Trimethylbenzene	1.70239	1.55556	0.010	8.62507	30.00000	Averaged		
150 1,2,4-Trimethylbenzene	1.52746	1.37165	0.010	10.20068	30.00000	Averaged		
155 1,3-Dichlorobenzene	0.89815	0.81800	0.010	8.92366	30.00000	Averaged		
156 1,4-Dichlorobenzene	0.89614	0.81108	0.010	9.49130	30.00000	Averaged		
159 alpha-Chlorotoluene	1.27151	1.32985	0.010	-4.58828	30.00000	Averaged		
161 1,2-Dichlorobenzene	0.78204	0.70202	0.010	10.23211	30.00000	Averaged		
165 1,2,4-Trichlorobenzene	0.32590	0.32608	0.010	-0.05578	30.00000	Averaged		
166 Hexachlorobutadiene	0.28283	0.26884	0.010	4.94688	30.00000	Averaged		
29 Isopentane	3.39799	3.33753	0.010	1.77945	30.00000	Averaged		
19 Butane	0.54745	0.53917	0.010	1.51325	30.00000	Averaged		
102 Methyl Cyclohexane	2.71329	2.63602	0.010	2.84784	30.00000	Averaged		
167 Naphthalene	0.68317	0.66984	0.010	1.95015	30.00000	Averaged		

Report Date: 04-Apr-2007 09:34

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040402.d
 Lab Smp Id: ccv-1 Client Smp ID: ccv-1
 Inj Date : 04-APR-2007 09:04
 Operator : cb Inst ID: msdt.i
 Smp Info : 50mL#1487-115
 Misc Info : 200ppbv-50ppbv
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 09:34 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.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									
RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPBV)	CAL-AMT	ON-COL	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.024	14.024	(1.000)	130	256909	25.0000			80.00- 120.00	100.00
14.024	14.024	(1.000)	128	196613				26.53- 126.53	76.53
14.024	14.024	(1.000)	49	897233				299.24- 399.24	349.24

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794	(1.000)	114	938602	25.0000			80.00- 120.00	100.00
15.794	15.794	(1.000)	88	169806				0.00- 68.09	18.09

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019	(1.000)	117	776637	25.0000			80.00- 120.00	100.00
21.019	21.019	(1.000)	82	505451				14.12- 114.12	65.08

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.102	15.102	(1.077)	65	524257	25.0000	25.556		80.00- 120.00	100.00
15.102	15.102	(1.077)	67	284704				2.09- 102.09	54.31

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420	(1.166)	98	962873	25.0000	25.150		80.00- 120.00	100.00
18.420	18.420	(1.166)	70	122581				0.00- 63.13	12.73

AMOUNTS										
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO		
==	=====	=====	=====	=====	=====	=====	=====	=====		
\$ 113 Toluene-d8 (continued)										
18.420	18.420	(1.166)	100	682865			21.11- 121.11	70.92		

\$ 137 Bromofluorobenzene										
						CAS #: 460-00-4				
23.010	23.010	(1.095)	174	360945	25.0000	25.433	80.00- 120.00	100.00		
23.010	23.010	(1.095)	95	580817			110.92- 210.92	160.92		
23.010	23.010	(1.095)	176	344987			45.58- 145.58	95.58		

11 Propylene										
						CAS #: 115-07-1				
5.729	5.729	(0.409)	41	867330	50.0000	48.420	80.00- 120.00	100.00		
5.729	5.729	(0.409)	42	609226			22.02- 122.02	70.24		
5.729	5.729	(0.409)	39	695499			26.75- 126.75	80.19		

12 Dichlorodifluoromethane/Fr12										
						CAS #: 75-71-8				
5.867	5.867	(0.418)	85	2721375	50.0000	54.209	80.00- 120.00	100.00		
5.867	5.867	(0.418)	87	867542			0.00- 82.48	31.88		

16 Freon 114										
						CAS #: 76-14-2				
6.310	6.310	(0.450)	135	1568619	50.0000	51.695	80.00- 120.00	100.00		
6.310	6.310	(0.450)	137	487348			0.00- 81.07	31.07		

18 Chloromethane										
						CAS #: 74-87-3				
6.531	6.531	(0.466)	50	1060684	50.0000	51.785	80.00- 120.00	100.00		
6.531	6.531	(0.466)	52	361666			0.00- 84.39	34.10		

20 Vinyl Chloride										
						CAS #: 75-01-4				
6.863	6.863	(0.489)	62	1127584	50.0000	47.039	80.00- 120.00	100.00		
6.890	6.890	(0.491)	64	360577			0.00- 81.04	31.98		

22 1,3-Butadiene										
						CAS #: 106-99-0				
6.946	6.946	(0.495)	54	1237757	50.0000	47.669	80.00- 120.00	100.00		
6.946	6.946	(0.495)	39	1259581			49.39- 149.39	101.76		

25 Bromomethane										
						CAS #: 74-83-9				
7.941	7.941	(0.566)	94	880584	50.0000	50.157	80.00- 120.00	100.00		
7.941	7.941	(0.566)	96	824148			43.59- 143.59	93.59		

27 Chloroethane										
						CAS #: 75-00-3				
8.245	8.245	(0.588)	64	505741	50.0000	41.012	80.00- 120.00	100.00		
8.245	8.245	(0.588)	49	179467			0.00- 80.33	35.49		
8.245	8.245	(0.588)	66	153902			0.00- 80.46	30.43		

31 Trichlorofluoromethane/Fr11										
						CAS #: 75-69-4				
8.826	8.826	(0.629)	101	3411615	50.0000	57.173	80.00- 120.00	100.00		
8.826	8.826	(0.629)	103	2195026			14.34- 114.34	64.34		

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.268	9.268	(0.661)	45	439031	50.0000	44.446	80.00- 120.00	100.00	
9.268	9.268	(0.661)	43	101361			0.00- 72.89	23.09	
9.268	9.268	(0.661)	46	168075			0.00- 87.99	38.28	

42 Freon 113						CAS #: 76-13-1			
9.987	9.987	(0.712)	151	1290255	50.0000	48.980	80.00- 120.00	100.00	
9.987	9.987	(0.712)	153	823117			13.79- 113.79	63.79	
9.987	9.987	(0.712)	101	1999202			104.95- 204.95	154.95	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.098	10.098	(0.720)	61	2225847	50.0000	50.514	80.00- 120.00	100.00	
10.098	10.098	(0.720)	96	950864			0.00- 92.72	42.72	
10.098	10.098	(0.720)	98	605749			0.00- 77.21	27.21	

45 Acetone						CAS #: 67-64-1			
10.236	10.236	(0.730)	58	644352	50.0000	45.931	80.00- 120.00	100.00	
10.236	10.236	(0.730)	43	2355991			279.16- 379.16	365.64	

46 2-Propanol						CAS #: 67-63-0			
10.430	10.430	(0.744)	45	2421890	50.0000	46.411	80.00- 120.00	100.00	
10.430	10.430	(0.744)	43	576938			0.00- 73.03	23.82	
10.430	10.430	(0.744)	59	85237			0.00- 53.87	3.52	

47 Carbon Disulfide						CAS #: 75-15-0			
10.623	10.623	(0.757)	76	3301819	50.0000	50.286	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.872	10.872	(0.775)	76	487427	50.0000	46.338	80.00- 120.00	100.00	
10.872	10.872	(0.775)	41	1848366			323.54- 423.54	379.21	

54 Methylene Chloride						CAS #: 75-09-2			
11.204	11.204	(0.799)	49	1695016	50.0000	49.968	80.00- 120.00	100.00	
11.204	11.204	(0.799)	84	892968			2.68- 102.68	52.68	
11.204	11.204	(0.799)	51	519257			0.00- 81.31	30.63	

60 MTBE						CAS #: 1634-04-4			
11.563	11.563	(0.825)	73	3001769	50.0000	51.071	80.00- 120.00	100.00	
11.563	11.563	(0.825)	57	866935			0.00- 78.88	28.88	
11.563	11.563	(0.825)	41	905860			0.00- 80.57	30.18	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.646	11.646	(0.830)	96	1085825	50.0000	49.750	80.00- 120.00	100.00	
11.618	11.618	(0.828)	61	2111335			144.45- 244.45	194.45	
11.646	11.646	(0.830)	98	675946			11.26- 111.26	62.25	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
65 Hexane						CAS #: 110-54-3			
11.978	11.978	(0.854)	57	2162336	50.0000	45.517	80.00- 120.00	100.00	
11.978	11.978	(0.854)	43	1378908			13.33- 113.33	63.77	
11.978	11.978	(0.854)	86	251988			0.00- 61.32	11.65	

69 Vinyl Acetate						CAS #: 108-05-4			
12.448	12.448	(0.888)	86	244981	50.0000	48.251	80.00- 120.00	100.00	
12.448	12.448	(0.888)	43	3752404			1516.61-1616.61	1531.71	

70 1,1-Dichloroethane						CAS #: 75-34-3			
12.476	12.476	(0.890)	63	2443446	50.0000	49.059	80.00- 120.00	100.00	
12.476	12.476	(0.890)	65	729734			0.00- 79.86	29.86	

75 2-Butanone						CAS #: 78-93-3			
13.526	13.526	(0.964)	72	470867	50.0000	46.703	80.00- 120.00	100.00	
13.526	13.526	(0.964)	43	2670538			517.15- 617.15	567.15	
13.526	13.526	(0.964)	57	211242			0.00- 98.33	44.86	

76 cis-1,2-Dichloroethene						CAS #: 156-59-2			
13.554	13.554	(0.966)	61	1810332	50.0000	50.067	80.00- 120.00	100.00	
13.554	13.554	(0.966)	96	995111			4.97- 104.97	54.97	
13.554	13.554	(0.966)	98	634010			0.00- 85.02	35.02	

80 Tetrahydrofuran						CAS #: 109-99-9			
13.996	13.996	(0.998)	42	1436716	50.0000	46.169	80.00- 120.00	100.00	
13.996	13.996	(0.998)	71	423993			0.00- 79.51	29.51	
14.024	14.024	(1.000)	72	470285			0.00- 81.04	32.73	

82 Chloroform						CAS #: 67-66-3			
14.079	14.079	(1.004)	83	2200633	50.0000	50.936	80.00- 120.00	100.00	
14.107	14.107	(1.006)	85	1418104			14.44- 114.44	64.44	

83 1,1,1-Trichloroethane						CAS #: 71-55-6			
14.466	14.466	(1.032)	97	2031223	50.0000	54.923	80.00- 120.00	100.00	
14.466	14.466	(1.032)	99	1312388			14.61- 114.61	64.61	

85 Cyclohexane						CAS #: 110-82-7			
14.466	14.466	(1.032)	84	1207946	50.0000	49.352	80.00- 120.00	100.00	
14.466	14.466	(1.032)	56	1908448			107.99- 207.99	157.99	
14.466	14.466	(1.032)	41	1114813			42.29- 142.29	92.29	

87 Carbon Tetrachloride						CAS #: 56-23-5			
14.715	14.715	(1.049)	119	1845469	50.0000	57.448	80.00- 120.00	100.00	
14.715	14.715	(1.049)	117	1927754			54.46- 154.46	104.46	

89 2,2,4-Trimethylpentane						CAS #: 540-84-1			
15.047	15.047	(1.073)	57	5338601	50.0000	47.027	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
89 2,2,4-Trimethylpentane (continued)									
15.047	15.047	(1.073)	56	1755357			0.00- 82.94	32.88	
15.047	15.047	(1.073)	41	1548759			0.00- 78.78	29.01	

91 Benzene CAS #: 71-43-2									
15.130	15.130	(0.958)	78	2661811	50.0000	47.619	80.00- 120.00	100.00	
15.130	15.130	(0.958)	77	592772			0.00- 72.47	22.27	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.241	15.241	(0.965)	62	1736342	50.0000	54.930	80.00- 120.00	100.00	
15.241	15.241	(0.965)	64	542241			0.00- 82.37	31.23	

94 Heptane CAS #: 142-82-5									
15.351	15.351	(0.972)	71	847508	50.0000	51.978	80.00- 120.00	100.00	
15.351	15.351	(0.972)	43	2059637			207.18- 307.18	243.02	
15.351	15.351	(0.972)	57	1086796			87.26- 187.26	128.23	

101 Trichloroethene CAS #: 79-01-6									
16.264	16.264	(1.030)	95	1084682	50.0000	52.586	80.00- 120.00	100.00	
16.264	16.264	(1.030)	130	948146			37.41- 137.41	87.41	
16.264	16.264	(1.030)	97	703938			14.90- 114.90	64.90	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.761	16.761	(1.061)	63	1130403	50.0000	49.228	80.00- 120.00	100.00	
16.761	16.761	(1.061)	62	820413			22.58- 122.58	72.58	
16.761	16.761	(1.061)	41	859232			26.01- 126.01	76.01	

106 1,4-Dioxane CAS #: 123-91-1									
16.872	16.872	(1.068)	88	628537	50.0000	50.372	80.00- 120.00	100.00	
16.872	16.872	(1.068)	58	551162			37.69- 137.69	87.69	
16.872	16.872	(1.068)	57	199055			0.00- 83.16	31.67	

107 Bromodichloromethane CAS #: 75-27-4									
17.176	17.176	(1.088)	83	2062405	50.0000	55.001	80.00- 120.00	100.00	
17.204	17.204	(1.089)	85	1317101			13.86- 113.86	63.86	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.978	17.978	(1.138)	75	1467312	50.0000	51.613	80.00- 120.00	100.00	
17.978	17.978	(1.138)	77	464747			0.00- 81.67	31.67	
17.978	17.978	(1.138)	39	1184495			30.73- 130.73	80.73	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.171	18.171	(1.151)	58	1017886	50.0000	48.870	80.00- 120.00	100.00	
18.171	18.171	(1.151)	43	2752566			214.50- 314.50	270.42	
18.171	18.171	(1.151)	85	323196			0.00- 81.42	31.75	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.531	18.531	(1.173)	91	2690291	50.0000	50.221	80.00- 120.00	100.00	
18.531	18.531	(1.173)	92	1677879			12.37- 112.37	62.37	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.973	18.973	(0.903)	75	1611371	50.0000	52.383	80.00- 120.00	100.00	
18.973	18.973	(0.903)	77	503696			0.00- 81.26	31.26	
18.973	18.973	(0.903)	39	1194052			24.10- 124.10	74.10	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.333	19.333	(0.920)	97	1000229	50.0000	50.804	80.00- 120.00	100.00	
19.333	19.333	(0.920)	99	632668			13.25- 113.25	63.25	
19.333	19.333	(0.920)	83	916833			41.66- 141.66	91.66	

120 Tetrachloroethene						CAS #: 127-18-4			
19.499	19.499	(0.928)	166	1109261	50.0000	48.002	80.00- 120.00	100.00	
19.499	19.499	(0.928)	129	916241			32.60- 132.60	82.60	
19.499	19.499	(0.928)	131	885819			29.86- 129.86	79.86	

121 2-Hexanone						CAS #: 591-78-6			
19.637	19.637	(0.934)	58	1383682	50.0000	47.409	80.00- 120.00	100.00	
19.637	19.637	(0.934)	43	2749407			148.70- 248.70	198.70	
19.637	19.637	(0.934)	100	182212			0.00- 62.47	13.17	

122 Dibromochloromethane						CAS #: 124-48-1			
20.024	20.024	(0.953)	129	1713330	50.0000	56.877	80.00- 120.00	100.00	
20.024	20.024	(0.953)	127	1334886			27.43- 127.43	77.91	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.273	20.273	(0.964)	107	1697578	50.0000	52.686	80.00- 120.00	100.00	
20.273	20.273	(0.964)	109	1592254			43.80- 143.80	93.80	

127 Chlorobenzene						CAS #: 108-90-7			
21.075	21.075	(1.003)	112	2099210	50.0000	50.594	80.00- 120.00	100.00	
21.075	21.075	(1.003)	114	661570			0.00- 81.52	31.52	
21.075	21.075	(1.003)	77	1471055			20.08- 120.08	70.08	

128 Ethyl Benzene						CAS #: 100-41-4			
21.158	21.158	(1.007)	106	1127769	50.0000	50.328	80.00- 120.00	100.00	
21.158	21.158	(1.007)	91	3538729			274.56- 374.56	313.78	

129 m,p-Xylene						CAS #: 108-38-3			
21.351	21.351	(1.016)	106	1397812	50.0000	48.924	80.00- 120.00	100.00	
21.351	21.351	(1.016)	91	2836020			152.08- 252.08	202.89	

130 o-Xylene						CAS #: 95-47-6			
22.070	22.070	(1.050)	106	1195906	50.0000	48.891	80.00- 120.00	100.00	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
130 o-Xylene (continued)									
22.070	22.070	(1.050)	91	2548273			163.08- 263.08	213.08	

131 Styrene CAS #: 100-42-5									
22.098	22.098	(1.051)	104	1964237	50.0000	44.244	80.00- 120.00	100.00	
22.098	22.098	(1.051)	78	1117883			6.91- 106.91	56.91	

133 Bromoform CAS #: 75-25-2									
22.512	22.512	(1.071)	173	1247123	50.0000	56.232	80.00- 120.00	100.00	
22.512	22.512	(1.071)	171	647205			1.90- 101.90	51.90	

134 Cumene CAS #: 98-82-8									
22.651	22.651	(1.078)	105	3157700	50.0000	42.372	80.00- 120.00	100.00	
22.651	22.651	(1.078)	120	766331			0.00- 75.41	24.27	
22.651	22.651	(1.078)	51	496058			0.00- 66.31	15.71	

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.231	23.231	(1.105)	83	1832172	50.0000	49.433	80.00- 120.00	100.00	
23.231	23.231	(1.105)	85	1174306			14.09- 114.09	64.09	

142 Propylbenzene CAS #: 103-65-1									
23.342	23.342	(1.110)	91	3715070	50.0000	47.912	80.00- 120.00	100.00	
23.342	23.342	(1.110)	120	764432			0.00- 70.26	20.58	
23.342	23.342	(1.110)	105	134659			0.00- 53.59	3.62	

145 4-Ethyltoluene CAS #: 622-96-8									
23.508	23.508	(1.118)	105	3073063	50.0000	48.561	80.00- 120.00	100.00	
23.508	23.508	(1.118)	120	846774			0.00- 77.55	27.55	

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.618	23.618	(1.124)	105	2416207	50.0000	45.687	80.00- 120.00	100.00	
23.618	23.618	(1.124)	120	1078983			0.00- 95.48	44.66	

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.254	24.254	(1.154)	105	2130544	50.0000	44.900	80.00- 120.00	100.00	
24.254	24.254	(1.154)	120	909692			0.00- 92.02	42.70	

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.807	24.807	(1.180)	146	1270584	50.0000	45.538	80.00- 120.00	100.00	
24.807	24.807	(1.180)	148	802941			14.53- 114.53	63.19	
24.807	24.807	(1.180)	111	570063			0.00- 93.95	44.87	

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.973	24.973	(1.188)	146	1259832	50.0000	45.254	80.00- 120.00	100.00	
24.973	24.973	(1.188)	148	799998			12.92- 112.92	63.50	
24.973	24.973	(1.188)	111	542866			0.00- 91.79	43.09	

AMOUNTS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	CAL-AMT (PPEV)	ON-COL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

159 alpha-Chlorotoluene						CAS #: 100-44-7			
25.167	25.167	(1.197)	91	2065626	50.0000	52.294	80.00- 120.00	100.00	
25.167	25.167	(1.197)	126	369637			0.00- 68.68	17.89	

161 1,2-Dichlorobenzene						CAS #: 95-50-1			
25.609	25.609	(1.218)	146	1090425	50.0000	44.884	80.00- 120.00	100.00	
25.609	25.609	(1.218)	148	693805			13.63- 113.63	63.63	
25.609	25.609	(1.218)	111	507897			0.00- 96.58	46.58	

165 1,2,4-Trichlorobenzene						CAS #: 120-82-1			
28.429	28.429	(1.353)	180	506493	50.0000	50.028	80.00- 120.00	100.00	
28.429	28.429	(1.353)	182	485403			45.84- 145.84	95.84	

166 Hexachlorobutadiene						CAS #: 87-68-3			
28.623	28.623	(1.362)	225	417576	50.0000	47.526	80.00- 120.00	100.00	
28.623	28.623	(1.362)	223	262501			14.02- 114.02	62.86	

29 Isopentane						CAS #: 78-78-4			
8.245	8.245	(0.588)	43	1714881	50.0000	49.110	80.00- 120.00	100.00	
8.245	8.245	(0.588)	57	1186385			22.27- 122.27	69.18	

19 Butane						CAS #: 106-97-8			
6.780	6.780	(0.483)	58	277034	50.0000	49.243	80.00- 120.00	100.00	
6.780	6.780	(0.483)	43	2234755			714.53- 814.53	806.67	

102 Methyl Cyclohexane						CAS #: 108-87-2			
16.540	16.540	(1.179)	83	1354432	50.0000	48.576	80.00- 120.00	100.00	
16.540	16.540	(1.179)	98	583151			0.00- 93.15	43.06	
16.540	16.540	(1.179)	55	1577941			73.55- 173.55	116.50	

167 Naphthalene						CAS #: 91-20-3			
28.982	28.982	(1.379)	128	1040451	50.0000	49.025	80.00- 120.00	100.00	
28.982	28.982	(1.379)	127	129660			0.00- 63.00	12.46	

Report Date: 04-Apr-2007 09:34

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 04-APR-2007

Lab File ID: t040402.d

Calibration Time: 09:04

Lab Smp Id: ccv-1

Client Smp ID: ccv-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m

Misc Info: 200ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	256909	0.00
97 1,4-Difluorobenze	938602	563161	1314043	938602	0.00
126 Chlorobenzene-d5	776637	465982	1087292	776637	0.00

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

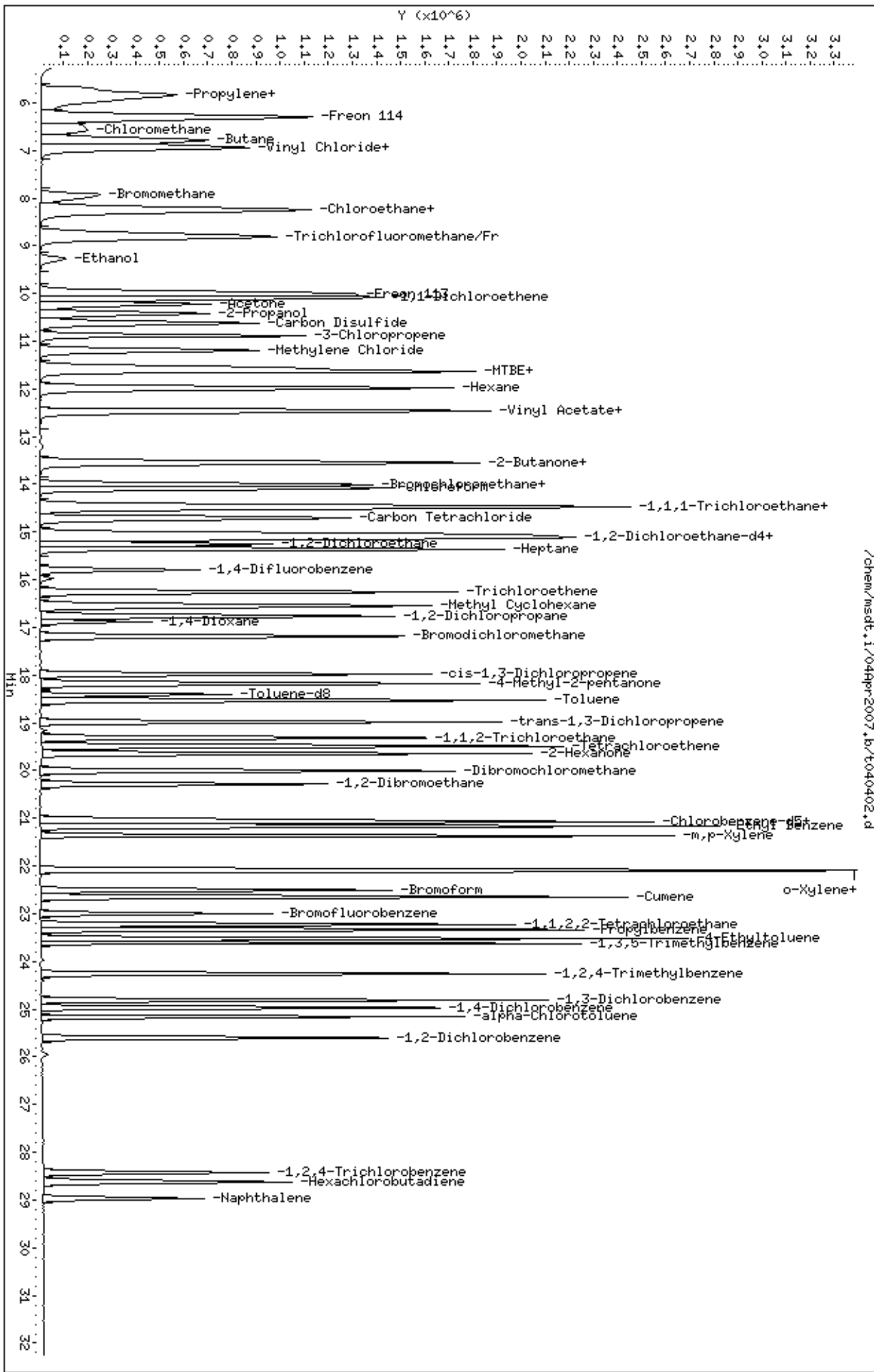
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/04Apr2007,b/t040402.d
 Date: 04-Apr-2007 09:04
 Client ID: cov-1
 Sample Info: 50ml#1487-115

Column phase: RTX-624

Instrument: msdt,i
 Operator: cb
 Column diameter: 0.53



/chem/msdt,i/04Apr2007,b/t040402.d



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703617-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 09:58 AM

Compound	%Recovery
Freon 12	81
Freon 114	68 Q
Vinyl Chloride	74
Bromomethane	86
Chloroethane	72
Freon 11	98
1,1-Dichloroethene	101
Freon 113	98
Methylene Chloride	91
1,1-Dichloroethane	91
cis-1,2-Dichloroethene	90
Chloroform	89
1,1,1-Trichloroethane	92
Carbon Tetrachloride	95
Benzene	87
1,2-Dichloroethane	101
Trichloroethene	94
1,2-Dichloropropane	89
cis-1,3-Dichloropropene	92
Toluene	94
trans-1,3-Dichloropropene	98
1,1,2-Trichloroethane	96
Tetrachloroethene	91
1,2-Dibromoethane (EDB)	95
Chlorobenzene	93
Ethyl Benzene	90
m,p-Xylene	89
o-Xylene	91
Styrene	83
1,1,2,2-Tetrachloroethane	91
1,3,5-Trimethylbenzene	84
1,2,4-Trimethylbenzene	82
1,3-Dichlorobenzene	85
1,4-Dichlorobenzene	84
alpha-Chlorotoluene	100
1,2-Dichlorobenzene	84
1,3-Butadiene	80
Hexane	84
Cyclohexane	84



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0703617-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	t040403	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/4/07 09:58 AM

Compound	%Recovery
Heptane	93
Bromodichloromethane	98
Dibromochloromethane	106
Cumene	80
Propylbenzene	90
Chloromethane	72
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	92
Acetone	91
Carbon Disulfide	90
2-Propanol	94
trans-1,2-Dichloroethene	89
2-Butanone (Methyl Ethyl Ketone)	86
Tetrahydrofuran	85
1,4-Dioxane	89
4-Methyl-2-pentanone	89
2-Hexanone	94
Bromoform	105
4-Ethyltoluene	90
Ethanol	95
Methyl tert-butyl ether	92
3-Chloropropene	85
2,2,4-Trimethylpentane	84
Naphthalene	102

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 04Apr2007
 Sample Matrix: GAS Fraction: VOA
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Level: LOW Operator: cb
 Data Type: MS DATA SampleType: LCS
 SpikeList File: 2926Spectra.spk Quant Type: ISTD
 Sublist File: AT04ENSR.sub
 Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m
 Misc Info: 100ppbv-50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	40.739	81.48	70-130
16 Freon 114	50.000	34.039	68.08*	70-130
18 Chloromethane	50.000	36.205	72.41	70-130
20 Vinyl Chloride	50.000	36.775	73.55	70-130
22 1,3-Butadiene	50.000	40.129	80.26	60-140
25 Bromomethane	50.000	42.960	85.92	70-130
27 Chloroethane	50.000	36.275	72.55	70-130
31 Trichlorofluoromet	50.000	48.797	97.59	70-130
38 Ethanol	50.000	47.589	95.18	60-140
42 Freon 113	50.000	49.119	98.24	70-130
43 1,1-Dichloroethene	50.000	50.649	101.30	70-130
45 Acetone	50.000	45.419	90.84	60-140
47 Carbon Disulfide	50.000	44.796	89.59	60-140
46 2-Propanol	50.000	46.854	93.71	60-140
54 Methylene Chloride	50.000	45.444	90.89	70-130
60 MTBE	50.000	45.792	91.58	60-140
61 trans-1,2-Dichloro	50.000	44.455	88.91	60-140
65 Hexane	50.000	42.097	84.19	60-140
70 1,1-Dichloroethane	50.000	45.384	90.77	70-130
76 cis-1,2-Dichloroet	50.000	45.056	90.11	70-130
75 2-Butanone	50.000	43.052	86.10	60-140
80 Tetrahydrofuran	50.000	42.572	85.14	60-140
82 Chloroform	50.000	44.502	89.00	70-130
85 Cyclohexane	50.000	42.036	84.07	60-140
83 1,1,1-Trichloroeth	50.000	46.030	92.06	70-130
87 Carbon Tetrachlori	50.000	47.728	95.46	70-130
91 Benzene	50.000	43.527	87.05	70-130
93 1,2-Dichloroethane	50.000	50.308	100.62	70-130
94 Heptane	50.000	46.410	92.82	60-140
101 Trichloroethene	50.000	46.985	93.97	70-130
104 1,2-Dichloropropan	50.000	44.653	89.31	70-130
106 1,4-Dioxane	50.000	44.732	89.46	60-140
107 Bromodichlorometha	50.000	48.806	97.61	60-140

Report Date: 04-Apr-2007 10:43

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	46.151	92.30	70-130
111 4-Methyl-2-pentano	50.000	44.714	89.43	60-140
114 Toluene	50.000	47.068	94.14	70-130
116 trans-1,3-Dichloro	50.000	48.877	97.75	70-130
117 1,1,2-Trichloroeth	50.000	47.864	95.73	70-130
120 Tetrachloroethene	50.000	45.588	91.18	70-130
121 2-Hexanone	50.000	46.995	93.99	60-140
122 Dibromochlorometha	50.000	52.767	105.53	60-140
123 1,2-Dibromoethane	50.000	47.317	94.63	70-130
127 Chlorobenzene	50.000	46.342	92.68	70-130
128 Ethyl Benzene	50.000	45.291	90.58	70-130
129 m,p-Xylene	50.000	44.474	88.95	70-130
130 o-Xylene	50.000	45.691	91.38	70-130
131 Styrene	50.000	41.320	82.64	70-130
133 Bromoform	50.000	52.436	104.87	60-140
140 1,1,2,2-Tetrachlor	50.000	45.429	90.86	70-130
145 4-Ethyltoluene	50.000	45.112	90.22	60-140
147 1,3,5-Trimethylben	50.000	41.951	83.90	70-130
150 1,2,4-Trimethylben	50.000	41.219	82.44	70-130
155 1,3-Dichlorobenzen	50.000	42.620	85.24	70-130
156 1,4-Dichlorobenzen	50.000	41.800	83.60	70-130
159 alpha-Chlorotoluen	50.000	50.115	100.23	70-130
161 1,2-Dichlorobenzen	50.000	41.852	83.70	70-130
165 1,2,4-Trichloroben	50.000	48.099	96.20	70-130
166 Hexachlorobutadien	50.000	45.791	91.58	70-130
142 Propylbenzene	50.000	45.021	90.04	60-140
134 Cumene	50.000	40.169	80.34	60-140
51 3-Chloropropene	50.000	42.719	85.44	60-140
89 2,2,4-Trimethylpen	50.000	41.816	83.63	60-140
19 Butane	50.000	41.520	83.04	70-130
29 Isopentane	50.000	47.273	94.55	70-130
102 Methyl Cyclohexane	50.000	41.554	83.11	70-130
11 Propylene	50.000	39.920	79.84	60-140
167 Naphthalene	25.000	25.486	101.94	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
\$ 90 1,2-Dichloroethane	25.000	24.376	97.51	70-130
\$ 113 Toluene-d8	25.000	24.388	97.55	70-130
\$ 137 Bromofluorobenzene	25.000	24.725	98.90	70-130

Report Date: 04-Apr-2007 10:43

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/04Apr2007.b/t040403.d
 Lab Smp Id: lcs-1 Client Smp ID: lcs-1
 Inj Date : 04-APR-2007 09:58
 Operator : cb Inst ID: msdt.i
 Smp Info : 100mL#1408-386A
 Misc Info : 100ppbv-50ppbv
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/t14q306c.m
 Meth Date : 04-Apr-2007 10:42 kreier Quant Type: ISTD
 Cal Date : 26-MAR-2007 12:55 Cal File: t032606.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		TARGET RANGE		RATIO	
RT	EXP RT (REL RT)	MASS	RESPONSE (PPBV)	(PPBV)					
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
* 81 Bromochloromethane CAS #: 74-97-5									
14.024	14.024 (1.000)	130	275151	25.0000		80.00-	120.00	100.00	
14.024	14.024 (1.000)	128	212892			26.53-	126.53	77.37	
14.024	14.024 (1.000)	49	929680			299.24-	399.24	337.88	

* 97 1,4-Difluorobenzene CAS #: 540-36-3									
15.794	15.794 (1.000)	114	974254	25.0000		80.00-	120.00	100.00	
15.794	15.794 (1.000)	88	180525			0.00-	68.09	18.53	

* 126 Chlorobenzene-d5 CAS #: 3114-55-4									
21.019	21.019 (1.000)	117	767591	25.0000		80.00-	120.00	100.00	
21.019	21.019 (1.000)	82	499913			14.12-	114.12	65.13	

\$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0									
15.102	15.102 (1.077)	65	535556	24.3764	24.376	80.00-	120.00	100.00	
15.102	15.102 (1.077)	67	280039			2.09-	102.09	52.29	

\$ 113 Toluene-d8 CAS #: 2037-26-5									
18.420	18.420 (1.166)	98	969154	24.3879	24.388	80.00-	120.00	100.00	
18.420	18.420 (1.166)	70	124821			0.00-	63.13	12.88	

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	(REL RT)	MASS	RESPONSE	(PPEV)	(PPBV)	TARGET RANGE	RATIO
==	=====	=====	=====	=====	=====	=====	=====	=====

\$ 113 Toluene-d8 (continued)

18.420	18.420	(1.166)	100	696124			21.11- 121.11	71.83
--------	--------	---------	-----	--------	--	--	---------------	-------

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

23.010	23.010	(1.095)	174	346817	24.7253	24.725	80.00- 120.00	100.00
23.010	23.010	(1.095)	95	561520			110.92- 210.92	161.91
23.010	23.010	(1.095)	176	337387			45.58- 145.58	97.28

11 Propylene

CAS #: 115-07-1

5.757	5.729	(0.410)	41	765850	39.9203	39.920	80.00- 120.00	100.00
5.785	5.729	(0.412)	42	541236			22.02- 122.02	70.67
5.757	5.729	(0.410)	39	612149			26.75- 126.75	79.93

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

5.867	5.867	(0.418)	85	2190402	40.7393	40.739	80.00- 120.00	100.00
5.867	5.867	(0.418)	87	724075			0.00- 82.48	33.06

16 Freon 114

CAS #: 76-14-2

6.310	6.310	(0.450)	135	1106207	34.0387	34.039	80.00- 120.00	100.00(R)
6.310	6.310	(0.450)	137	354955			0.00- 81.07	32.09

18 Chloromethane

CAS #: 74-87-3

6.586	6.531	(0.470)	50	794224	36.2051	36.205	80.00- 120.00	100.00
6.586	6.531	(0.470)	52	273538			0.00- 84.39	34.44

20 Vinyl Chloride

CAS #: 75-01-4

6.890	6.863	(0.491)	62	944141	36.7749	36.775	80.00- 120.00	100.00
6.890	6.863	(0.491)	64	303149			0.00- 81.04	32.11

22 1,3-Butadiene

CAS #: 106-99-0

6.973	6.946	(0.497)	54	1115948	40.1288	40.129	80.00- 120.00	100.00
6.973	6.946	(0.497)	39	1119731			49.39- 149.39	100.34

25 Bromomethane

CAS #: 74-83-9

7.941	7.941	(0.566)	94	807780	42.9597	42.960	80.00- 120.00	100.00
7.941	7.941	(0.566)	96	759008			43.59- 143.59	93.96

27 Chloroethane

CAS #: 75-00-3

8.245	8.245	(0.588)	64	479081	36.2749	36.275	80.00- 120.00	100.00
8.245	8.245	(0.588)	49	172492			0.00- 80.33	36.00
8.273	8.245	(0.590)	66	147000			0.00- 80.46	30.68

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

8.826	8.826	(0.629)	101	3118535	48.7970	48.797	80.00- 120.00	100.00
8.826	8.826	(0.629)	103	2017265			14.34- 114.34	64.69

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
38 Ethanol						CAS #: 64-17-5			
9.296	9.268	(0.663)	45	503461	47.5893	47.589	80.00- 120.00	100.00	
9.296	9.268	(0.663)	43	116795			0.00- 72.89	23.20	
9.296	9.268	(0.663)	46	191416			0.00- 87.99	38.02	

42 Freon 113						CAS #: 76-13-1			
10.015	9.987	(0.714)	151	1385782	49.1187	49.119	80.00- 120.00	100.00	
10.015	9.987	(0.714)	153	879895			13.79- 113.79	63.49	
9.987	9.987	(0.712)	101	2124623			104.95- 204.95	153.32	

43 1,1-Dichloroethene						CAS #: 75-35-4			
10.098	10.098	(0.720)	61	2390227	50.6487	50.649	80.00- 120.00	100.00	
10.098	10.098	(0.720)	96	1036858			0.00- 92.72	43.38	
10.098	10.098	(0.720)	98	657217			0.00- 77.21	27.50	

45 Acetone						CAS #: 67-64-1			
10.236	10.236	(0.730)	58	682412	45.4188	45.419	80.00- 120.00	100.00	
10.236	10.236	(0.730)	43	2446758			279.16- 379.16	358.55	

46 2-Propanol						CAS #: 67-63-0			
10.430	10.430	(0.744)	45	2618633	46.8543	46.854	80.00- 120.00	100.00	
10.430	10.430	(0.744)	43	597001			0.00- 73.03	22.80	
10.430	10.430	(0.744)	59	89488			0.00- 53.87	3.42	

47 Carbon Disulfide						CAS #: 75-15-0			
10.623	10.623	(0.757)	76	3150220	44.7965	44.796	80.00- 120.00	100.00	

51 3-Chloropropene						CAS #: 107-05-1			
10.872	10.872	(0.775)	76	481259	42.7189	42.719	80.00- 120.00	100.00	
10.872	10.872	(0.775)	41	1858186			323.54- 423.54	386.11	

54 Methylene Chloride						CAS #: 75-09-2			
11.204	11.204	(0.799)	49	1651021	45.4446	45.444	80.00- 120.00	100.00	
11.204	11.204	(0.799)	84	847675			2.68- 102.68	51.34	
11.204	11.204	(0.799)	51	505699			0.00- 81.31	30.63	

60 MTBE						CAS #: 1634-04-4			
11.563	11.563	(0.825)	73	2882597	45.7920	45.792	80.00- 120.00	100.00	
11.563	11.563	(0.825)	57	861573			0.00- 78.88	29.89	
11.563	11.563	(0.825)	41	869672			0.00- 80.57	30.17	

61 trans-1,2-Dichloroethene						CAS #: 156-60-5			
11.646	11.646	(0.830)	96	1039152	44.4554	44.455	80.00- 120.00	100.00	
11.646	11.646	(0.830)	61	2058181			144.45- 244.45	198.06	
11.646	11.646	(0.830)	98	660441			11.26- 111.26	63.56	

CONCENTRATIONS										
RT	EXP RT	(REL RT)	MASS	ON-COL		FINAL	TARGET RANGE	RATIO		
				RESPONSE	(PPEV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====	
65 Hexane						CAS #: 110-54-3				
11.978	11.978	(0.854)	57	2141880	42.0972	42.097	80.00- 120.00	100.00		
11.978	11.978	(0.854)	43	1371032			13.33- 113.33	64.01		
11.978	11.978	(0.854)	86	251569			0.00- 61.32	11.75		

69 Vinyl Acetate						CAS #: 108-05-4				
12.476	12.448	(0.890)	86	240331	44.1971	44.197	80.00- 120.00	100.00		
12.448	12.448	(0.888)	43	3777811			1516.61-1616.61	1571.92		

70 1,1-Dichloroethane						CAS #: 75-34-3				
12.476	12.476	(0.890)	63	2420894	45.3835	45.384	80.00- 120.00	100.00		
12.476	12.476	(0.890)	65	720586			0.00- 79.86	29.77		

75 2-Butanone						CAS #: 78-93-3				
13.526	13.526	(0.964)	72	464881	43.0520	43.052	80.00- 120.00	100.00		
13.526	13.526	(0.964)	43	2701282			517.15- 617.15	581.07		
13.526	13.526	(0.964)	57	209394			0.00- 98.33	45.04		

76 cis-1,2-Dichloroethene						CAS #: 156-59-2				
13.554	13.554	(0.966)	61	1744806	45.0556	45.056	80.00- 120.00	100.00		
13.554	13.554	(0.966)	96	951187			4.97- 104.97	54.52		
13.554	13.554	(0.966)	98	617086			0.00- 85.02	35.37		

80 Tetrahydrofuran						CAS #: 109-99-9				
13.996	13.996	(0.998)	42	1418848	42.5720	42.572	80.00- 120.00	100.00		
14.024	13.996	(1.000)	71	414572			0.00- 79.51	29.22		
14.024	13.996	(1.000)	72	443319			0.00- 81.04	31.24		

82 Chloroform						CAS #: 67-66-3				
14.107	14.079	(1.006)	83	2059177	44.5018	44.502	80.00- 120.00	100.00		
14.107	14.079	(1.006)	85	1339070			14.44- 114.44	65.03		

83 1,1,1-Trichloroethane						CAS #: 71-55-6				
14.466	14.466	(1.032)	97	1823205	46.0296	46.030	80.00- 120.00	100.00		
14.466	14.466	(1.032)	99	1174217			14.61- 114.61	64.40		

85 Cyclohexane						CAS #: 110-82-7				
14.466	14.466	(1.032)	84	1101944	42.0366	42.036	80.00- 120.00	100.00		
14.466	14.466	(1.032)	56	1792225			107.99- 207.99	162.64		
14.466	14.466	(1.032)	41	1051251			42.29- 142.29	95.40		

87 Carbon Tetrachloride						CAS #: 56-23-5				
14.715	14.715	(1.049)	119	1642109	47.7282	47.728	80.00- 120.00	100.00		
14.715	14.715	(1.049)	117	1728826			54.46- 154.46	105.28		

89 2,2,4-Trimethylpentane						CAS #: 540-84-1				
15.047	15.047	(1.073)	57	5084085	41.8161	41.816	80.00- 120.00	100.00		

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	
89 2,2,4-Trimethylpentane (continued)									
15.047	15.047	(1.073)	56	1674587			0.00- 82.94	32.94	
15.047	15.047	(1.073)	41	1465923			0.00- 78.78	28.83	

91 Benzene CAS #: 71-43-2									
15.130	15.130	(0.958)	78	2525482	43.5272	43.527	80.00- 120.00	100.00	
15.130	15.130	(0.958)	77	560876			0.00- 72.47	22.21	

93 1,2-Dichloroethane CAS #: 107-06-2									
15.241	15.241	(0.965)	62	1650629	50.3077	50.308	80.00- 120.00	100.00	
15.241	15.241	(0.965)	64	510240			0.00- 82.37	30.91	

94 Heptane CAS #: 142-82-5									
15.351	15.351	(0.972)	71	785467	46.4106	46.410	80.00- 120.00	100.00	
15.351	15.351	(0.972)	43	1982741			207.18- 307.18	252.43	
15.351	15.351	(0.972)	57	1039982			87.26- 187.26	132.40	

101 Trichloroethene CAS #: 79-01-6									
16.264	16.264	(1.030)	95	1005968	46.9848	46.985	80.00- 120.00	100.00	
16.264	16.264	(1.030)	130	896343			37.41- 137.41	89.10	
16.264	16.264	(1.030)	97	648124			14.90- 114.90	64.43	

104 1,2-Dichloropropane CAS #: 78-87-5									
16.761	16.761	(1.061)	63	1064298	44.6529	44.653	80.00- 120.00	100.00	
16.761	16.761	(1.061)	62	770767			22.58- 122.58	72.42	
16.761	16.761	(1.061)	41	811584			26.01- 126.01	76.26	

106 1,4-Dioxane CAS #: 123-91-1									
16.900	16.872	(1.070)	88	579359	44.7321	44.732	80.00- 120.00	100.00	
16.872	16.872	(1.068)	58	527583			37.69- 137.69	91.06	
16.872	16.872	(1.068)	57	187979			0.00- 83.16	32.45	

107 Bromodichloromethane CAS #: 75-27-4									
17.204	17.176	(1.089)	83	1899602	48.8056	48.806	80.00- 120.00	100.00	
17.204	17.176	(1.089)	85	1218052			13.86- 113.86	64.12	

110 cis-1,3-Dichloropropene CAS #: 10061-01-5									
17.978	17.978	(1.138)	75	1361871	46.1514	46.151	80.00- 120.00	100.00	
17.978	17.978	(1.138)	77	432756			0.00- 81.67	31.78	
17.978	17.978	(1.138)	39	1118810			30.73- 130.73	82.15	

111 4-Methyl-2-pentanone CAS #: 108-10-1									
18.171	18.171	(1.151)	58	966710	44.7142	44.714	80.00- 120.00	100.00	
18.171	18.171	(1.151)	43	2673510			214.50- 314.50	276.56	
18.171	18.171	(1.151)	85	312796			0.00- 81.42	32.36	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE	ON-COL (PPEV)	FINAL (PPBV)	TARGET RANGE	RATIO	
==	=====	=====	=====	=====	=====	=====	=====	=====	

114 Toluene						CAS #: 108-88-3			
18.531	18.531	(1.173)	91	2617178	47.0683	47.068	80.00- 120.00	100.00	
18.531	18.531	(1.173)	92	1617994			12.37- 112.37	61.82	

116 trans-1,3-Dichloropropene						CAS #: 10061-02-6			
18.973	18.973	(0.903)	75	1485996	48.8769	48.877	80.00- 120.00	100.00	
18.973	18.973	(0.903)	77	463587			0.00- 81.26	31.20	
18.973	18.973	(0.903)	39	1116402			24.10- 124.10	75.13	

117 1,1,2-Trichloroethane						CAS #: 79-00-5			
19.333	19.333	(0.920)	97	931367	47.8641	47.864	80.00- 120.00	100.00	
19.333	19.333	(0.920)	99	577388			13.25- 113.25	61.99	
19.333	19.333	(0.920)	83	849187			41.66- 141.66	91.18	

120 Tetrachloroethene						CAS #: 127-18-4			
19.499	19.499	(0.928)	166	1041211	45.5877	45.588	80.00- 120.00	100.00	
19.499	19.499	(0.928)	129	867000			32.60- 132.60	83.27	
19.499	19.499	(0.928)	131	821145			29.86- 129.86	78.86	

121 2-Hexanone						CAS #: 591-78-6			
19.637	19.637	(0.934)	58	1355616	46.9949	46.995	80.00- 120.00	100.00	
19.637	19.637	(0.934)	43	2709144			148.70- 248.70	199.85	
19.637	19.637	(0.934)	100	175351			0.00- 62.47	12.94	

122 Dibromochloromethane						CAS #: 124-48-1			
20.024	20.024	(0.953)	129	1570995	52.7667	52.767	80.00- 120.00	100.00	
20.024	20.024	(0.953)	127	1204510			27.43- 127.43	76.67	

123 1,2-Dibromoethane						CAS #: 106-93-4			
20.273	20.273	(0.964)	107	1506832	47.3168	47.317	80.00- 120.00	100.00	
20.273	20.273	(0.964)	109	1426024			43.80- 143.80	94.64	

127 Chlorobenzene						CAS #: 108-90-7			
21.075	21.075	(1.003)	112	1900376	46.3421	46.342	80.00- 120.00	100.00	
21.075	21.075	(1.003)	114	605866			0.00- 81.52	31.88	
21.075	21.075	(1.003)	77	1342592			20.08- 120.08	70.65	

128 Ethyl Benzene						CAS #: 100-41-4			
21.158	21.158	(1.007)	106	1003074	45.2906	45.291	80.00- 120.00	100.00	
21.158	21.158	(1.007)	91	3189889			274.56- 374.56	318.01	

129 m,p-Xylene						CAS #: 108-38-3			
21.351	21.351	(1.016)	106	1255872	44.4742	44.474	80.00- 120.00	100.00	
21.351	21.351	(1.016)	91	2515861			152.08- 252.08	200.33	

130 o-Xylene						CAS #: 95-47-6			
22.070	22.070	(1.050)	106	1104601	45.6908	45.691	80.00- 120.00	100.00	

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====
130 o-Xylene (continued)									
22.070	22.070	(1.050)	91	2326901				163.08- 263.08	210.66

131 Styrene CAS #: 100-42-5									
22.098	22.098	(1.051)	104	1813052	41.3197	41.320		80.00- 120.00	100.00
22.098	22.098	(1.051)	78	1029007				6.91- 106.91	56.76

133 Bromoform CAS #: 75-25-2									
22.512	22.512	(1.071)	173	1149396	52.4363	52.436		80.00- 120.00	100.00
22.512	22.512	(1.071)	171	596871				1.90- 101.90	51.93

134 Cumene CAS #: 98-82-8									
22.651	22.651	(1.078)	105	2958665	40.1690	40.169		80.00- 120.00	100.00
22.651	22.651	(1.078)	120	721819				0.00- 75.41	24.40
22.651	22.651	(1.078)	51	469850				0.00- 66.31	15.88

140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5									
23.231	23.231	(1.105)	83	1664132	45.4287	45.429		80.00- 120.00	100.00
23.231	23.231	(1.105)	85	1058038				14.09- 114.09	63.58

142 Propylbenzene CAS #: 103-65-1									
23.342	23.342	(1.110)	91	3450192	45.0209	45.021		80.00- 120.00	100.00
23.342	23.342	(1.110)	120	716857				0.00- 70.26	20.78
23.342	23.342	(1.110)	105	128136				0.00- 53.59	3.71

145 4-Ethyltoluene CAS #: 622-96-8									
23.508	23.508	(1.118)	105	2821540	45.1121	45.112		80.00- 120.00	100.00
23.508	23.508	(1.118)	120	793151				0.00- 77.55	28.11

147 1,3,5-Trimethylbenzene CAS #: 108-67-8									
23.618	23.618	(1.124)	105	2192754	41.9509	41.951		80.00- 120.00	100.00
23.618	23.618	(1.124)	120	984983				0.00- 95.48	44.92

150 1,2,4-Trimethylbenzene CAS #: 95-63-6									
24.254	24.254	(1.154)	105	1933126	41.2193	41.219		80.00- 120.00	100.00
24.254	24.254	(1.154)	120	832567				0.00- 92.02	43.07

155 1,3-Dichlorobenzene CAS #: 541-73-1									
24.807	24.807	(1.180)	146	1175323	42.6204	42.620		80.00- 120.00	100.00
24.807	24.807	(1.180)	148	736980				14.53- 114.53	62.70
24.807	24.807	(1.180)	111	516622				0.00- 93.95	43.96

156 1,4-Dichlorobenzene CAS #: 106-46-7									
24.973	24.973	(1.188)	146	1150110	41.7999	41.800		80.00- 120.00	100.00
24.973	24.973	(1.188)	148	731189				12.92- 112.92	63.58
24.973	24.973	(1.188)	111	489514				0.00- 91.79	42.56

CONCENTRATIONS									
RT	EXP RT	(REL RT)	MASS	RESPONSE		ON-COL	FINAL	TARGET RANGE	RATIO
				(PPEV)	(PPBV)				
==	=====	=====	=====	=====	=====	=====	=====	=====	=====

159 alpha-Chlorotoluene					CAS #: 100-44-7				
25.167	25.167	(1.197)	91	1956481	50.1147	50.115	80.00-	120.00	100.00
25.167	25.167	(1.197)	126	362040			0.00-	68.68	18.50

161 1,2-Dichlorobenzene					CAS #: 95-50-1				
25.609	25.609	(1.218)	146	1004927	41.8522	41.852	80.00-	120.00	100.00
25.609	25.609	(1.218)	148	635793			13.63-	113.63	63.27
25.609	25.609	(1.218)	111	463449			0.00-	96.58	46.12

165 1,2,4-Trichlorobenzene					CAS #: 120-82-1				
28.429	28.429	(1.353)	180	481292	48.0990	48.099	80.00-	120.00	100.00
28.429	28.429	(1.353)	182	454806			45.84-	145.84	94.50

166 Hexachlorobutadiene					CAS #: 87-68-3				
28.623	28.623	(1.362)	225	397640	45.7909	45.791	80.00-	120.00	100.00
28.623	28.623	(1.362)	223	251744			14.02-	114.02	63.31

29 Isopentane					CAS #: 78-78-4				
8.245	8.245	(0.588)	43	1767943	47.2732	47.273	80.00-	120.00	100.00
8.245	8.245	(0.588)	57	1200364			22.27-	122.27	67.90

19 Butane					CAS #: 106-97-8				
6.808	6.780	(0.485)	58	250168	41.5197	41.520	80.00-	120.00	100.00
6.808	6.780	(0.485)	43	2045756			714.53-	814.53	817.75

102 Methyl Cyclohexane					CAS #: 108-87-2				
16.540	16.540	(1.179)	83	1240903	41.5539	41.554	80.00-	120.00	100.00
16.540	16.540	(1.179)	98	535999			0.00-	93.15	43.19
16.540	16.540	(1.179)	55	1472266			73.55-	173.55	118.64

167 Naphthalene					CAS #: 91-20-3				
28.982	28.982	(1.379)	128	534586	25.4860	25.486	80.00-	120.00	100.00
28.982	28.982	(1.379)	127	69238			0.00-	63.00	12.95

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 04-Apr-2007 10:43

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 04-APR-2007

Lab File ID: t040403.d

Calibration Time: 09:04

Lab Smp Id: lcs-1

Client Smp ID: lcs-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: cb

Method File: /chem/msdt.i/04Apr2007.b/t14q306c.m

Misc Info: 100ppbv-50ppbv

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
81 Bromochloromethan	256909	154145	359673	275151	7.10
97 1,4-Difluorobenze	938602	563161	1314043	974254	3.80
126 Chlorobenzene-d5	776637	465982	1087292	767591	-1.16

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
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.

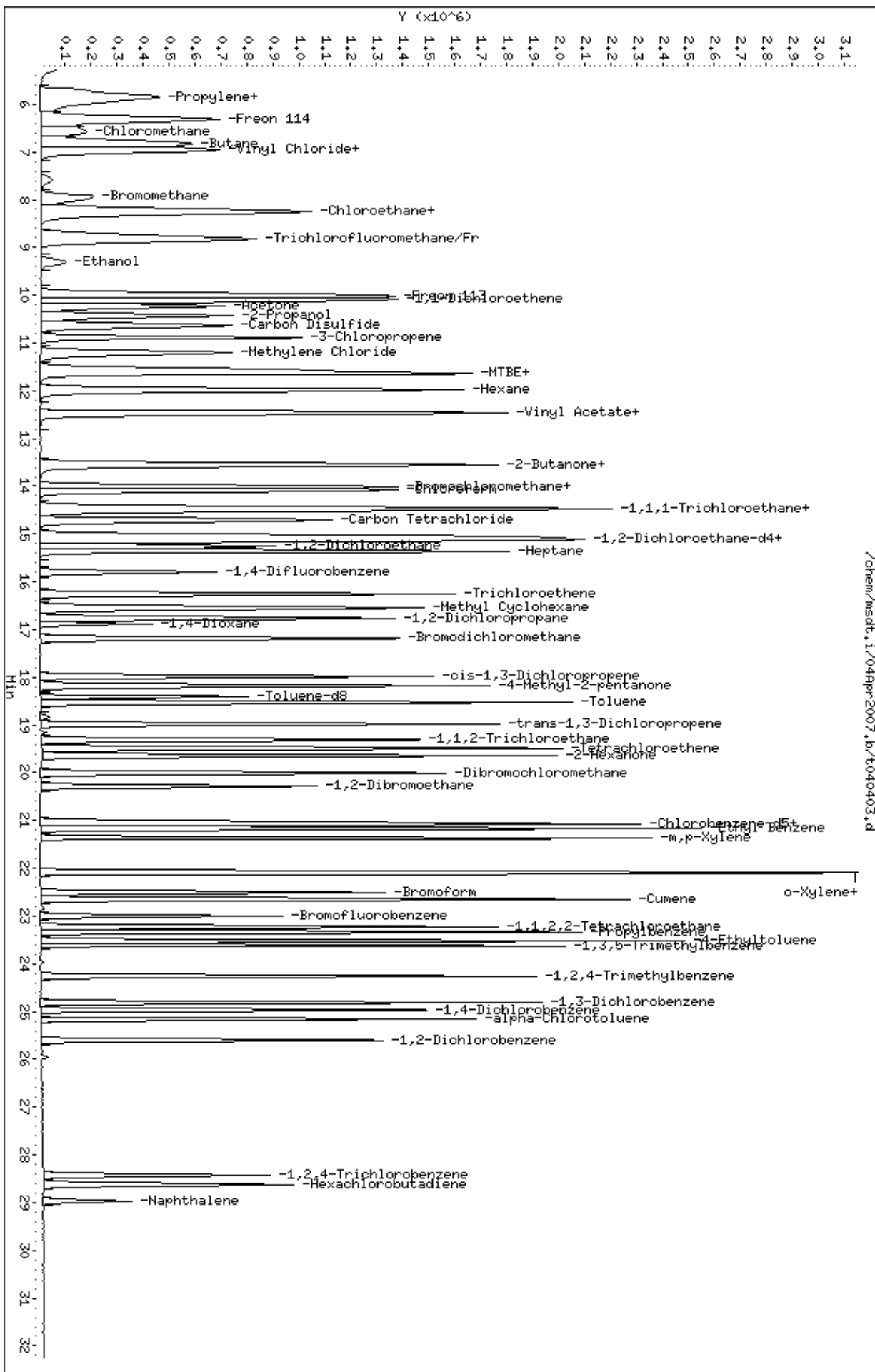
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/04Apr2007,b/t040403.d
Date: 04-Apr-2007 09:58
Client ID: 1os-1
Sample Info: 100mL#1408-386A

Column phase: RTX-624

Instrument: msdt,i
Operator: cb
Column diameter: 0.53



/chem/msdt,i/04Apr2007,b/t040403.d

@ Air Toxics Ltd.

MSD-1

Logbook #: 1533

m/z **ION ABUNDANCE CRITERIA** % REL. ABUNDANCE

50	15.0 - 40.0% of mass 95	32.37
75	30.0 - 60.0% of mass 95	55.10
95	Base peak, 100.00% relative abundance	100.00
96	5.0 - 9.0% of mass 95	6.71
173	Less than 2.0% of mass 174	(0.76) ¹
174	Greater than 50.0% of mass 95	55.86
175	5.0 - 9.0% of mass 174	(6.97) ¹
176	Greater than 95.0% but less than 101.0% of mass 174	(96.23) ¹
177	5.0 - 9.0% of mass 176	(6.44) ²

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

Verify 176/174 m/z Ratio: $\frac{268573}{279088} \times 100 = 96.23$

BFB Injection Date: 4/4/07 Logbook #: 1533
 BFB Injection Time: 0829
 BFB File ID: E040401
 Tekmar Purge Flow: NA
 Vacuum: NA

IS/S Std. #:	<u>1487-110</u>	Exp. Date:	<u>6/6/08</u>
BCM	<u>256909</u>		<u>5/25/07</u>
1,4-DFB	<u>938602</u>		
CB-d5	<u>776637</u>		

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

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Areas}} \times \text{Conc. is} \times \text{RRF} = \frac{(962873)}{(938602)} \times (25.0) \times (1.01973) = 25.150$

Reported Result 25.150

File ID:	<u>E040402</u>
Compound:	<u>toluene-d8</u>
Initials:	<u>CB</u>

ps	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	E040401	BFB Tune Check	843-2914	50mg	2.0mL	1.00	CB	4/4/07	0829	CB/fo	
2	02	CCV-1 (200 ppbv)	1487-115	50 ppbv	50mL	1.00	CB		0904	CB/fo	
3	03	CS-1 (100 ppbv)	1488-3884	50 ppbv	100mL	1.00	CB		0958	fo	
4	04	Lab Blank	31437	Howard	200mL	1.00	fo		1114	CB/fo	
5	05	0703617-01A	3707	5" ID 50 psi	200mL	1.71	CB		1211	CB/fo	
6	06	1 - 01AA	↓	↓	↓	↓	CB		1305	CB/fo	
7	07	1 - 02A	31141	5" ID 50 psi	200mL	1.68	CB		1378	fo	
8	08	2741MS1 0703617-01A	12042	Howard - 15 psi	200mL	1.94	fo				
9											

Signature: [Signature] Date: 4/4/07 Revision 1/8/2007 Page 107

Report Date: 06-Mar-2007 15:34

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 FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

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

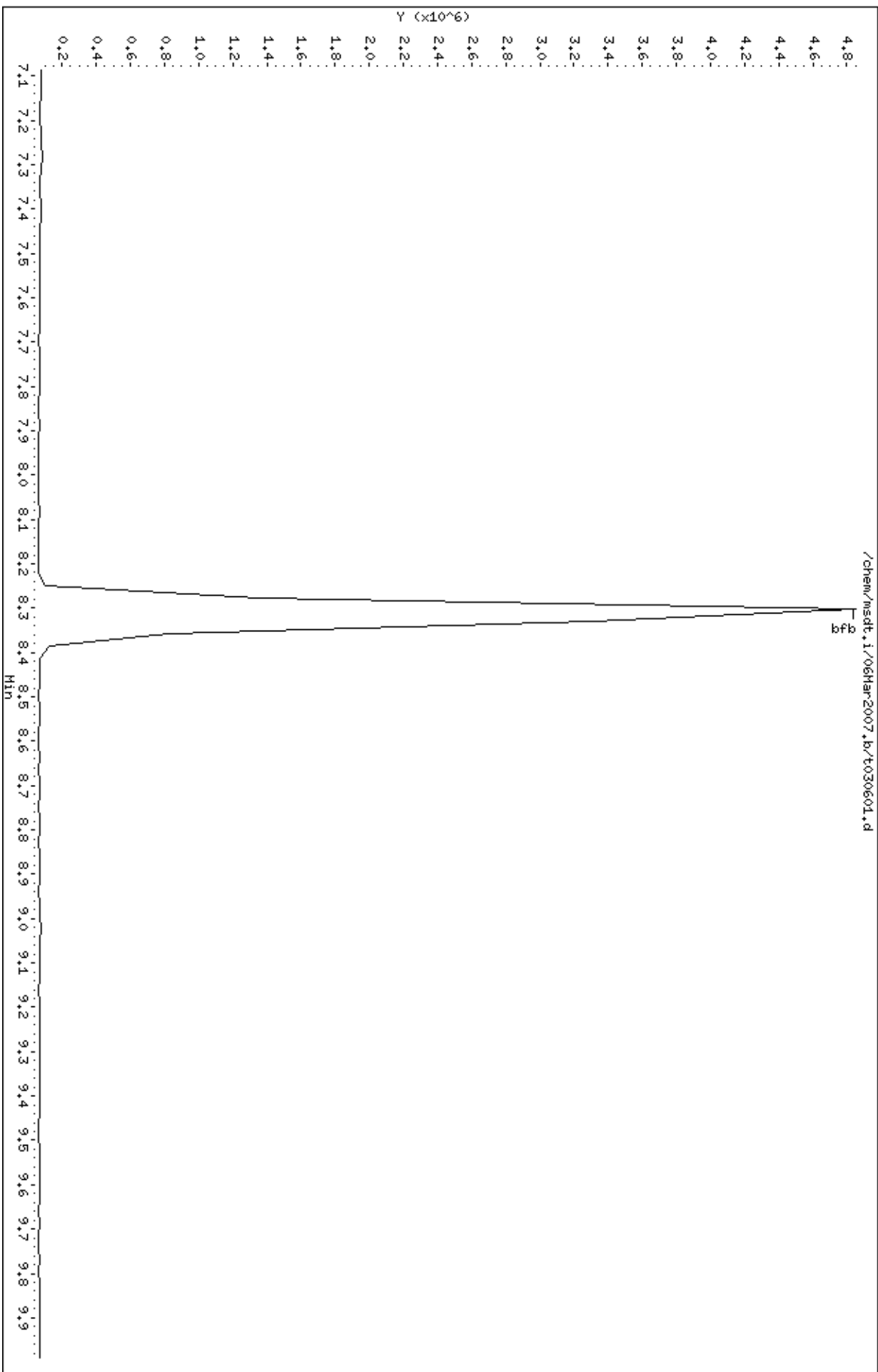
Column phase: RTX-624

Instrument: msdt,i

Operator: sjr

Column diameter: 0.53

Page 1



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

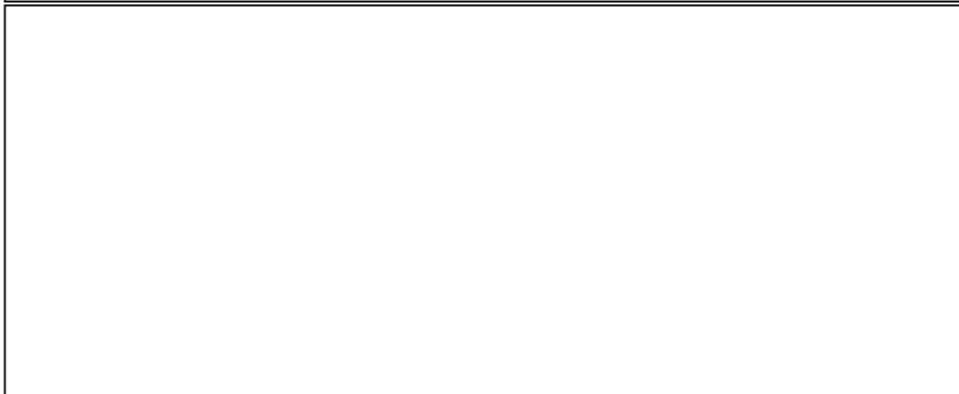
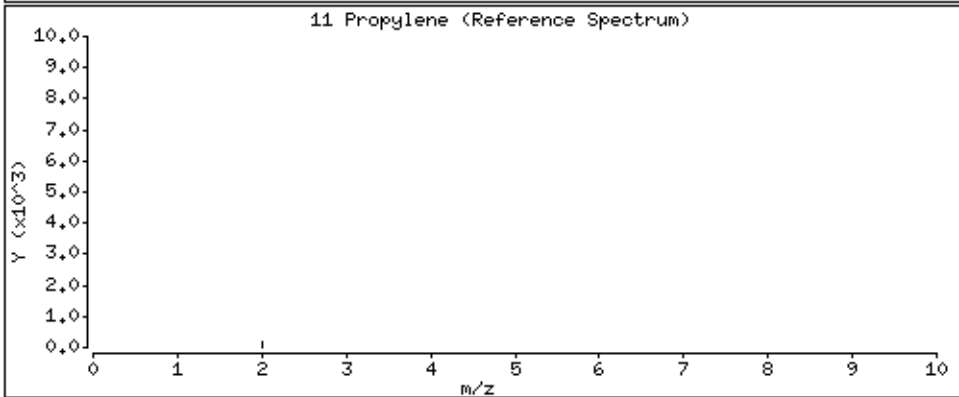
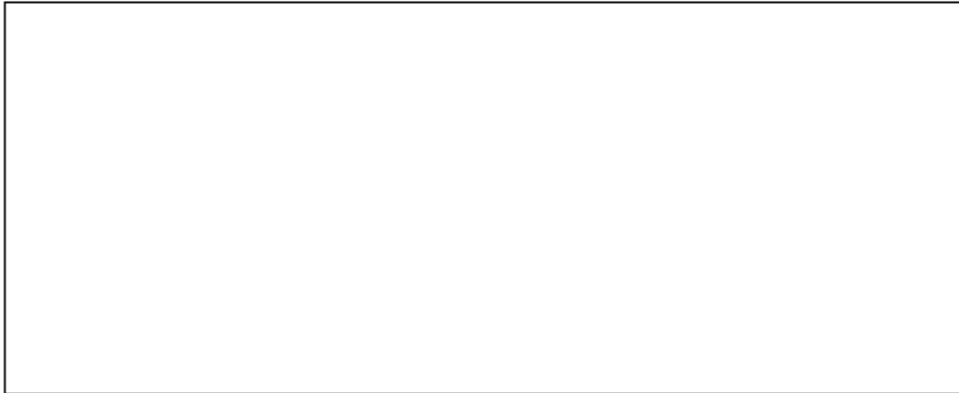
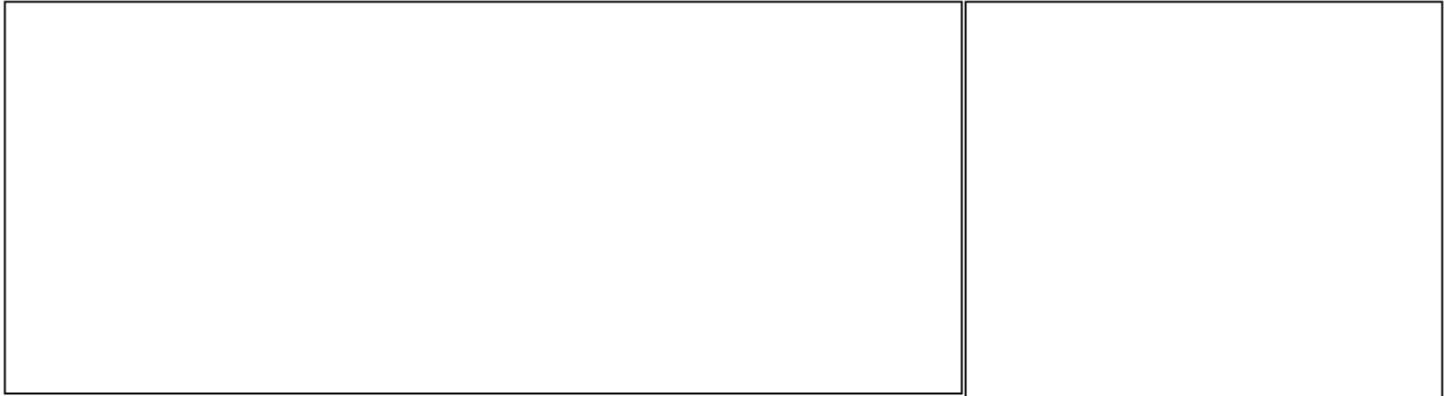
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

11 Propylene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

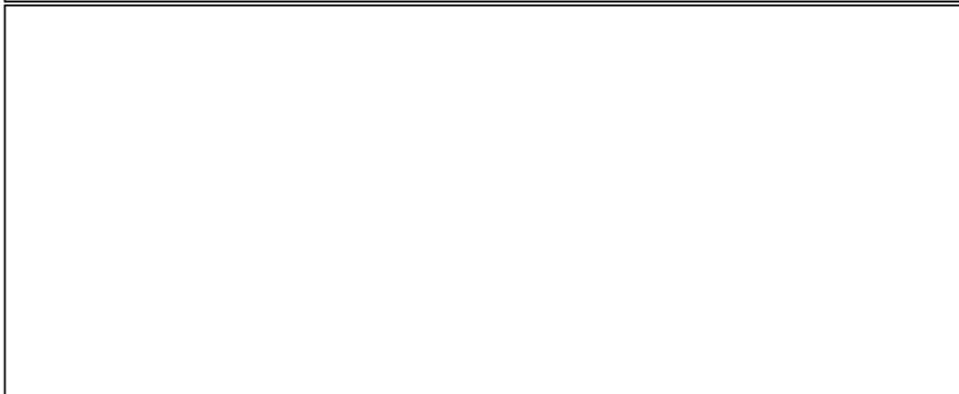
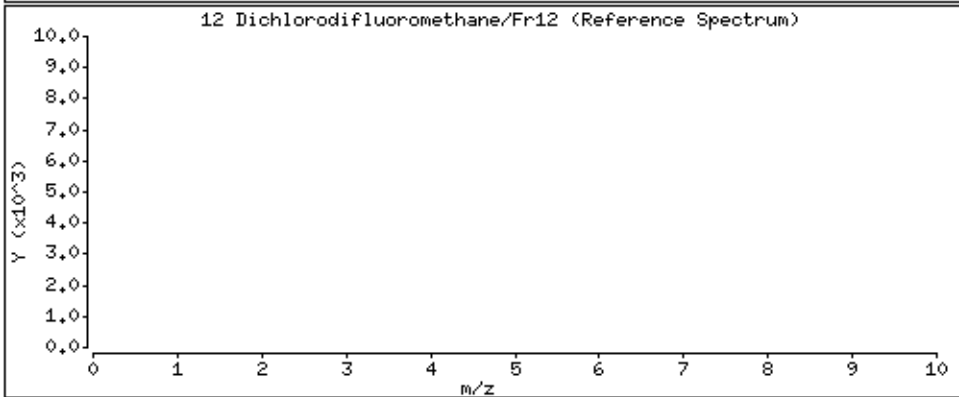
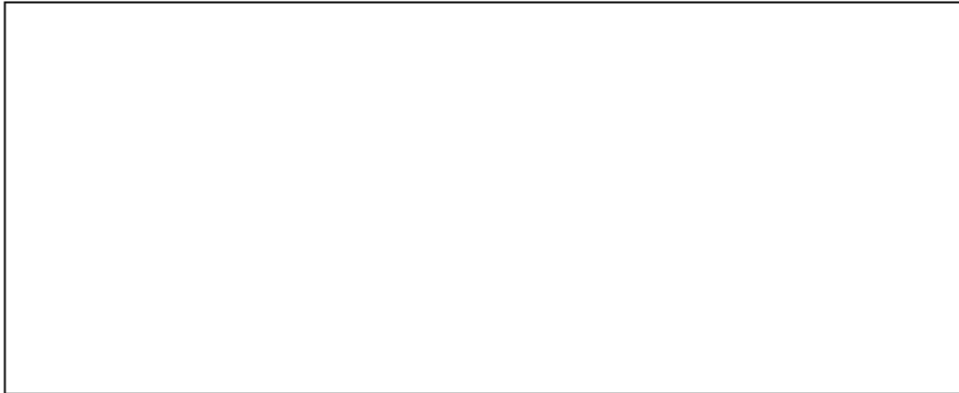
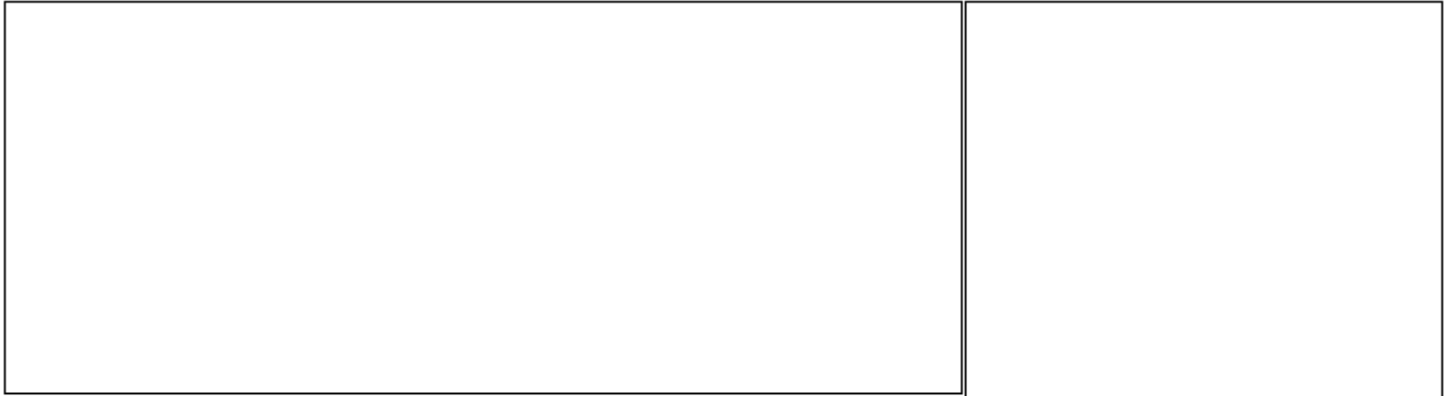
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

12 Dichlorodifluoromethane/Fr12



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

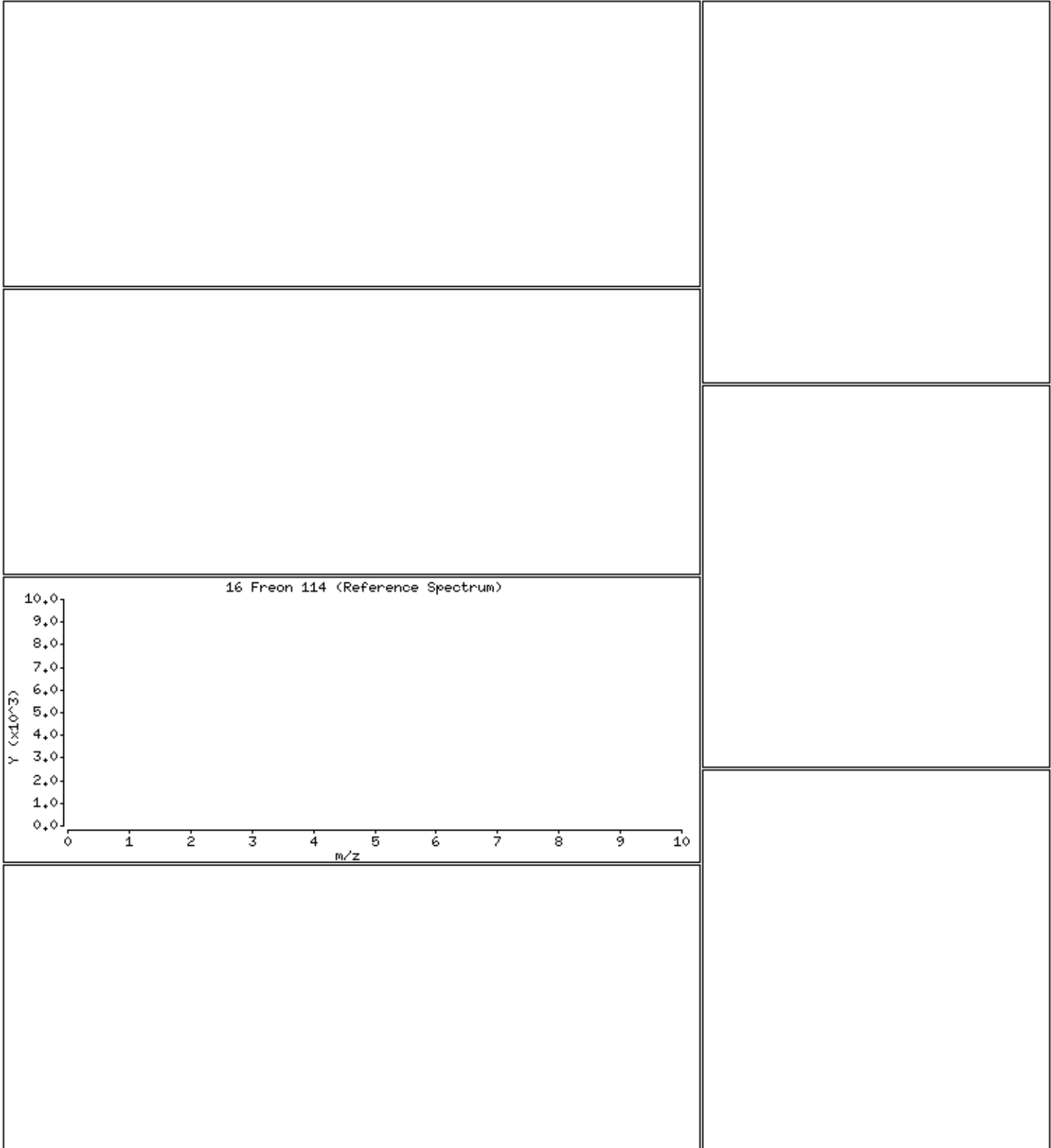
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

16 Freon 114



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

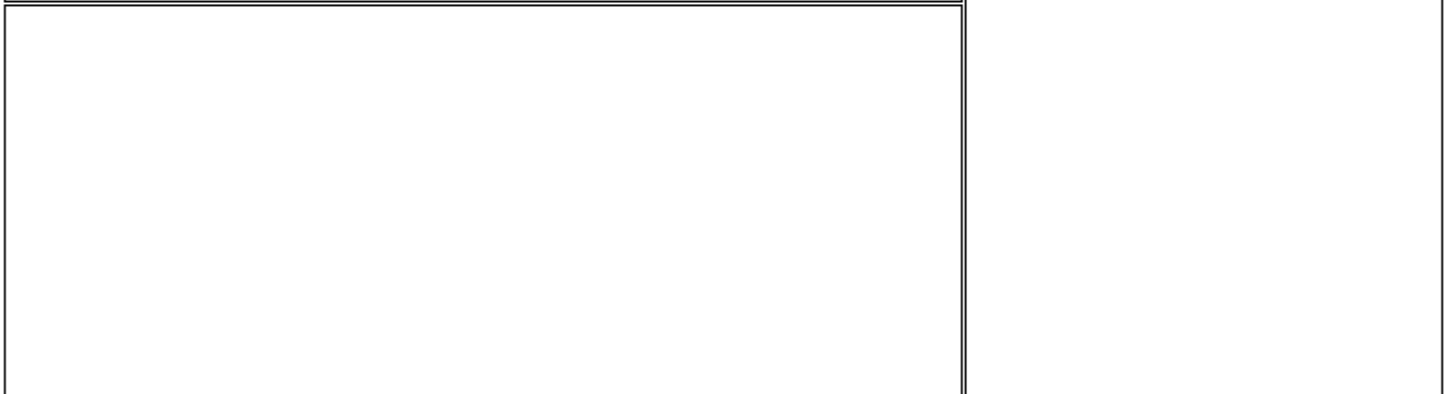
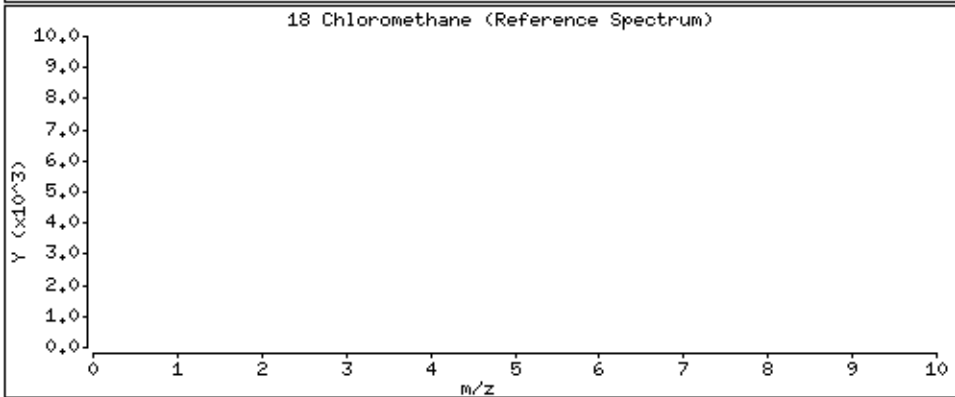
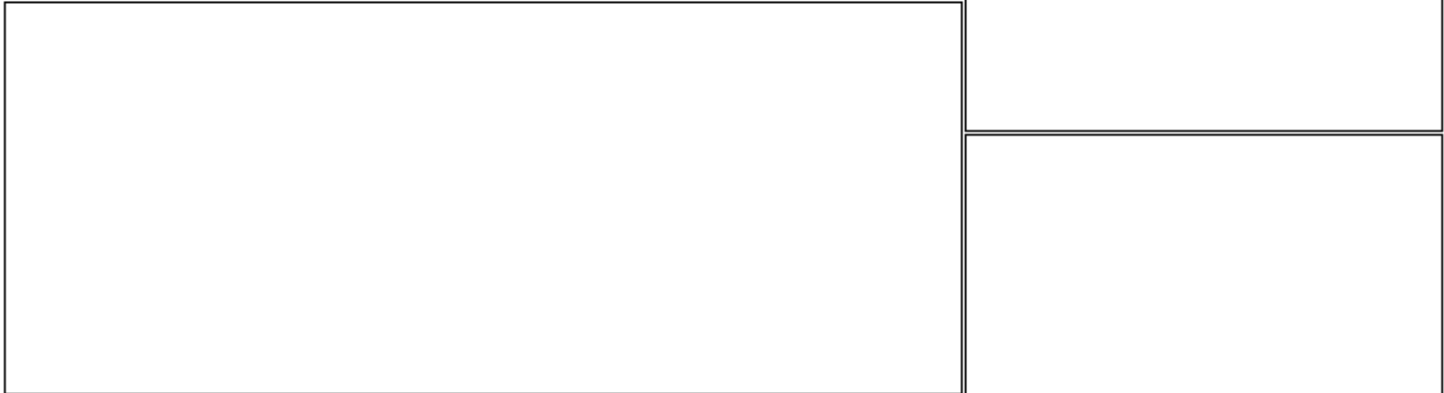
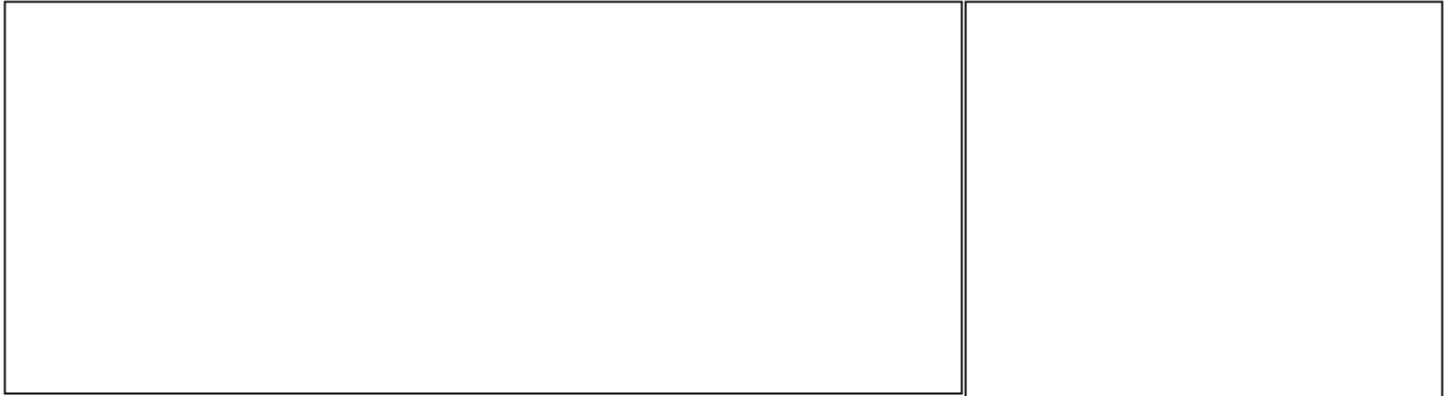
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

18 Chloromethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

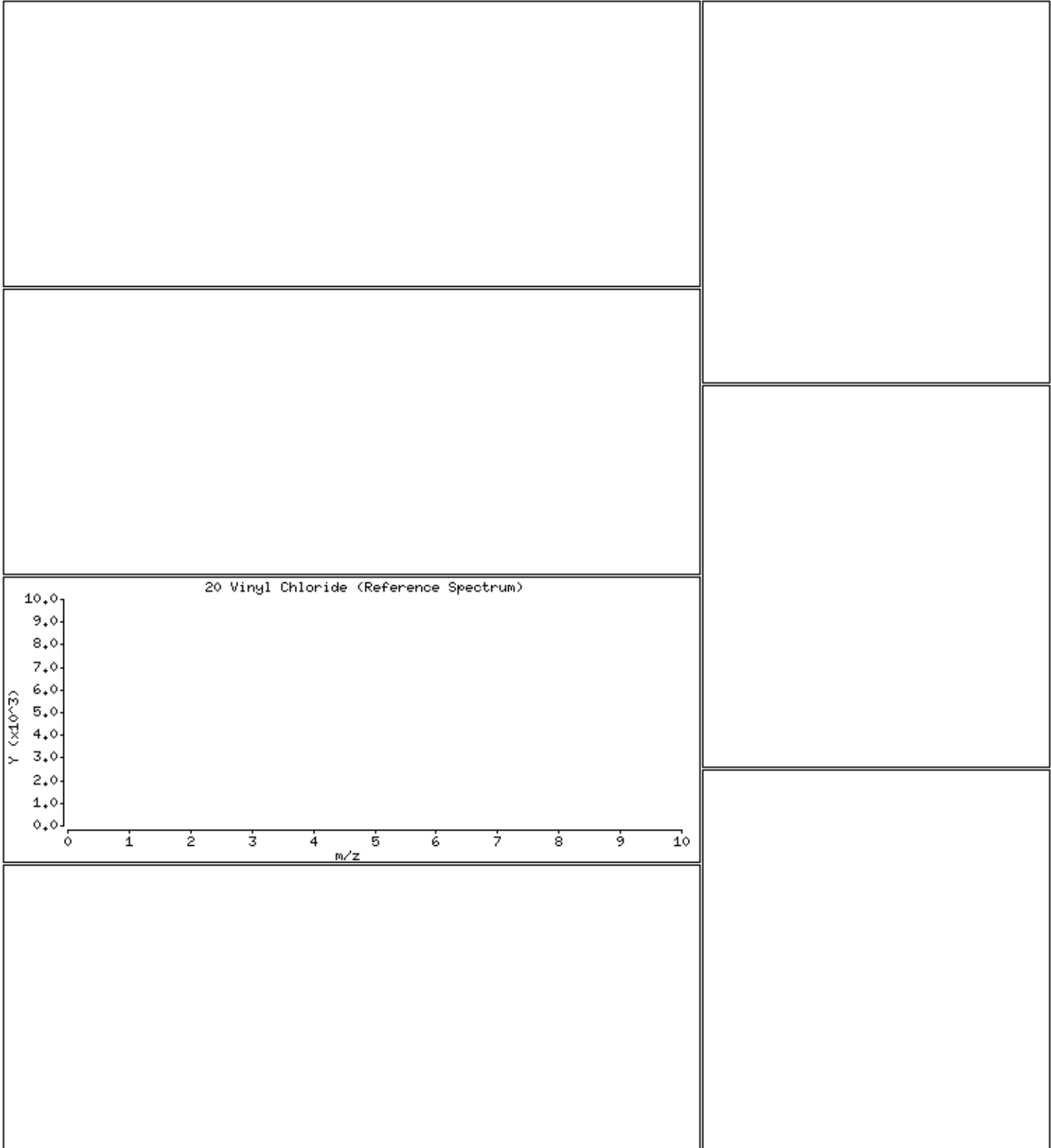
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

20 Vinyl Chloride



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

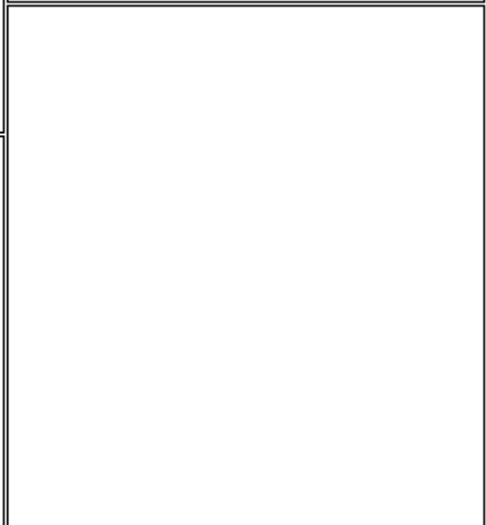
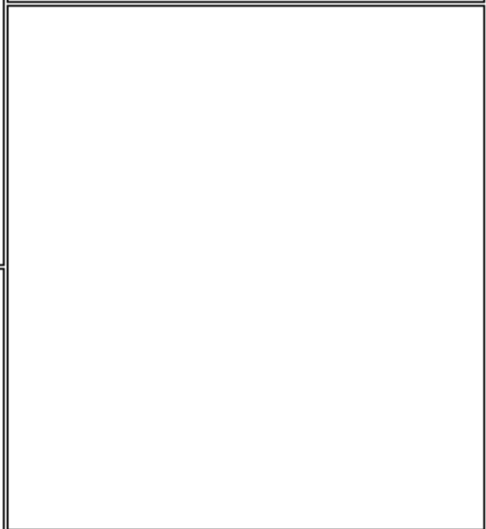
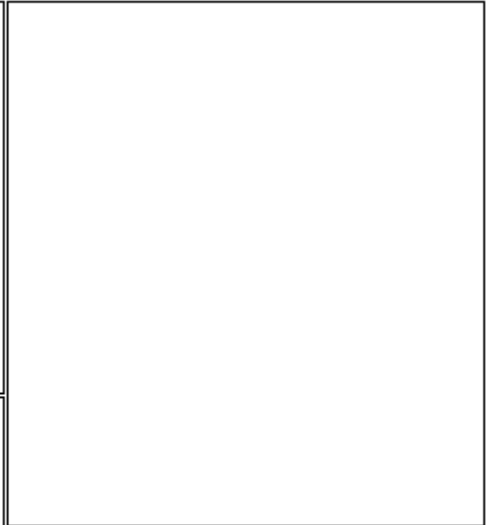
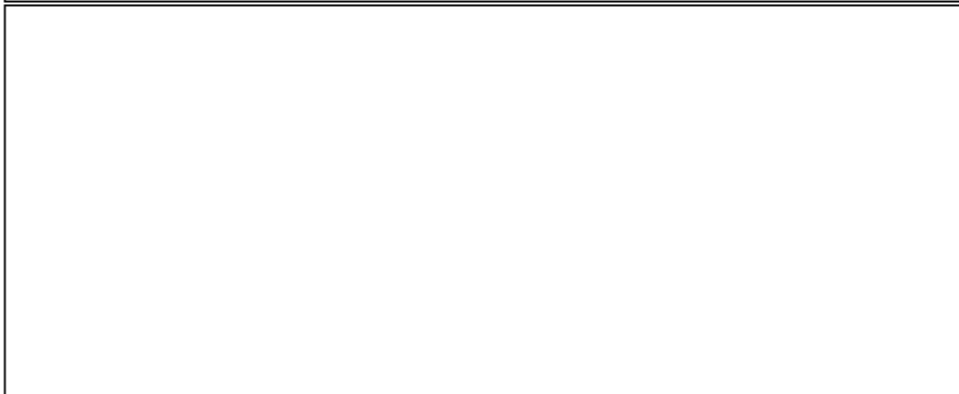
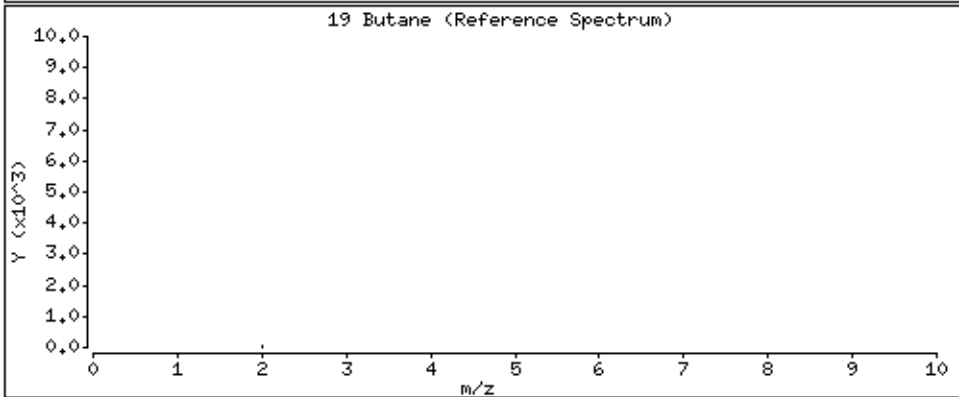
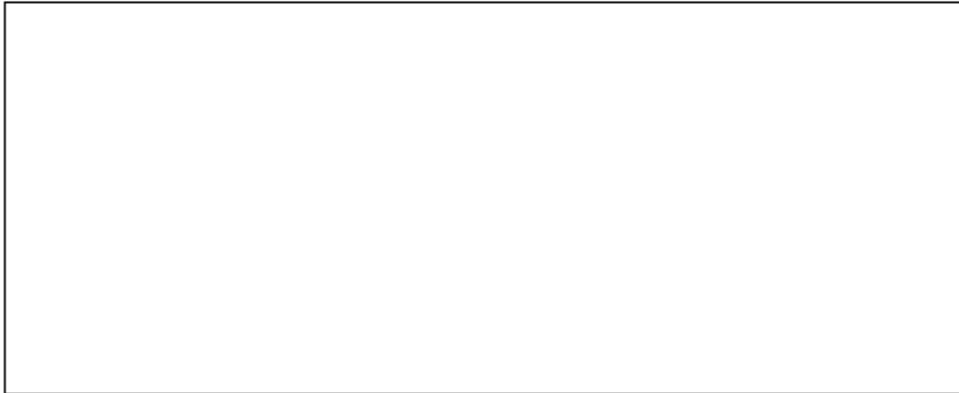
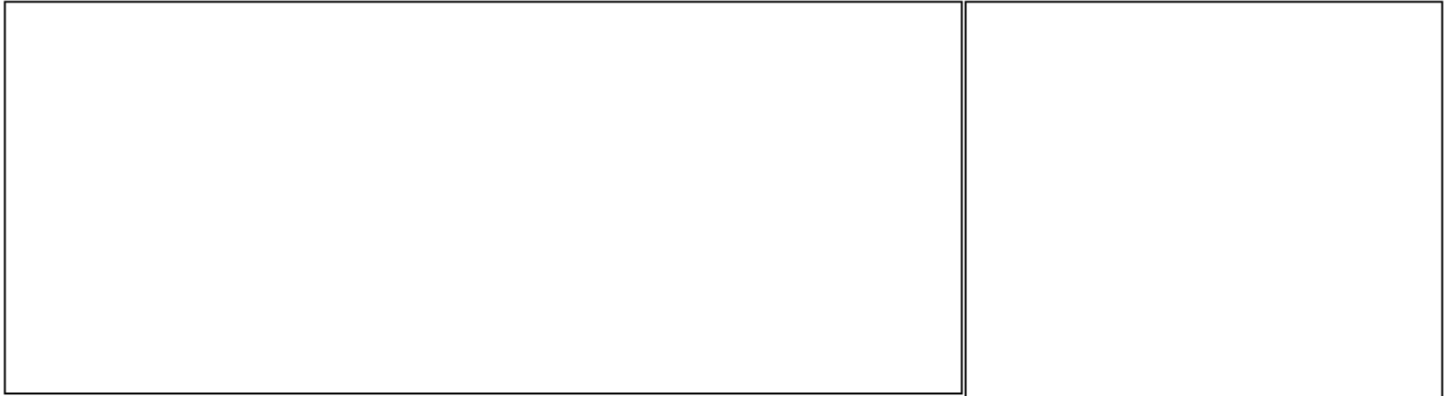
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

19 Butane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

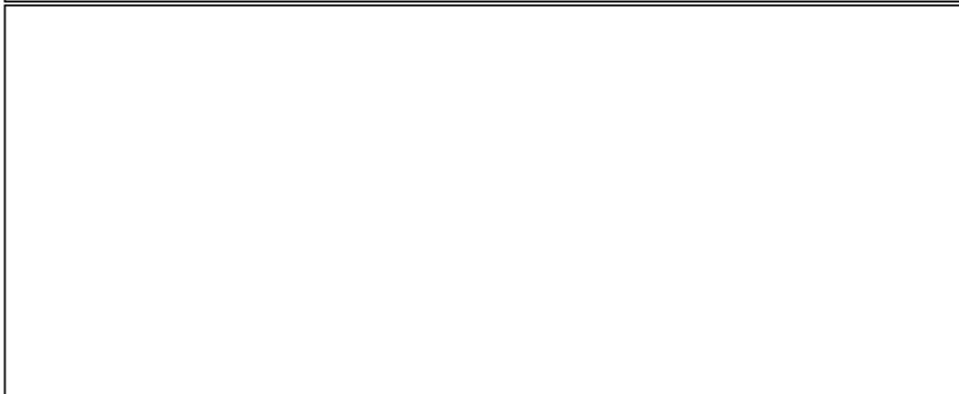
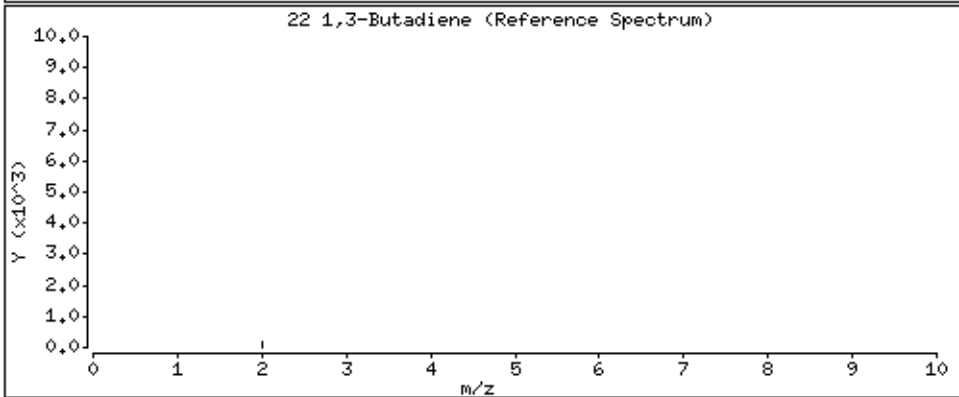
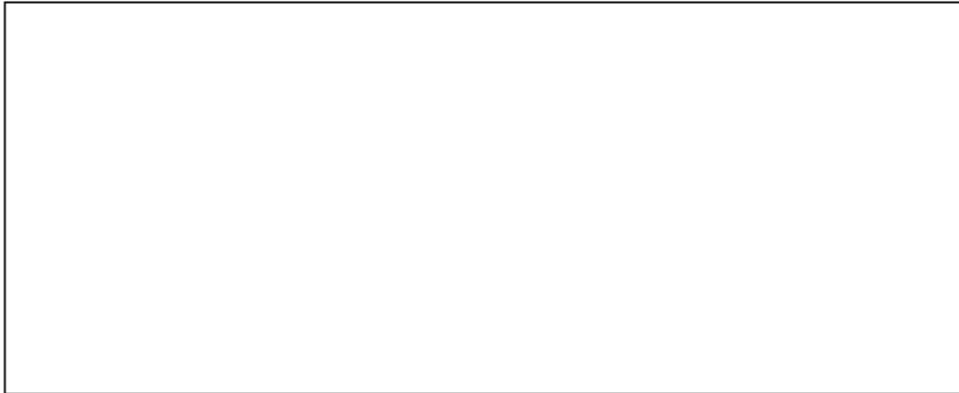
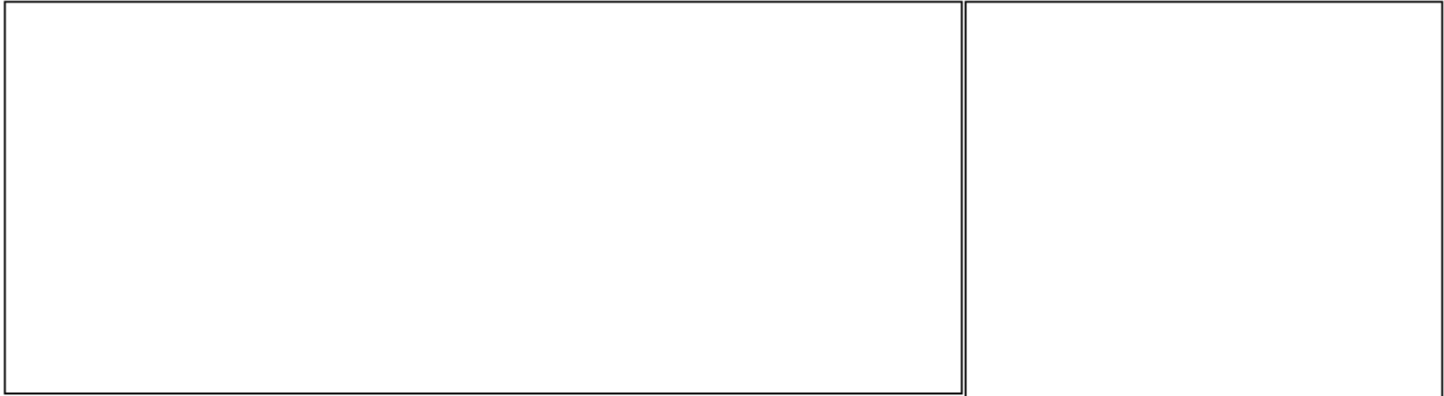
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

22 1,3-Butadiene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

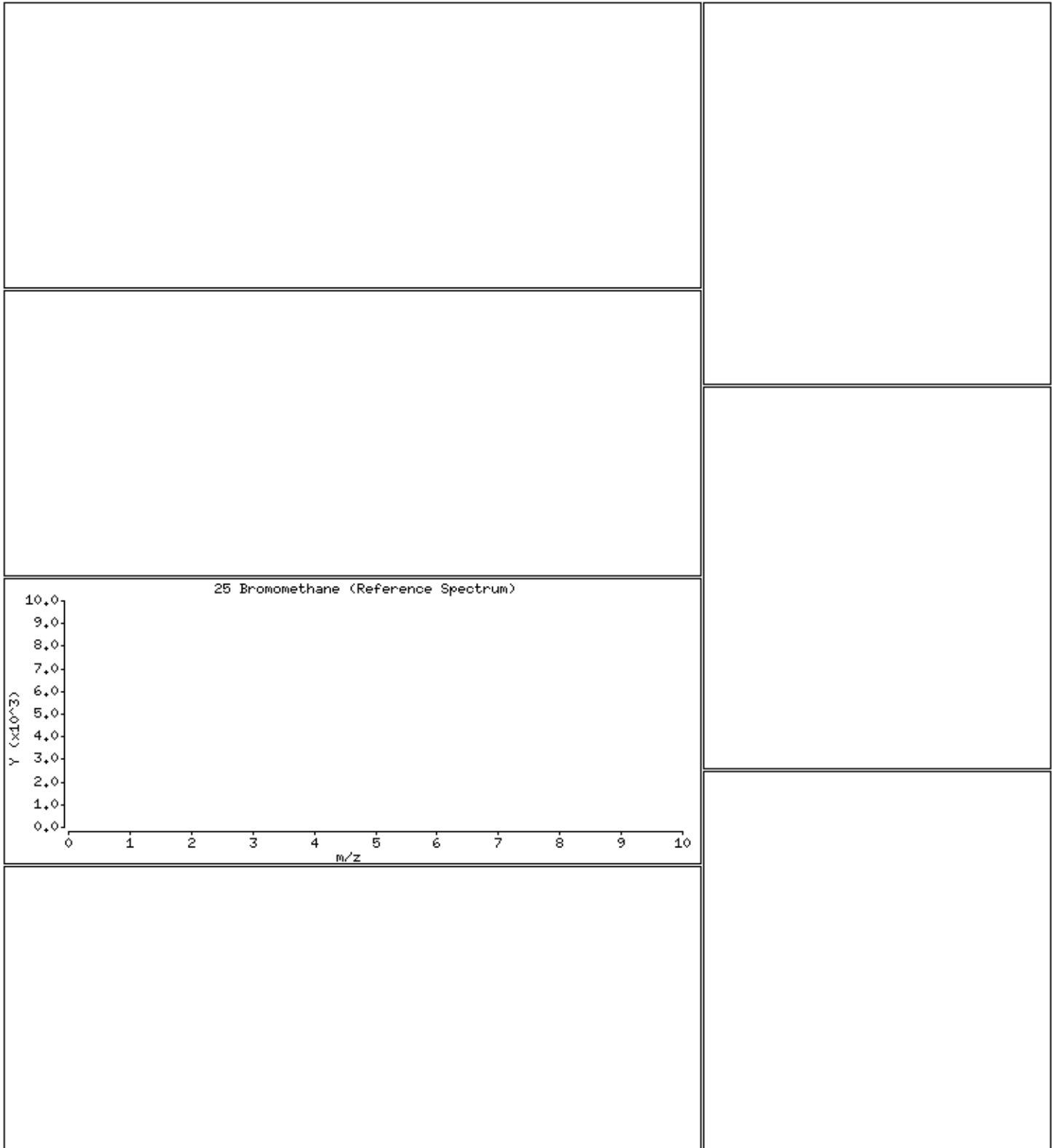
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

25 Bromomethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

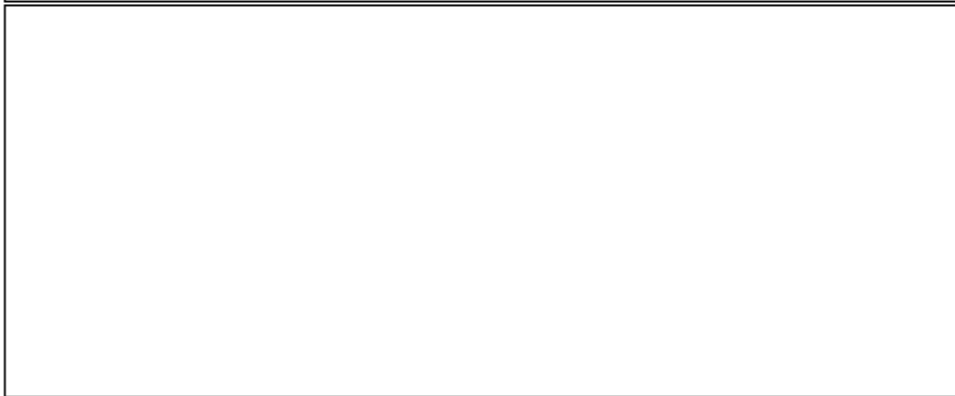
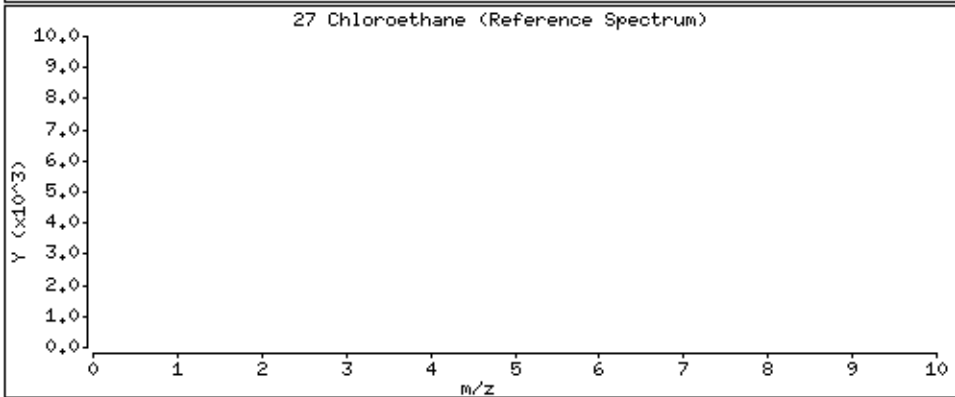
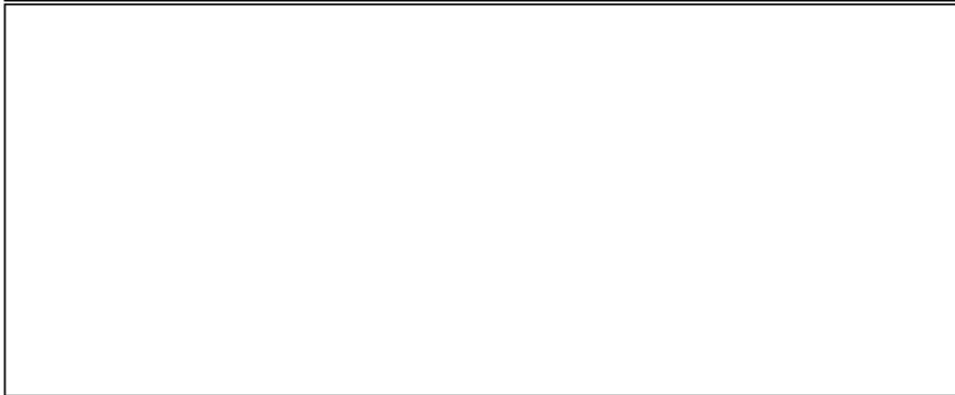
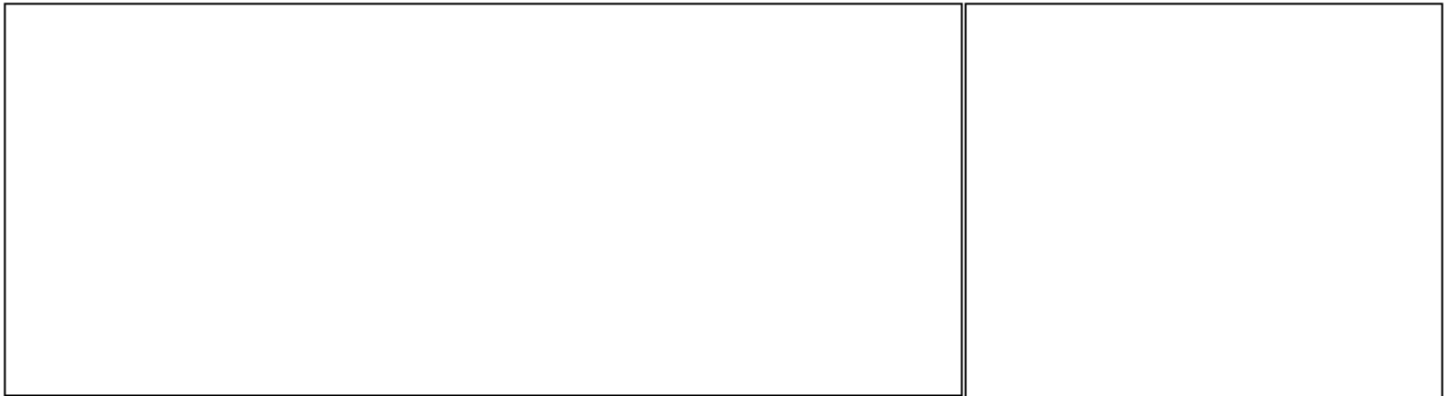
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

27 Chloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

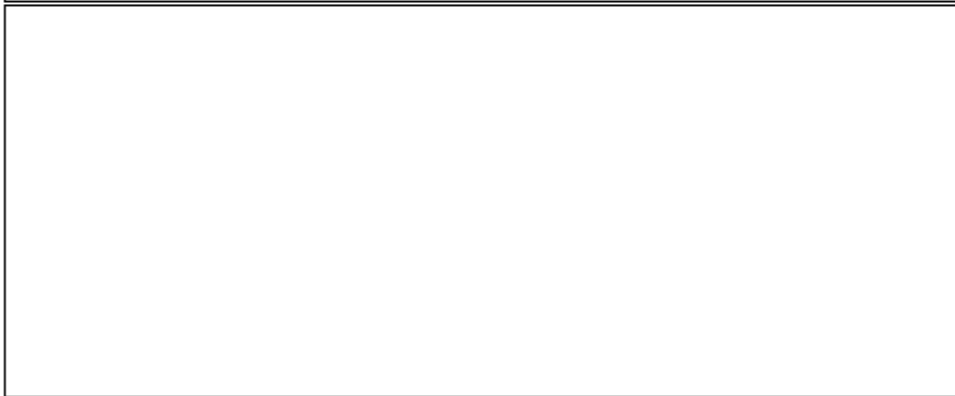
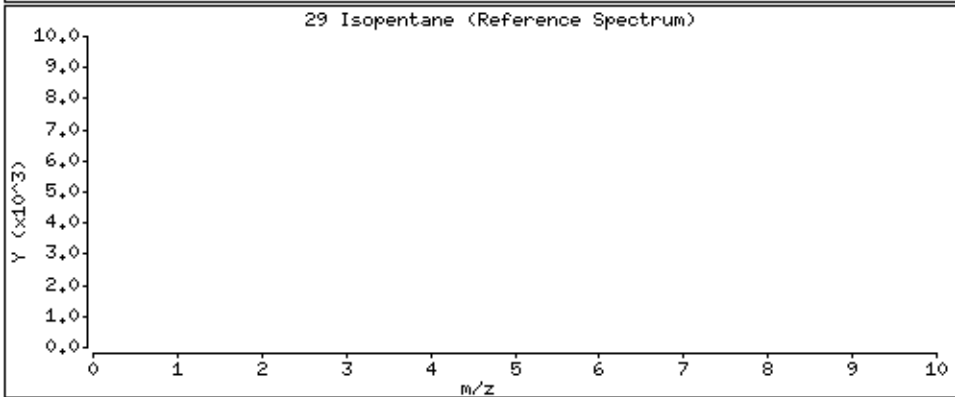
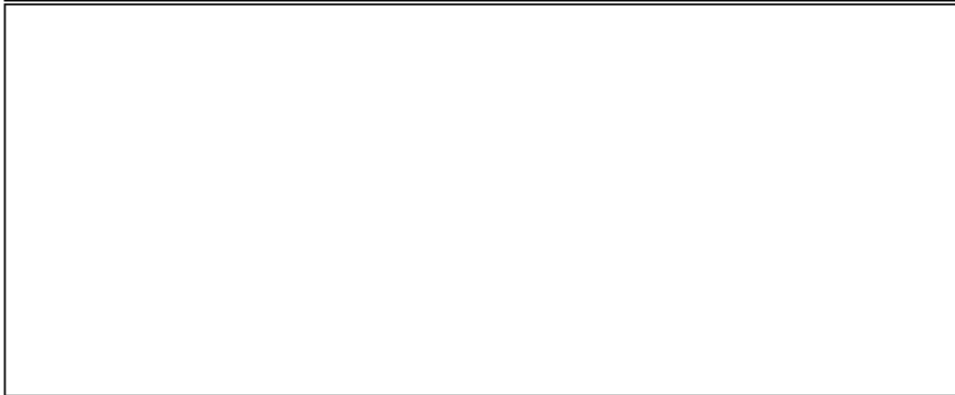
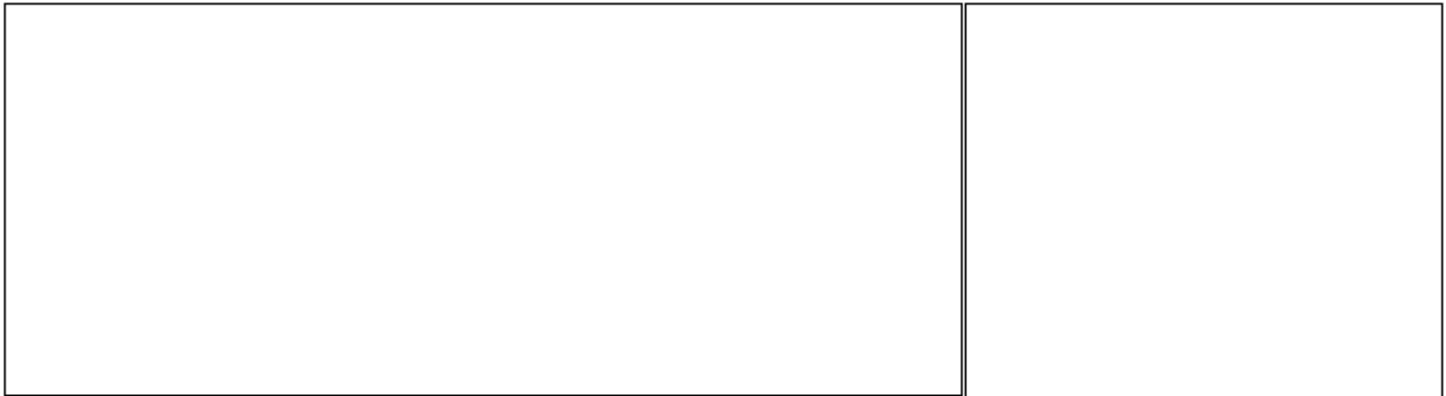
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

29 Isopentane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

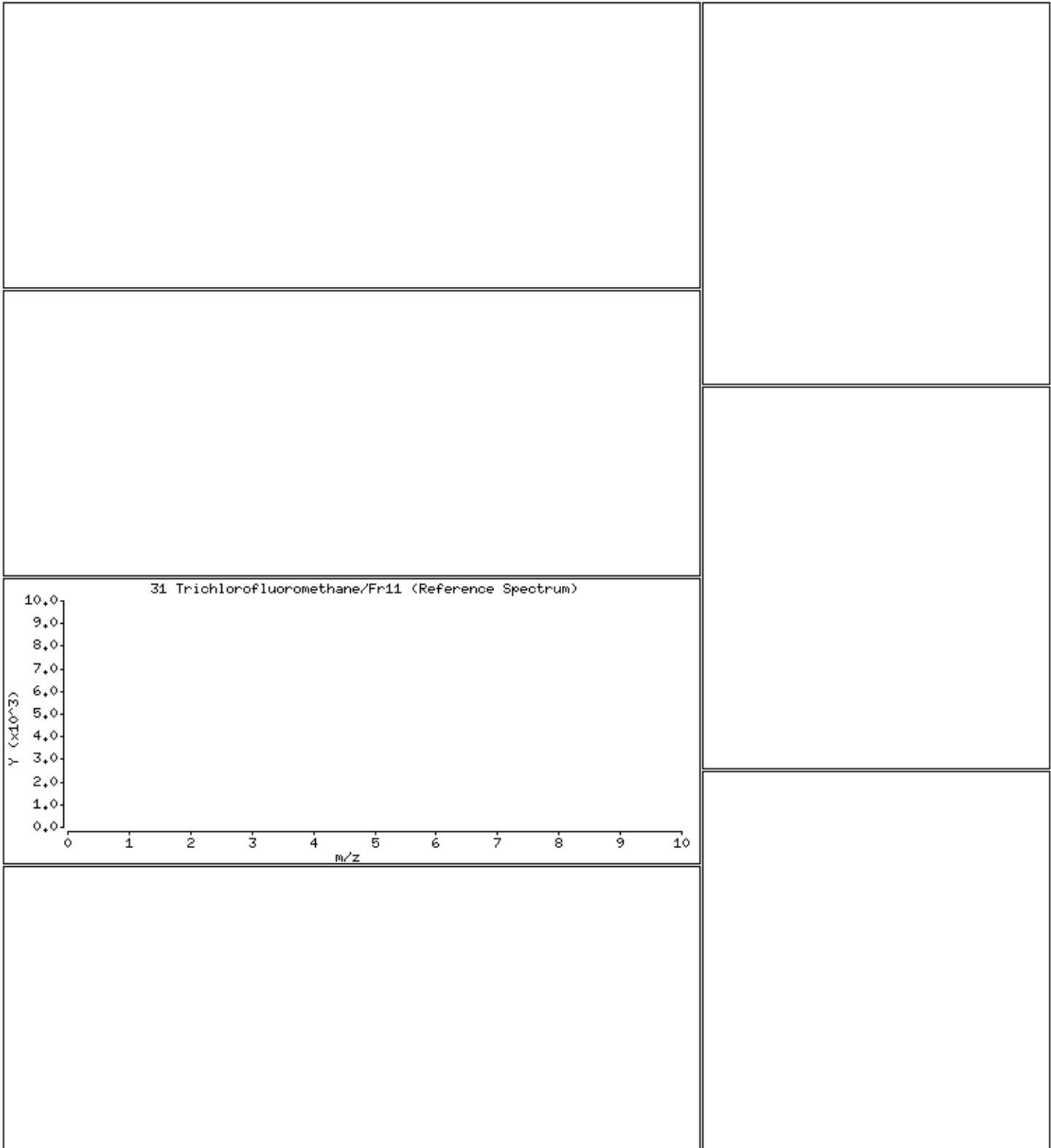
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

31 Trichlorofluoromethane/Fr11



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

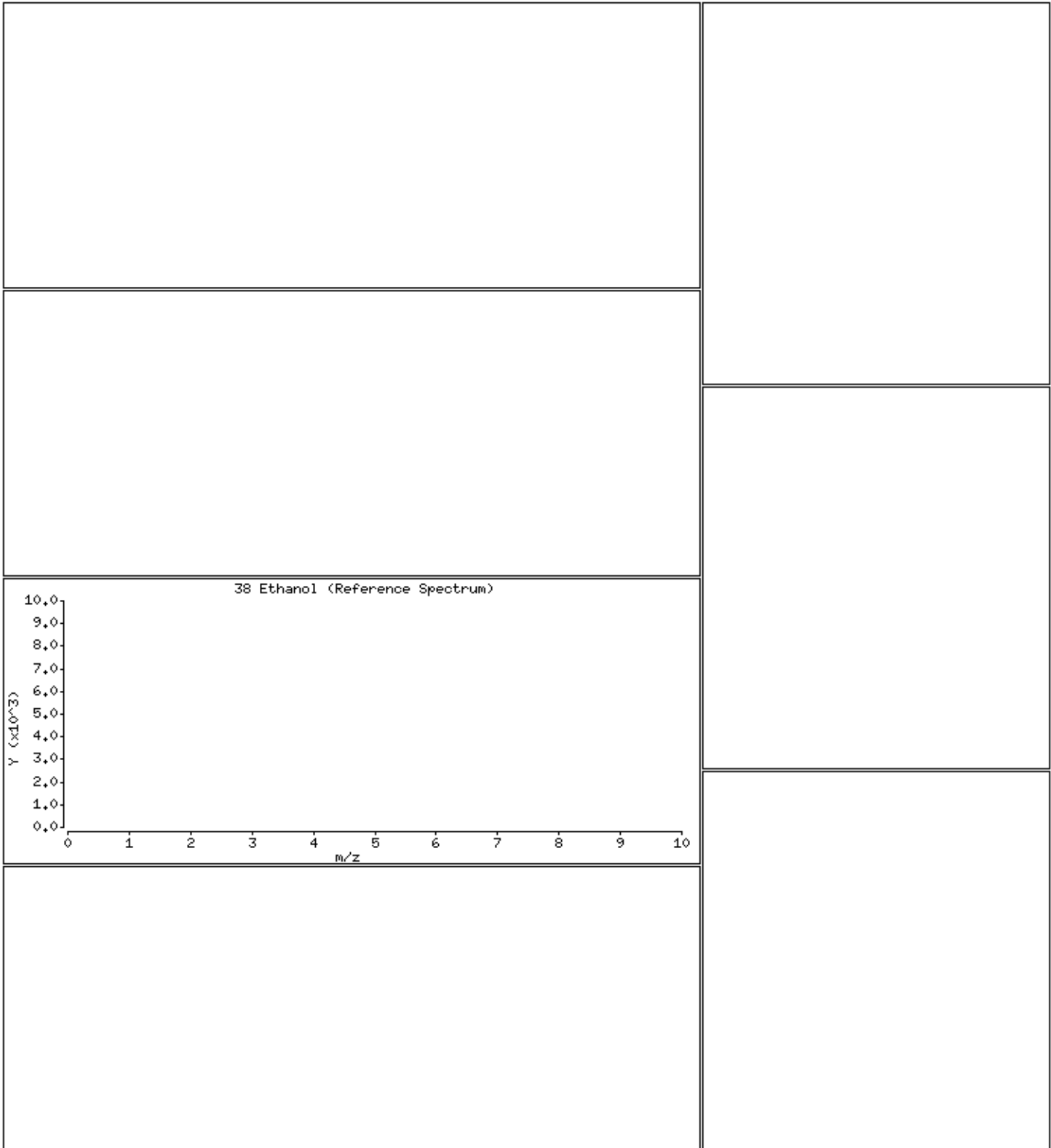
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

38 Ethanol



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

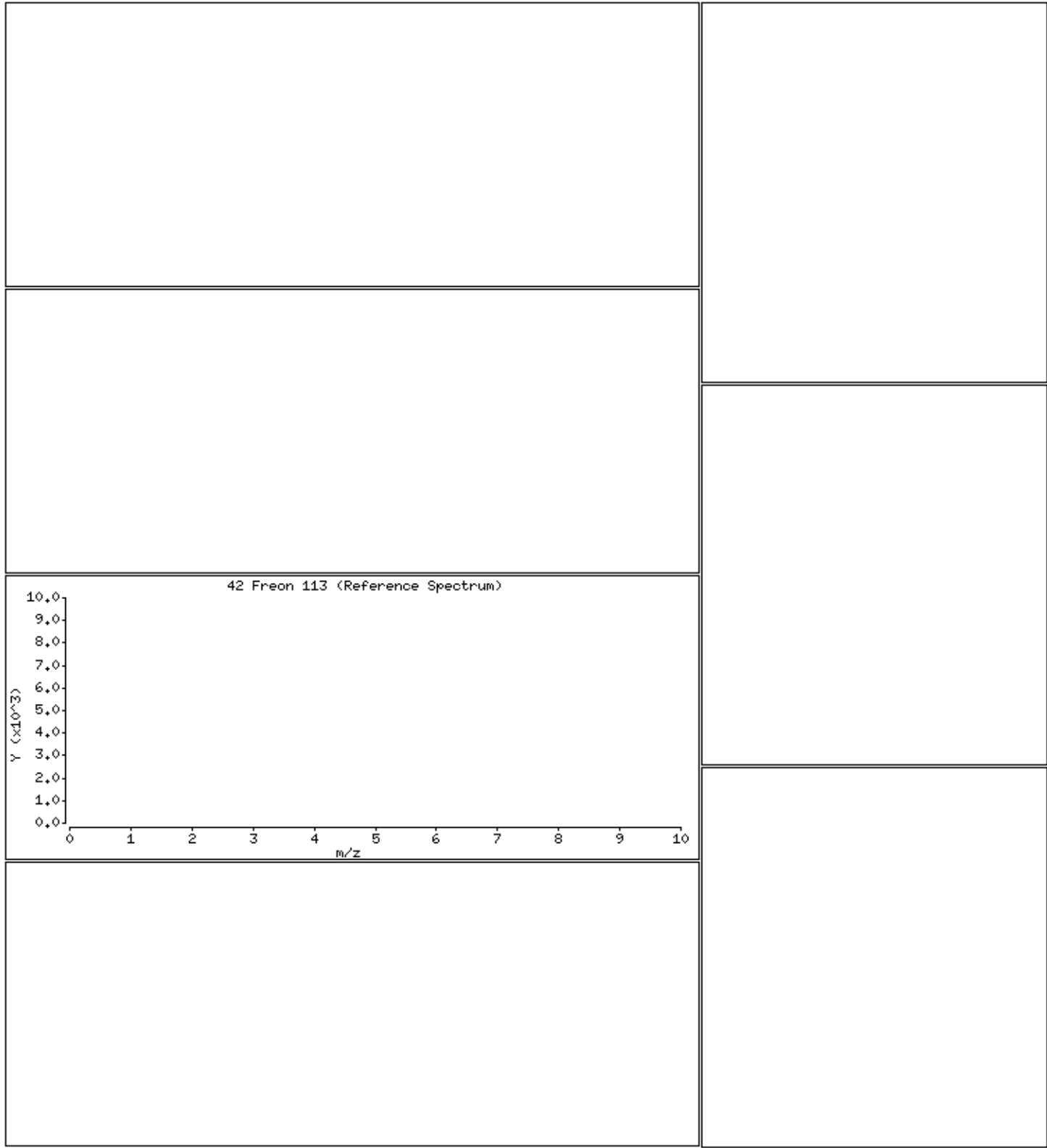
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

42 Freon 113



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

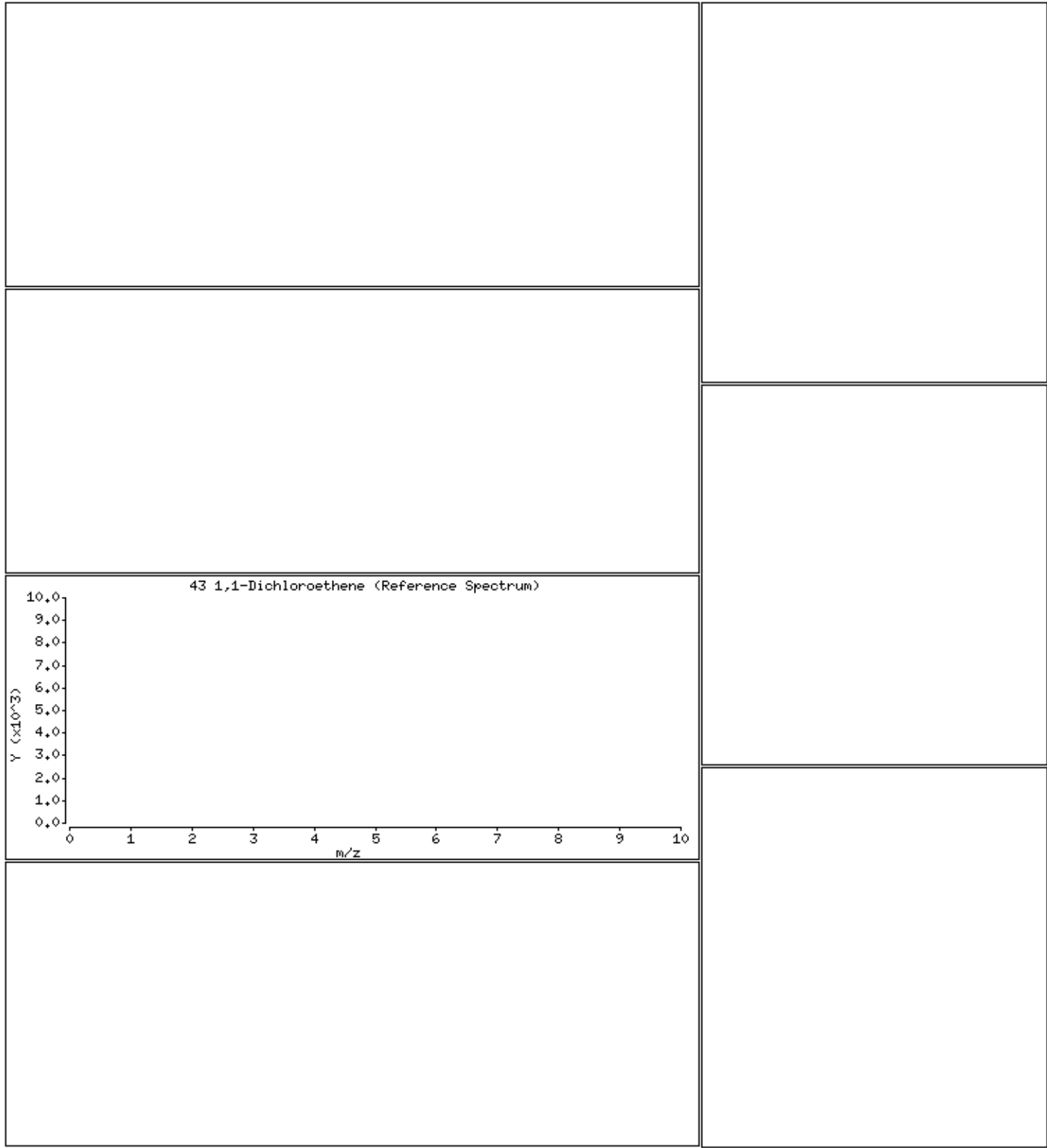
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

43 1,1-Dichloroethene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

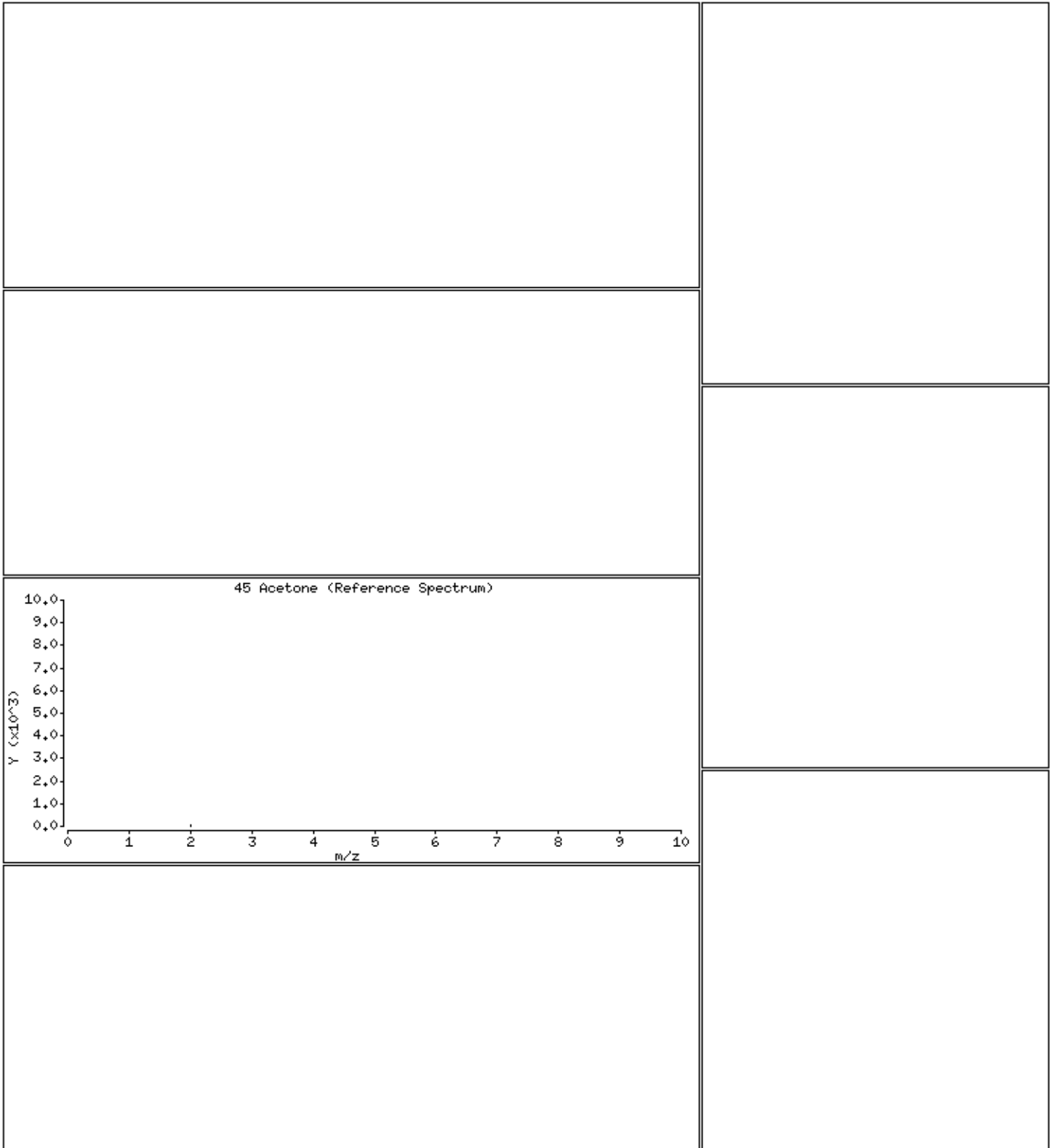
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

45 Acetone



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

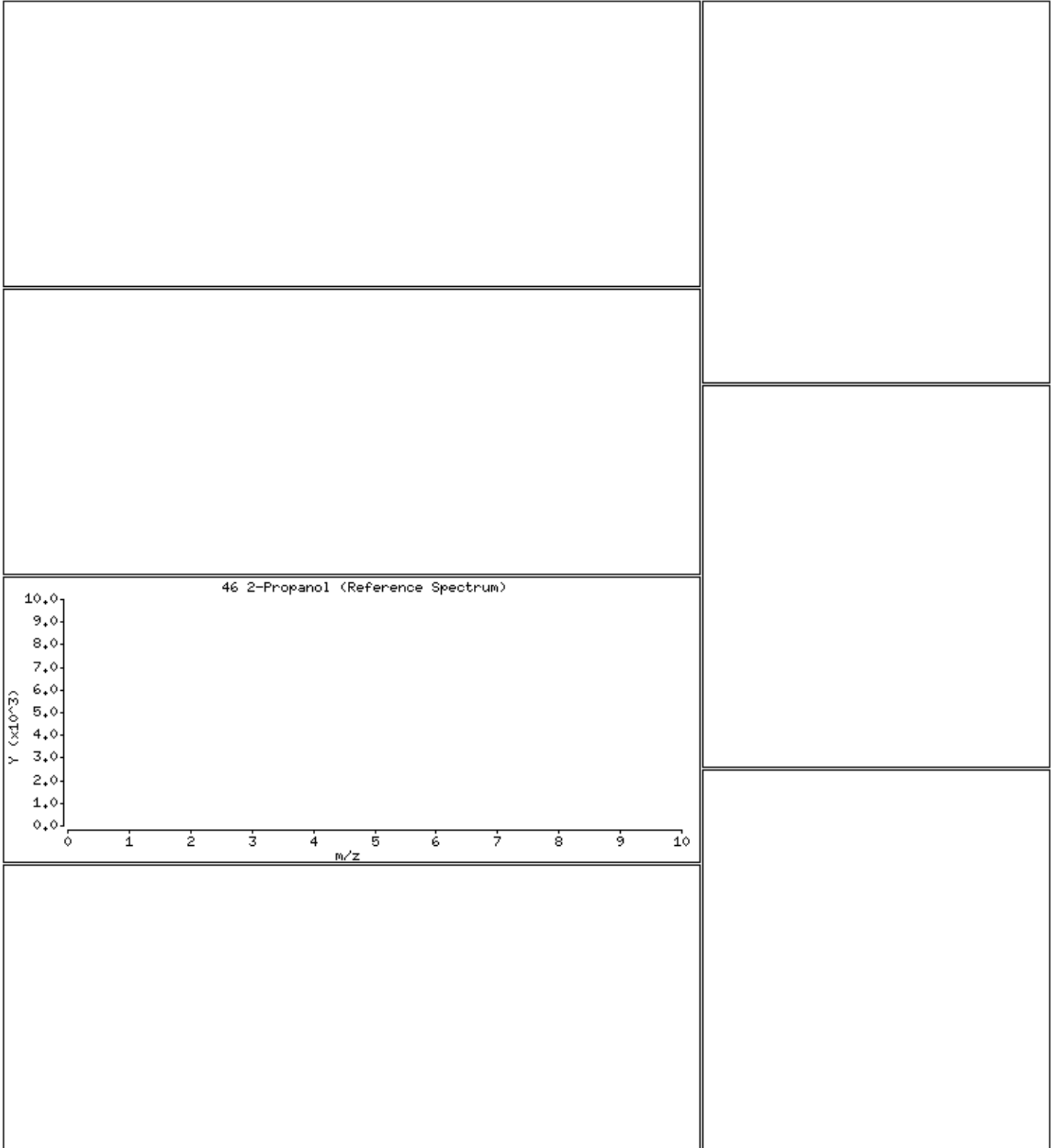
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

46 2-Propanol



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

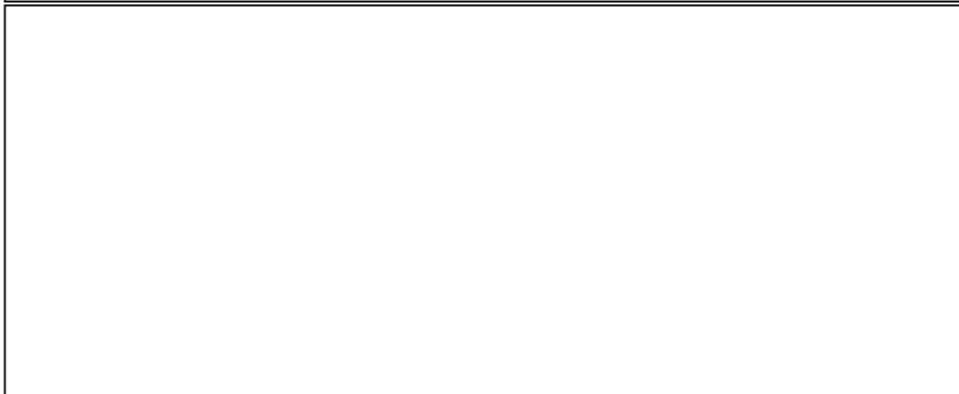
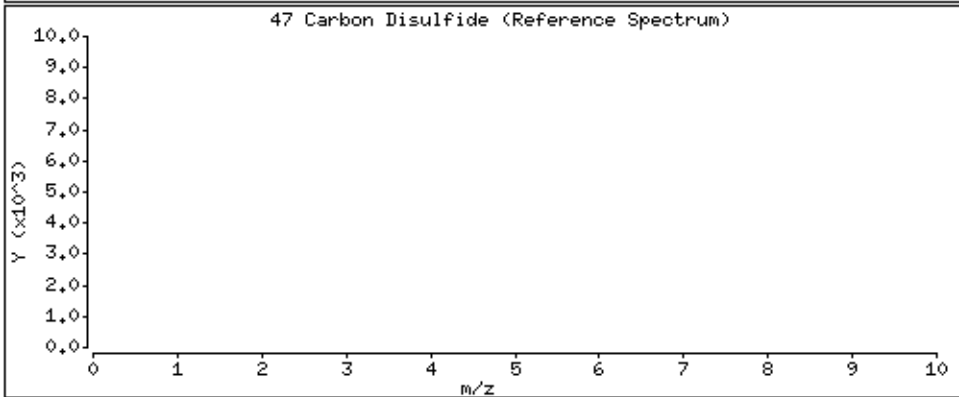
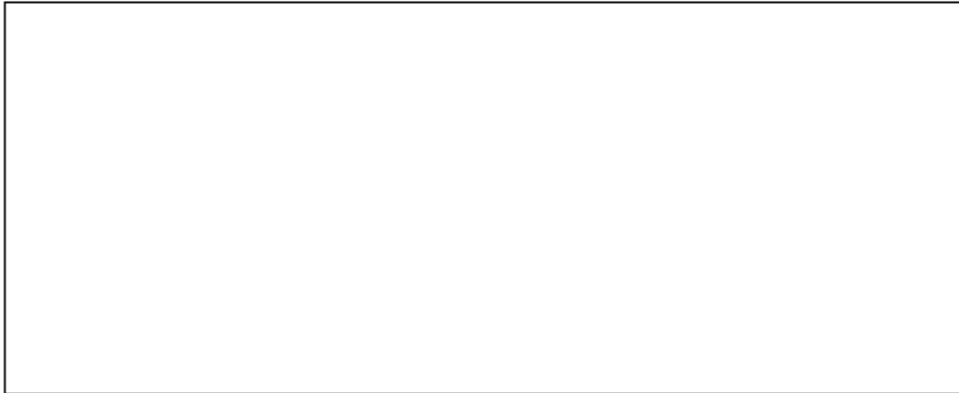
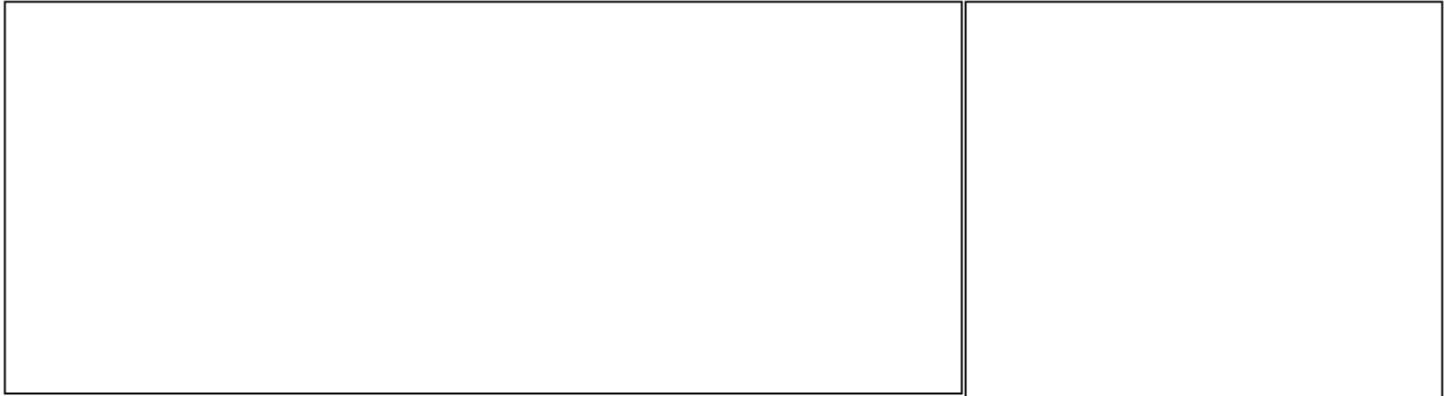
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

47 Carbon Disulfide



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

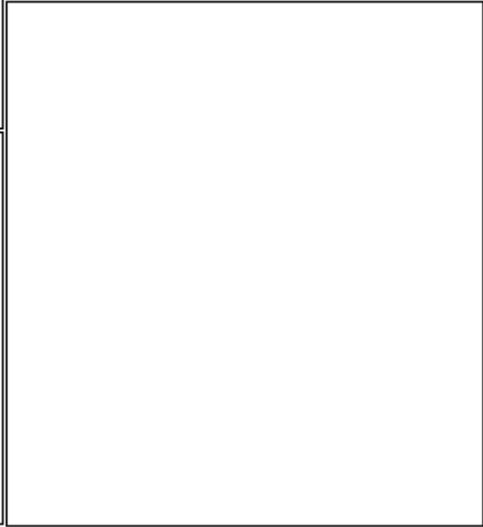
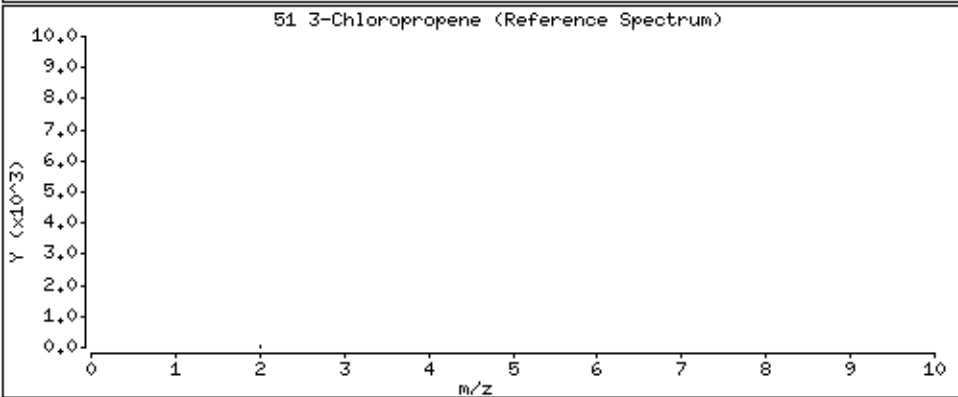
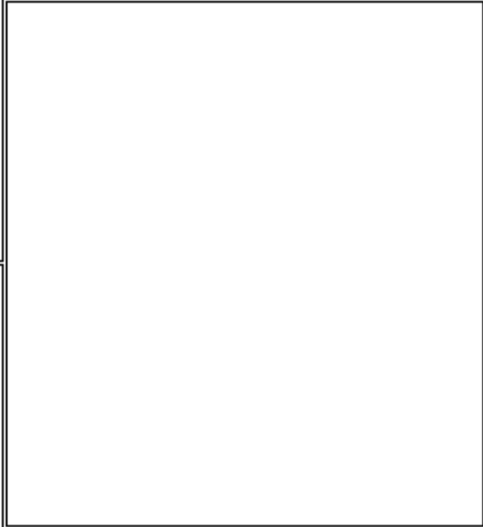
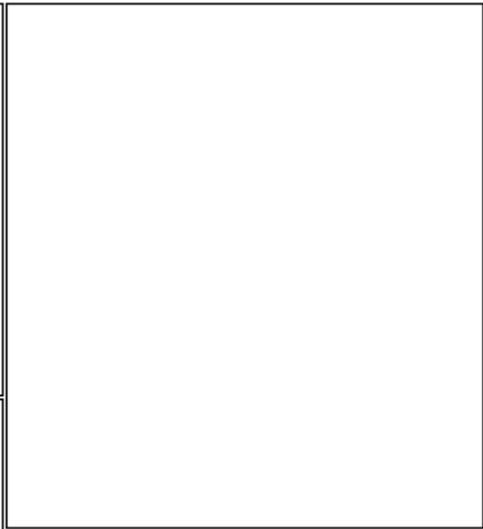
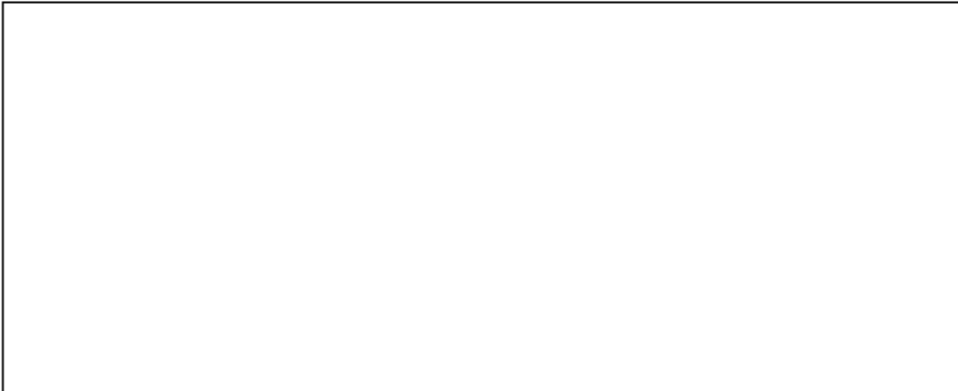
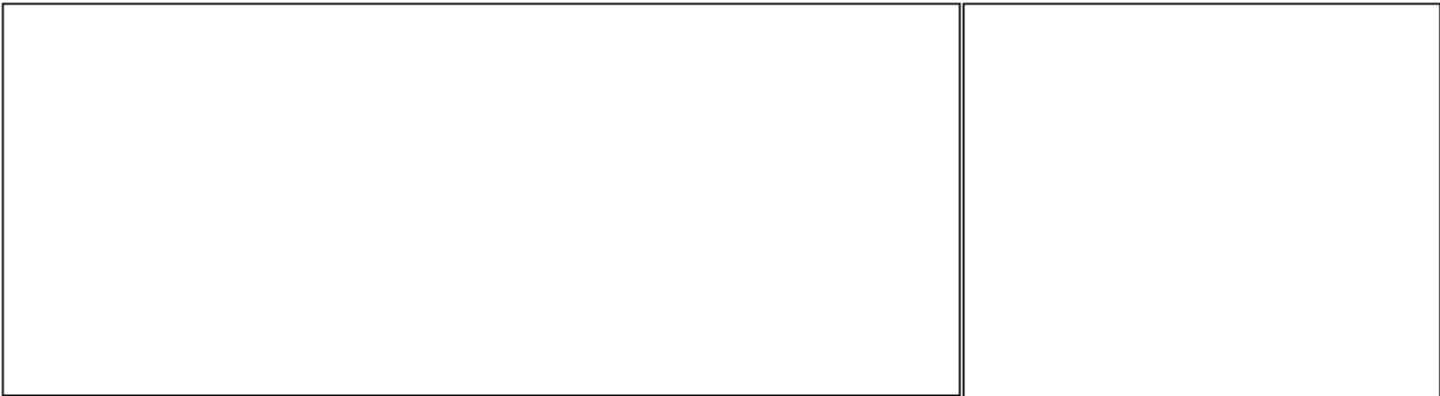
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

51 3-Chloropropene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

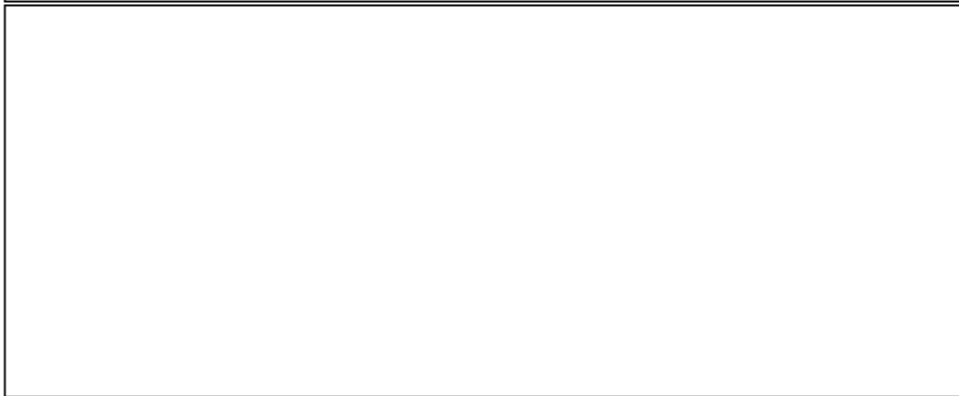
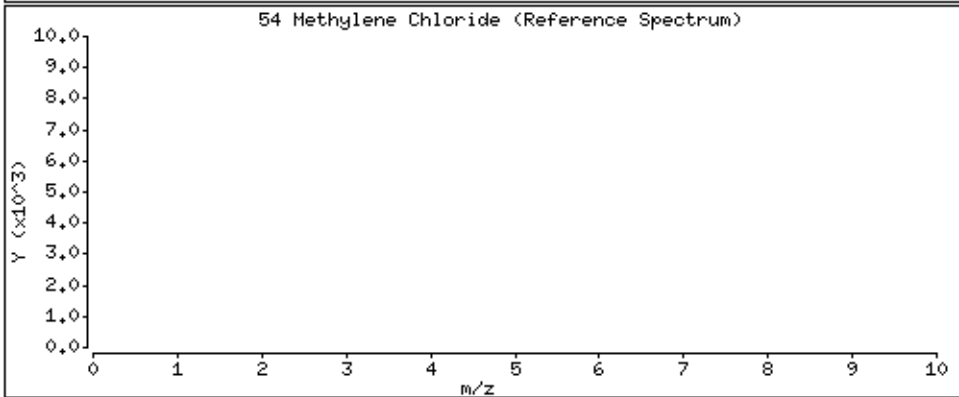
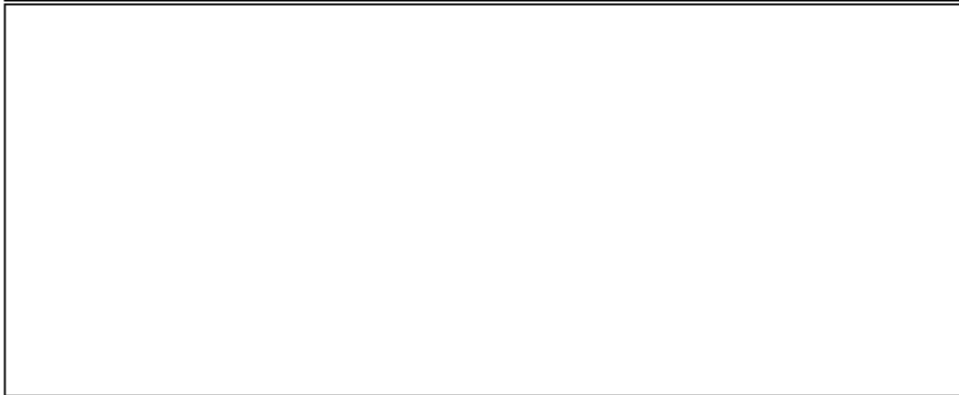
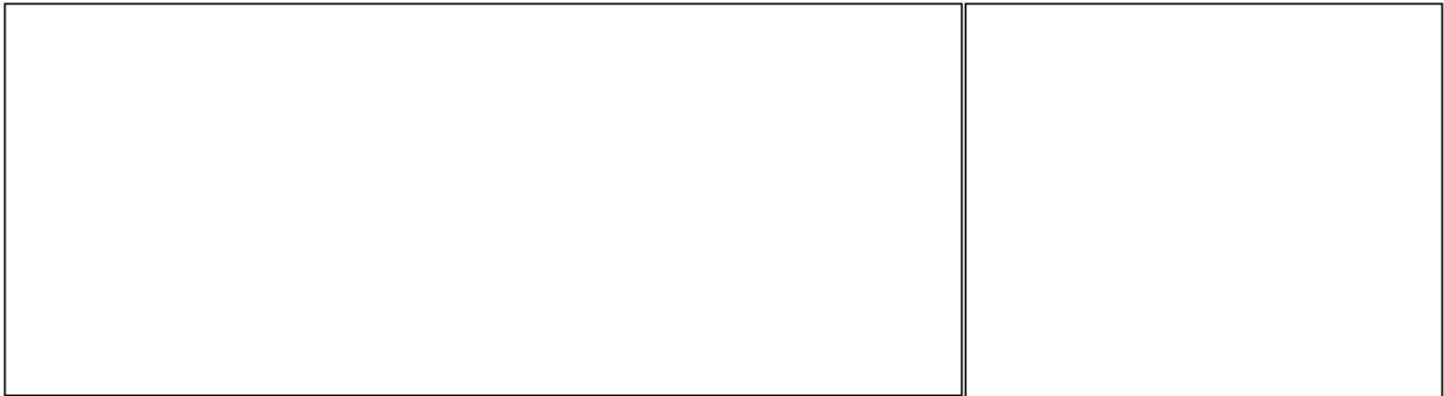
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

54 Methylene Chloride



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

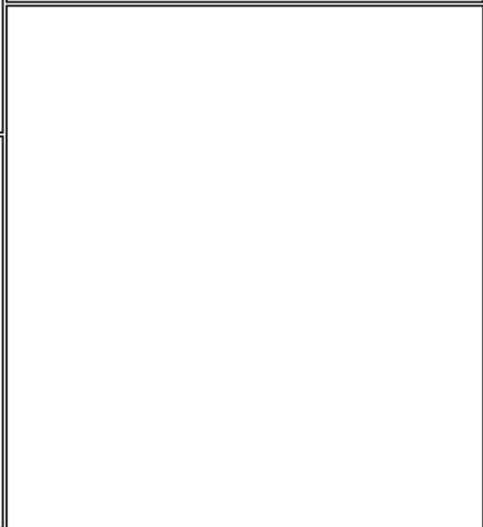
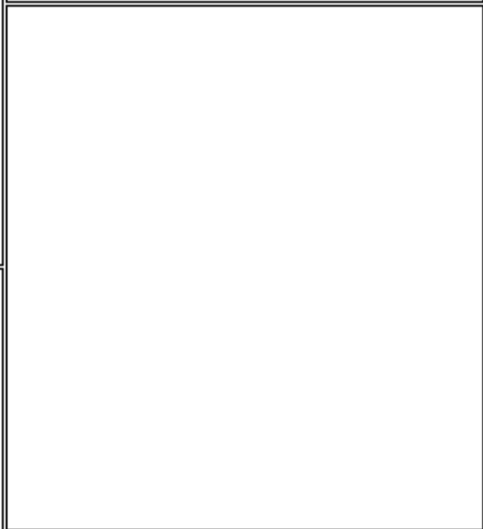
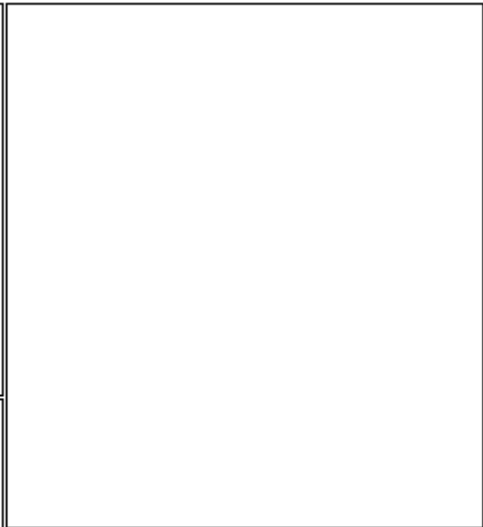
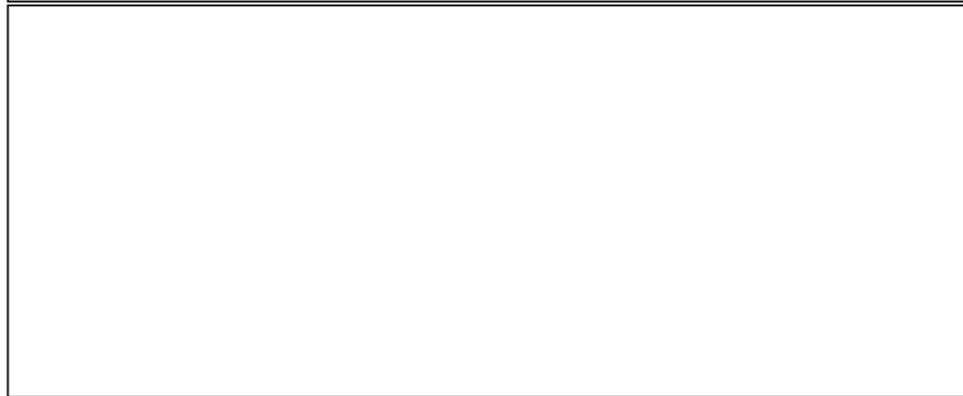
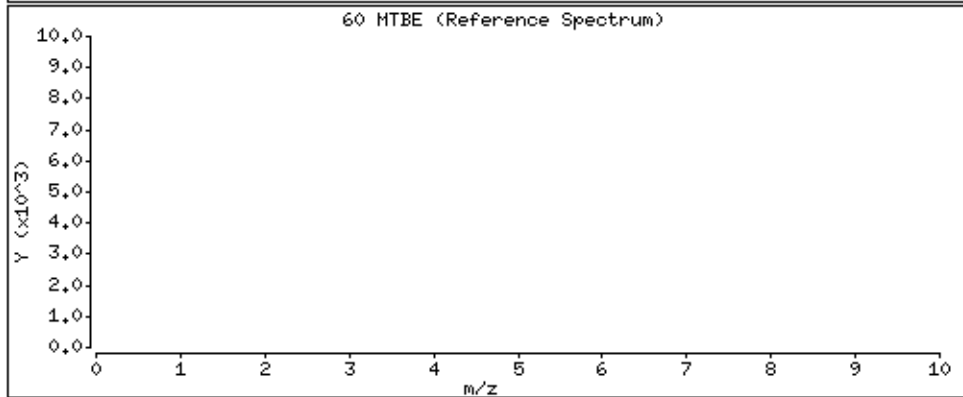
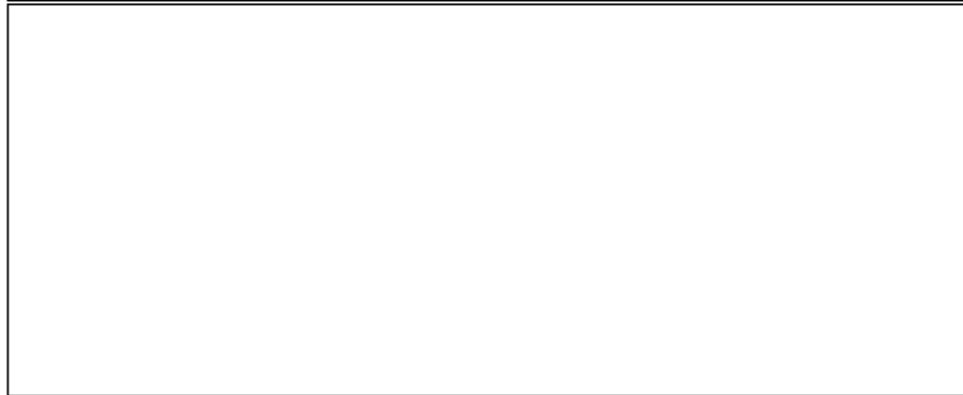
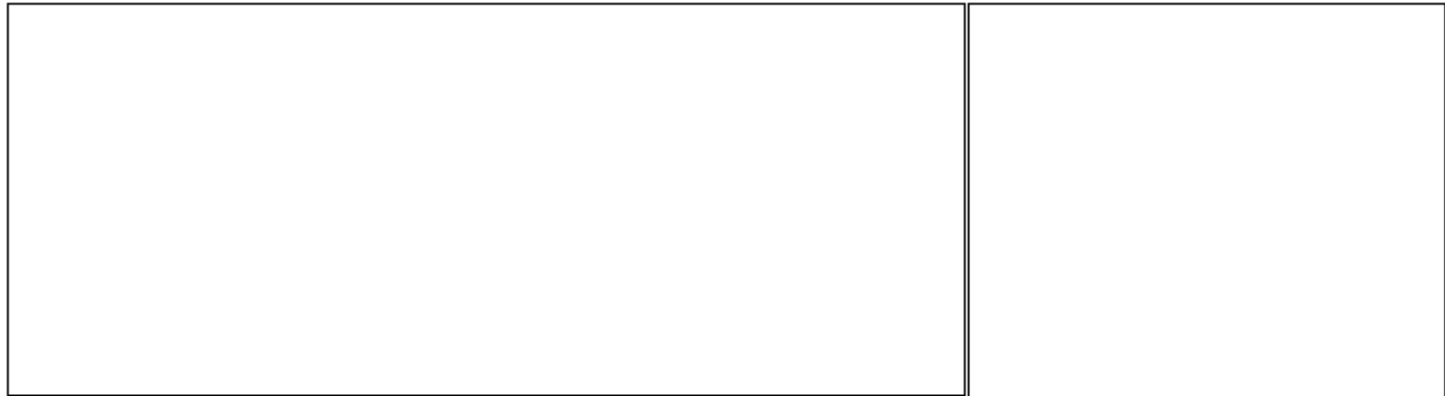
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

60 MTBE



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

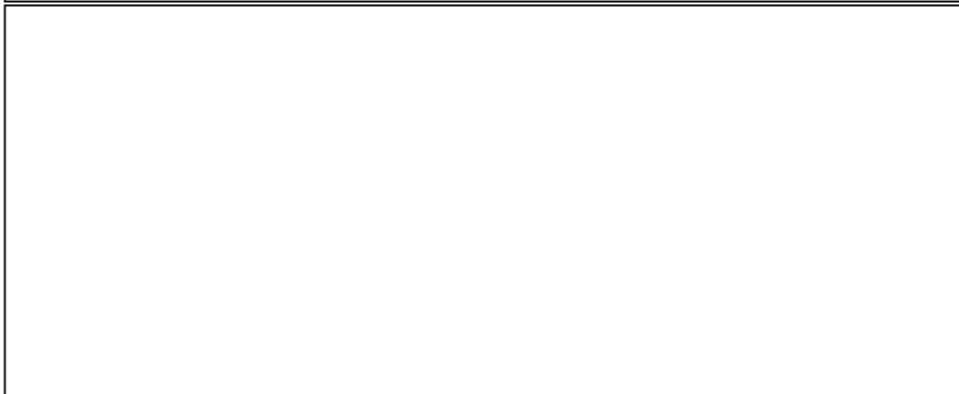
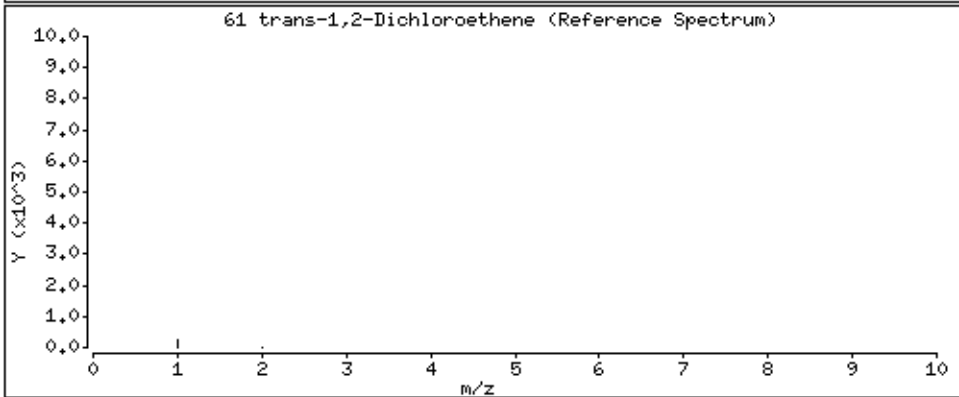
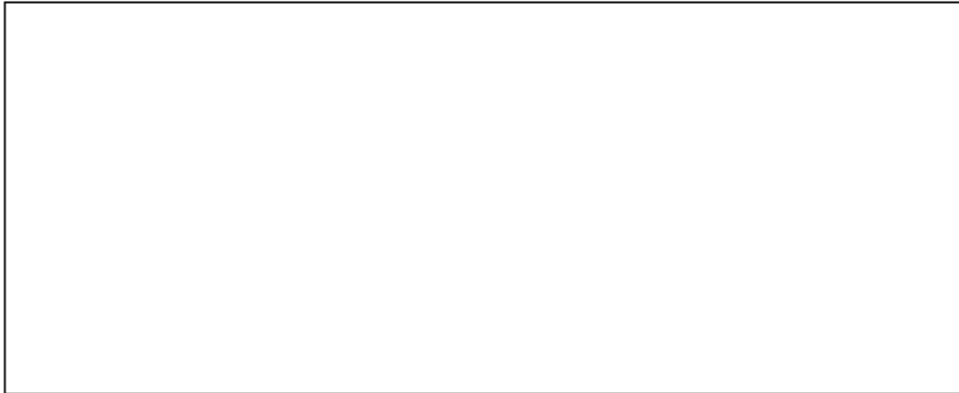
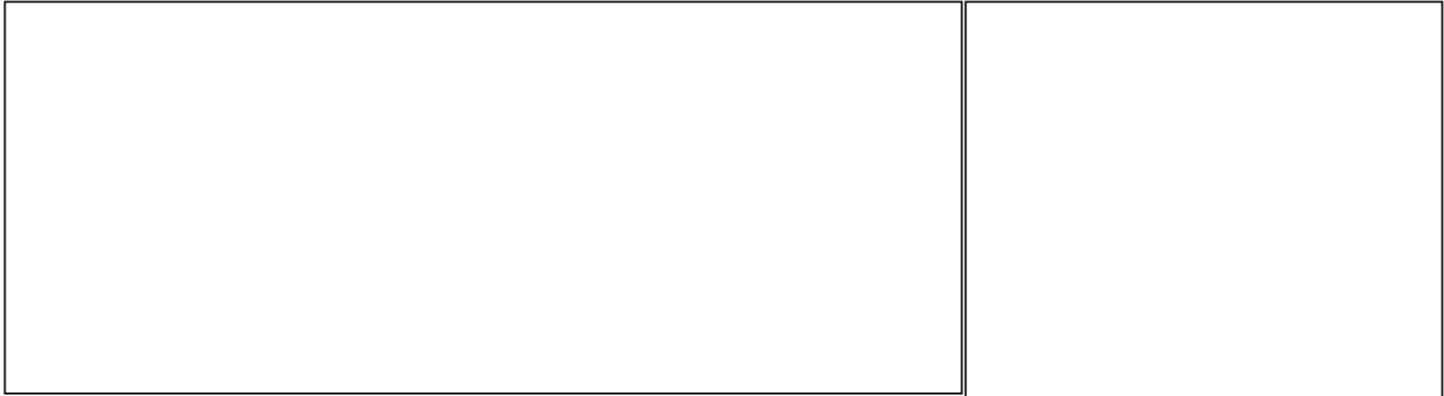
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

61 trans-1,2-Dichloroethene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

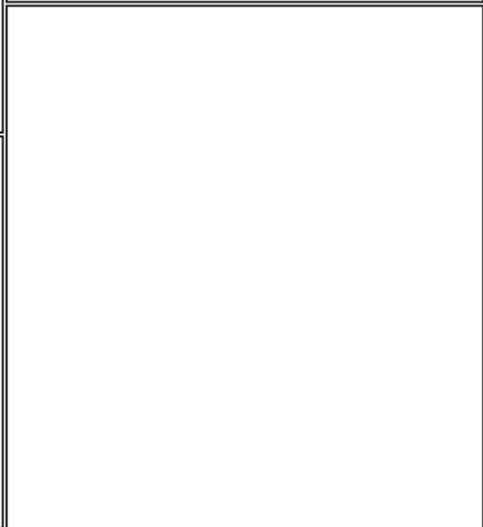
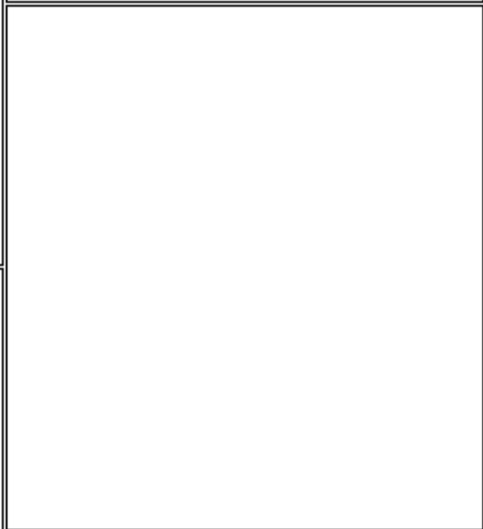
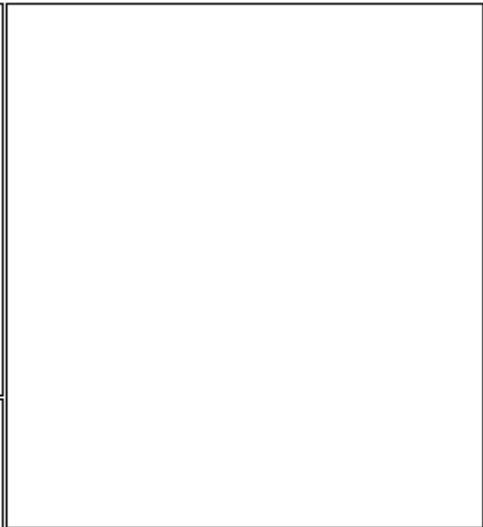
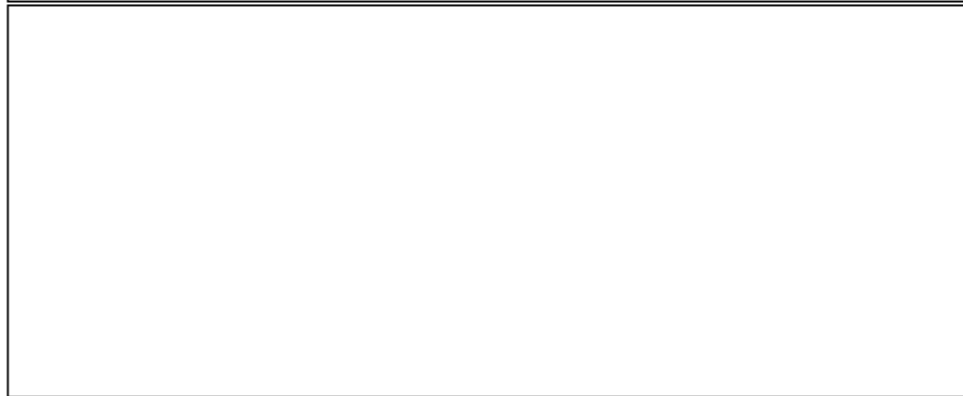
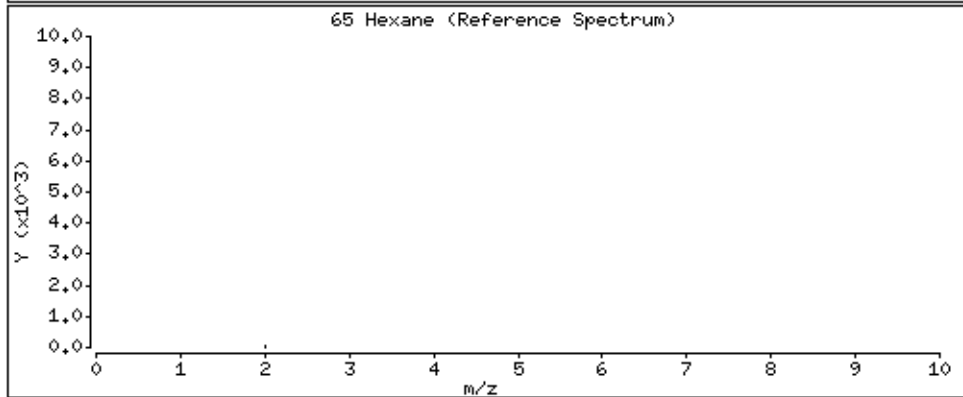
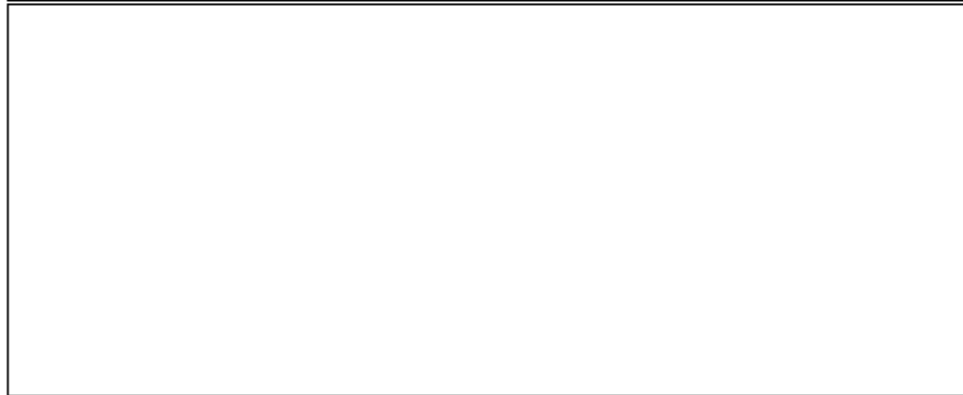
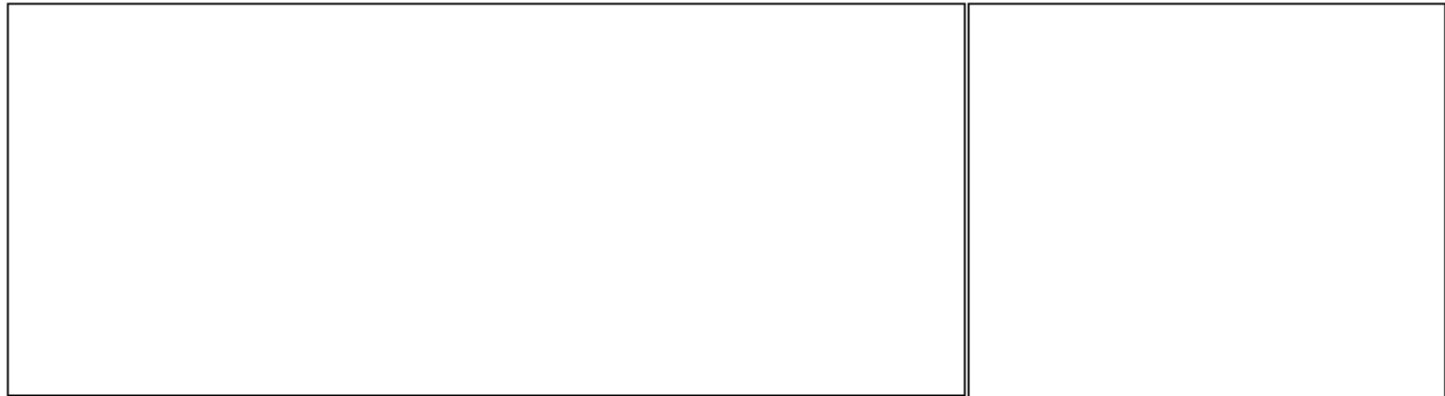
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

65 Hexane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

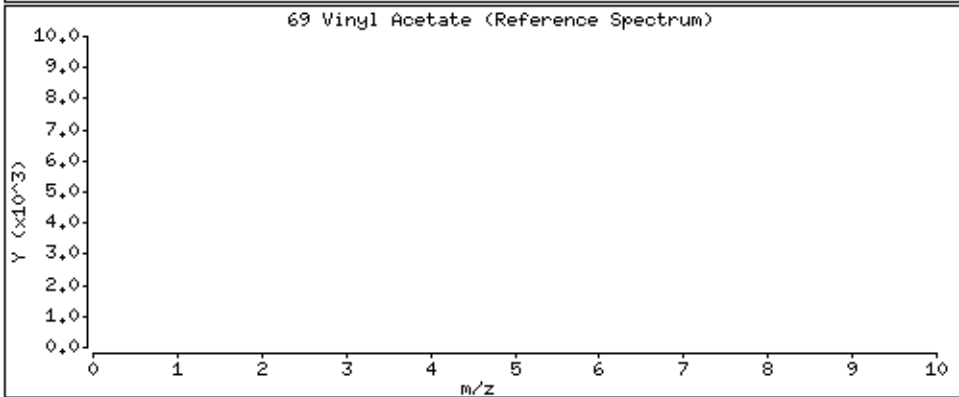
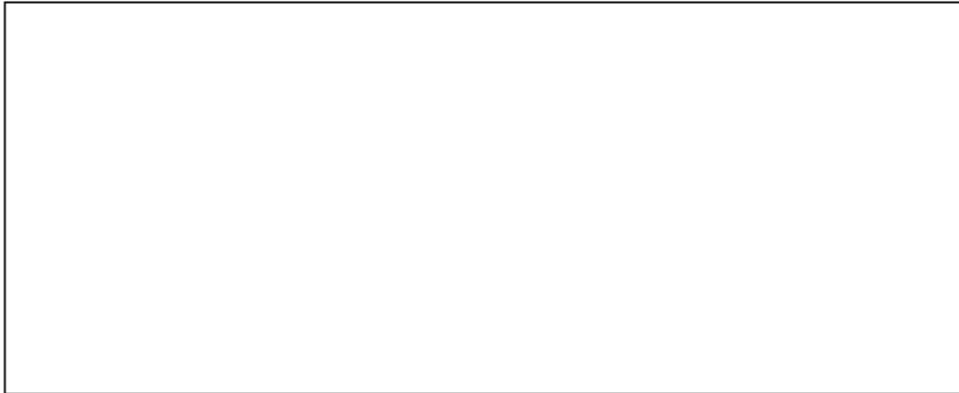
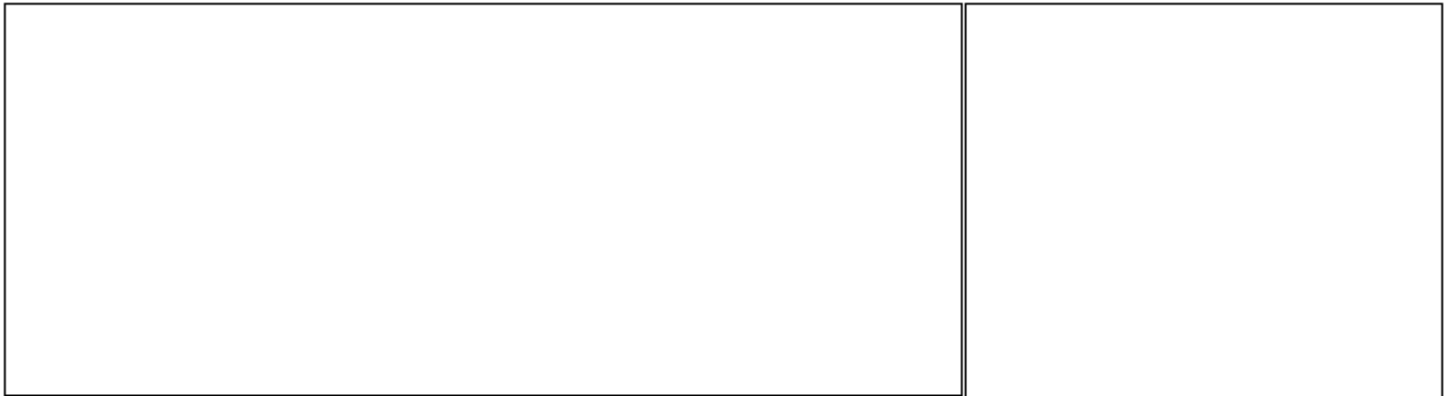
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

69 Vinyl Acetate



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

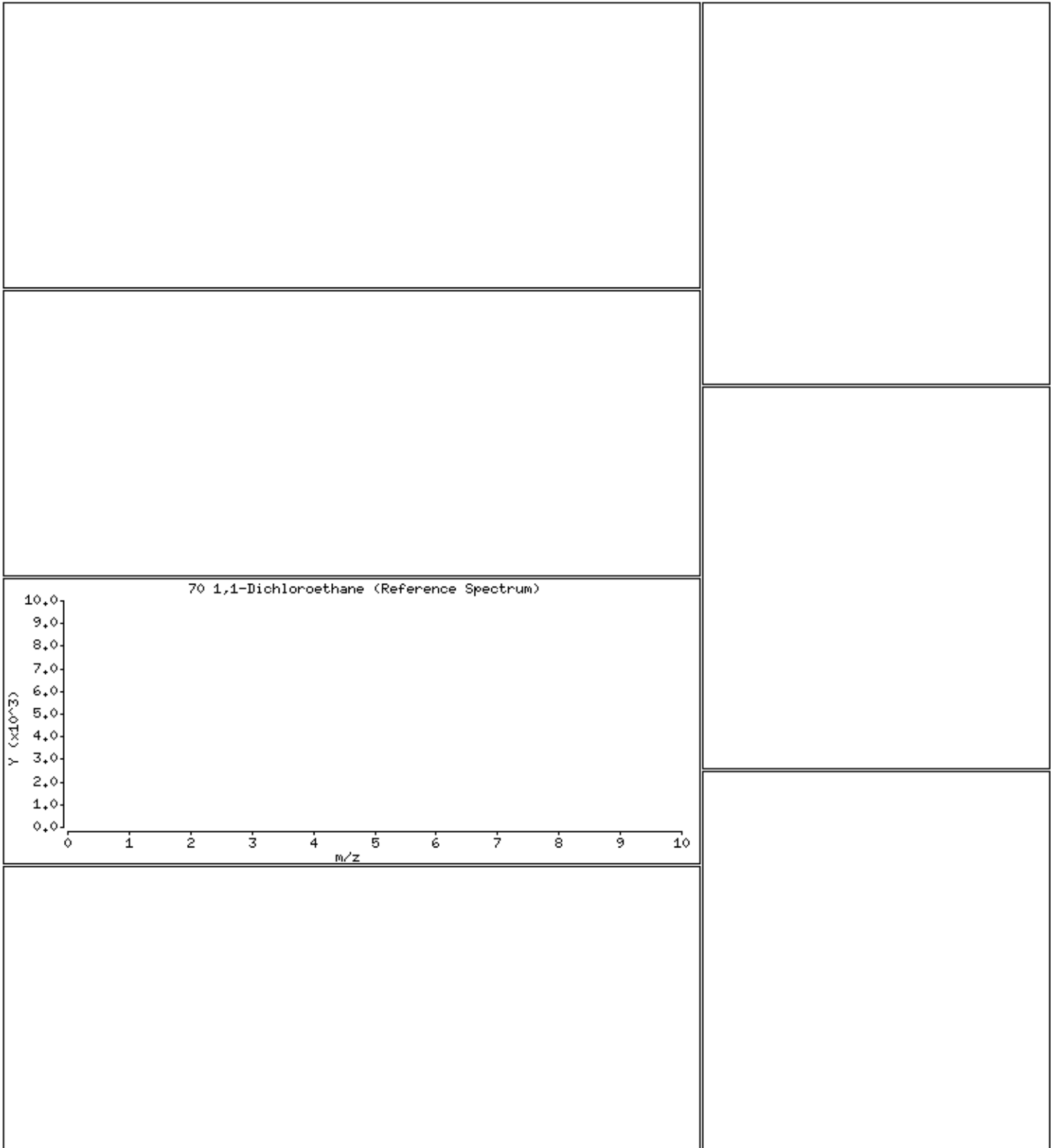
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

70 1,1-Dichloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

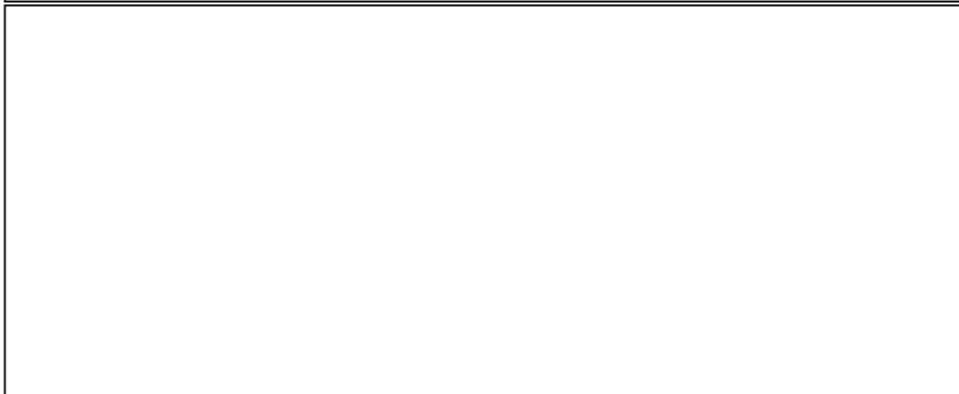
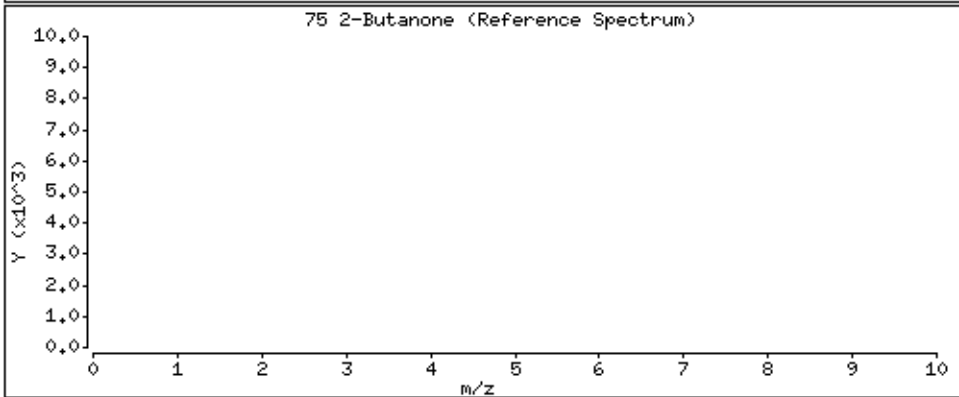
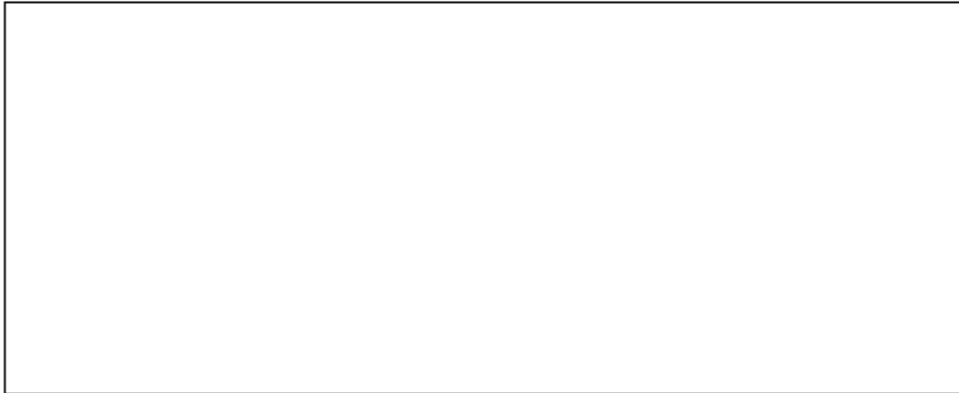
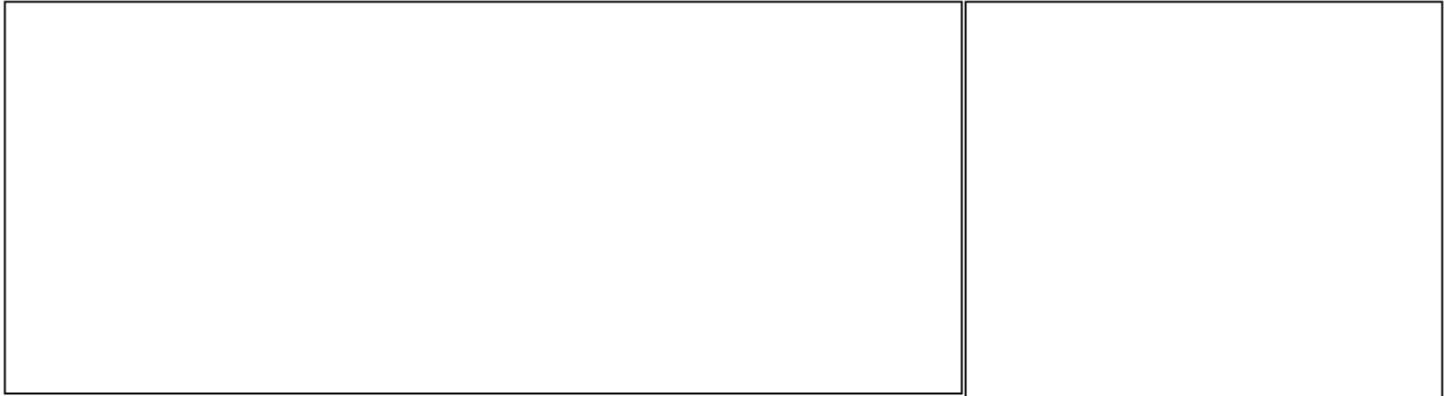
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

75 2-Butanone



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

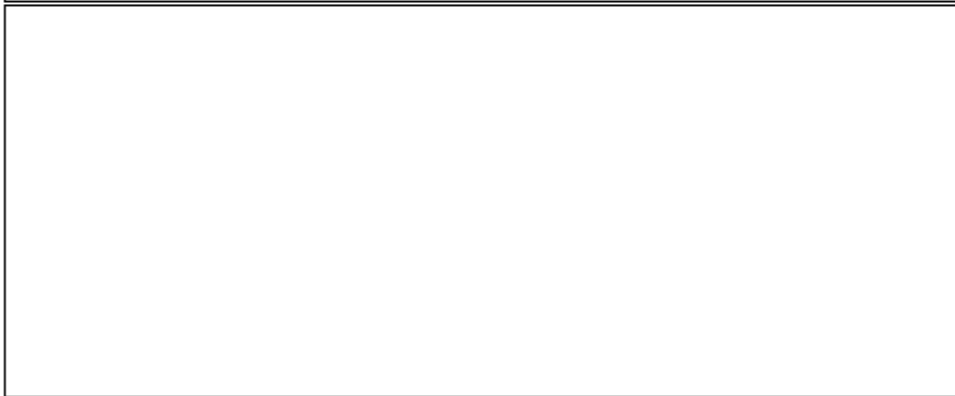
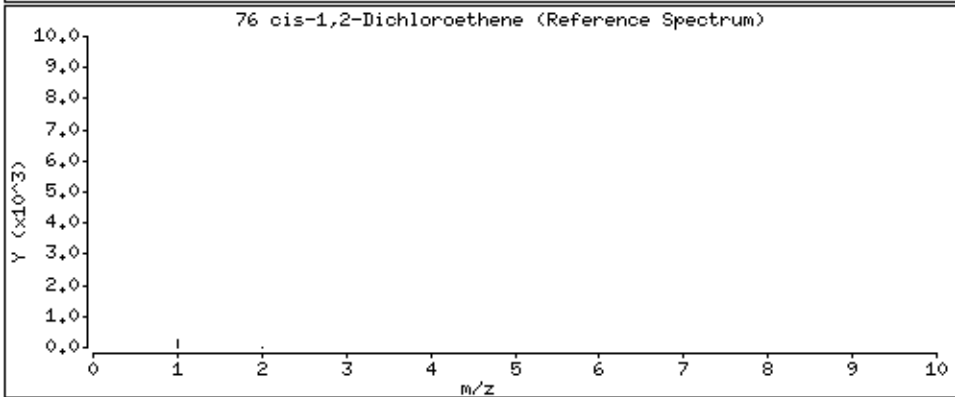
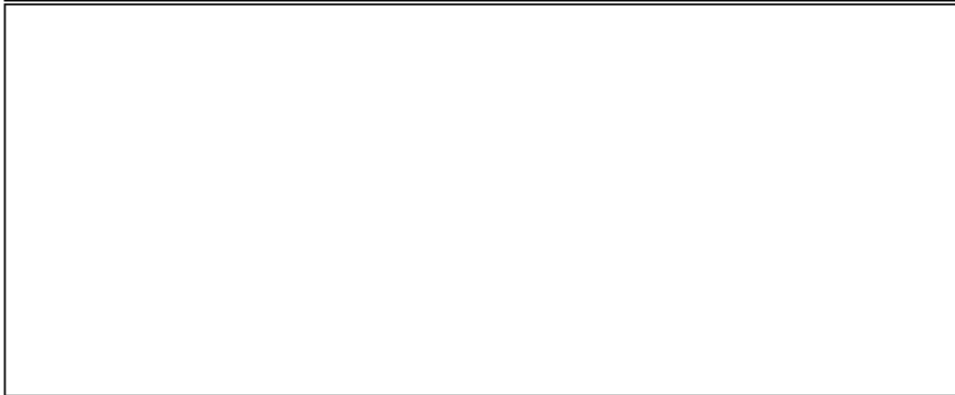
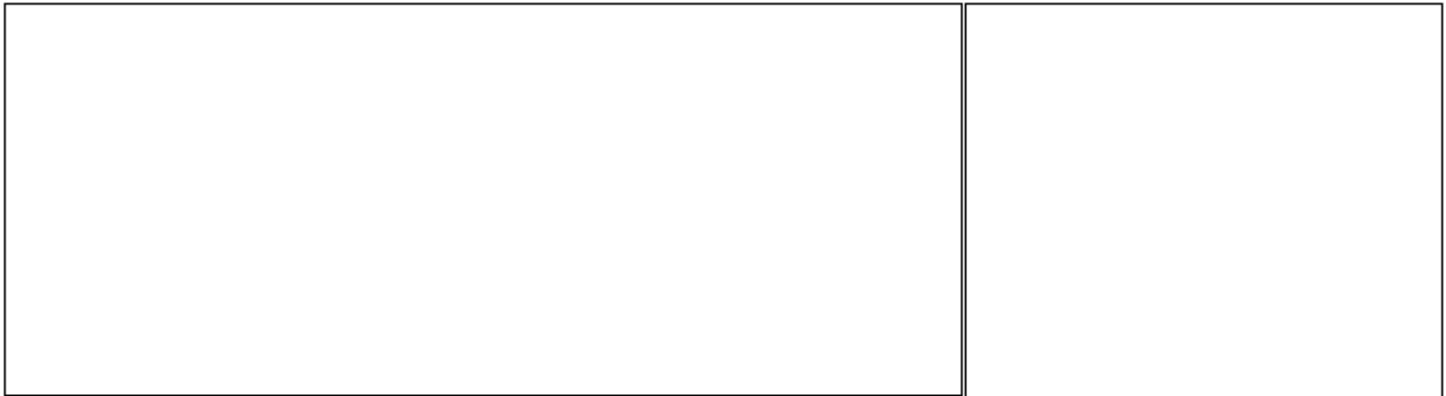
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

76 cis-1,2-Dichloroethene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

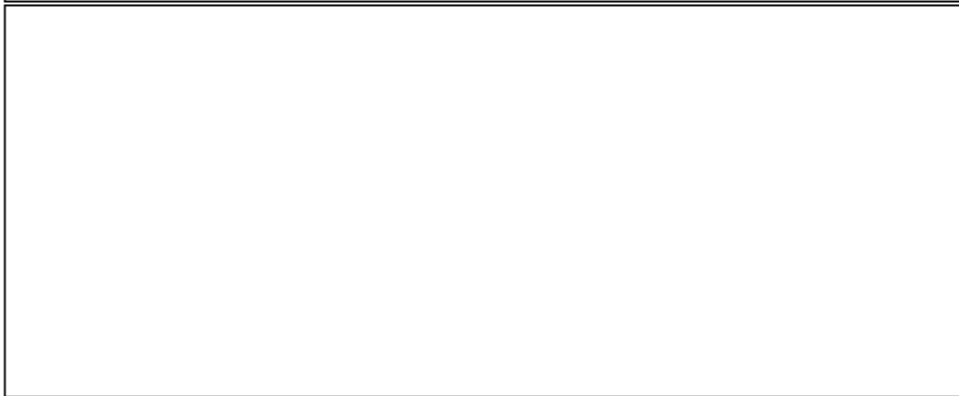
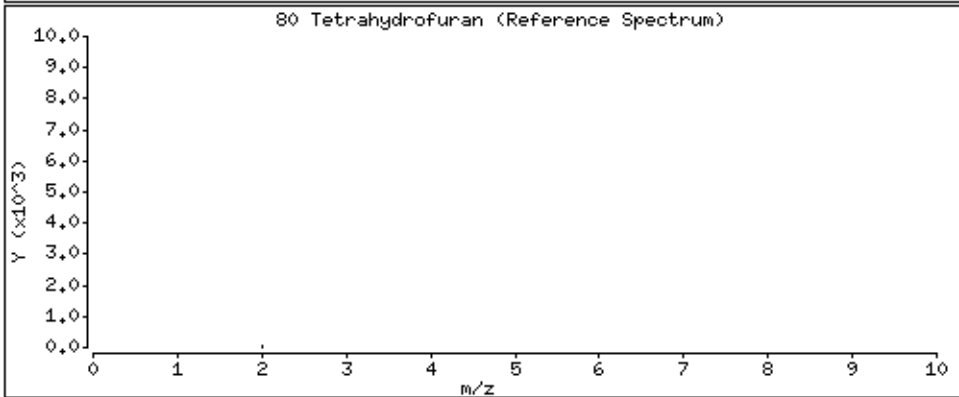
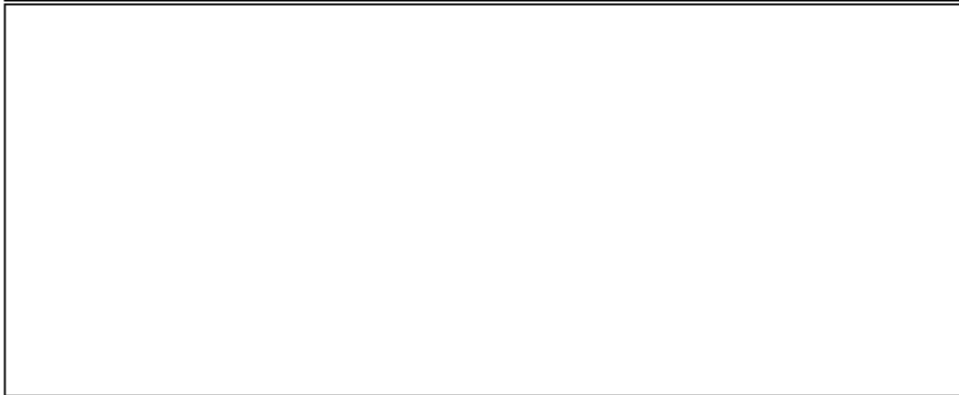
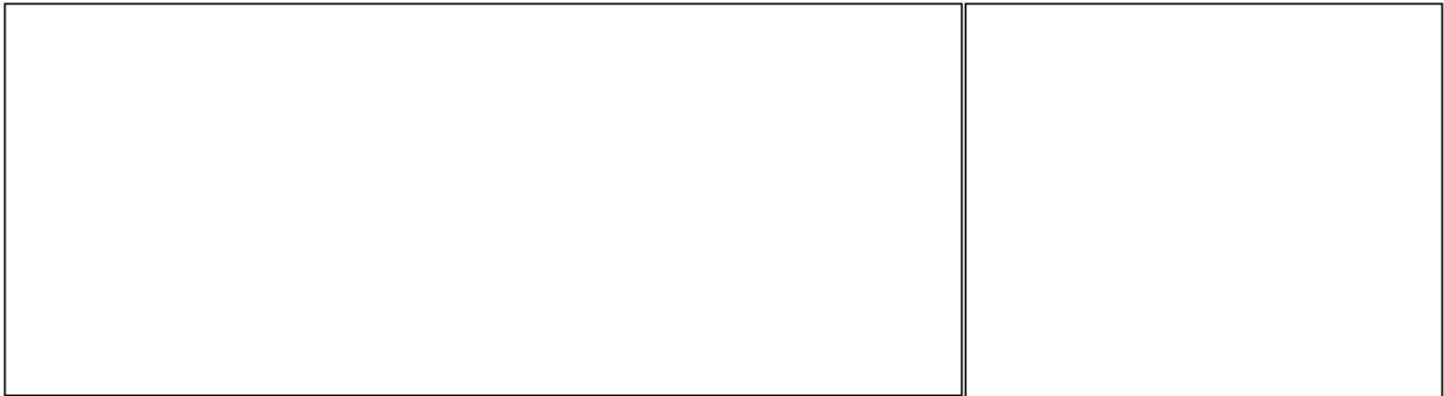
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

80 Tetrahydrofuran



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

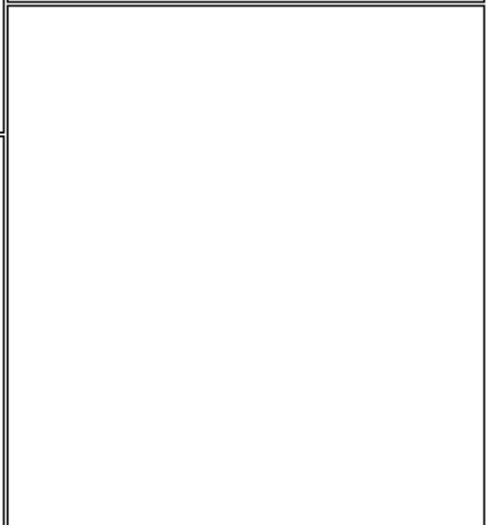
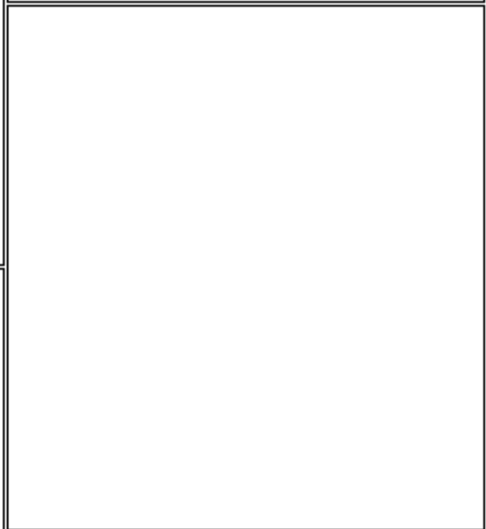
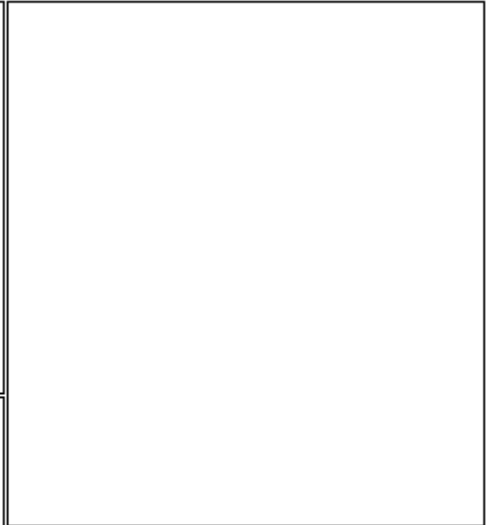
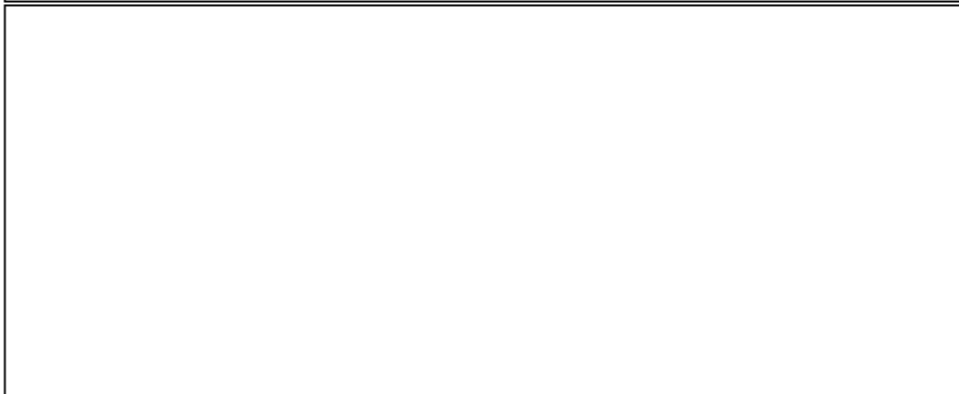
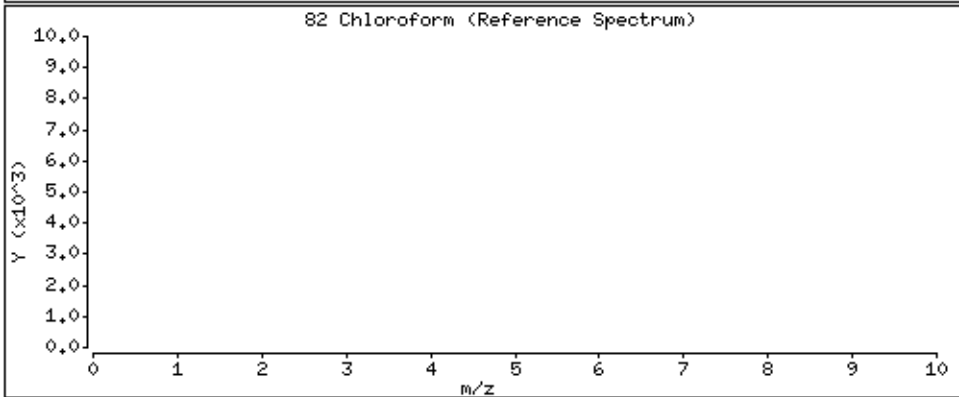
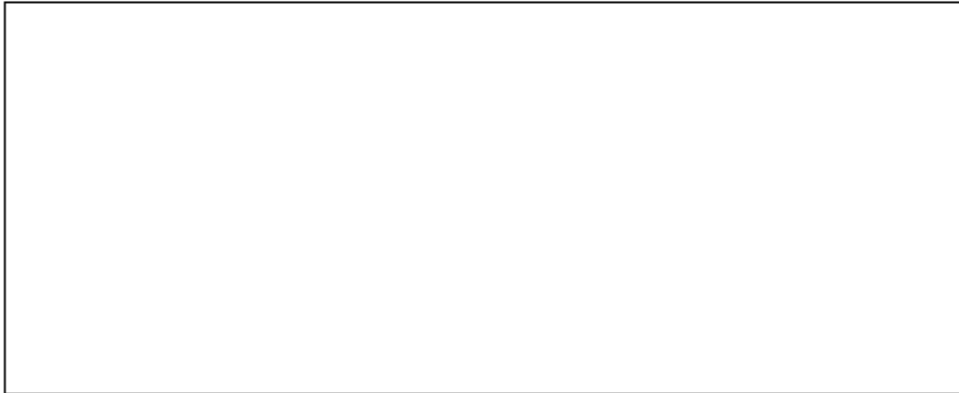
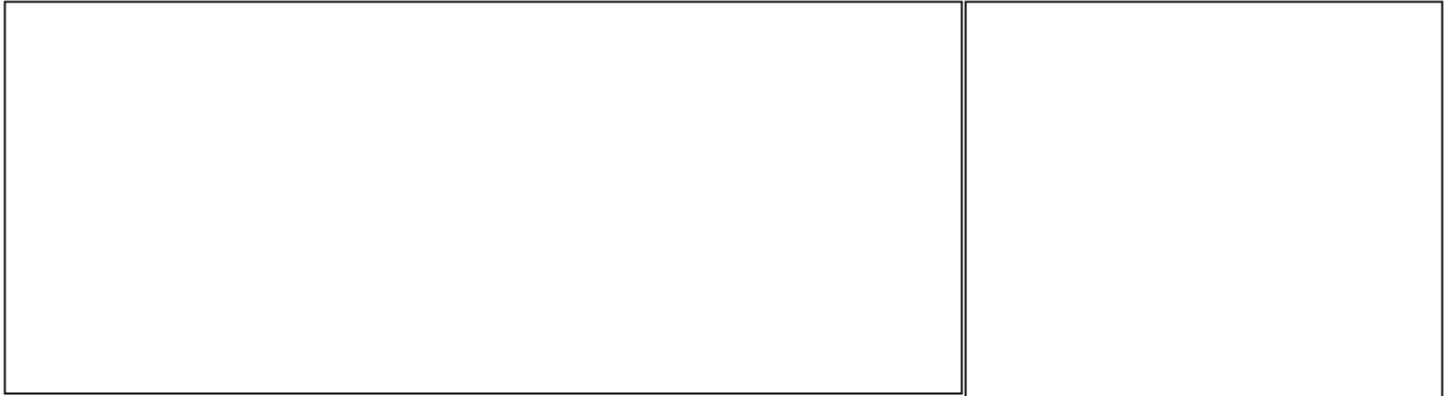
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

82 Chloroform



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

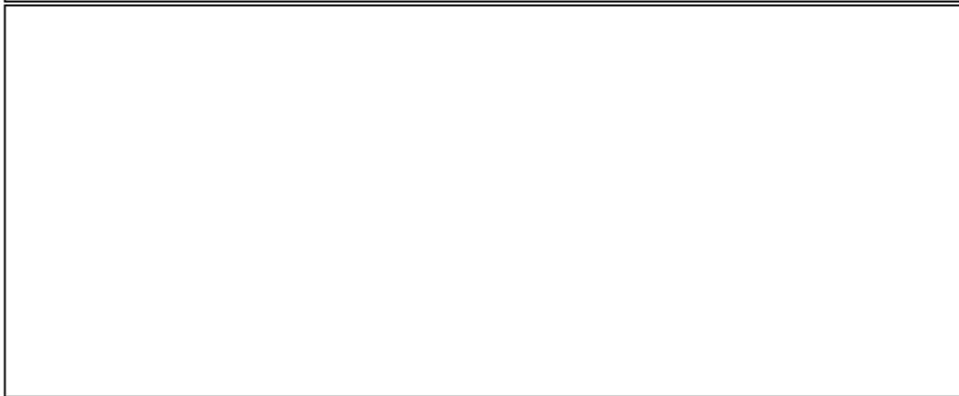
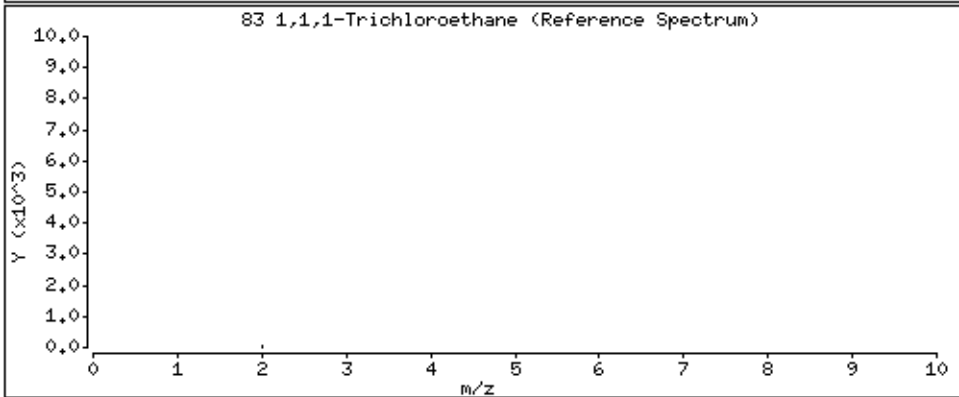
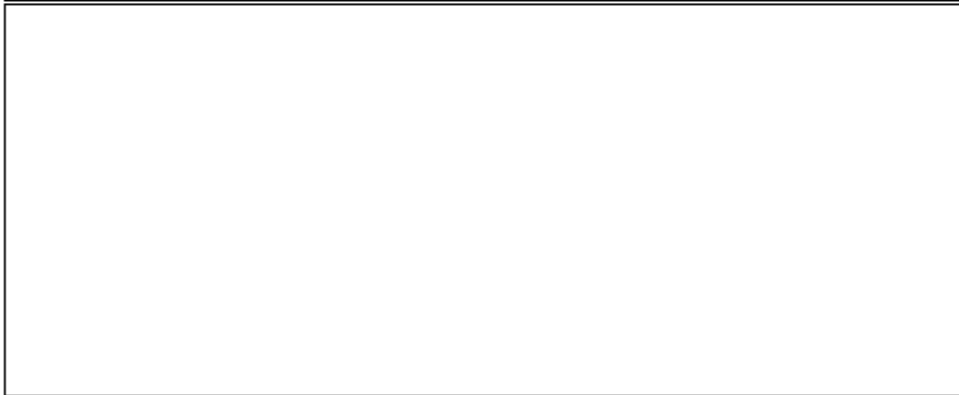
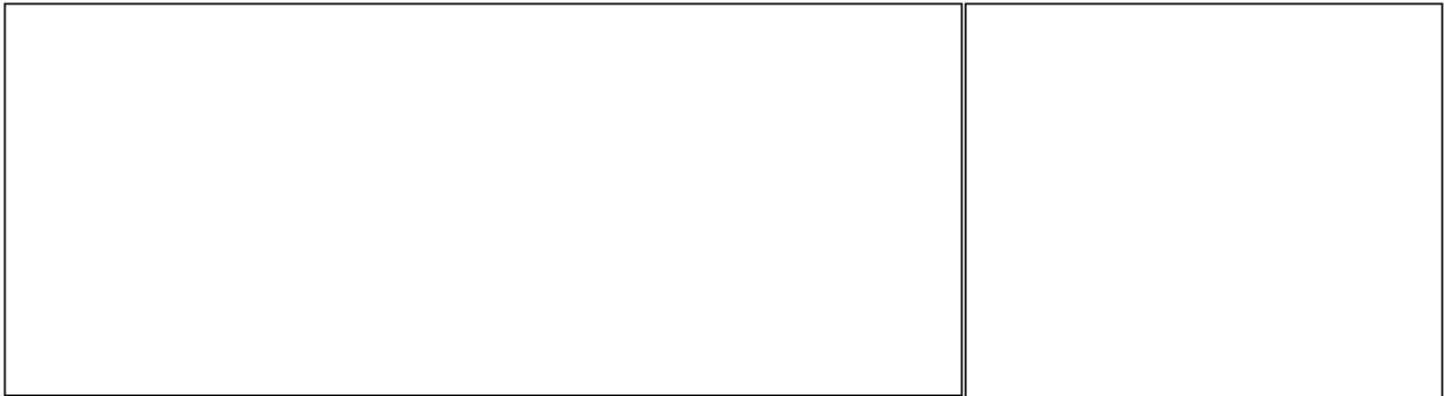
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

83 1,1,1-Trichloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

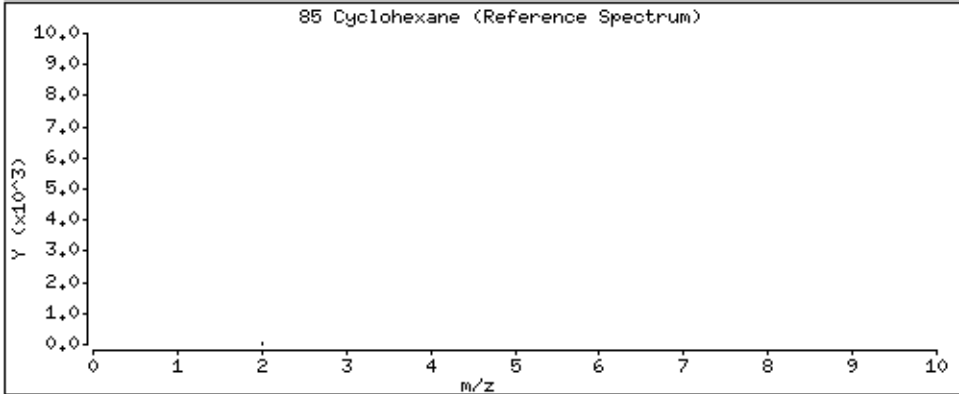
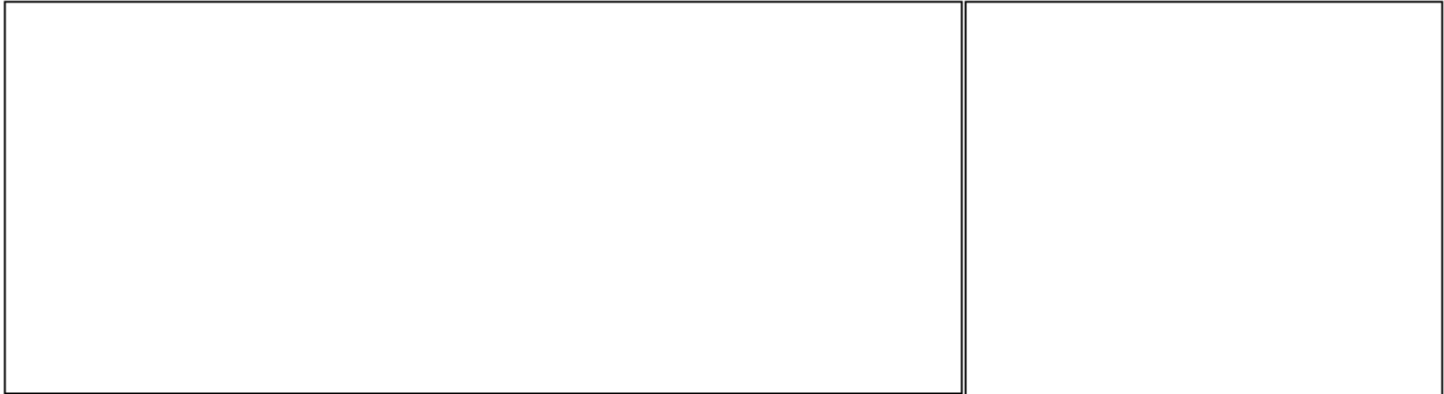
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

85 Cyclohexane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

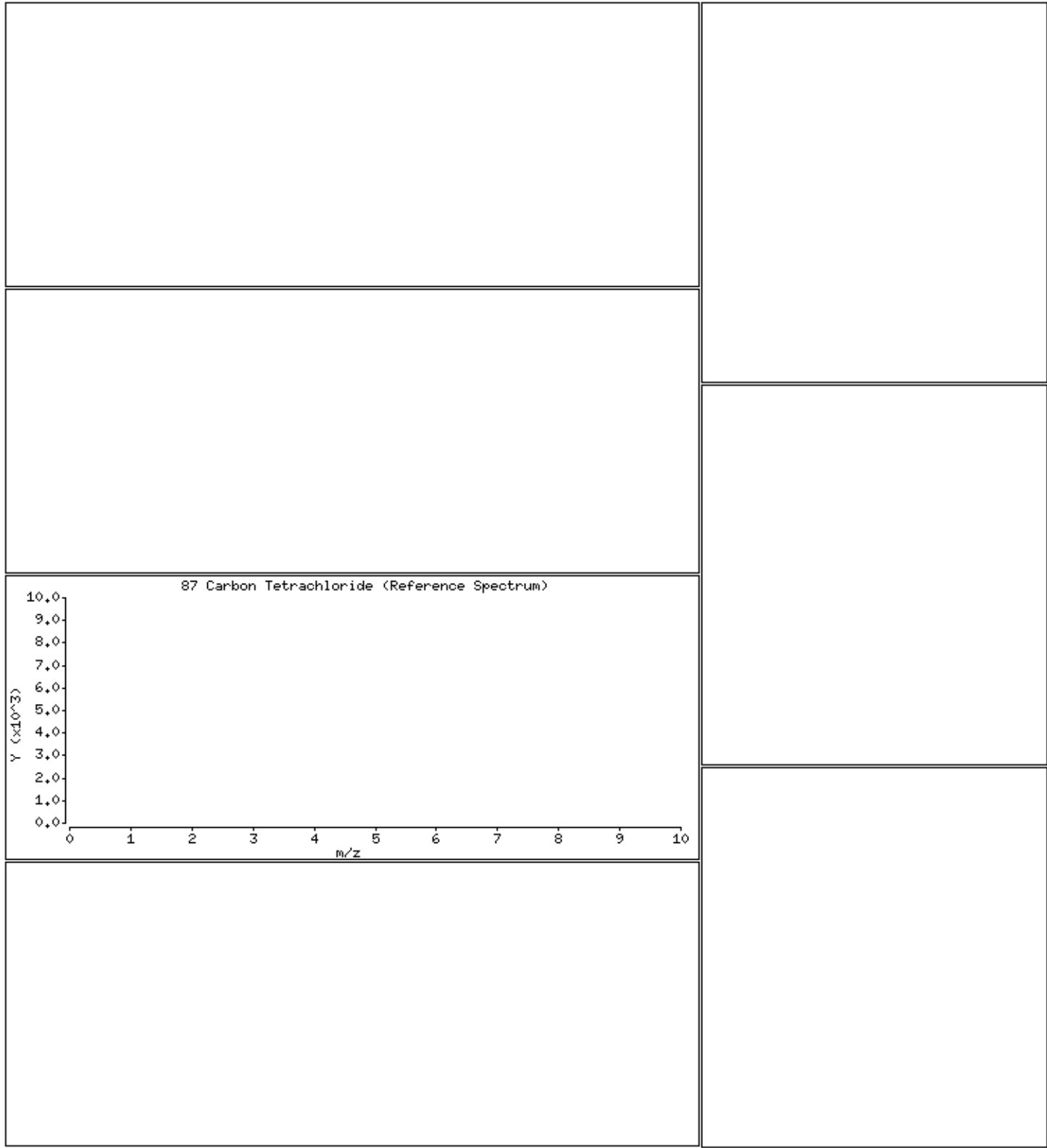
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

87 Carbon Tetrachloride



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

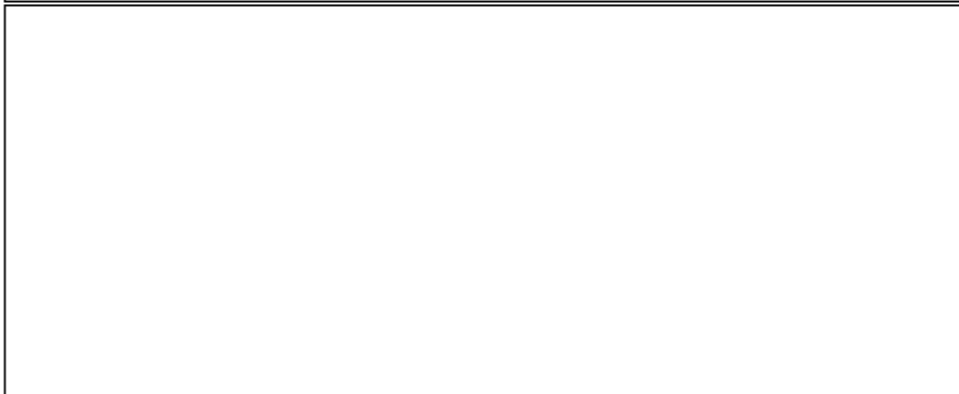
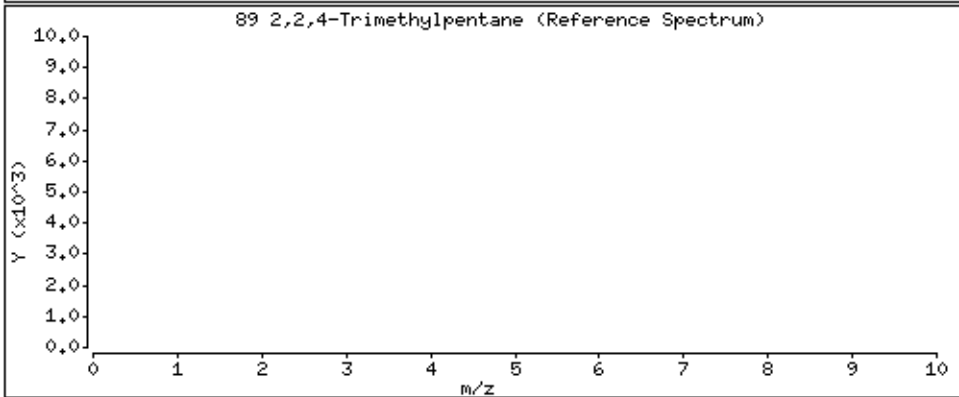
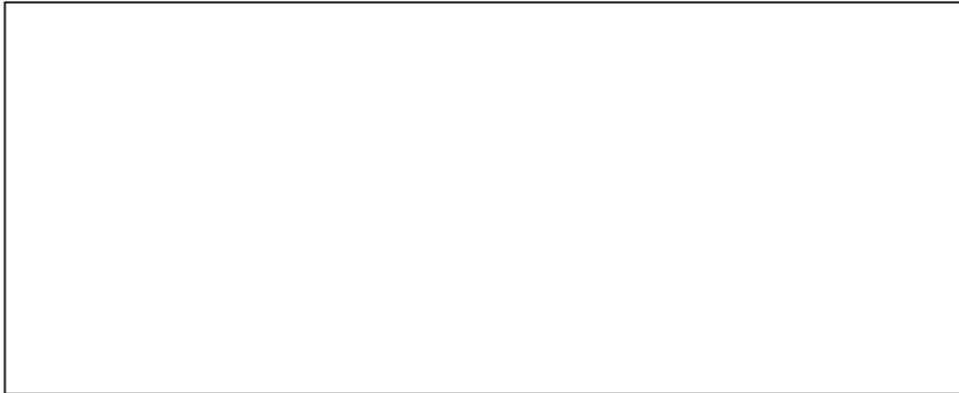
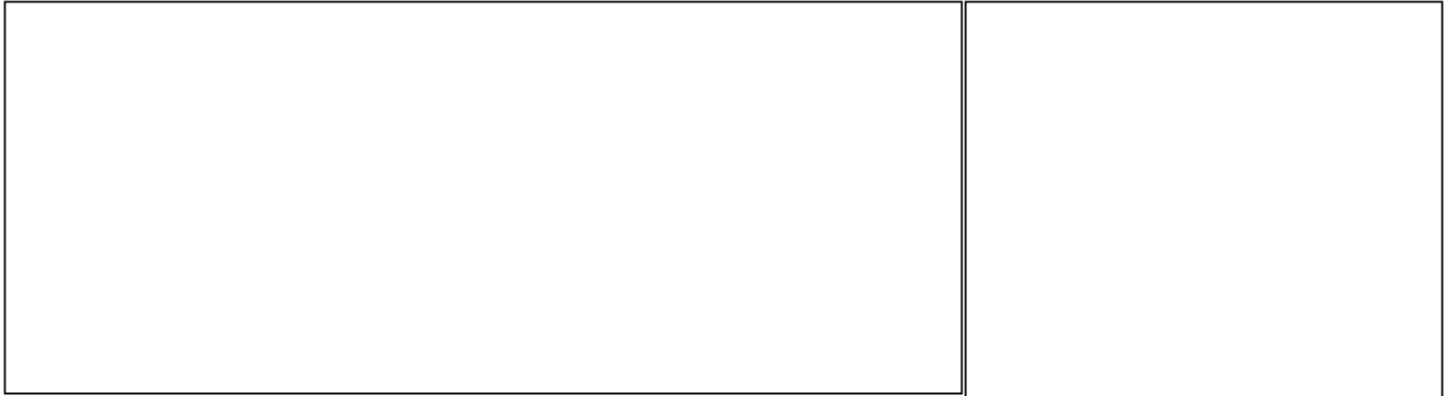
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

89 2,2,4-Trimethylpentane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

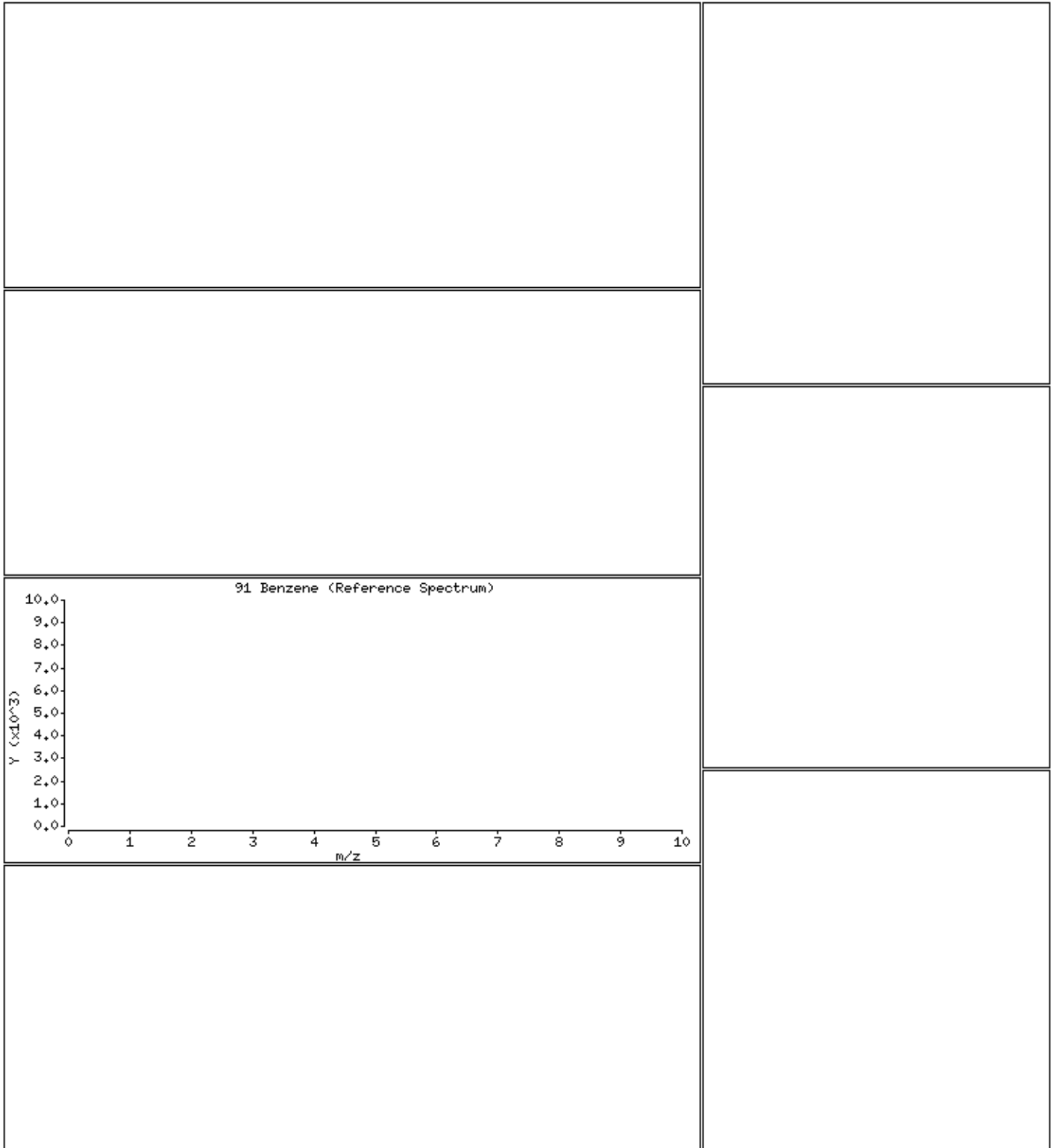
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

91 Benzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

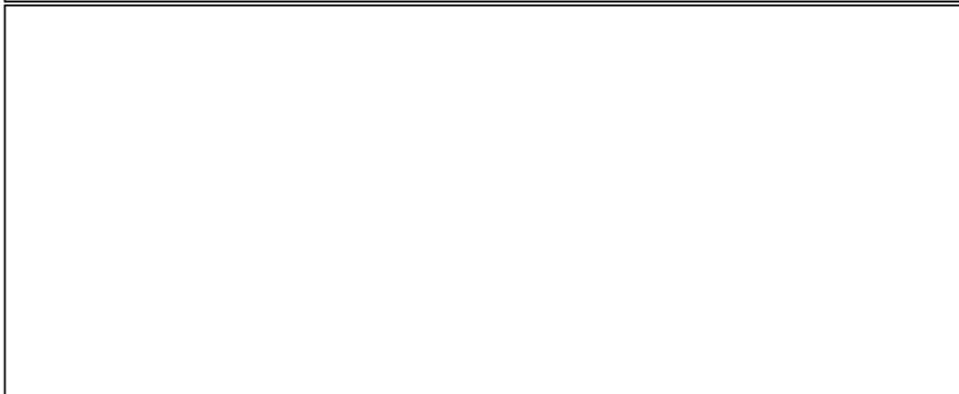
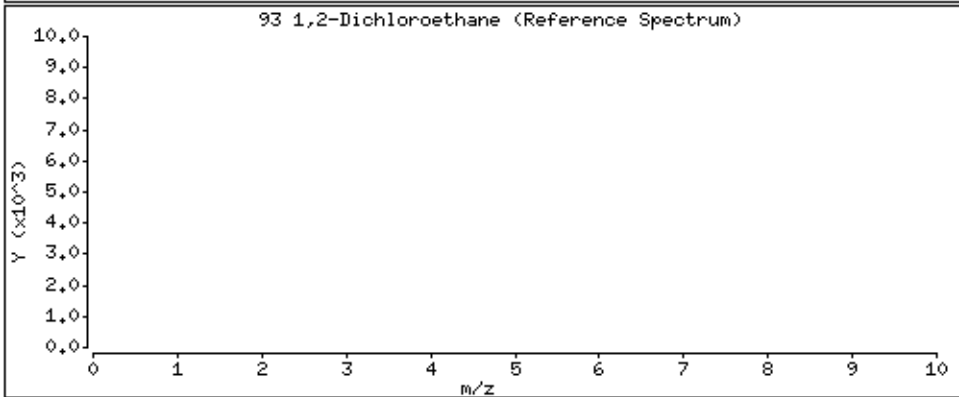
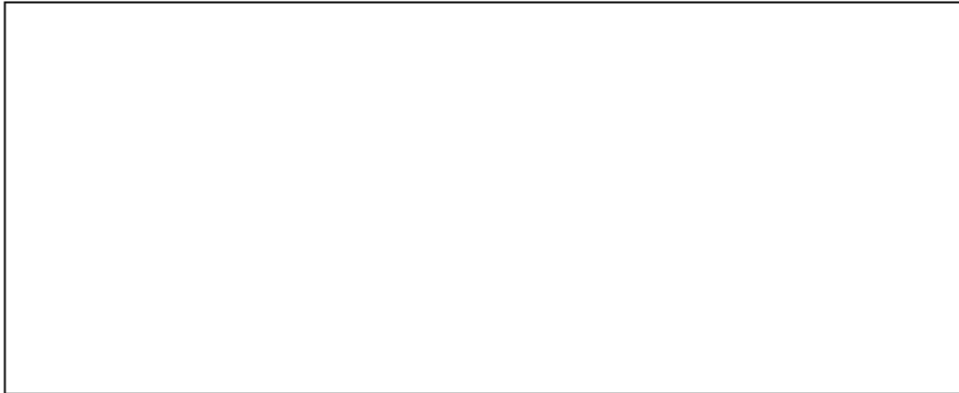
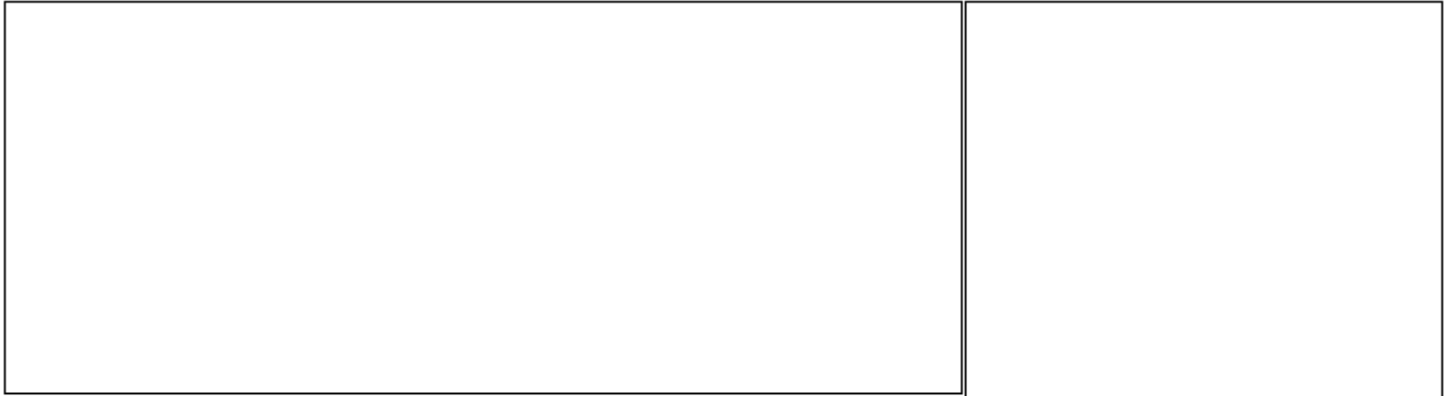
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

93 1,2-Dichloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

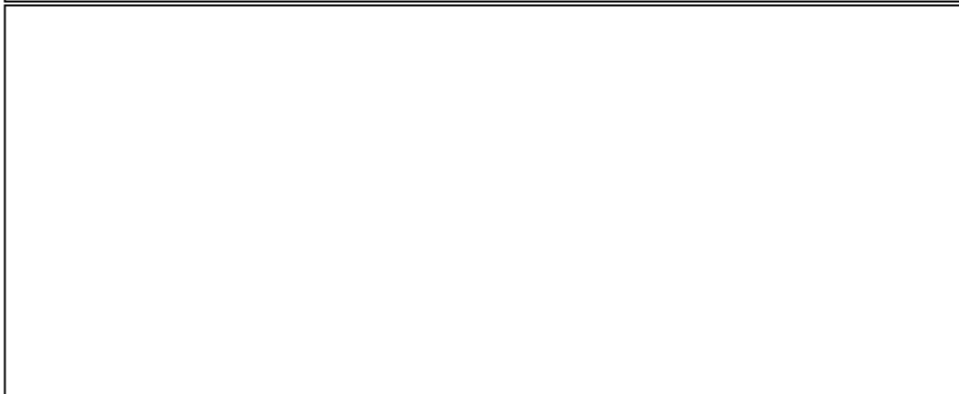
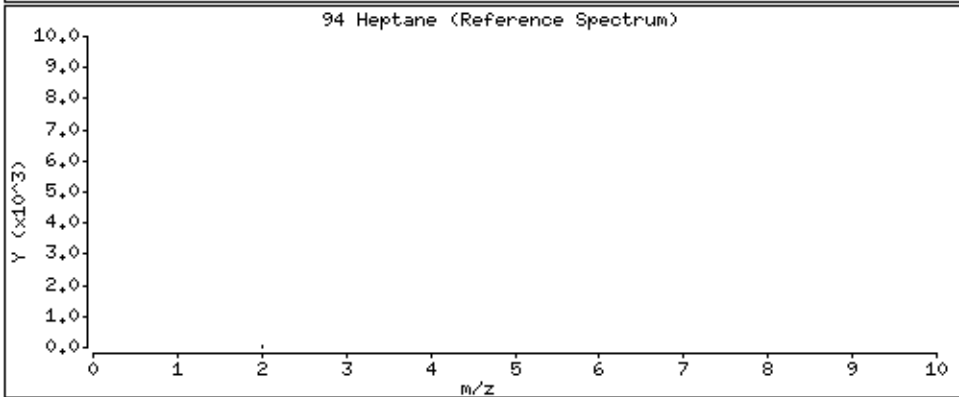
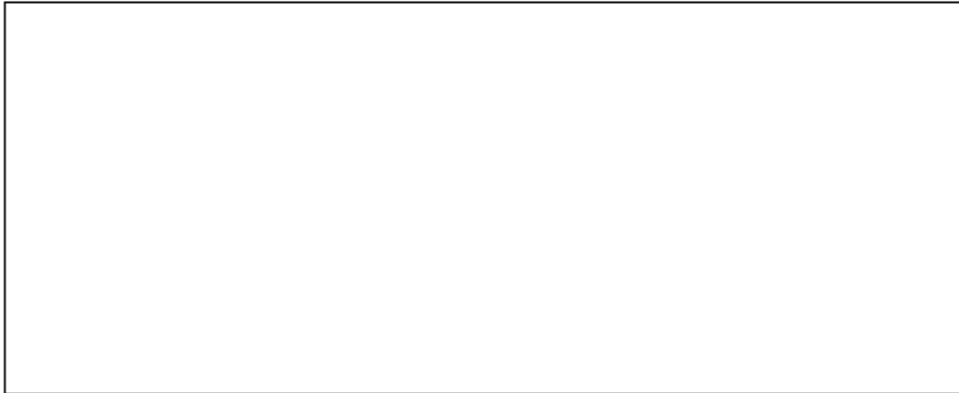
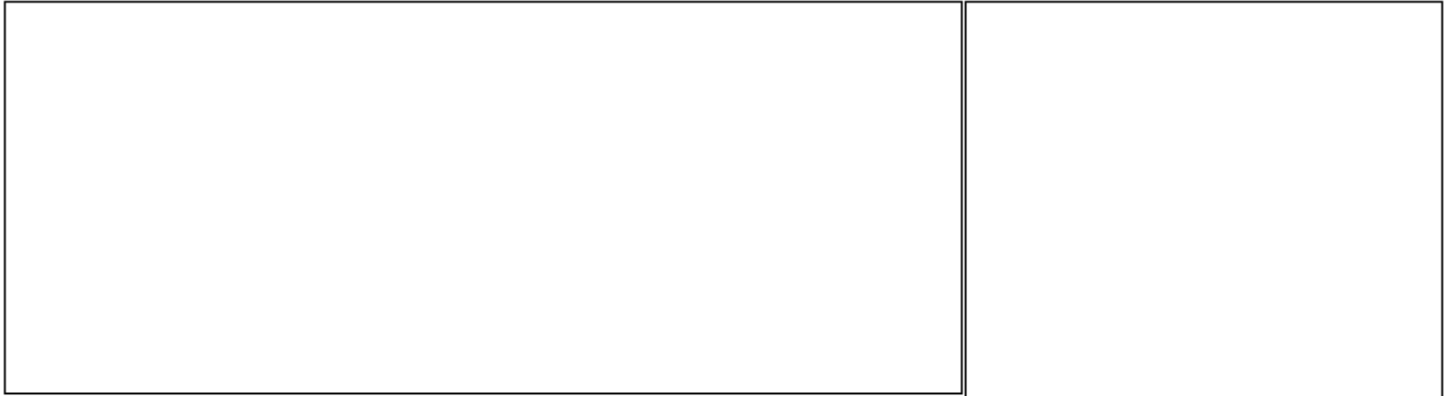
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

94 Heptane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

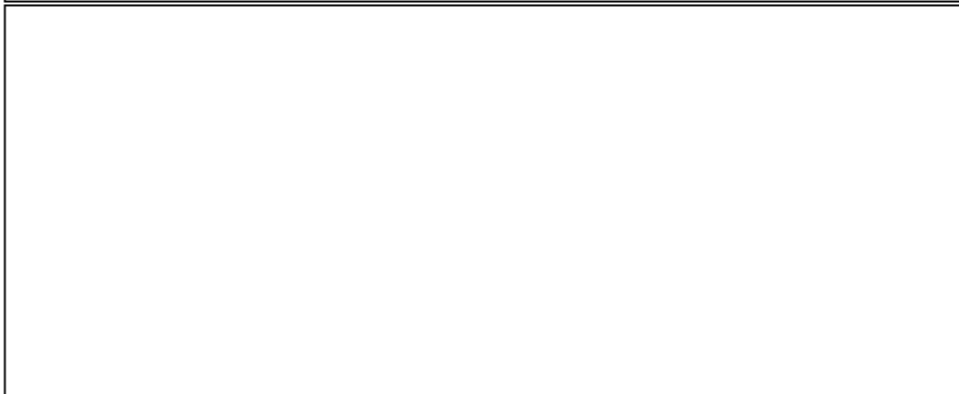
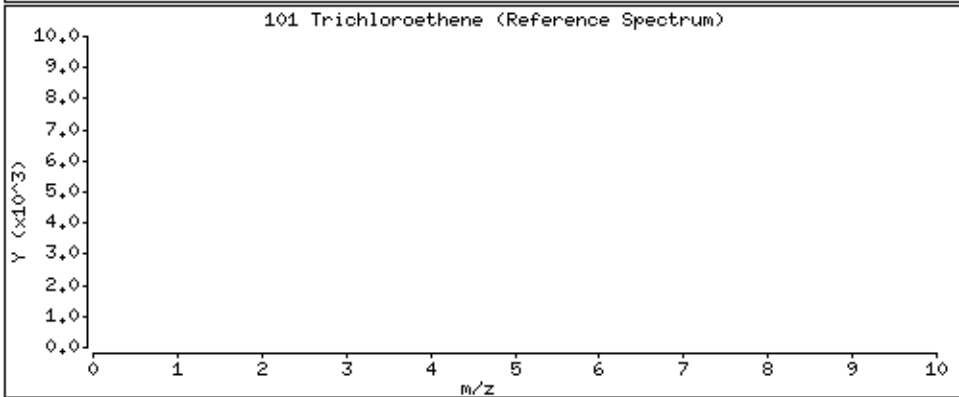
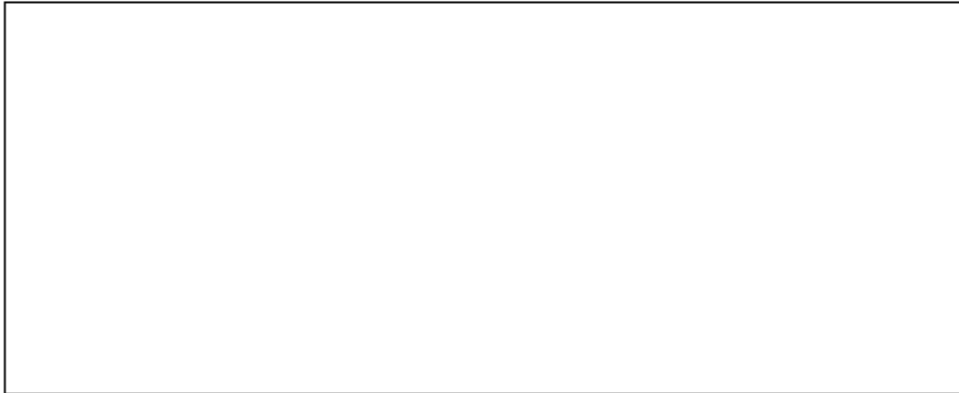
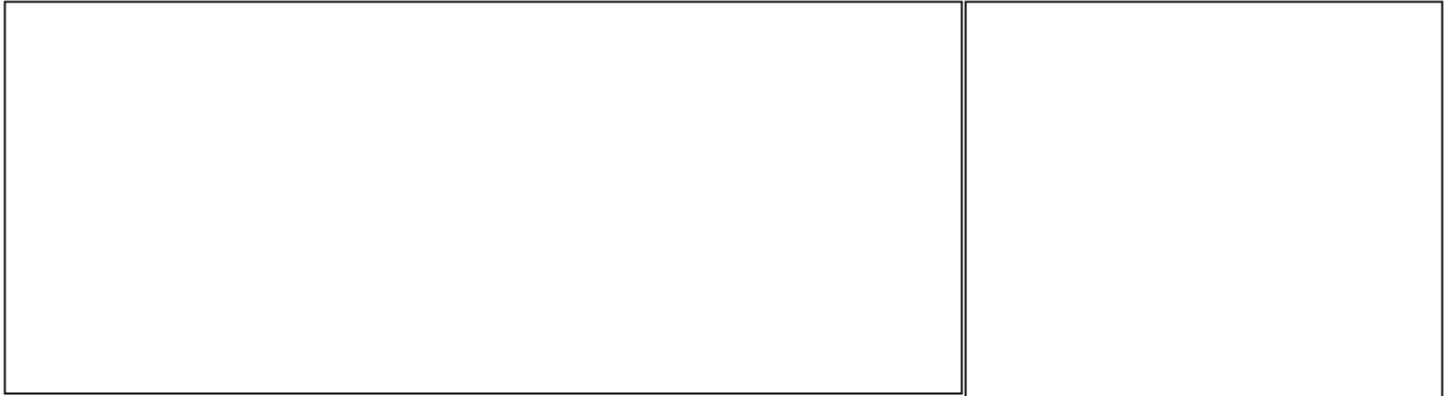
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

101 Trichloroethene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

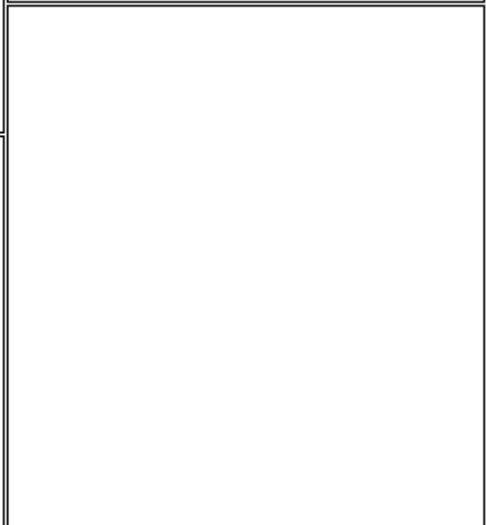
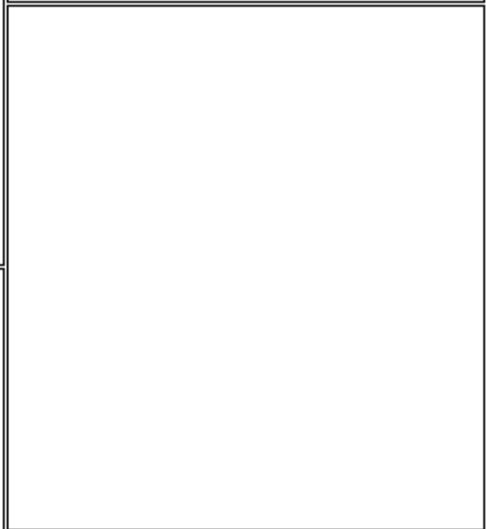
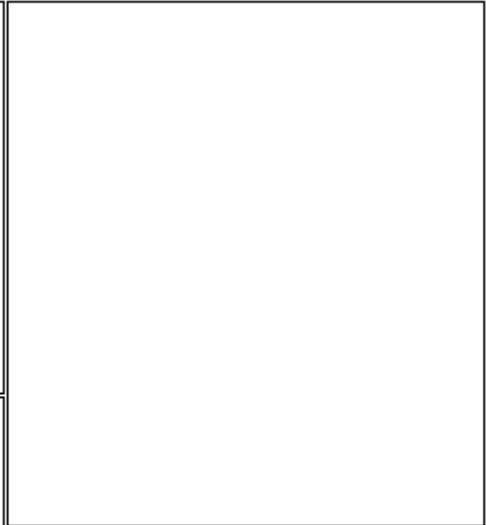
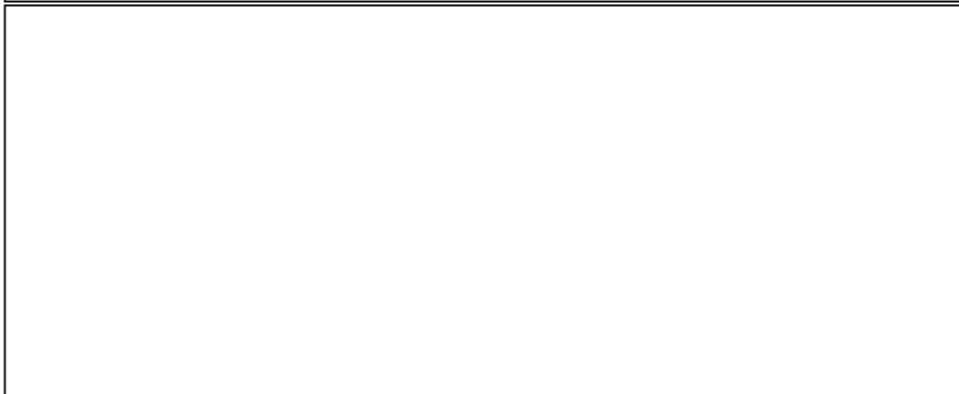
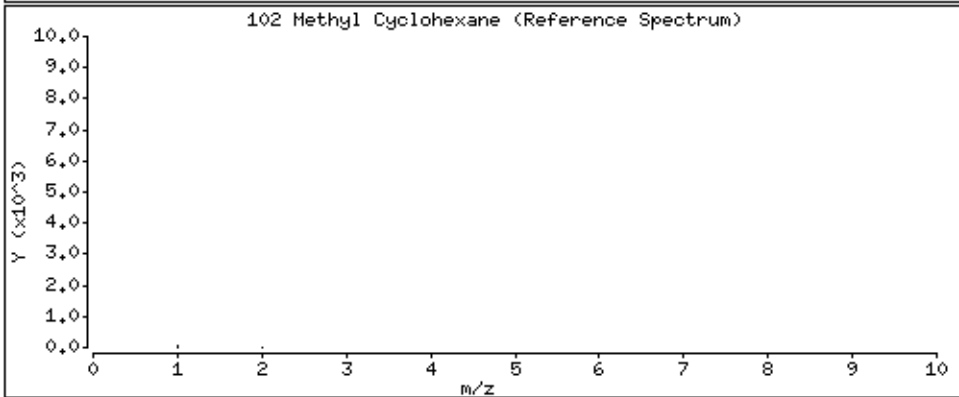
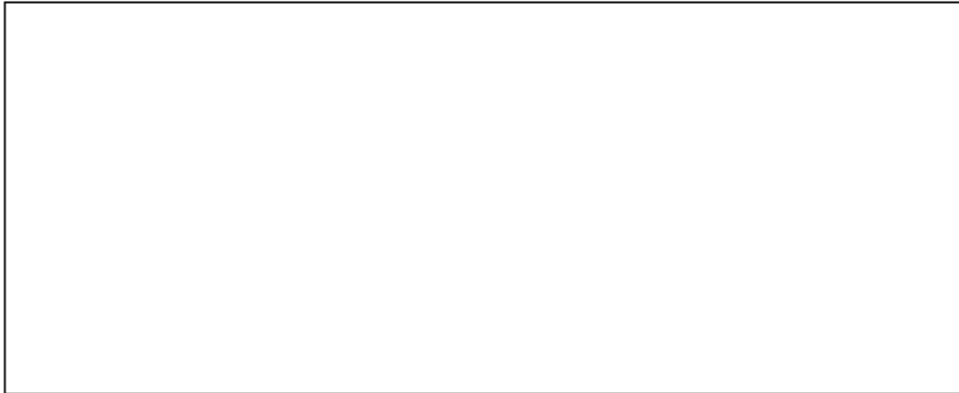
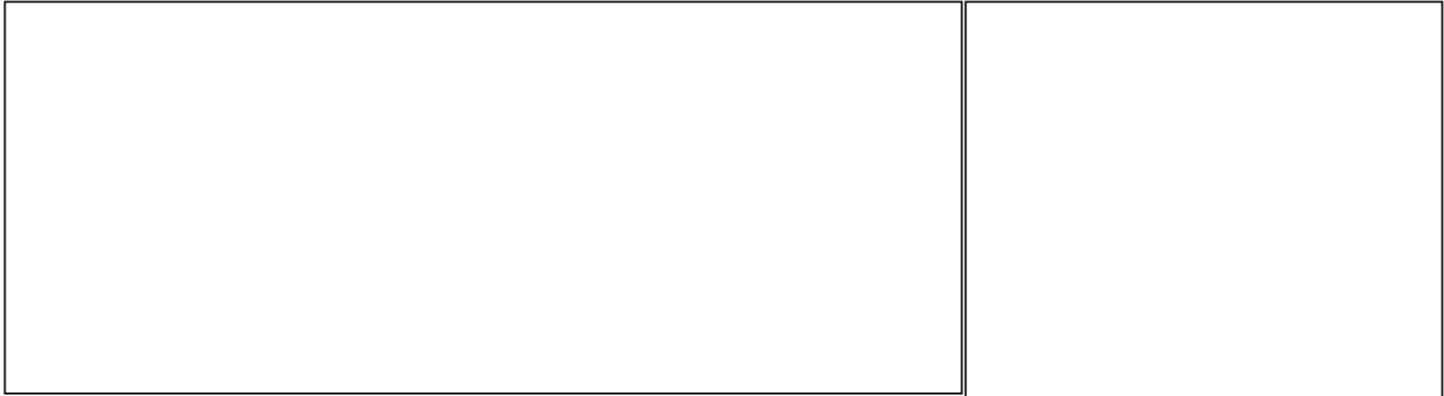
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

102 Methyl Cyclohexane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

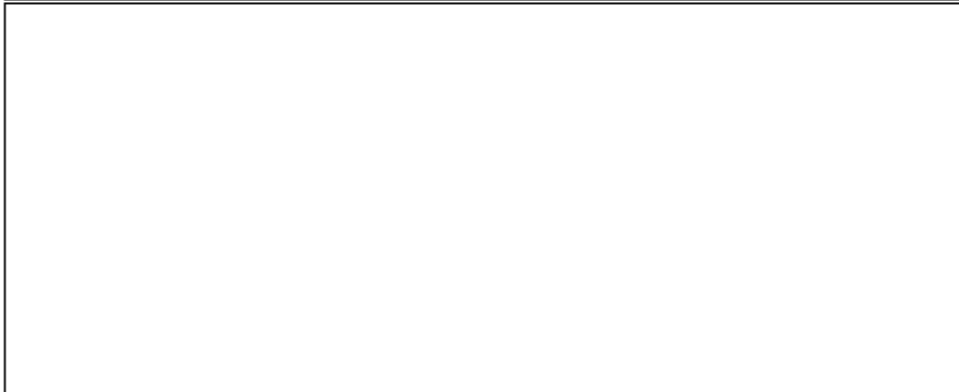
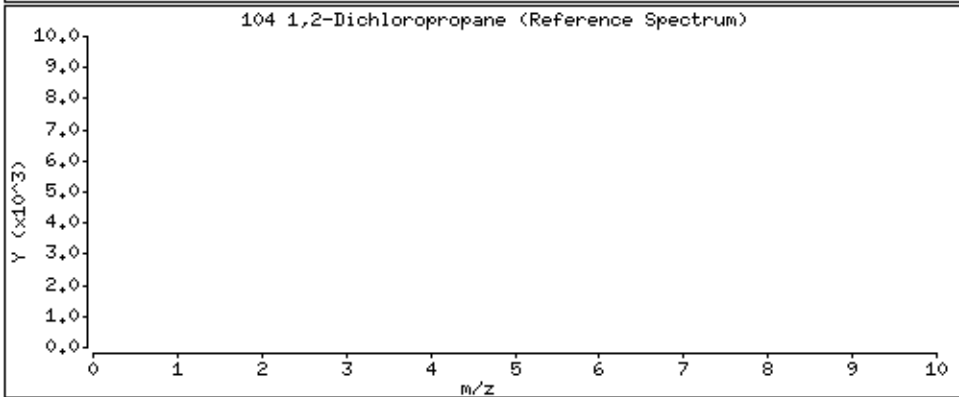
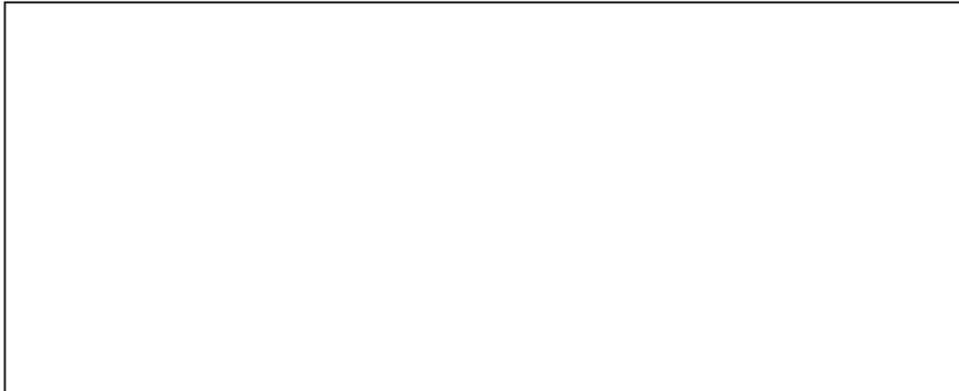
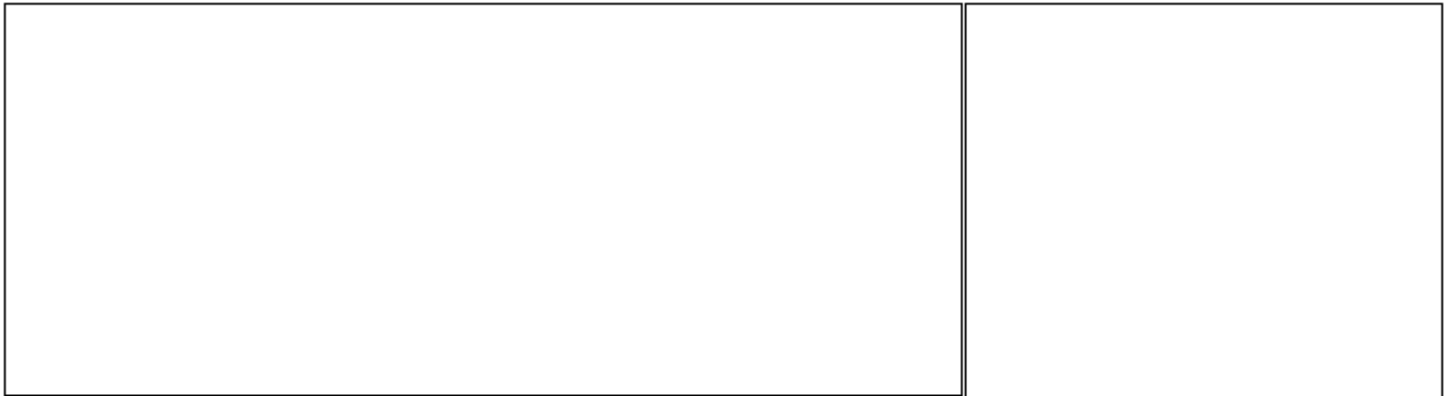
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

104 1,2-Dichloropropane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

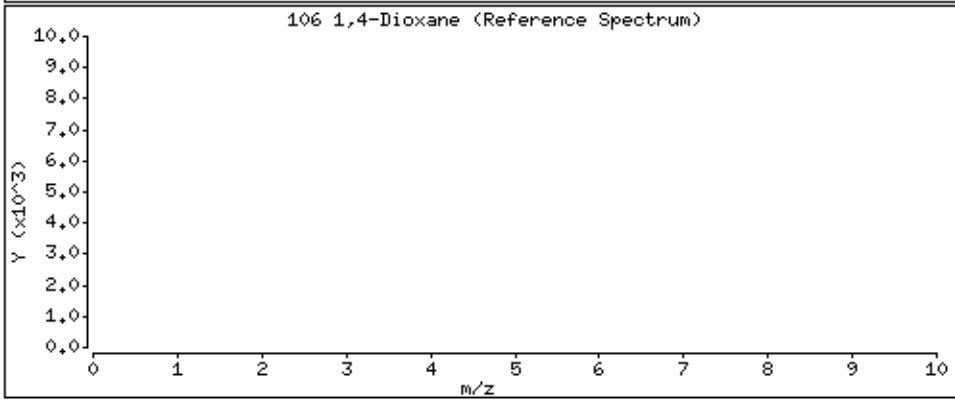
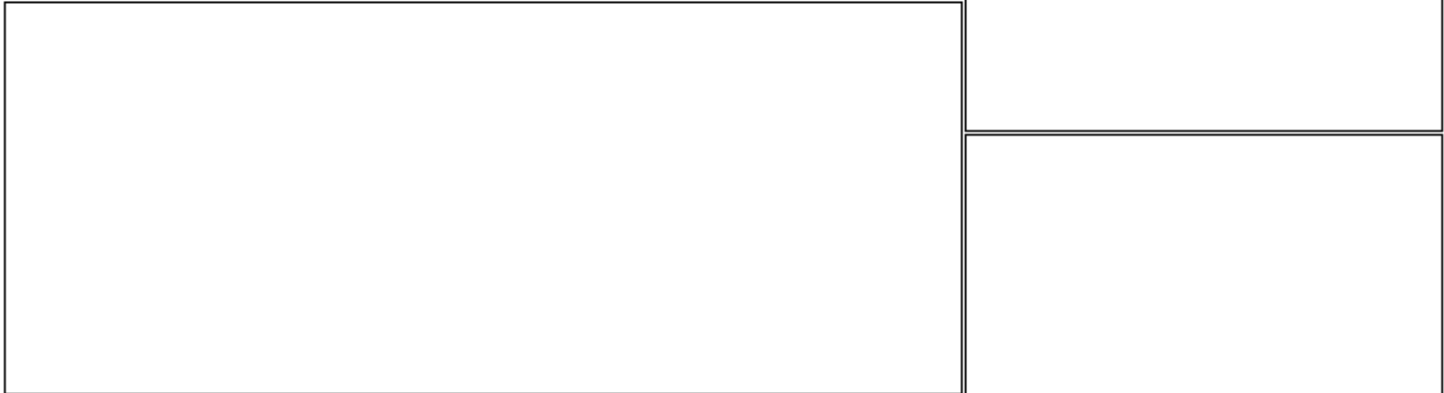
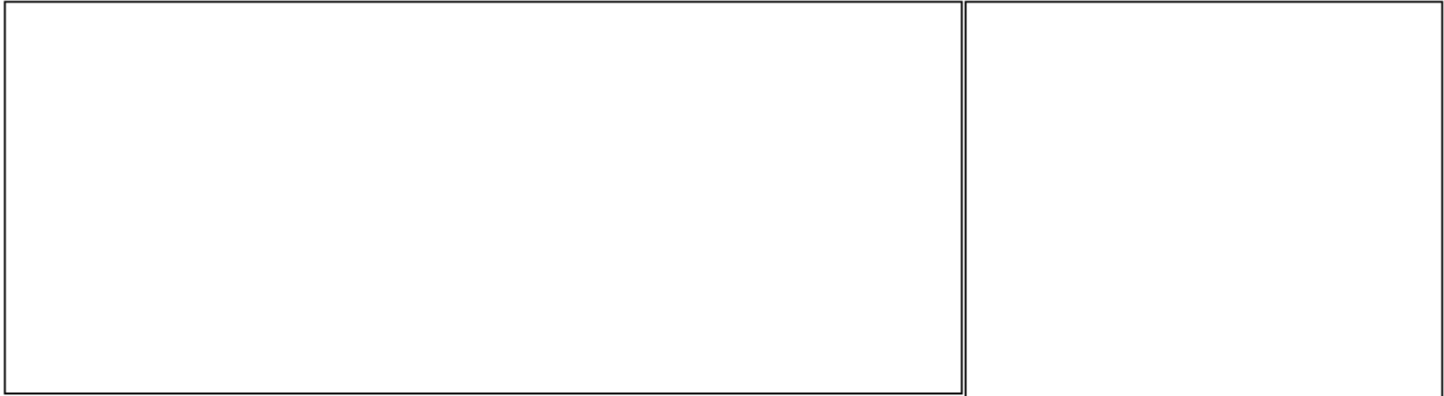
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

106 1,4-Dioxane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

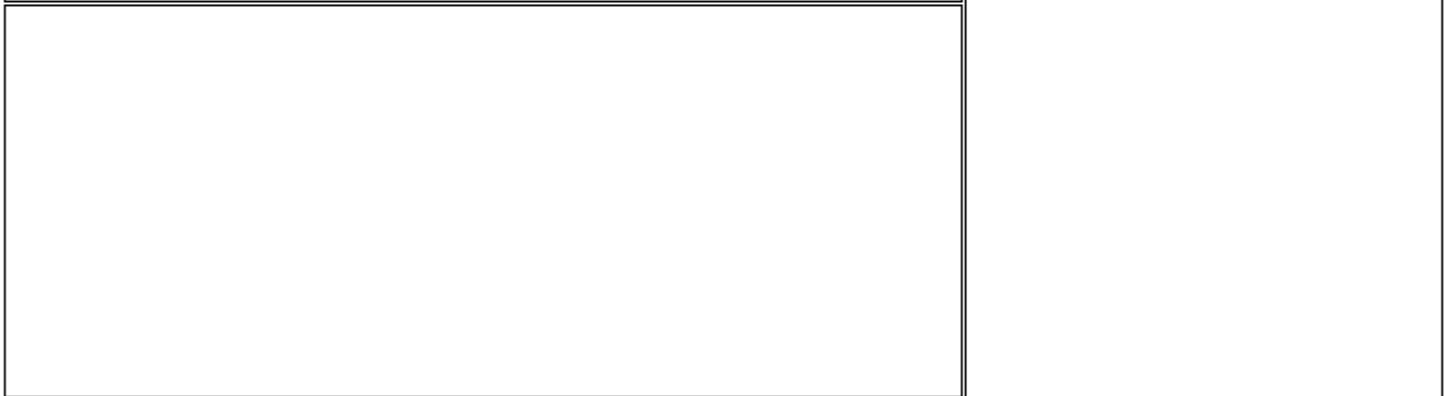
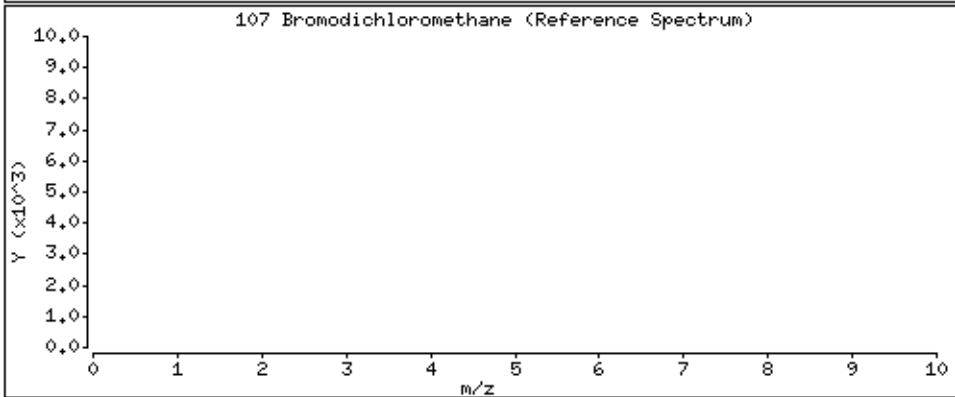
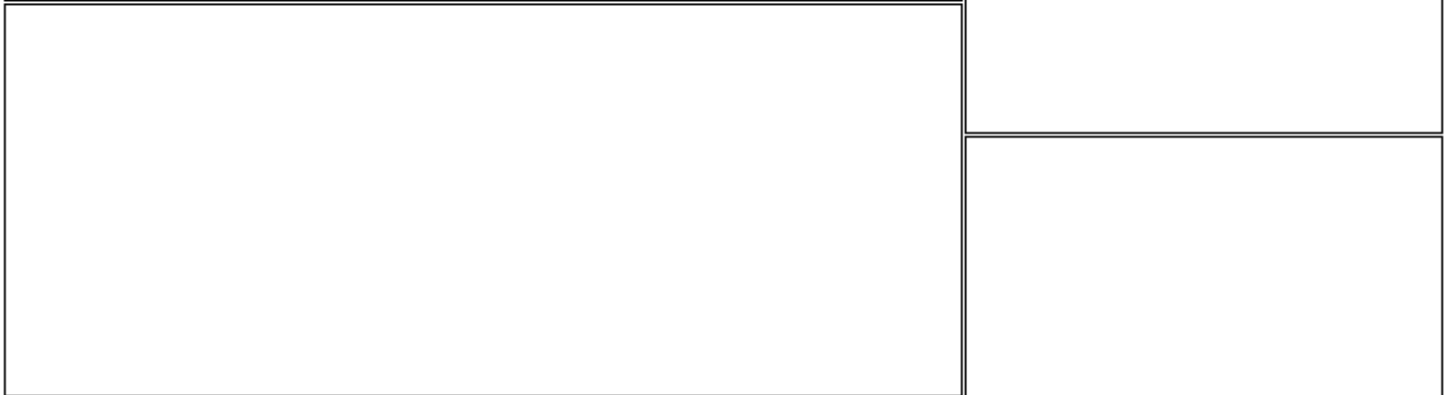
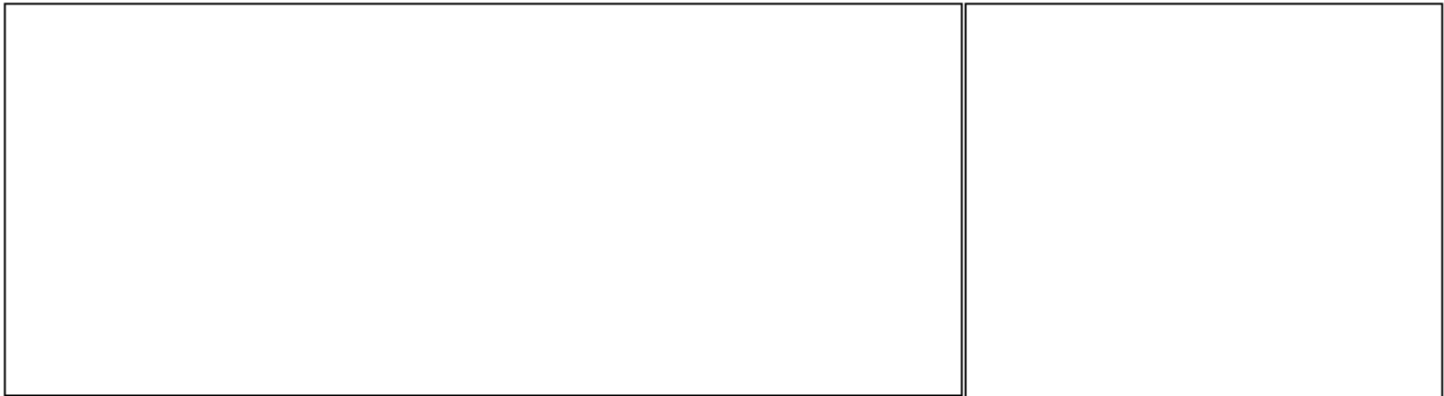
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

107 Bromodichloromethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

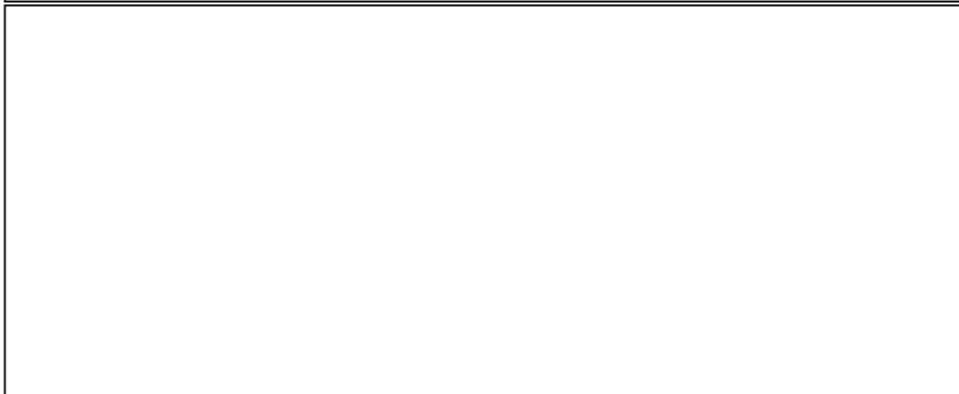
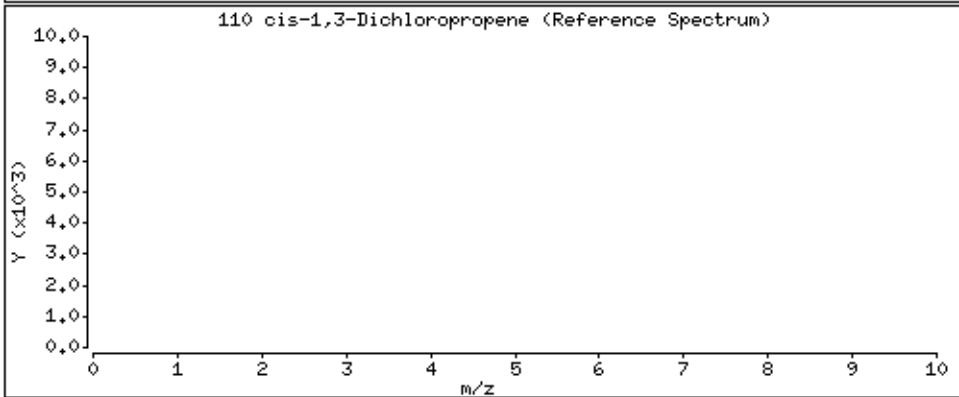
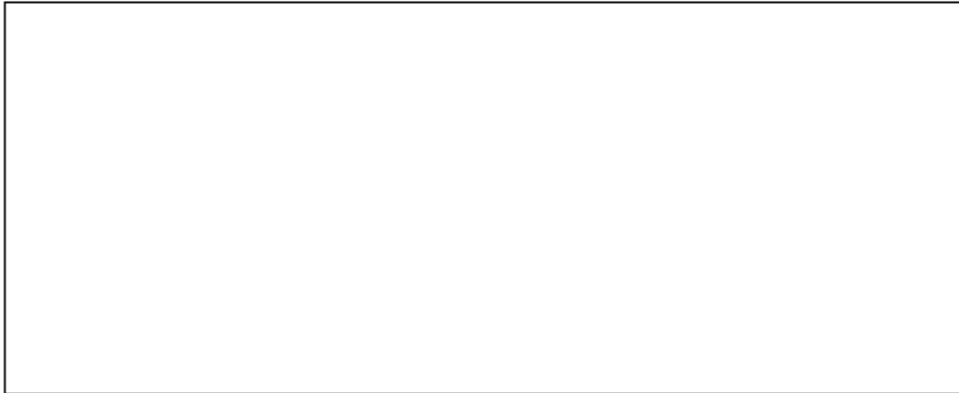
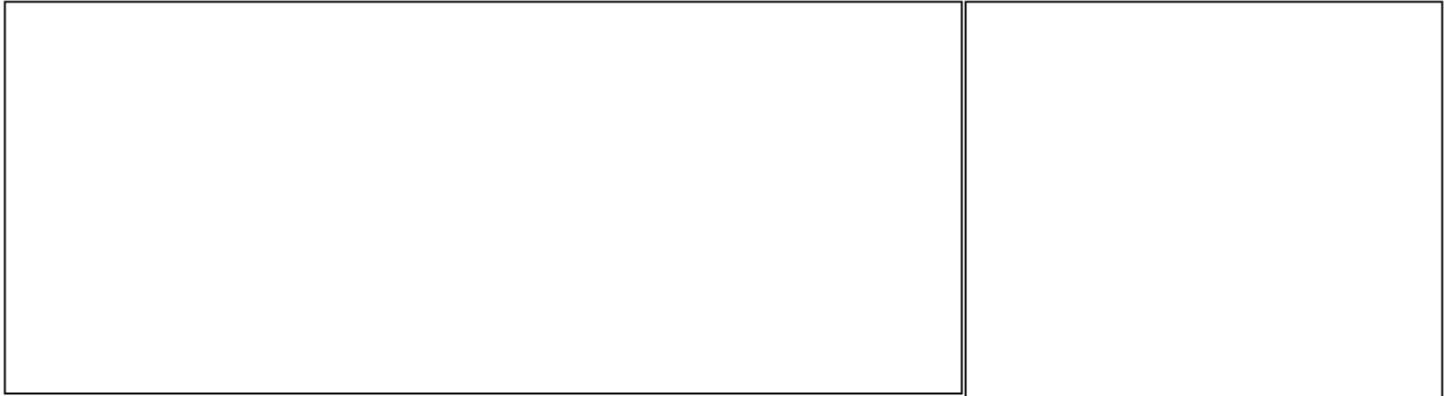
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

110 cis-1,3-Dichloropropene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

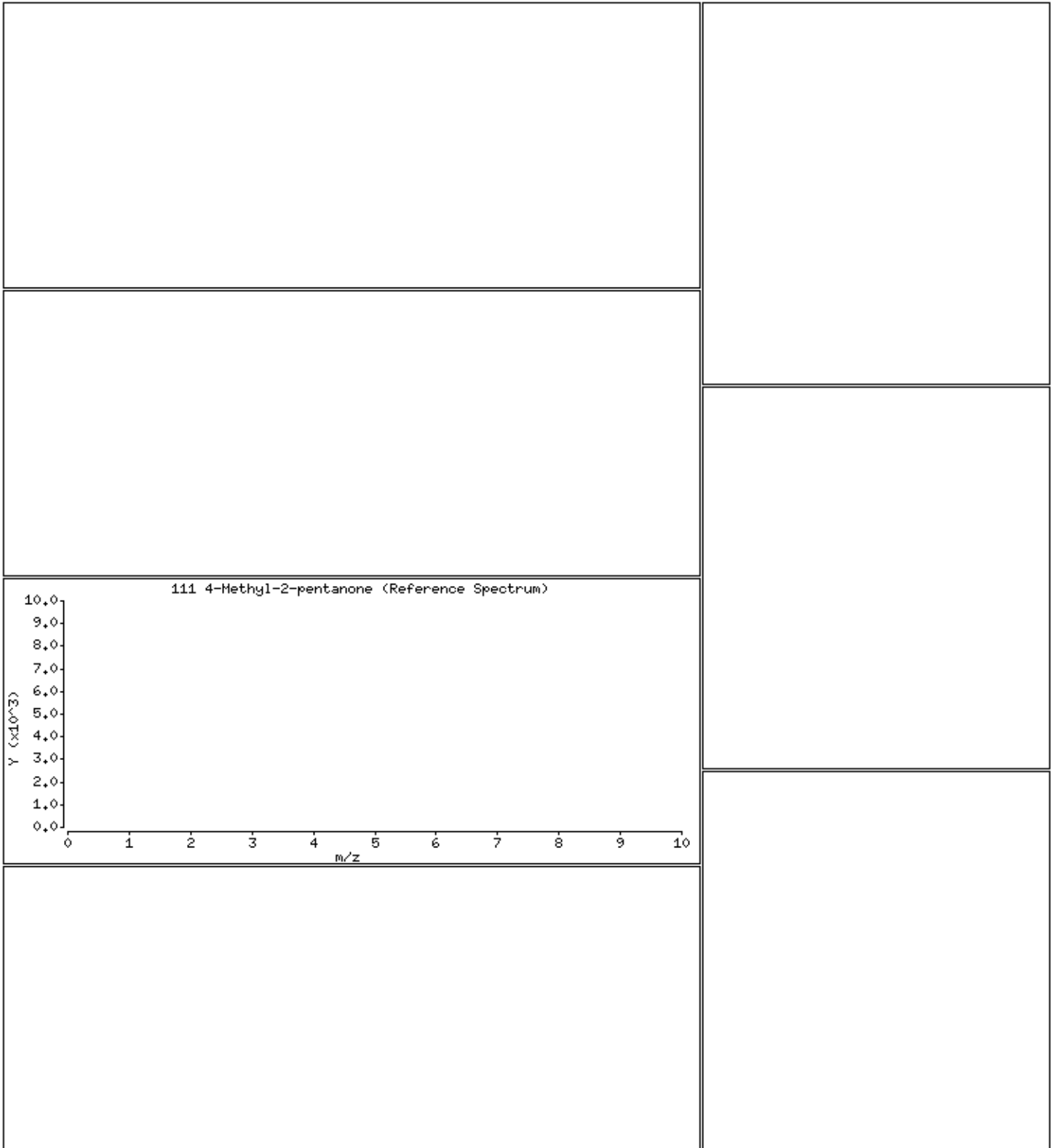
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

111 4-Methyl-2-pentanone



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

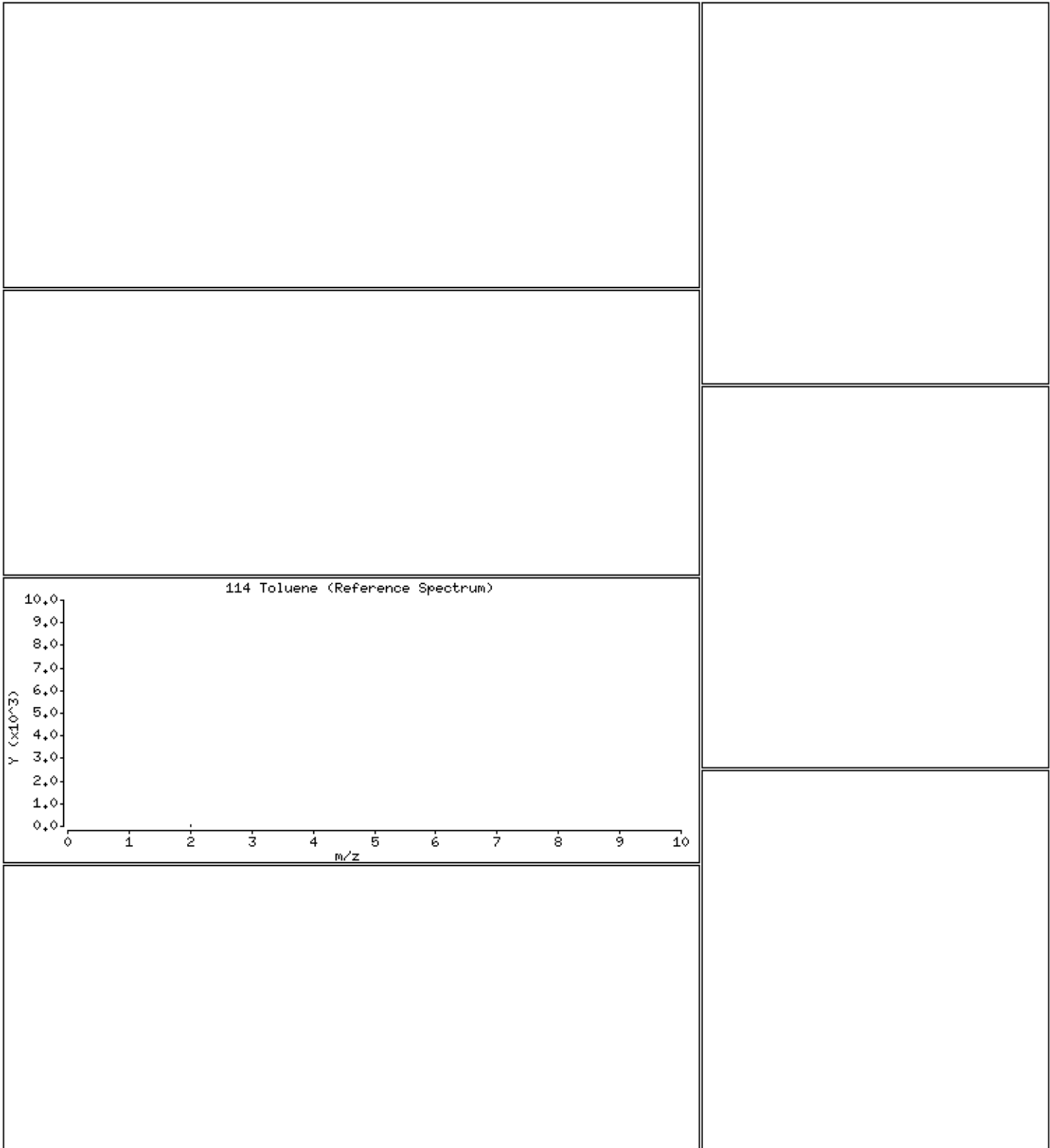
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

114 Toluene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

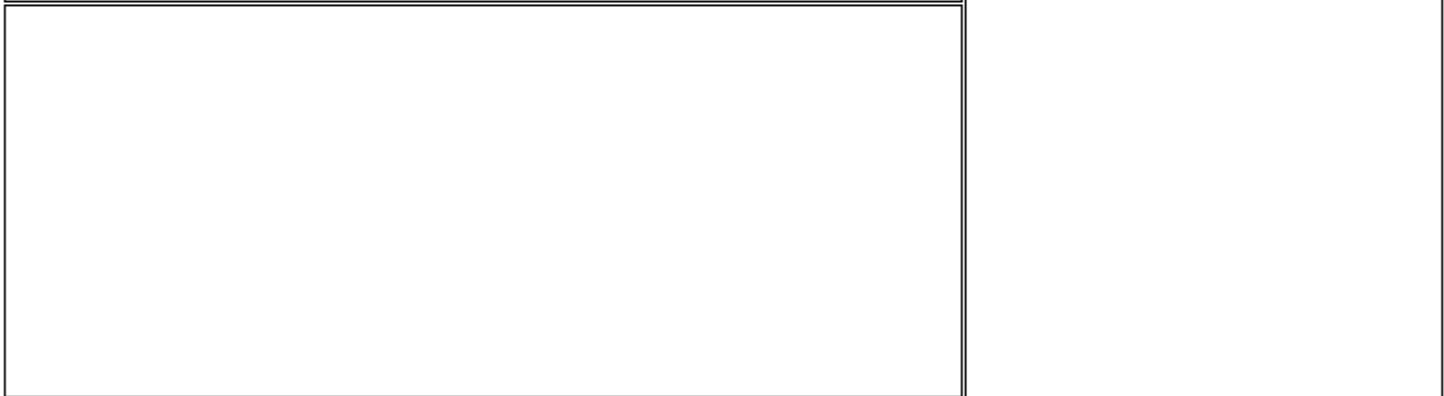
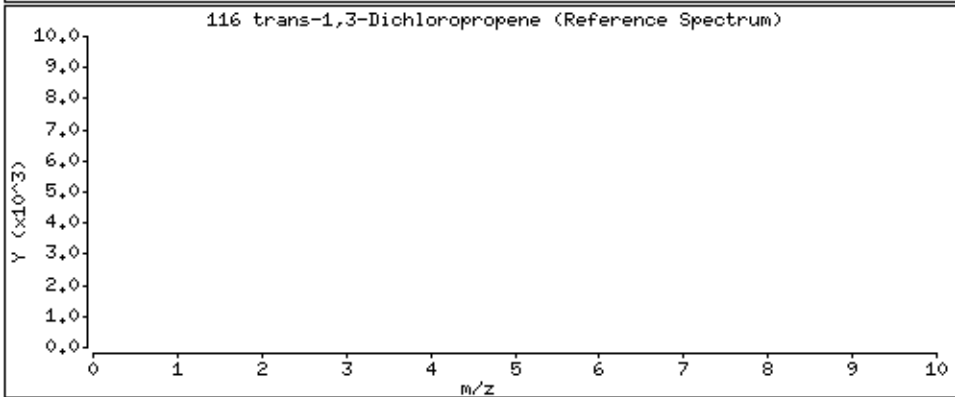
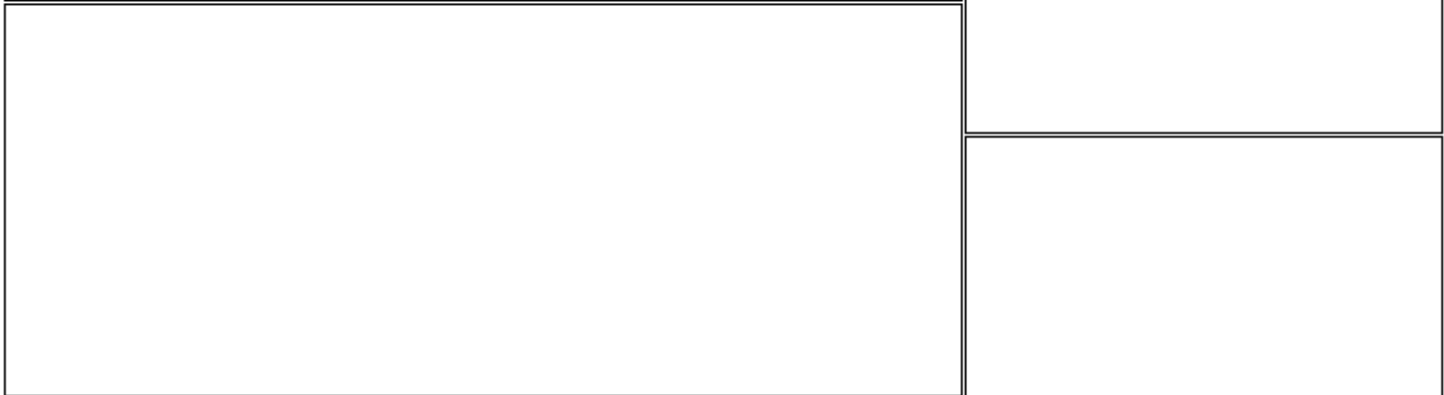
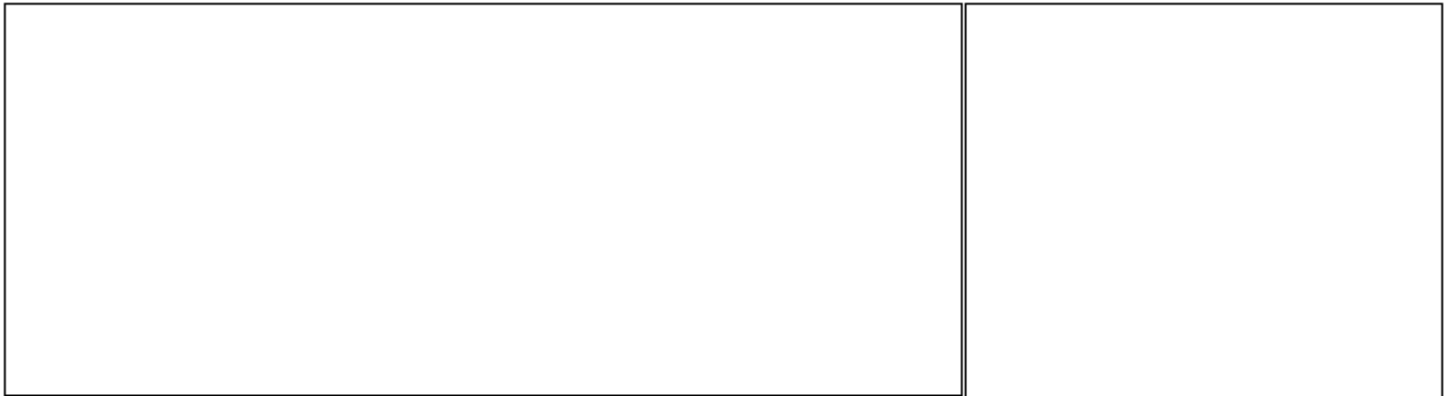
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

116 trans-1,3-Dichloropropene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

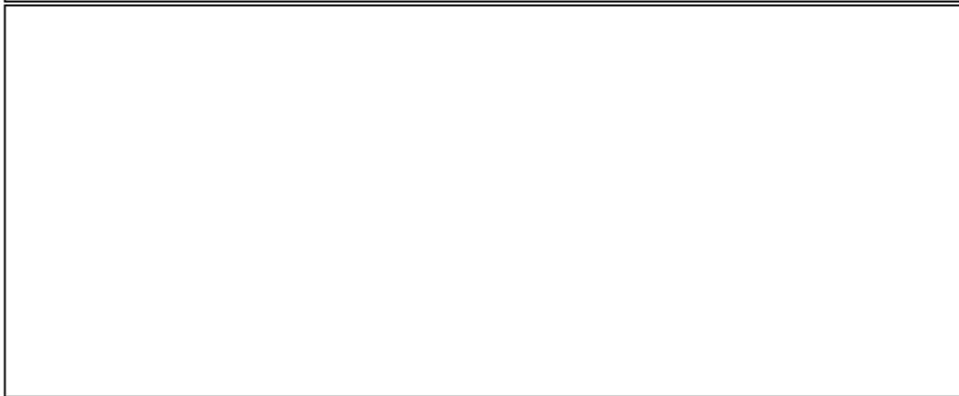
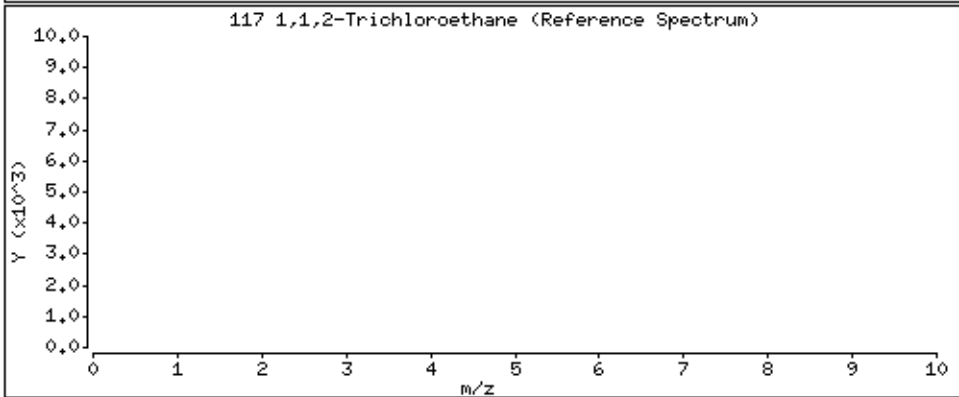
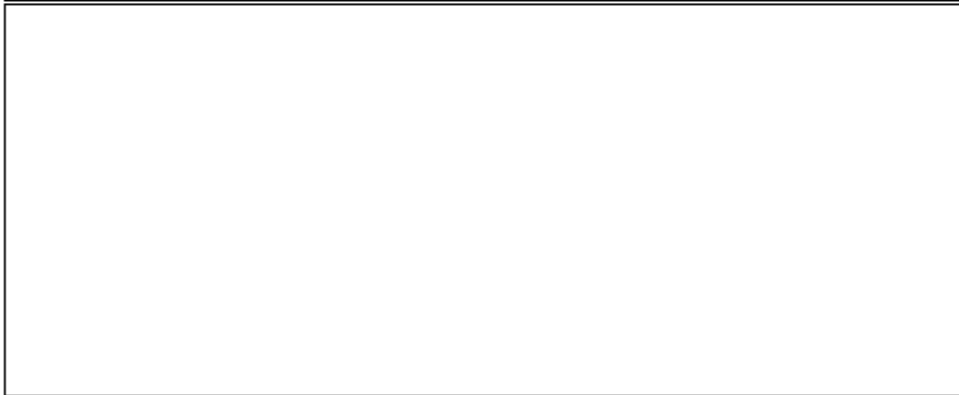
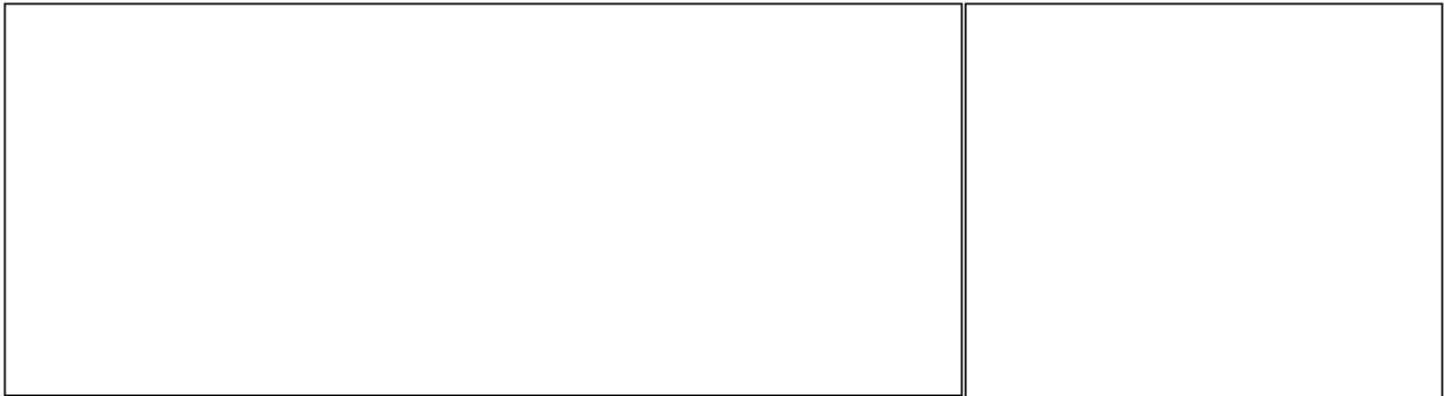
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

117 1,1,2-Trichloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

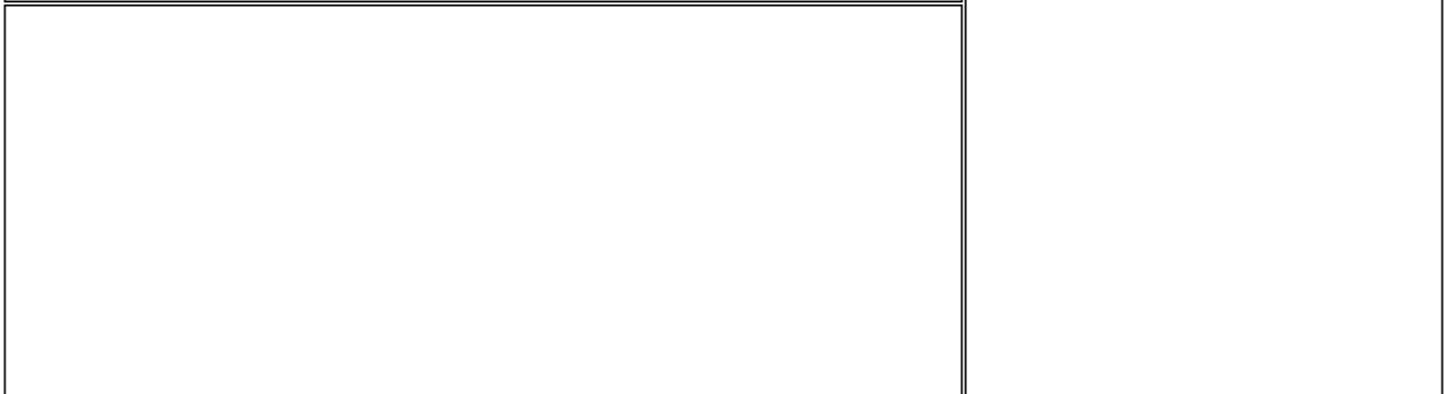
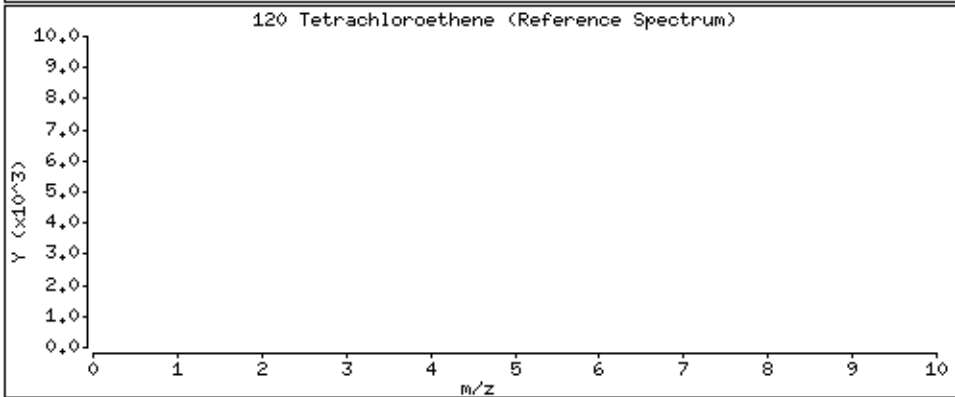
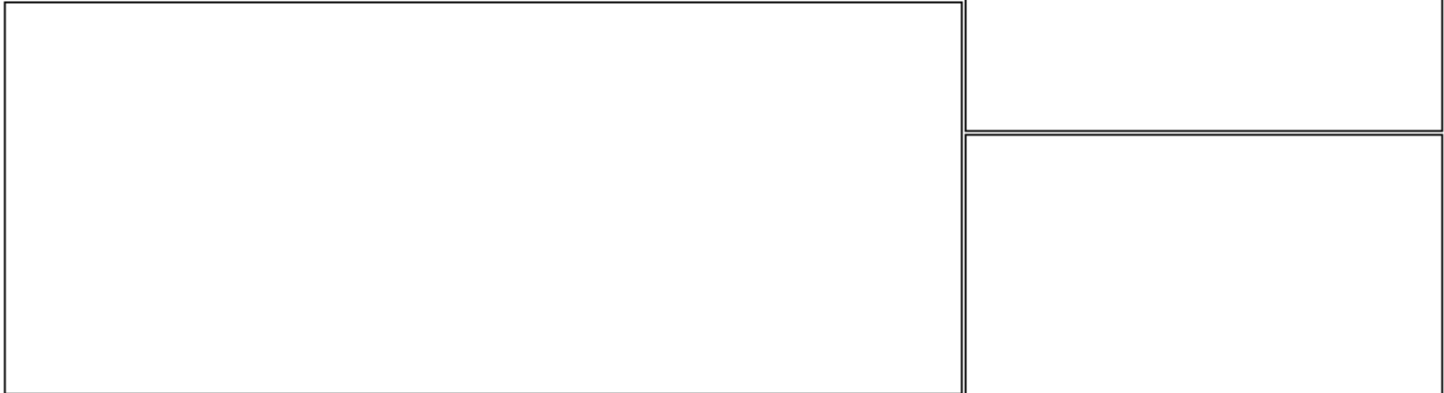
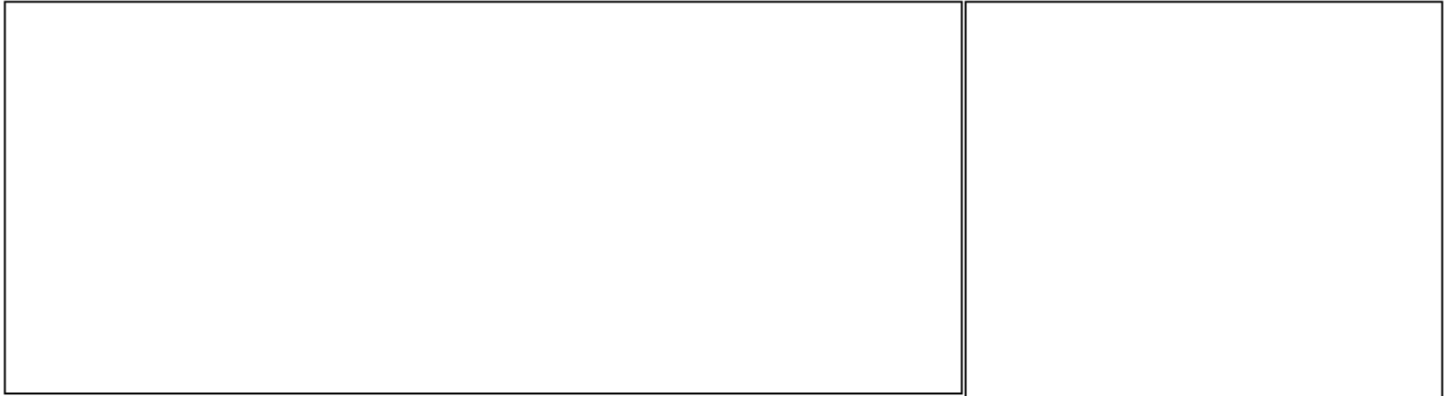
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

120 Tetrachloroethene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

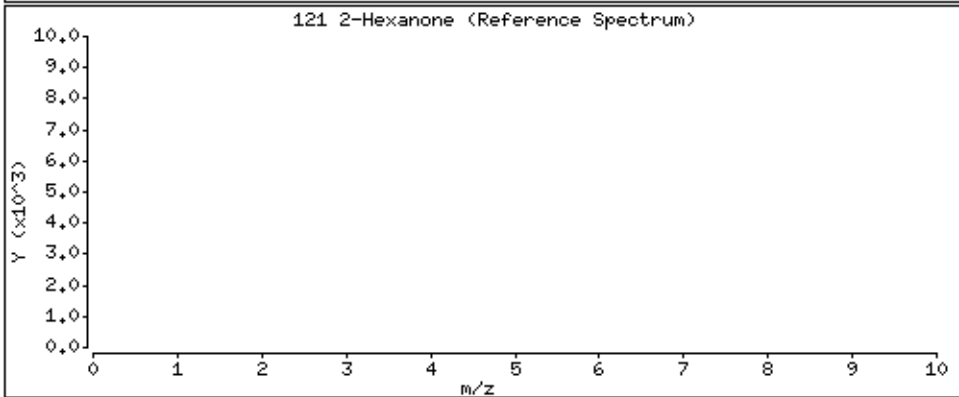
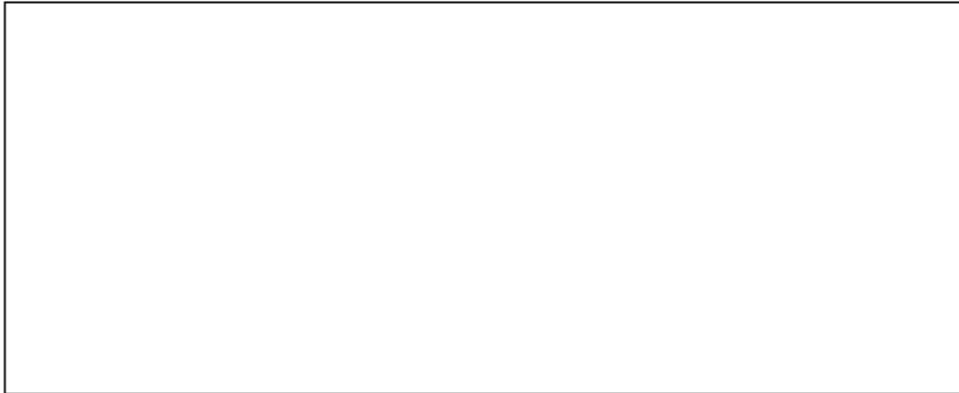
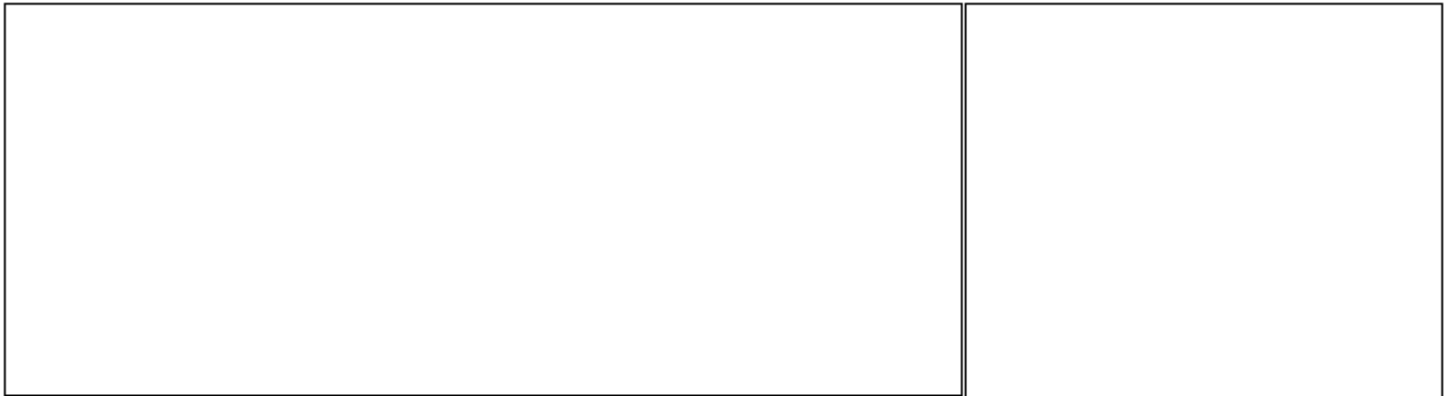
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

121 2-Hexanone



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

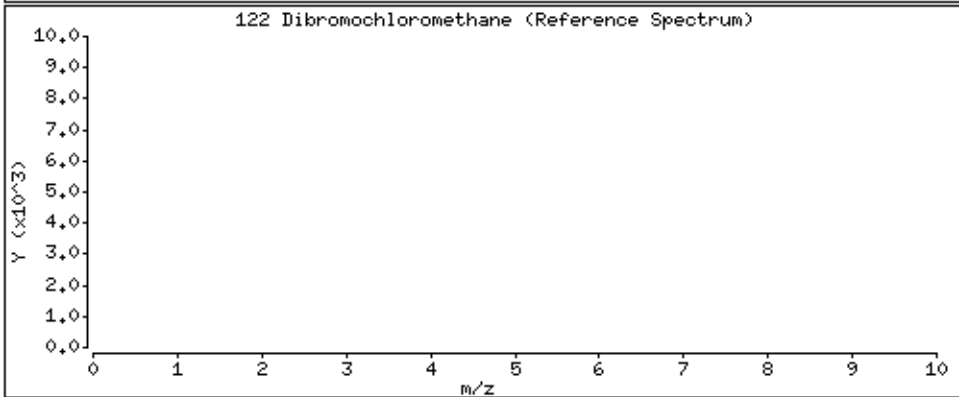
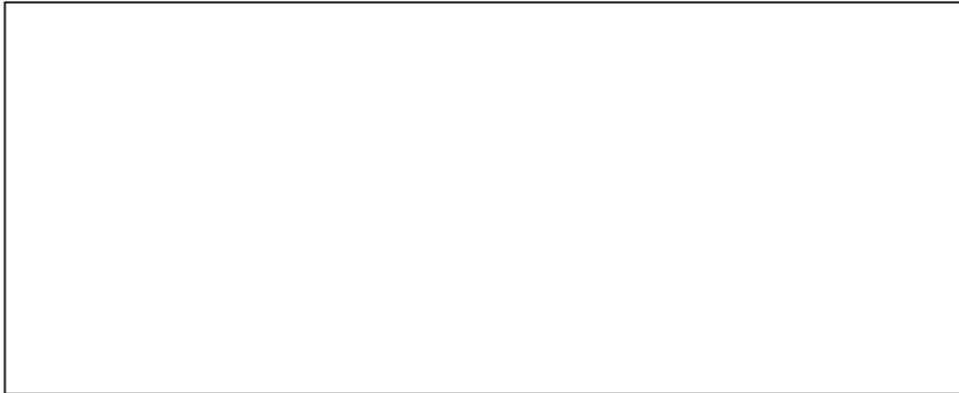
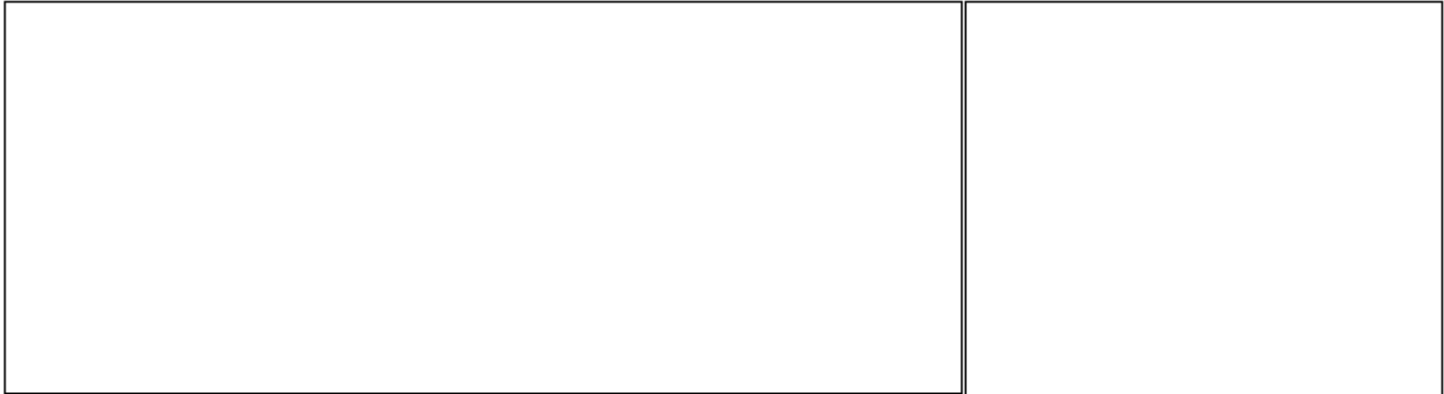
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

122 Dibromochloromethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

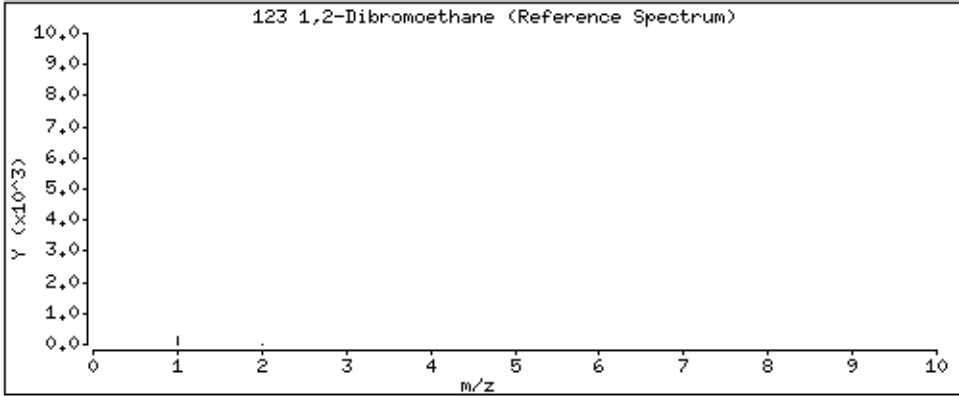
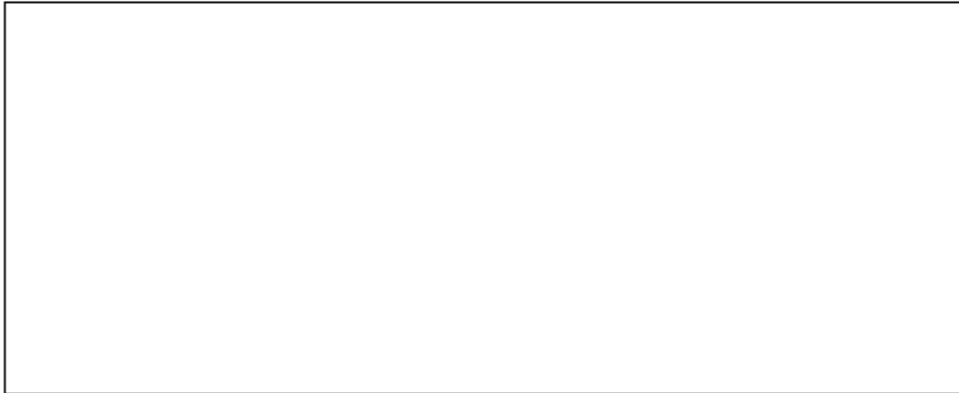
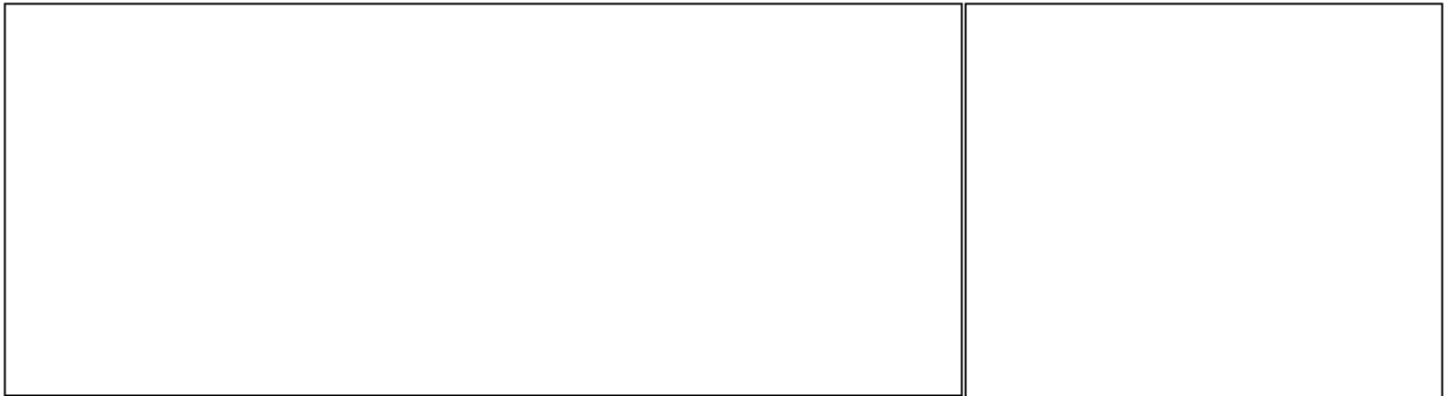
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

123 1,2-Dibromoethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

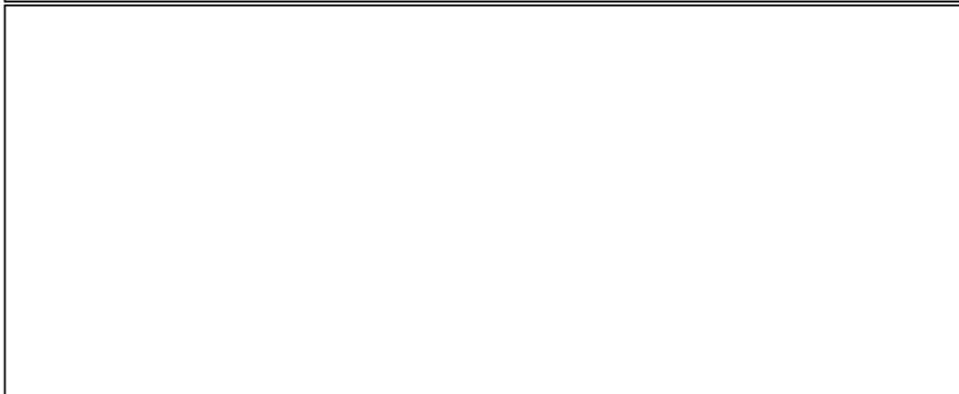
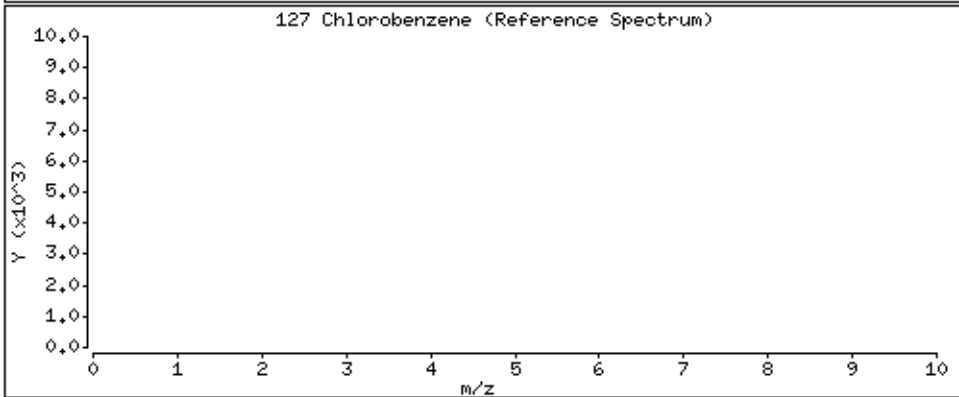
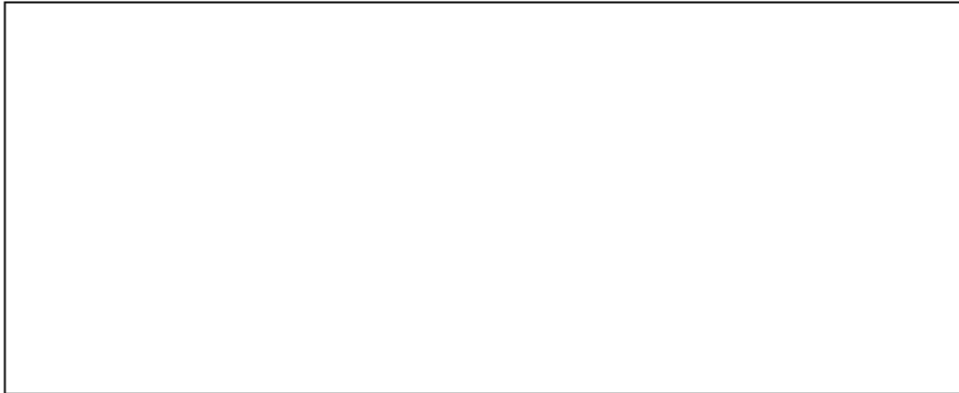
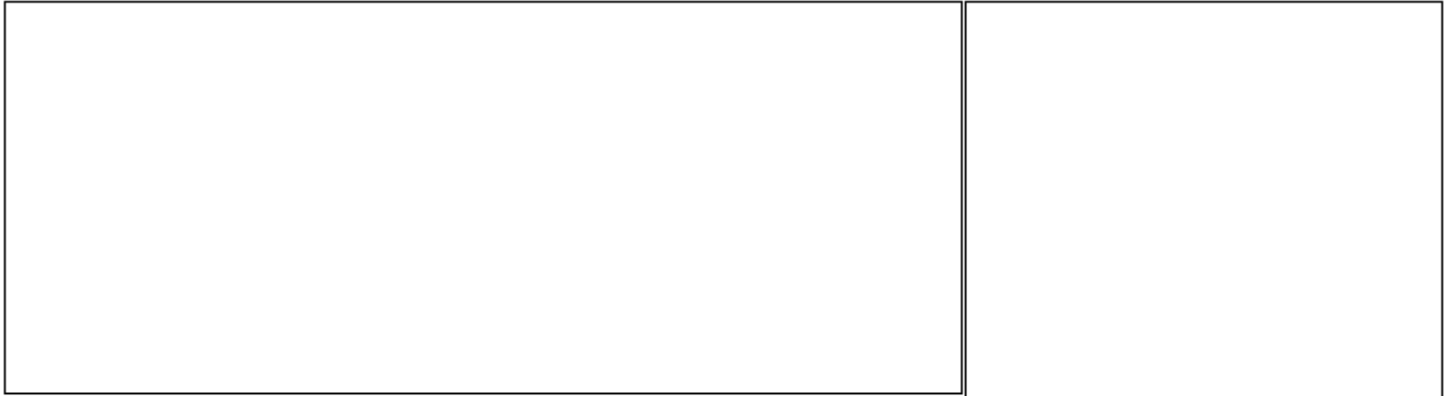
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

127 Chlorobenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

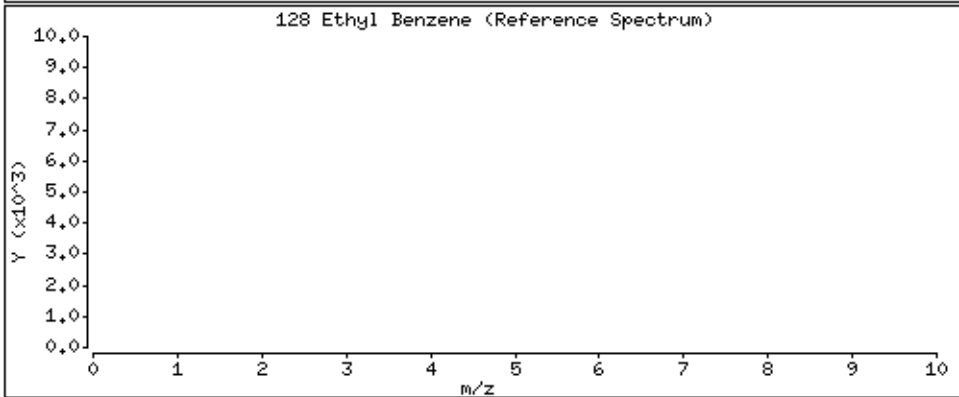
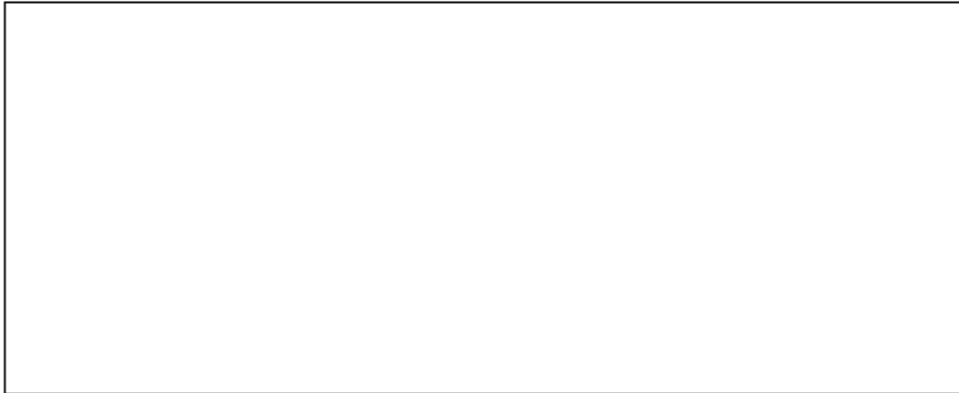
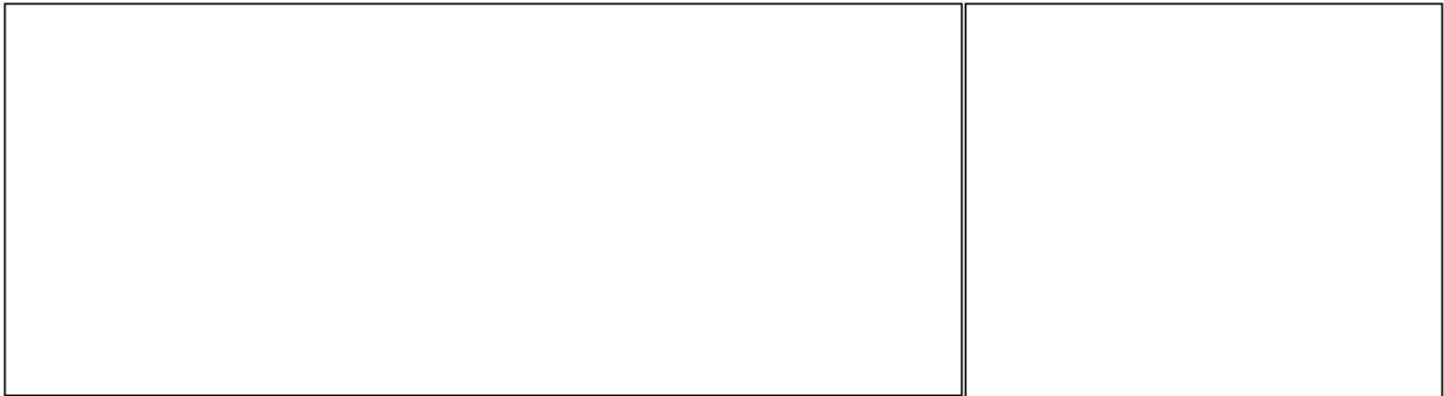
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

128 Ethyl Benzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

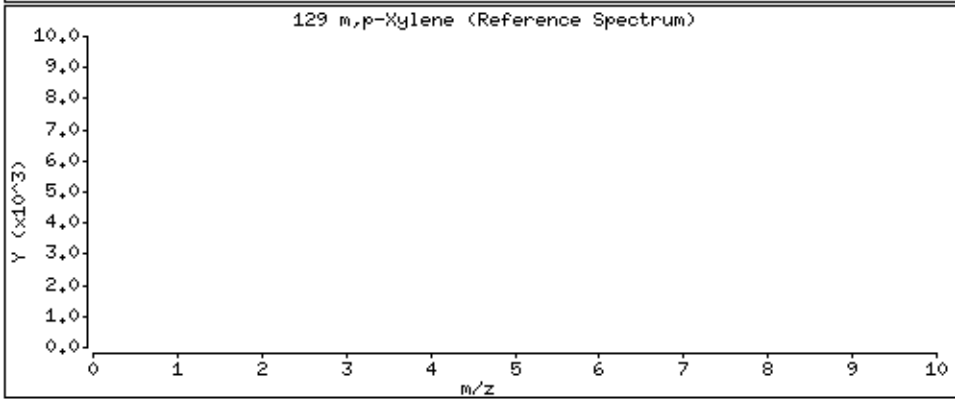
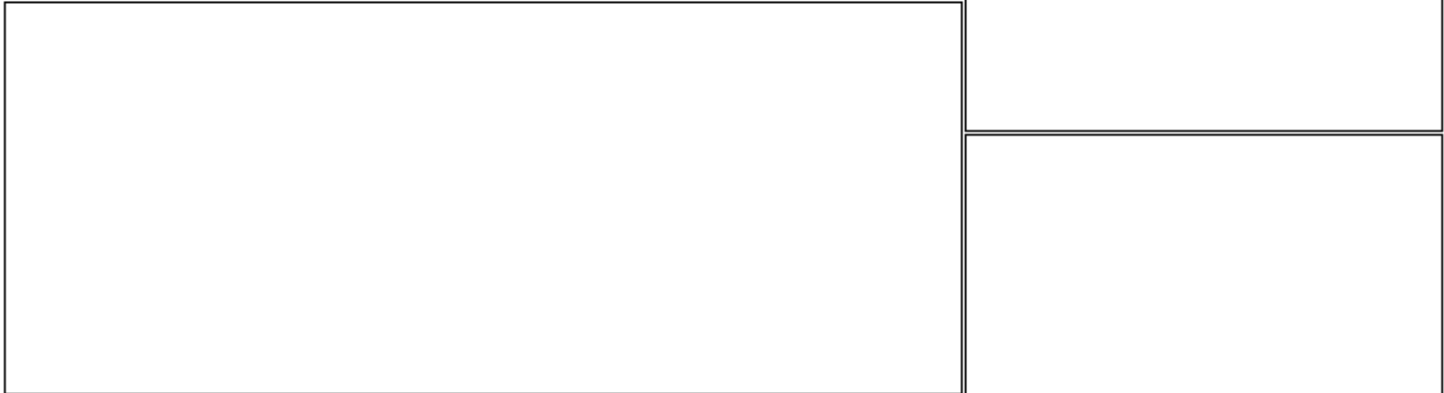
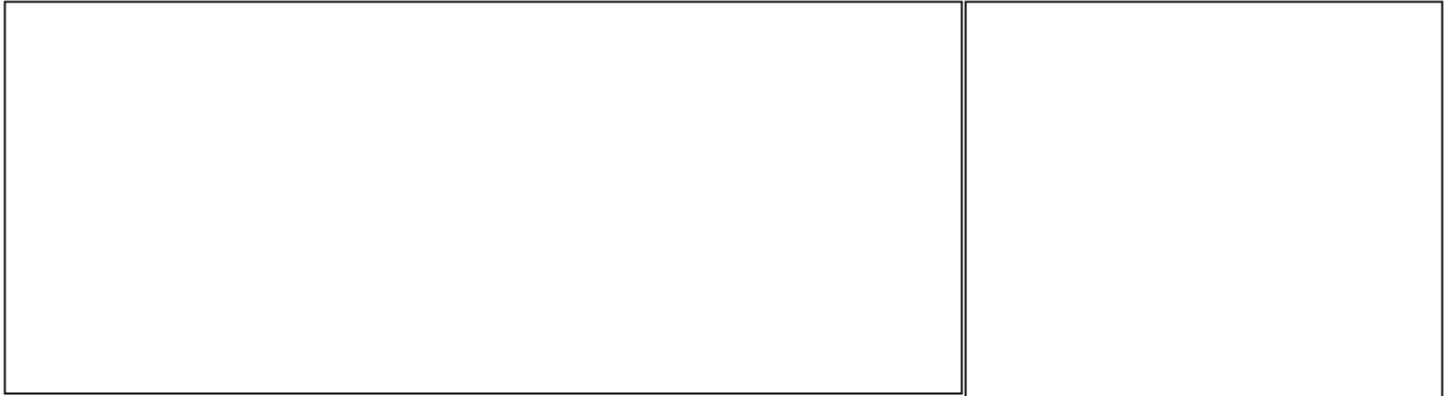
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

129 m,p-Xylene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

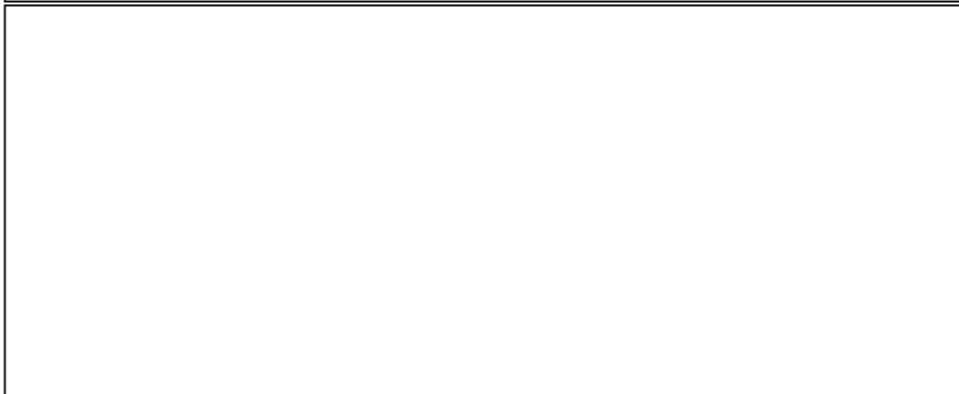
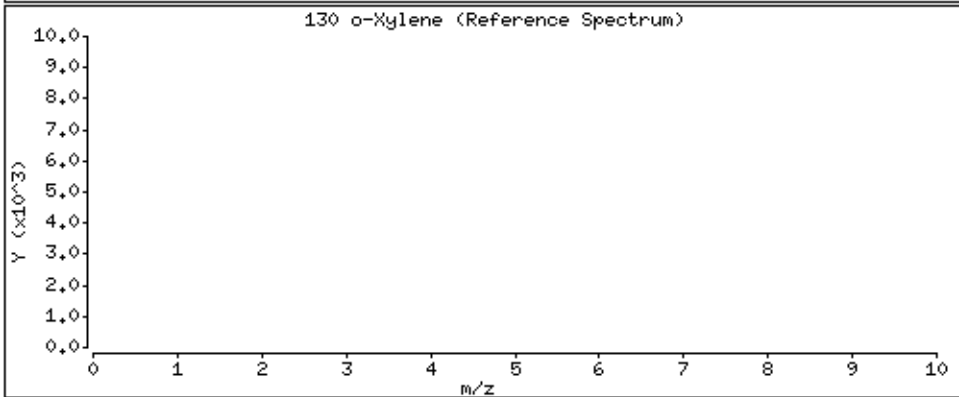
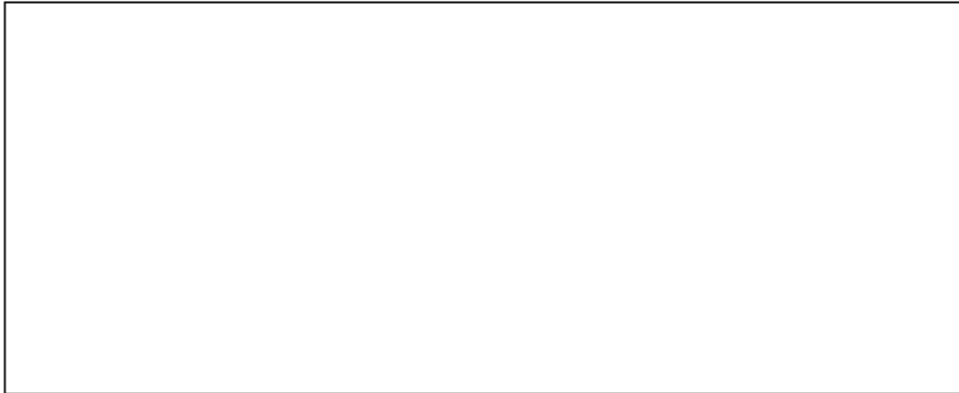
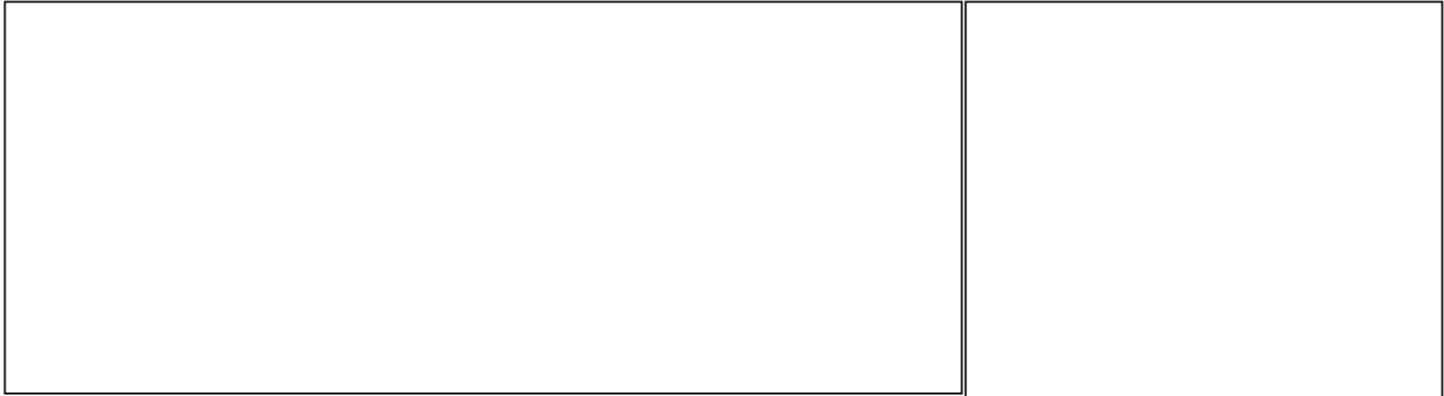
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

130 o-Xylene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

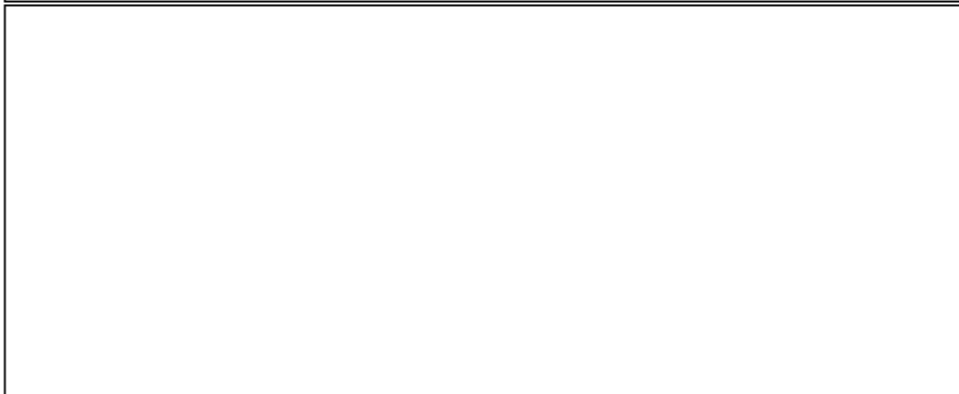
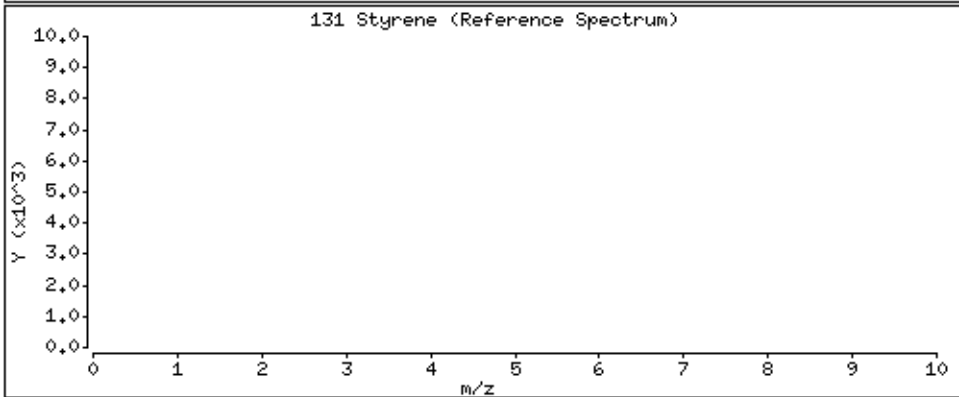
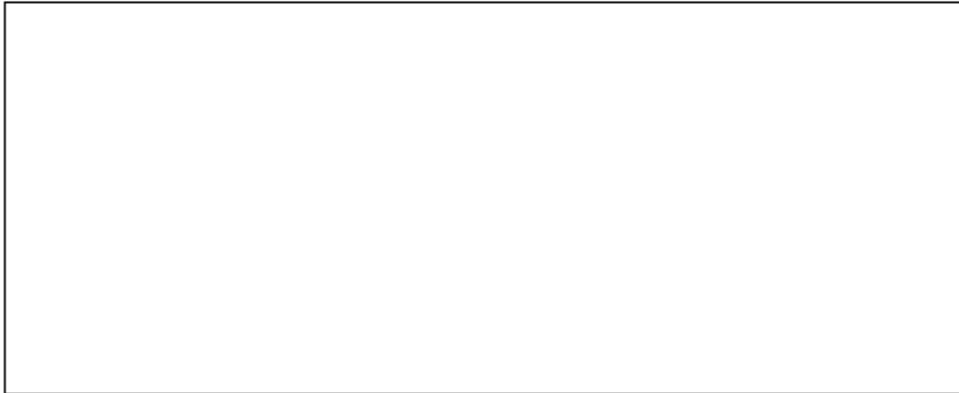
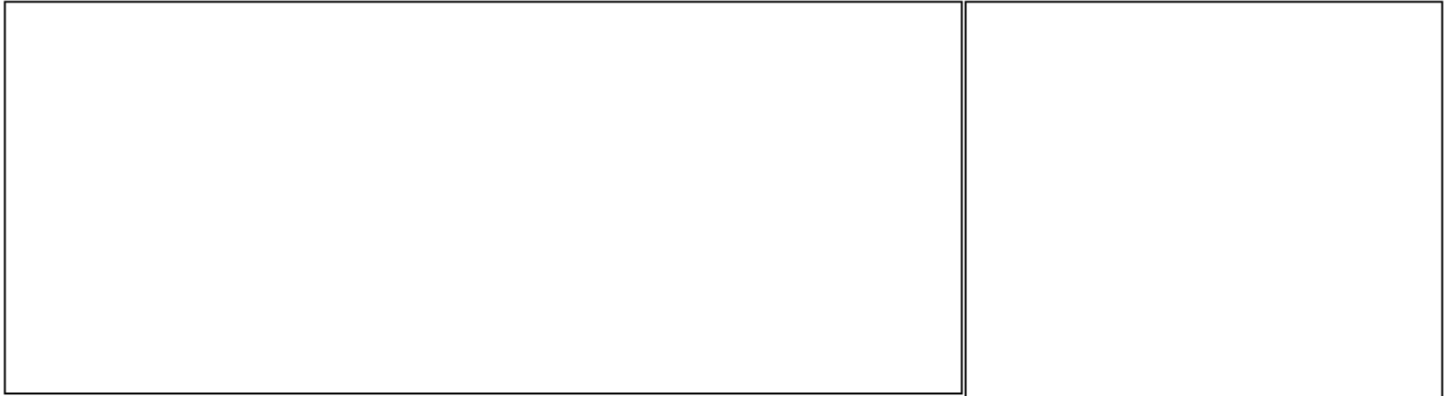
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

131 Styrene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

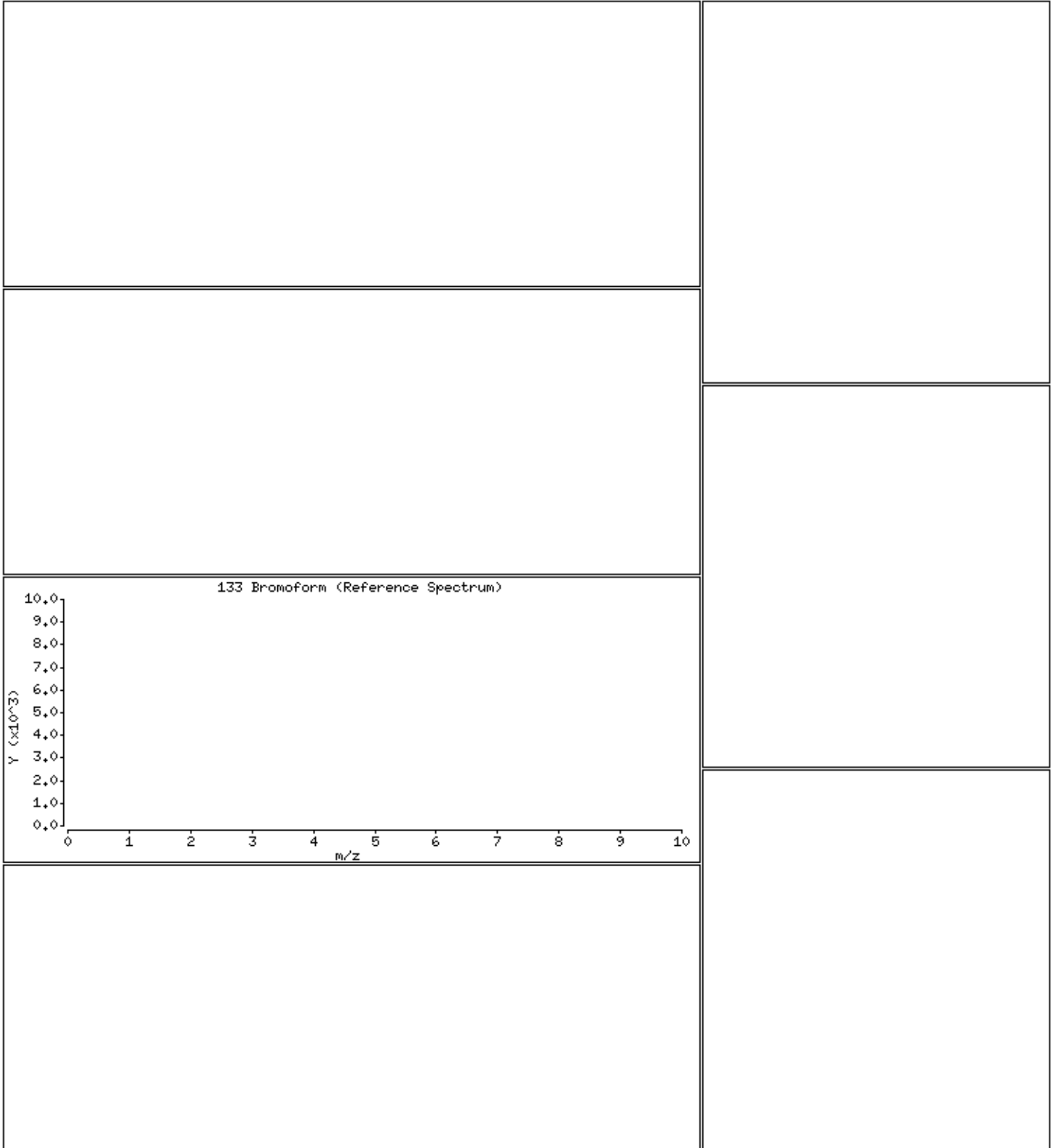
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

133 Bromoform



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

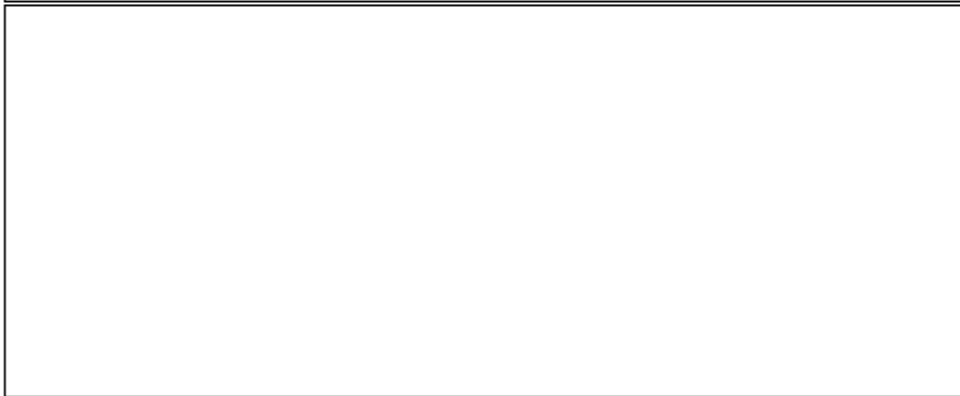
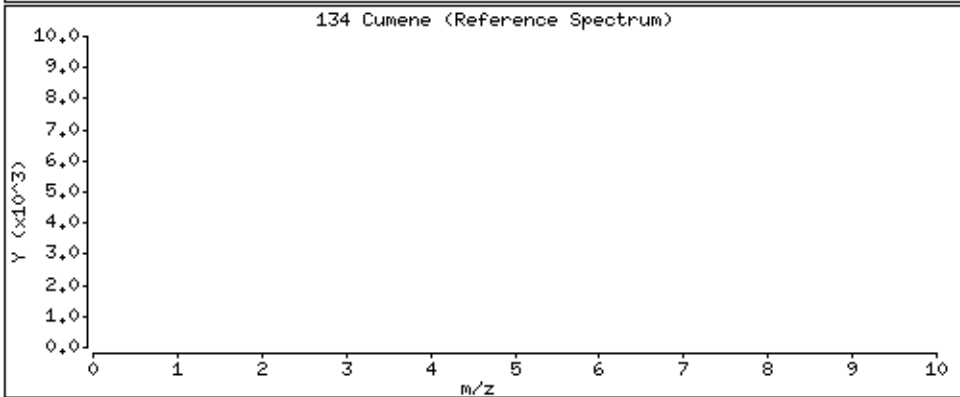
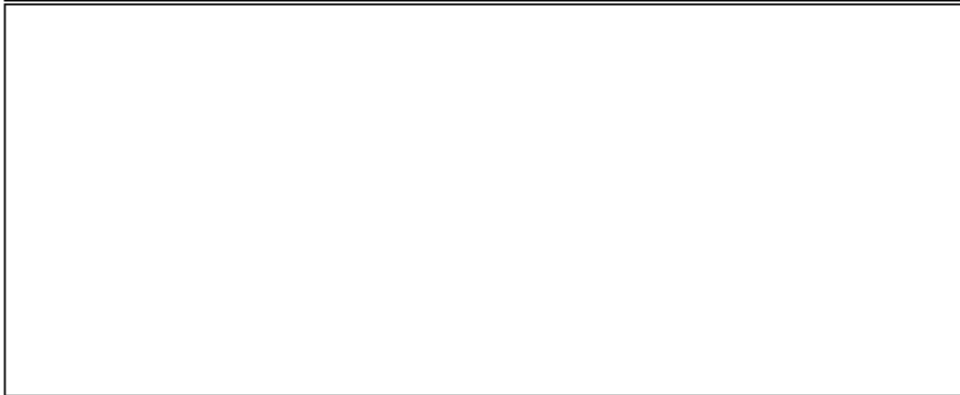
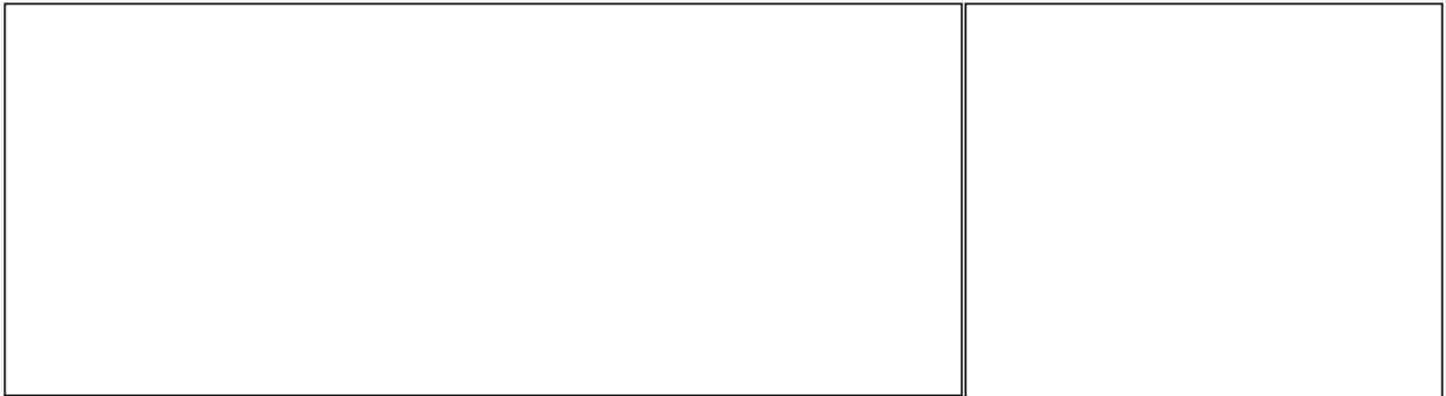
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

134 Cumene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

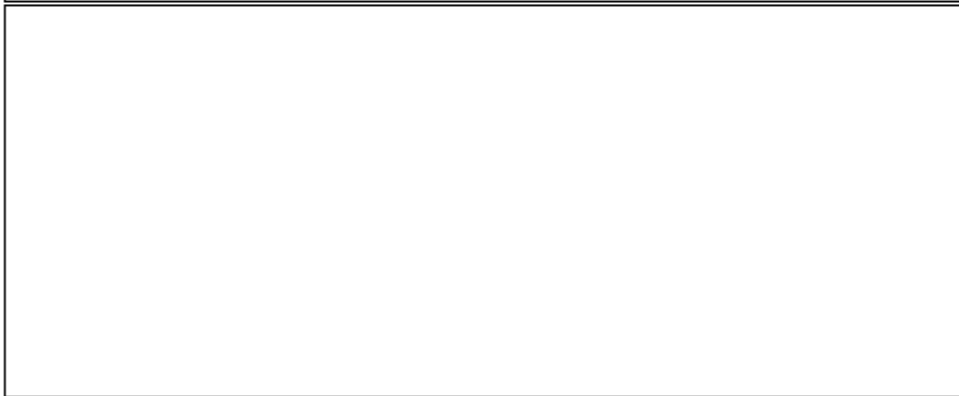
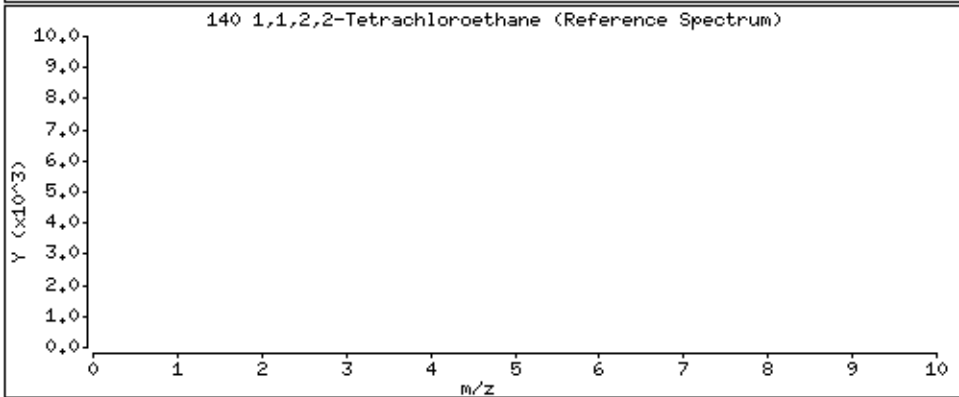
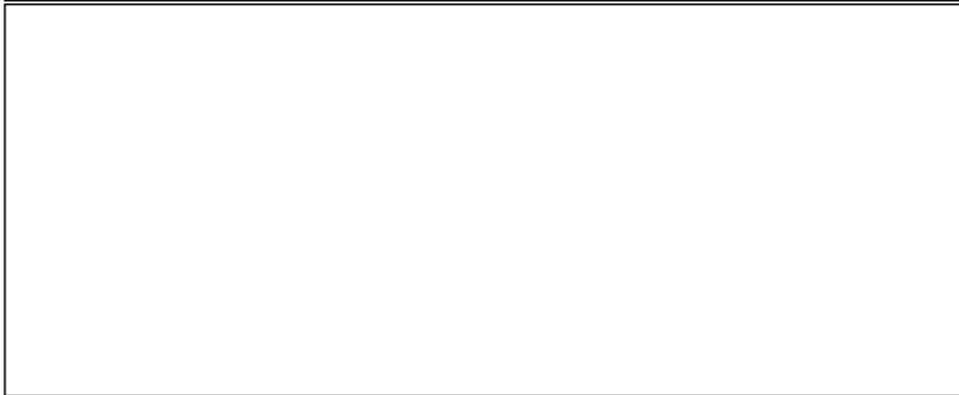
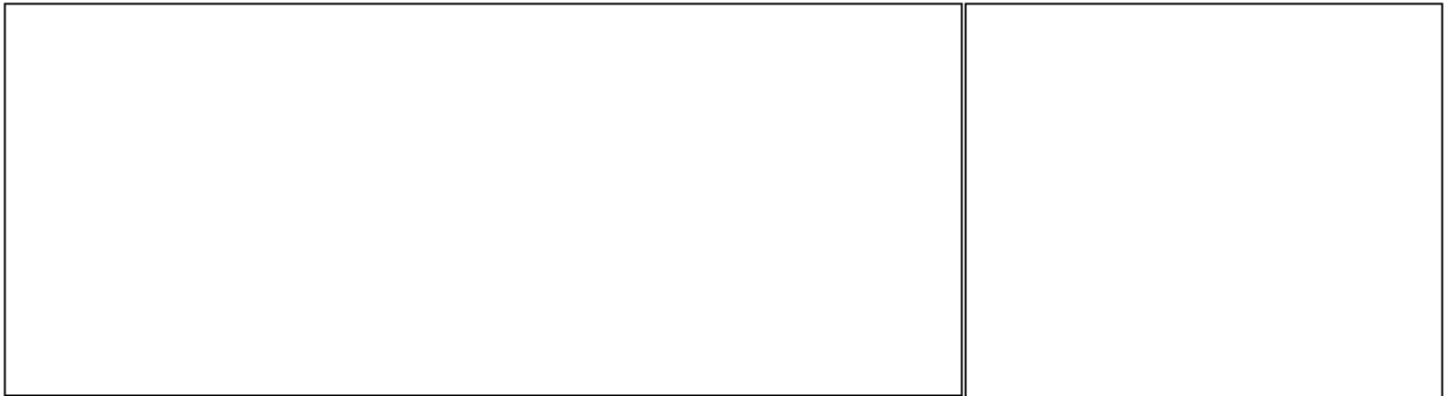
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

140 1,1,2,2-Tetrachloroethane



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

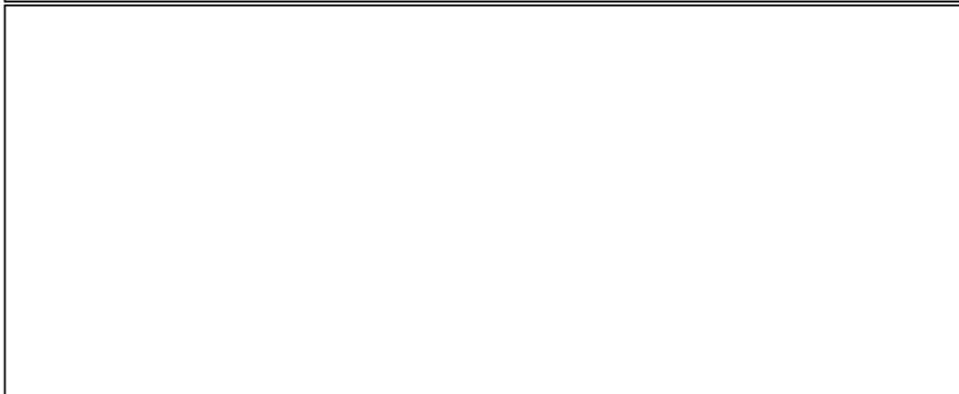
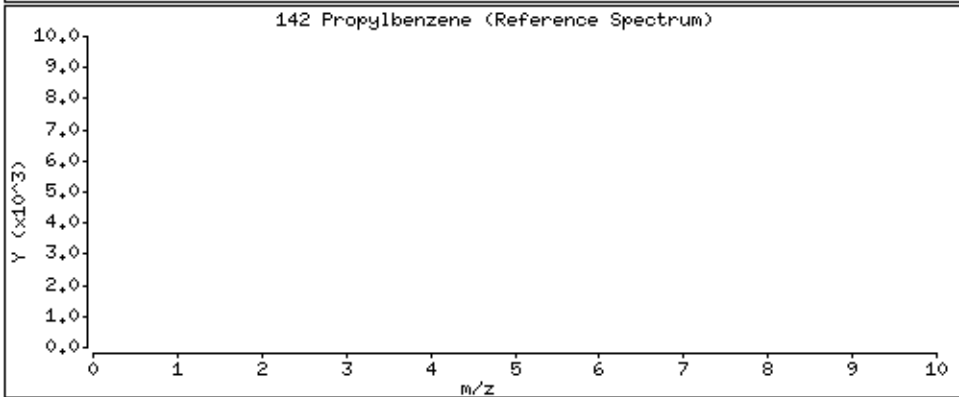
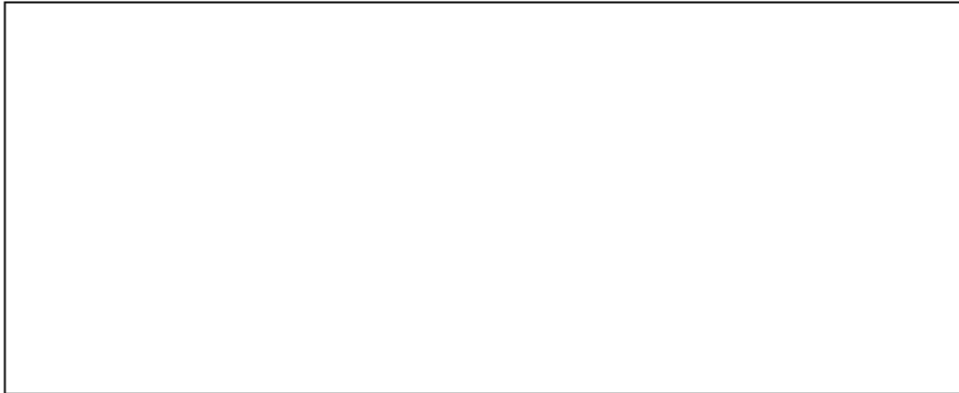
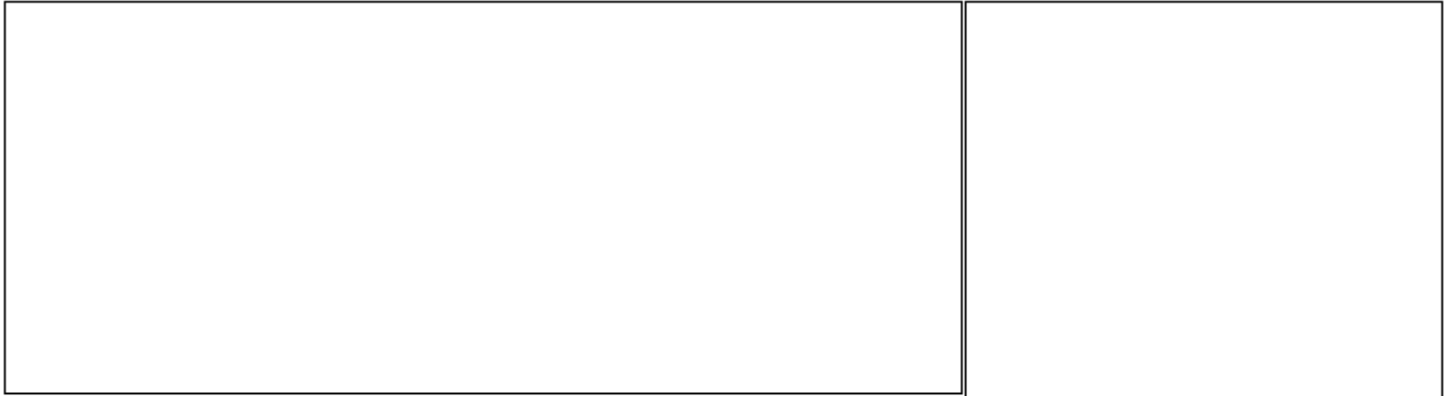
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

142 Propylbenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

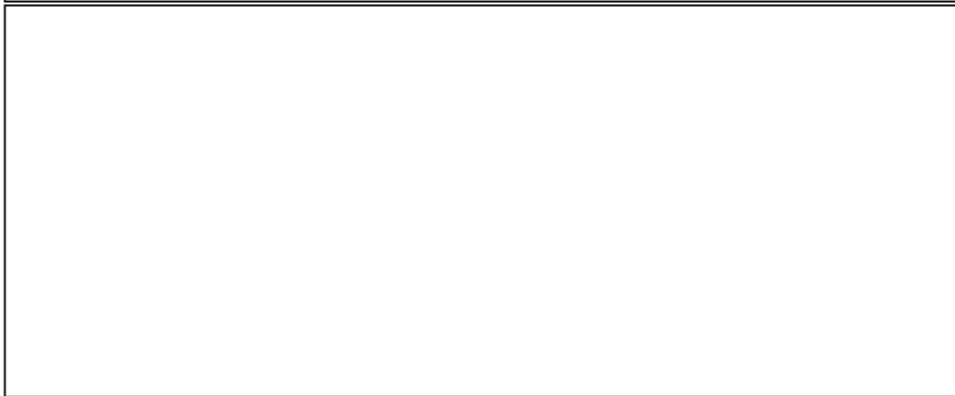
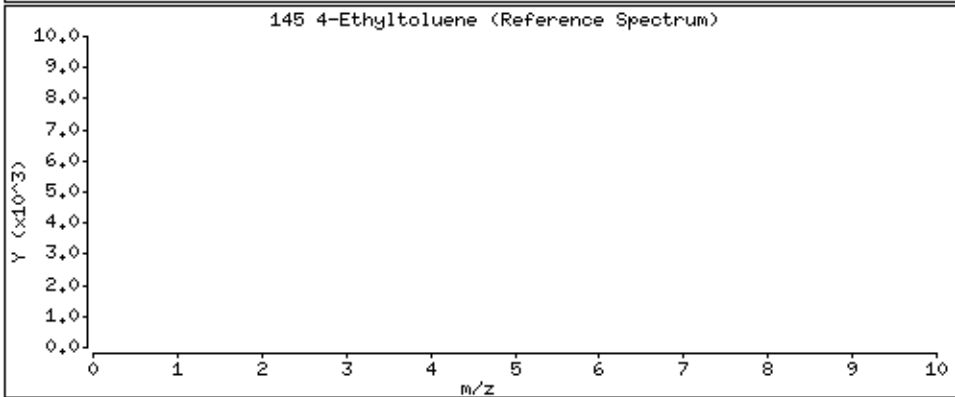
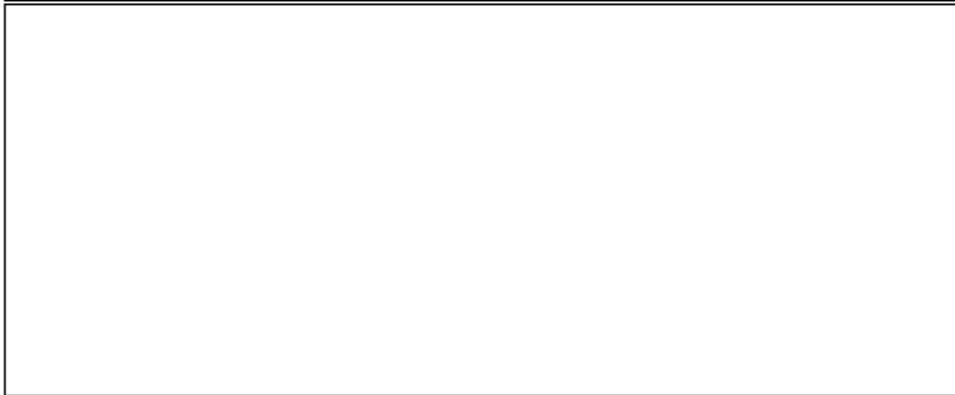
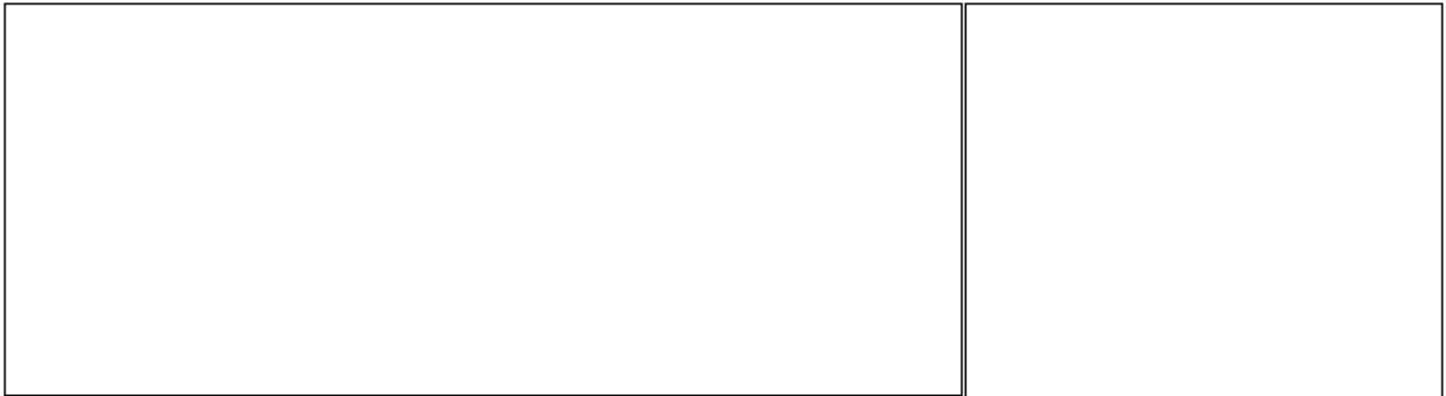
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

145 4-Ethyltoluene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

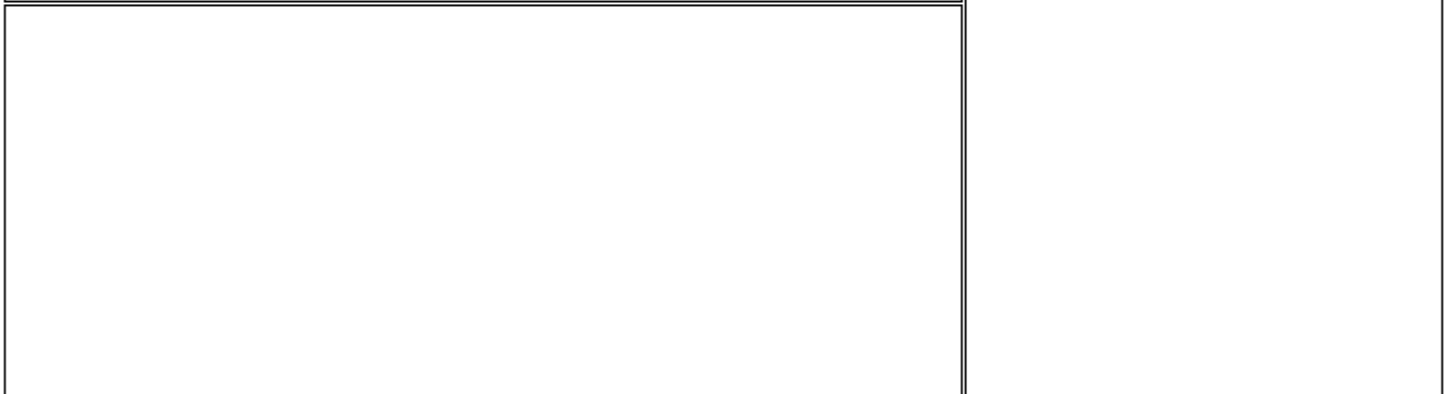
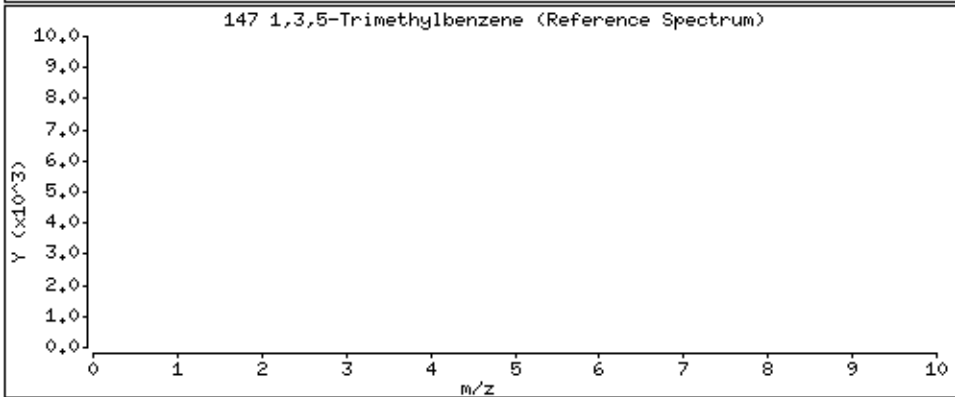
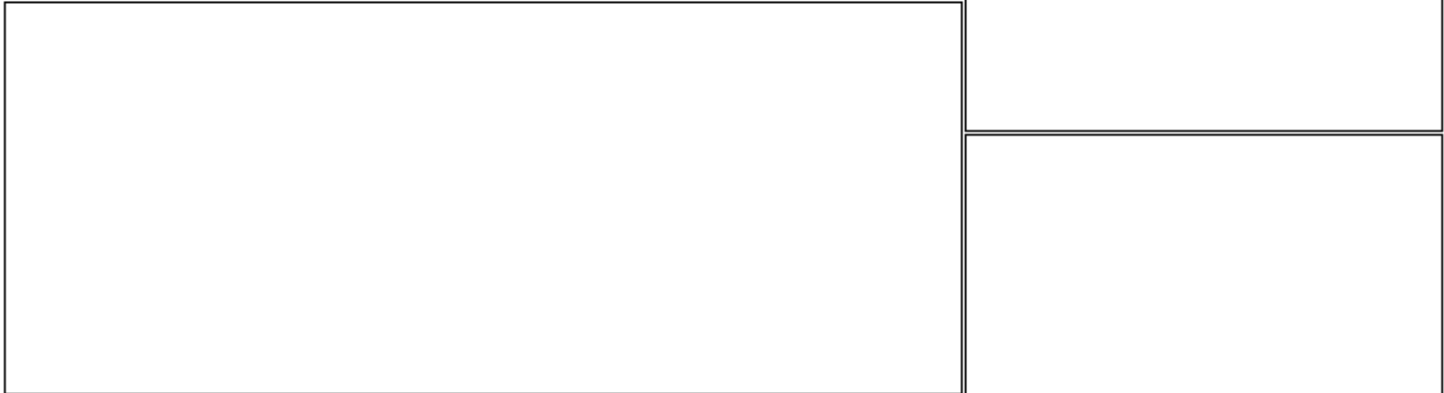
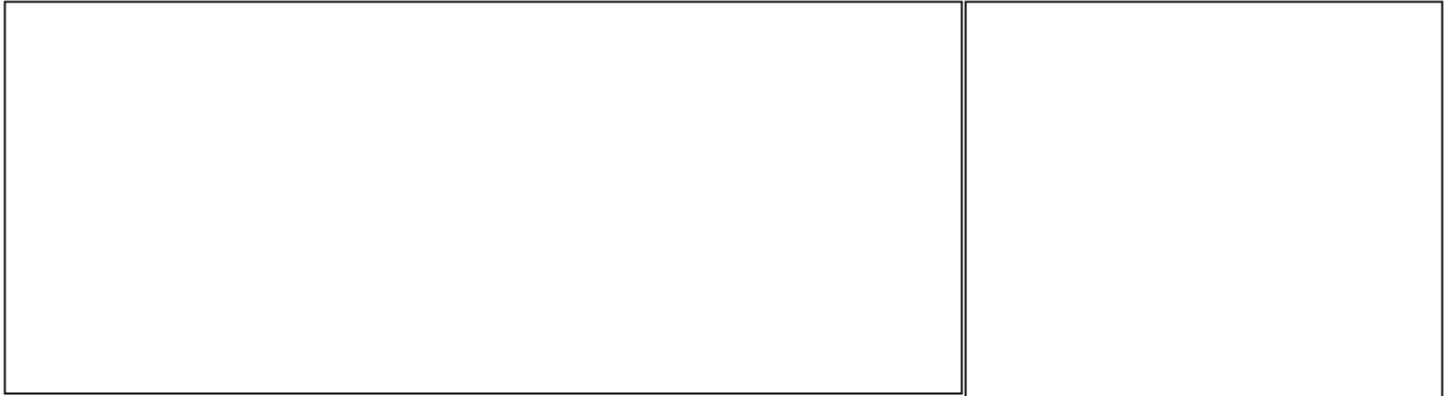
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

147 1,3,5-Trimethylbenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

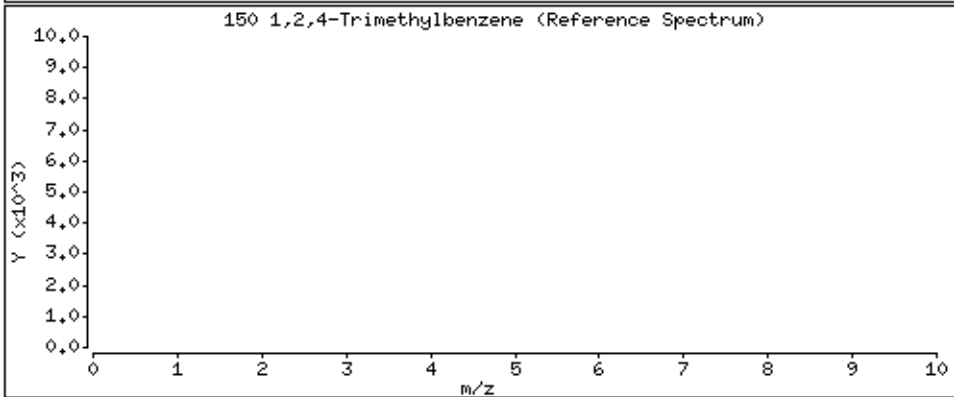
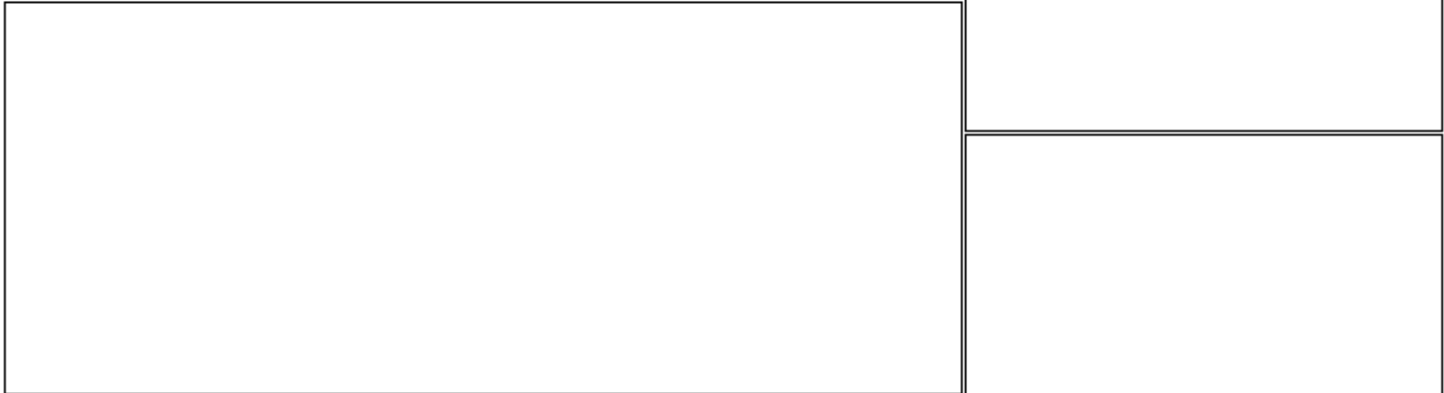
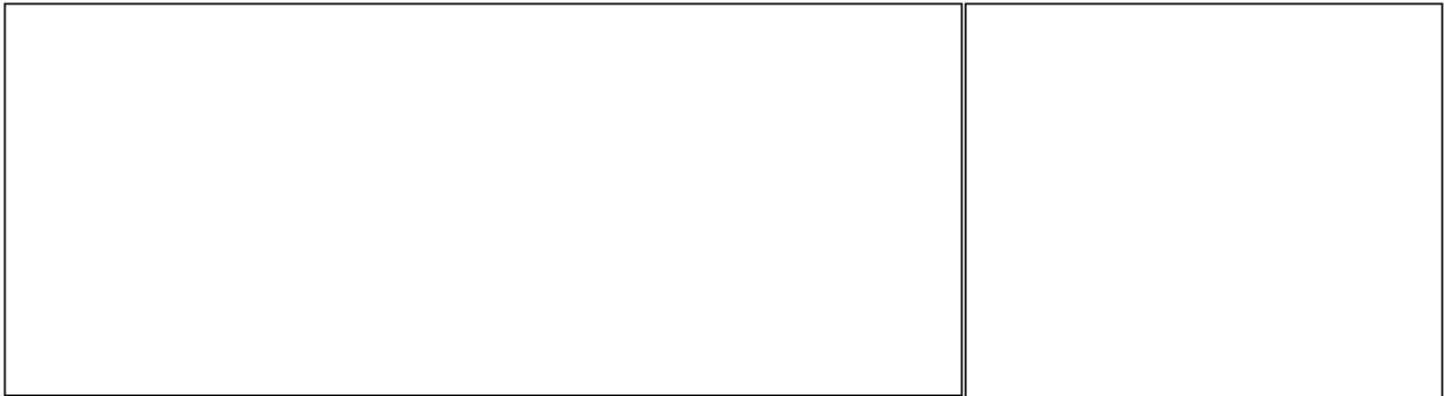
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

150 1,2,4-Trimethylbenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

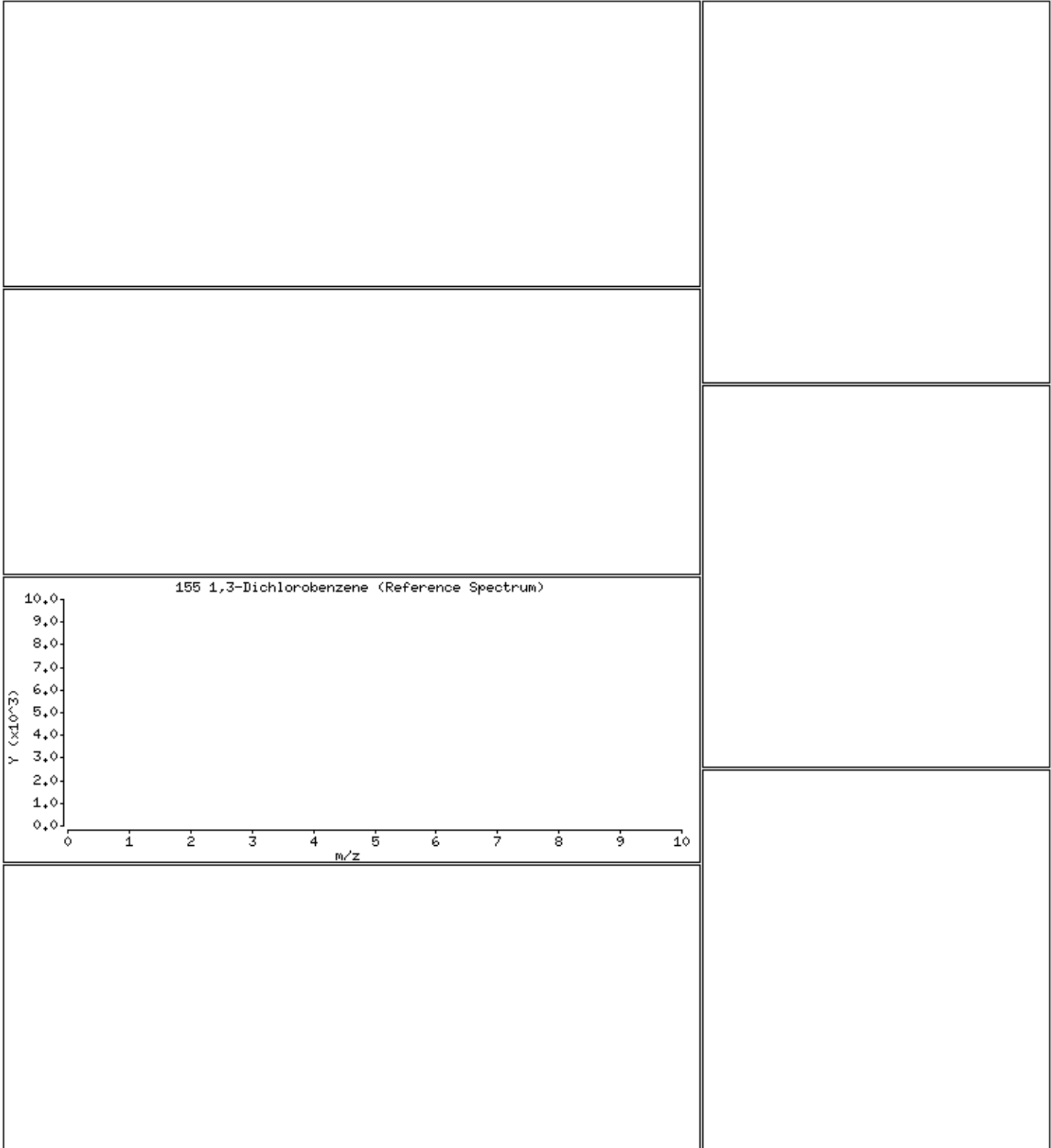
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

155 1,3-Dichlorobenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

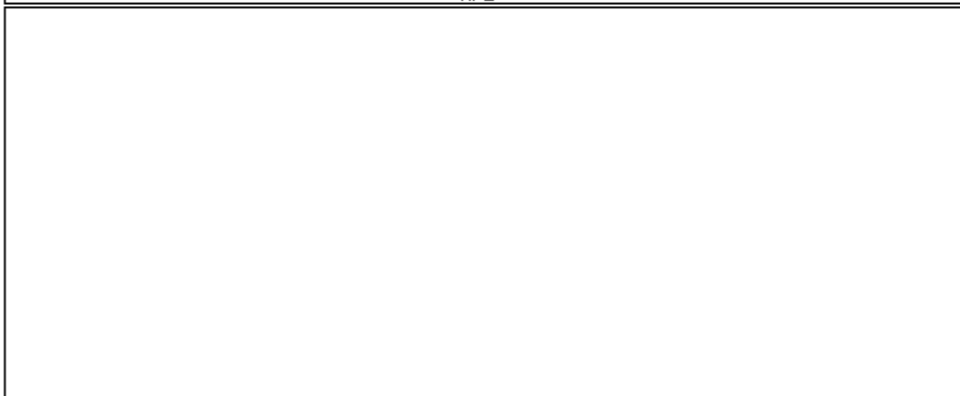
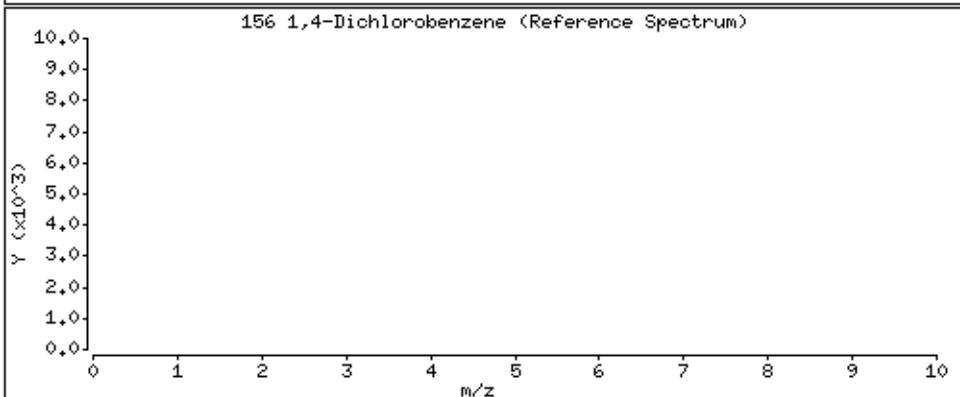
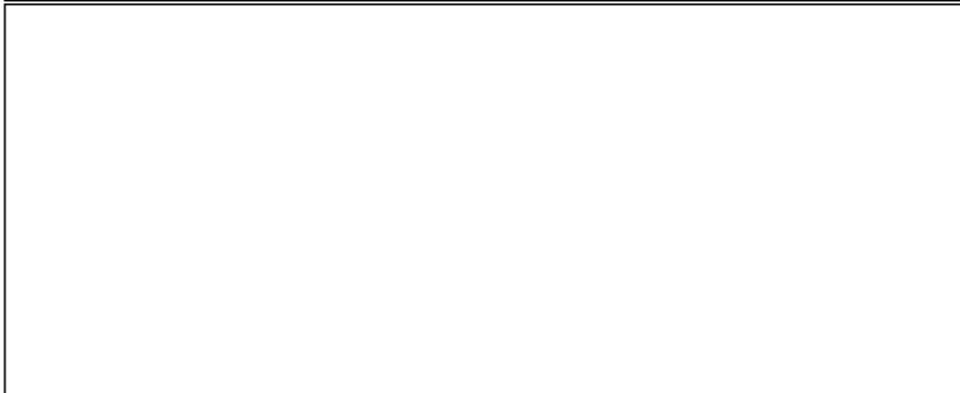
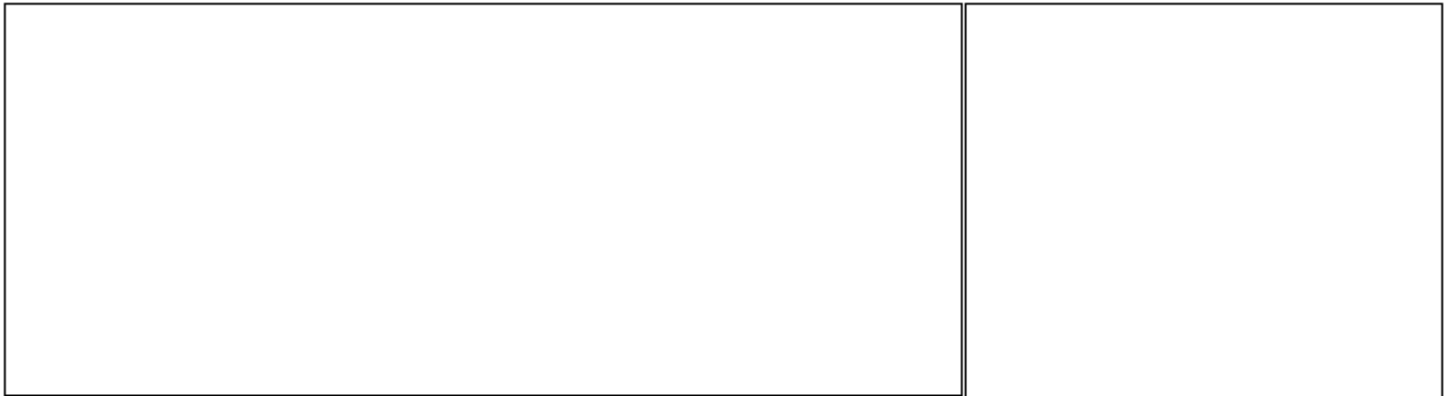
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

156 1,4-Dichlorobenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

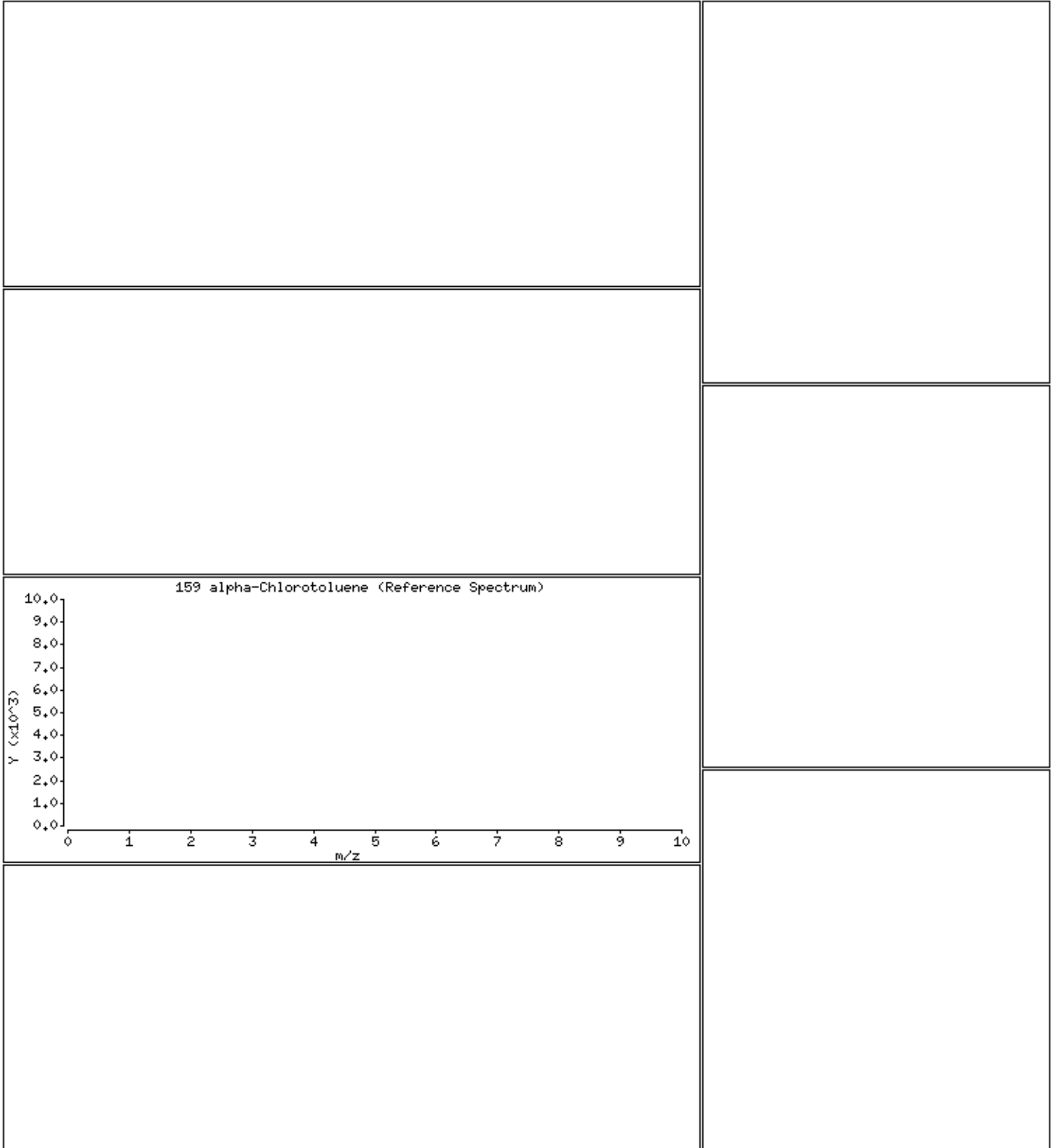
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

159 alpha-Chlorotoluene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

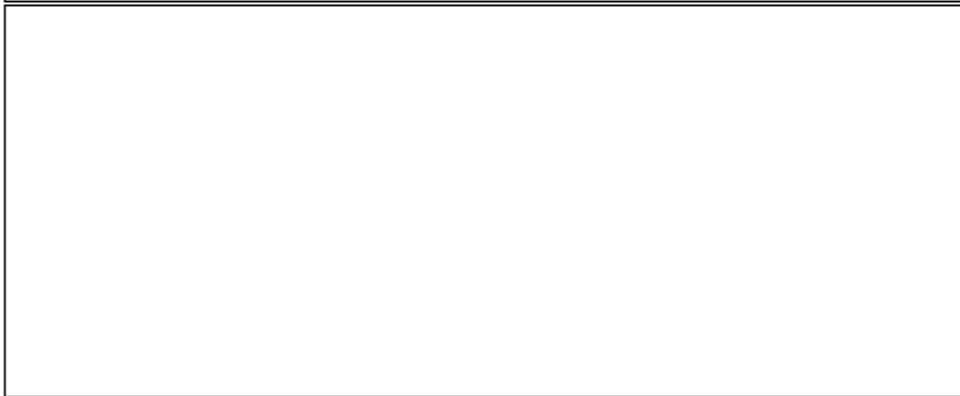
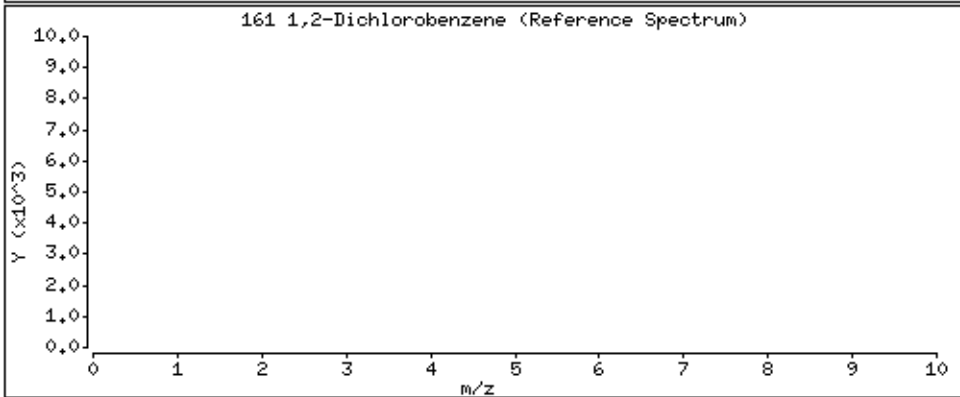
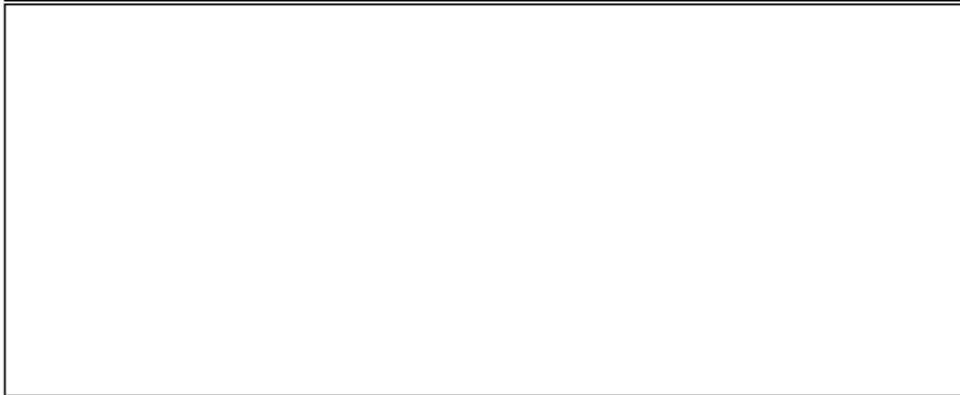
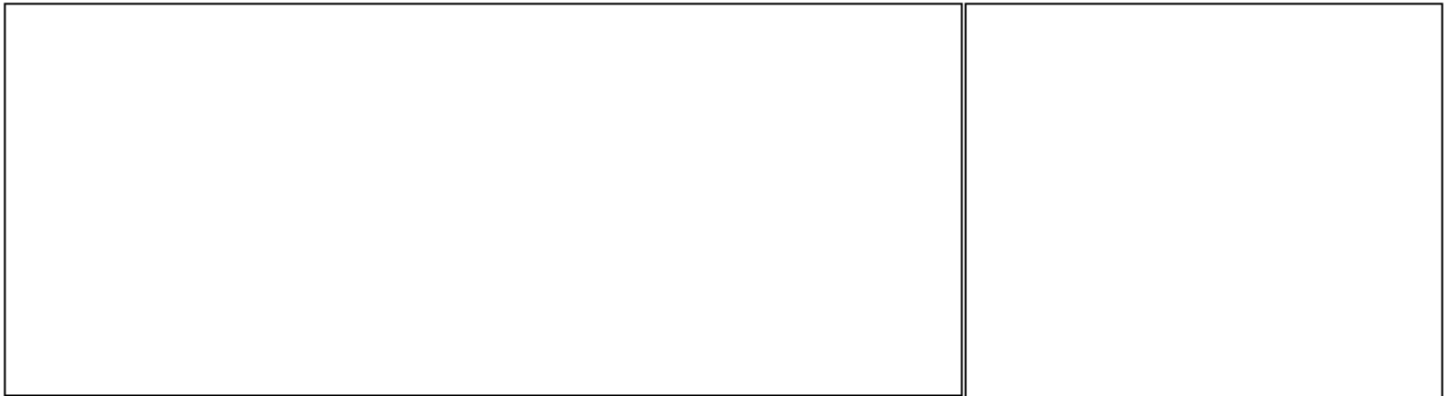
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

161 1,2-Dichlorobenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

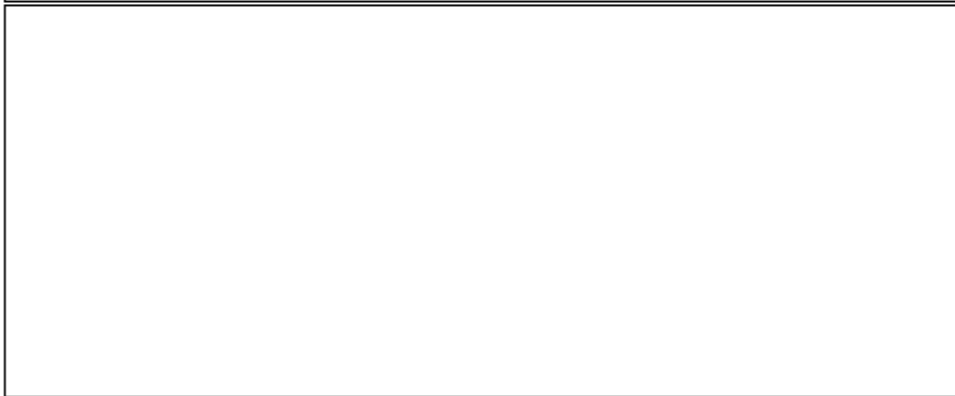
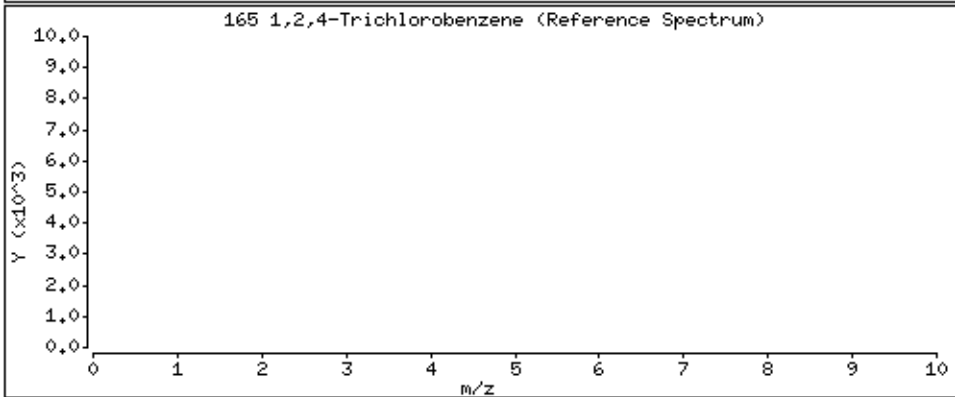
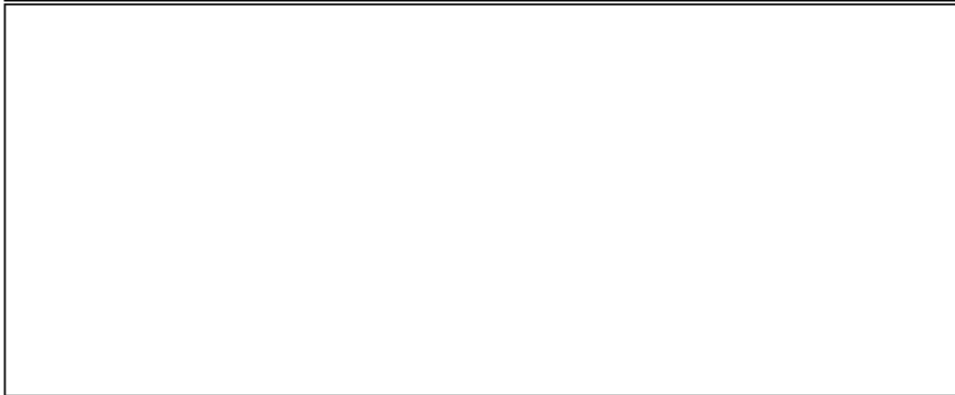
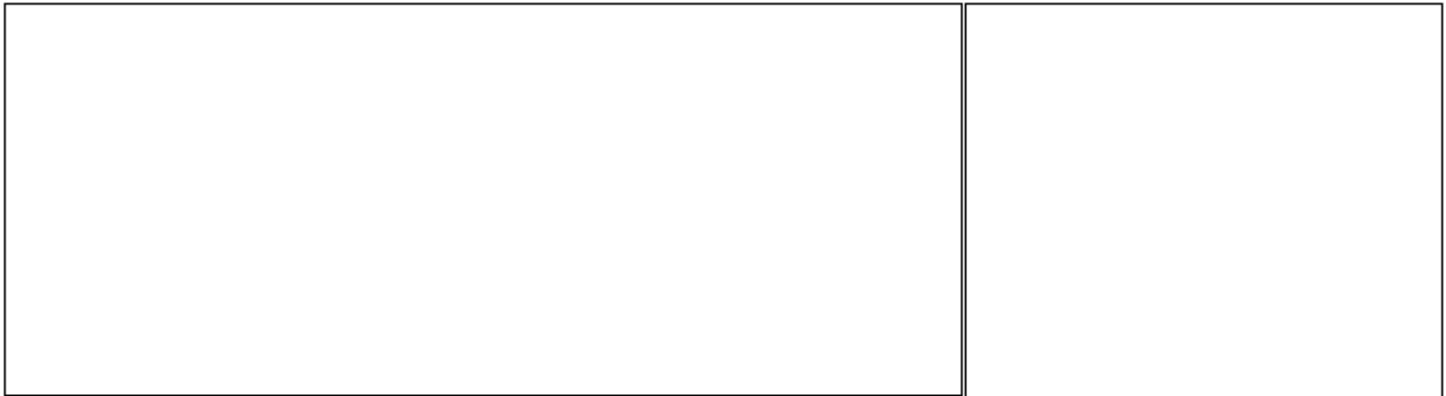
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

165 1,2,4-Trichlorobenzene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

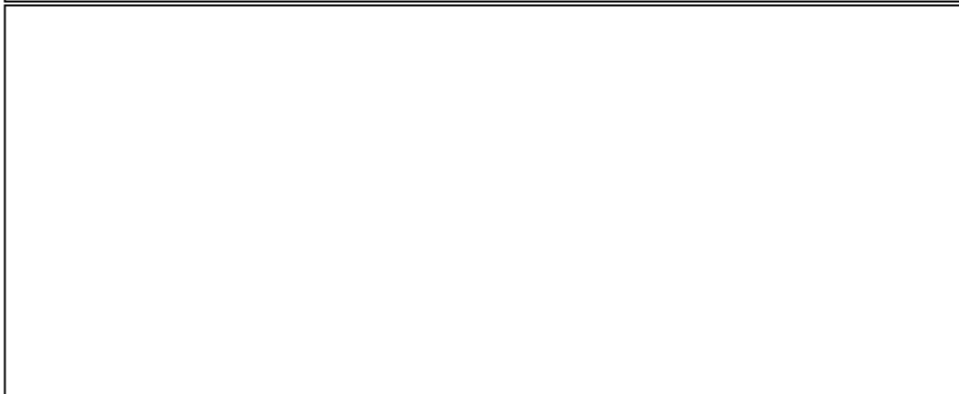
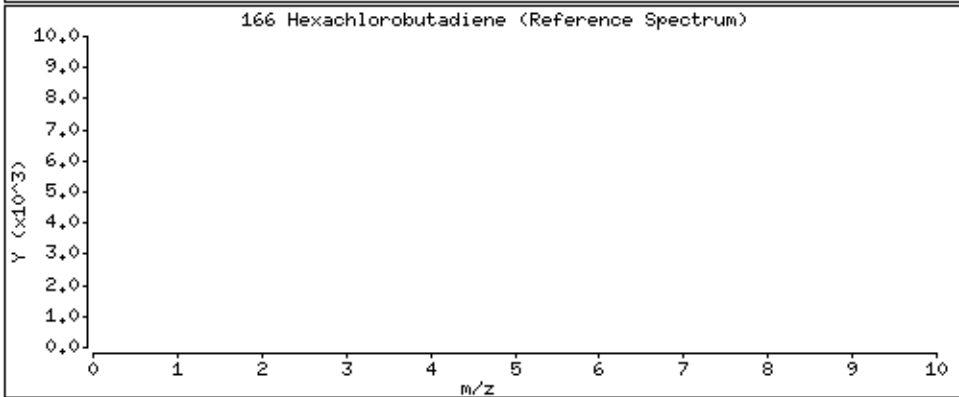
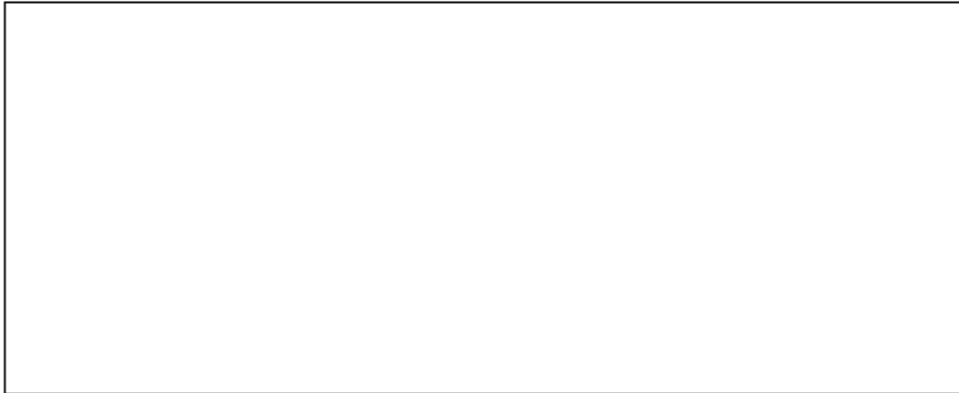
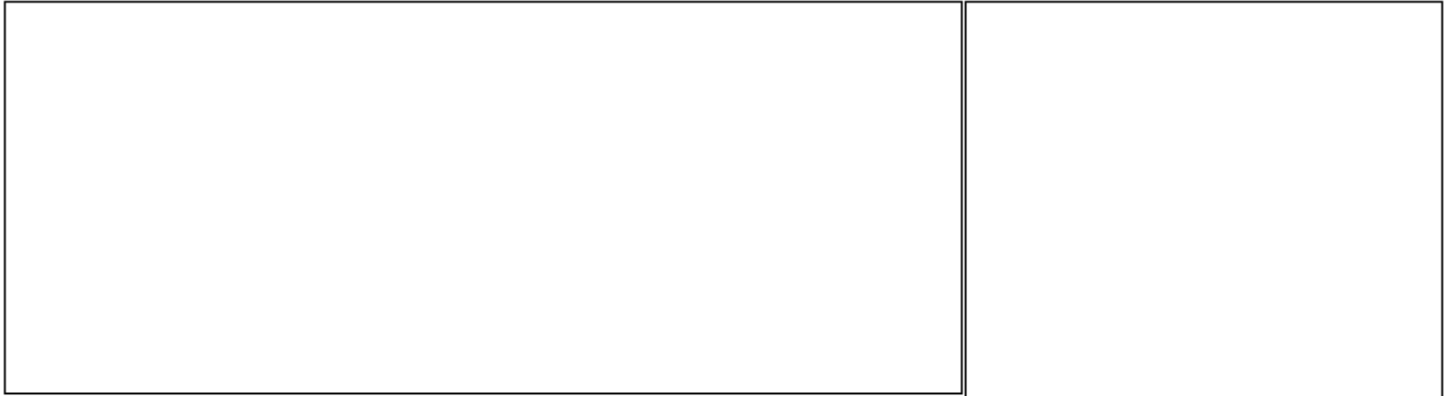
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

166 Hexachlorobutadiene



Date : 06-MAR-2007 15:32

Client ID: BFB Tune check

Instrument: msdt.i

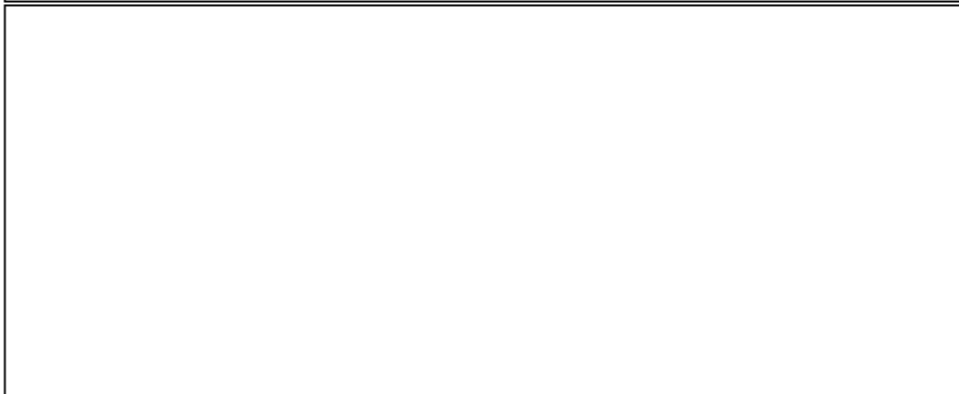
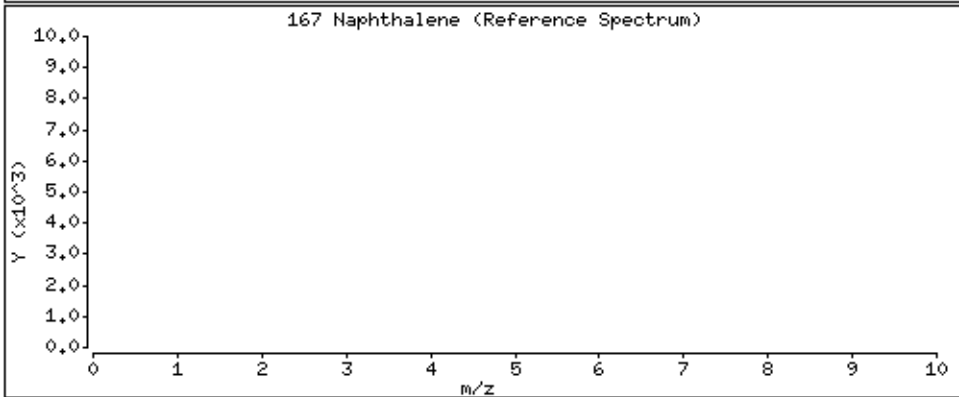
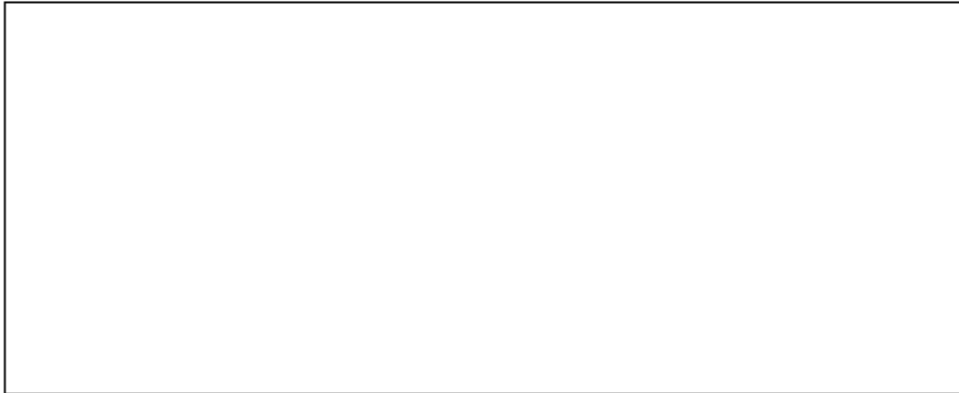
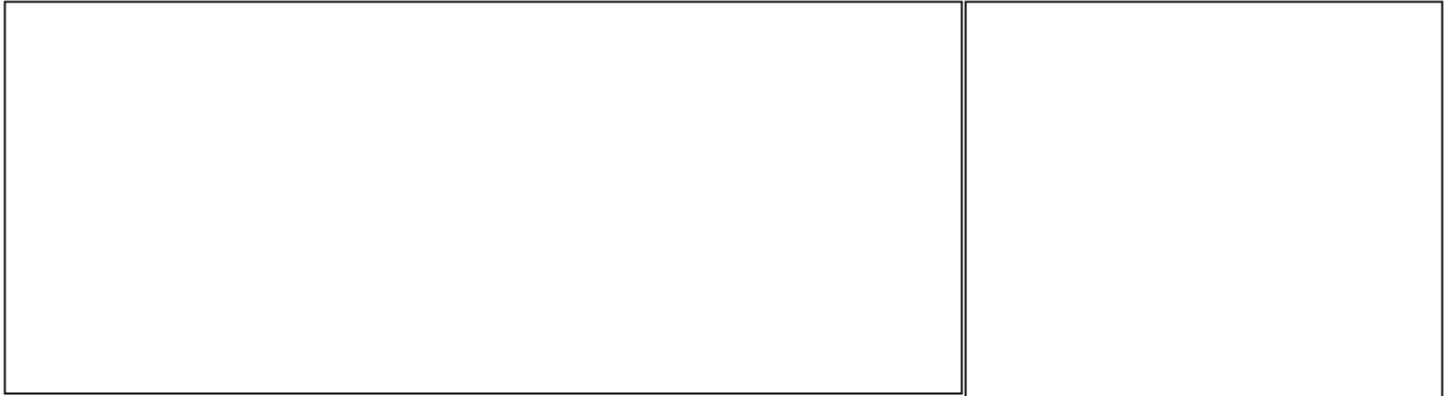
Sample Info: 2uL #843-2910

Operator: sjr

Column phase: RTX-624

Column diameter: 0.53

167 Naphthalene



Report Date: 07-Mar-2007 10:45

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

CONCENTRATIONS

ON-COL FINAL

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
==	=====	=====	====	=====	=====	=====	=====

CAS #: 460-00-4

1 bfb							
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

Date : 07-MAR-2007 10:23

Client ID: BFB

Instrument: msdt.i

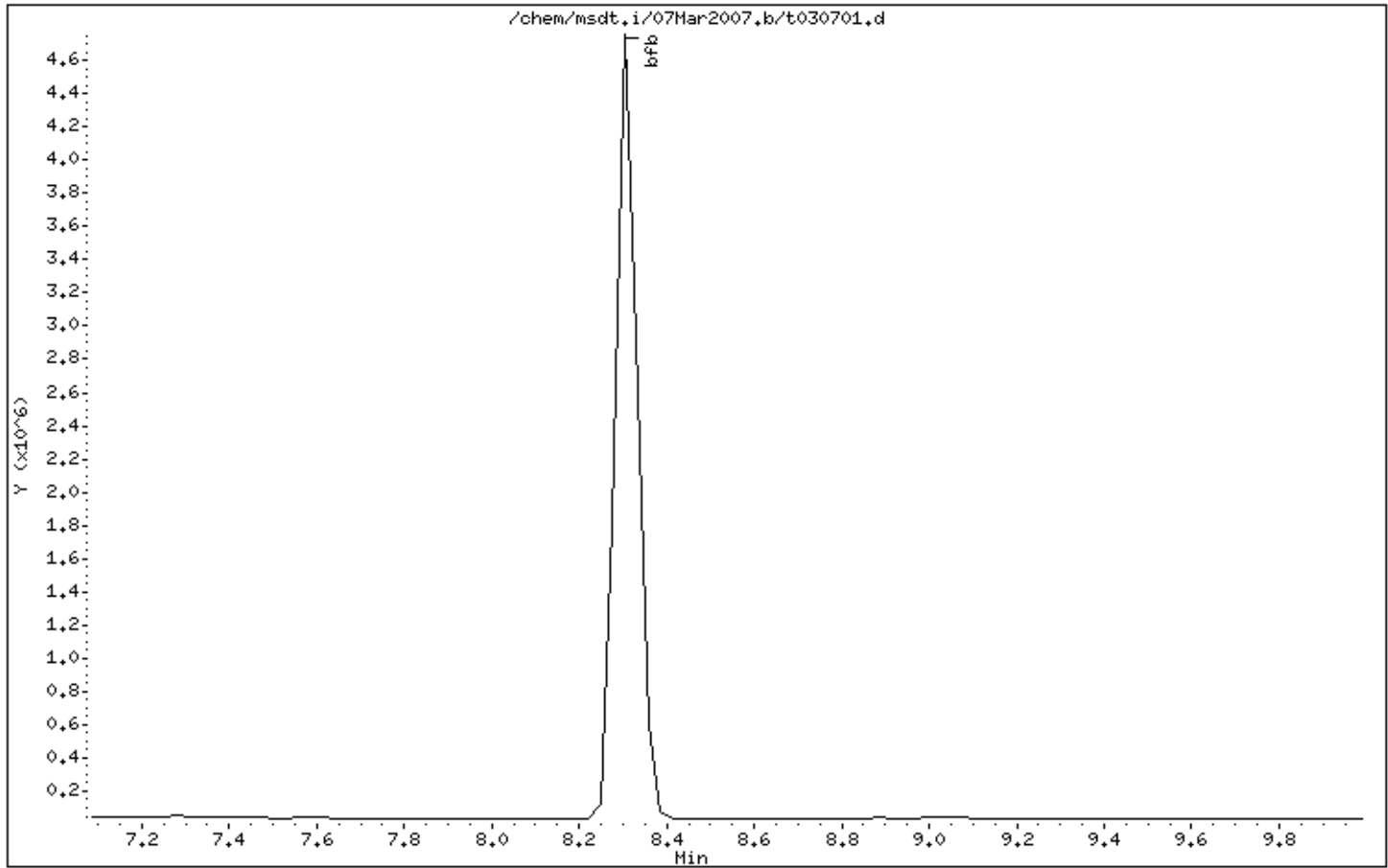
Sample Info: 2uL #843-2910;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Date : 07-MAR-2007 10:23

Client ID: BFB

Instrument: msdt.i

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

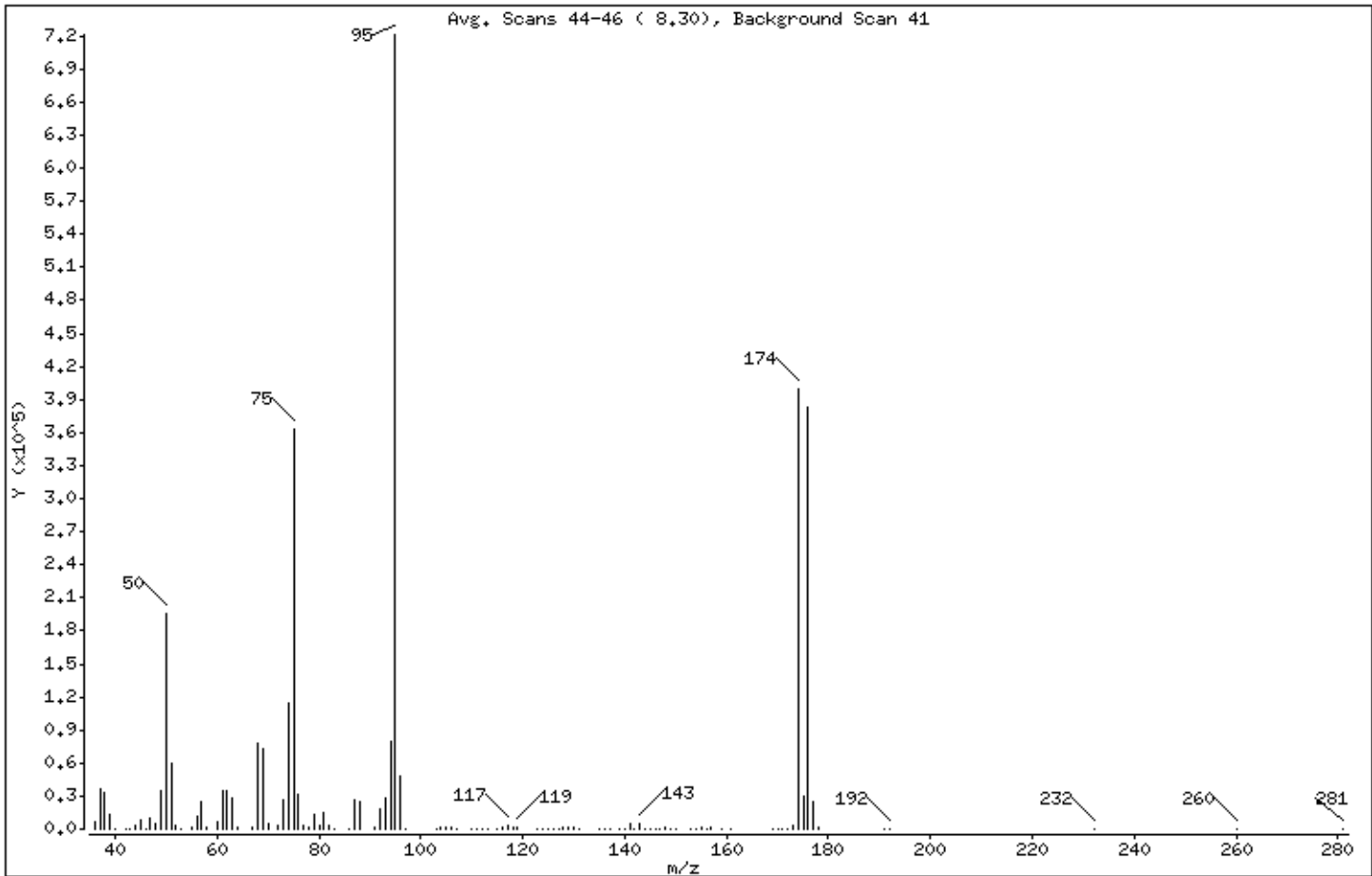
Volume Injected (uL): 1.0

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		

Report Date: 15-Mar-2007 10:41

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 FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

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	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

Date : 15-MAR-2007 09:48

Client ID: BFB

Instrument: msdt.i

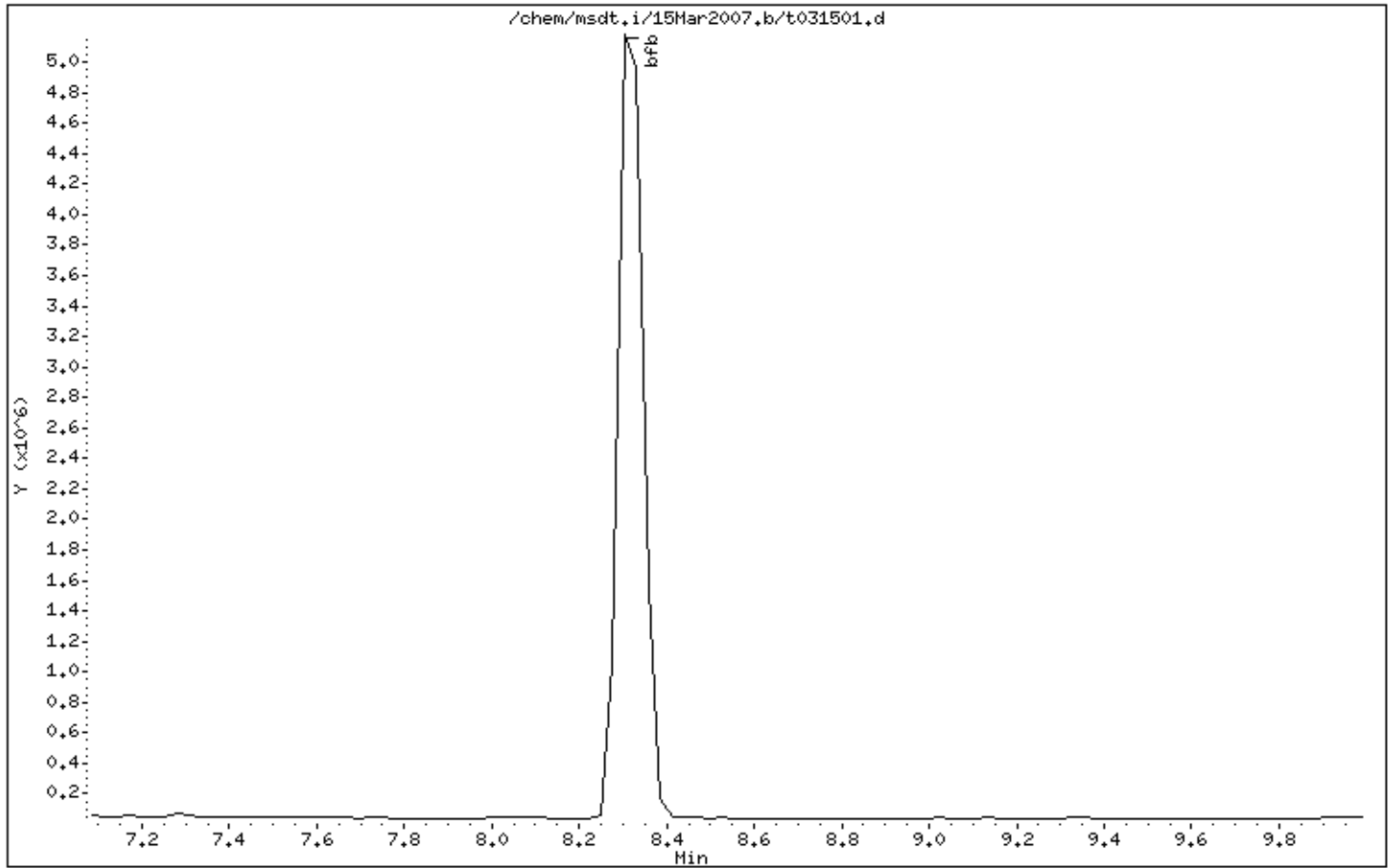
Sample Info: 2uL #843-2910;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Date : 15-MAR-2007 09:48

Client ID: BFB

Instrument: msdt.i

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

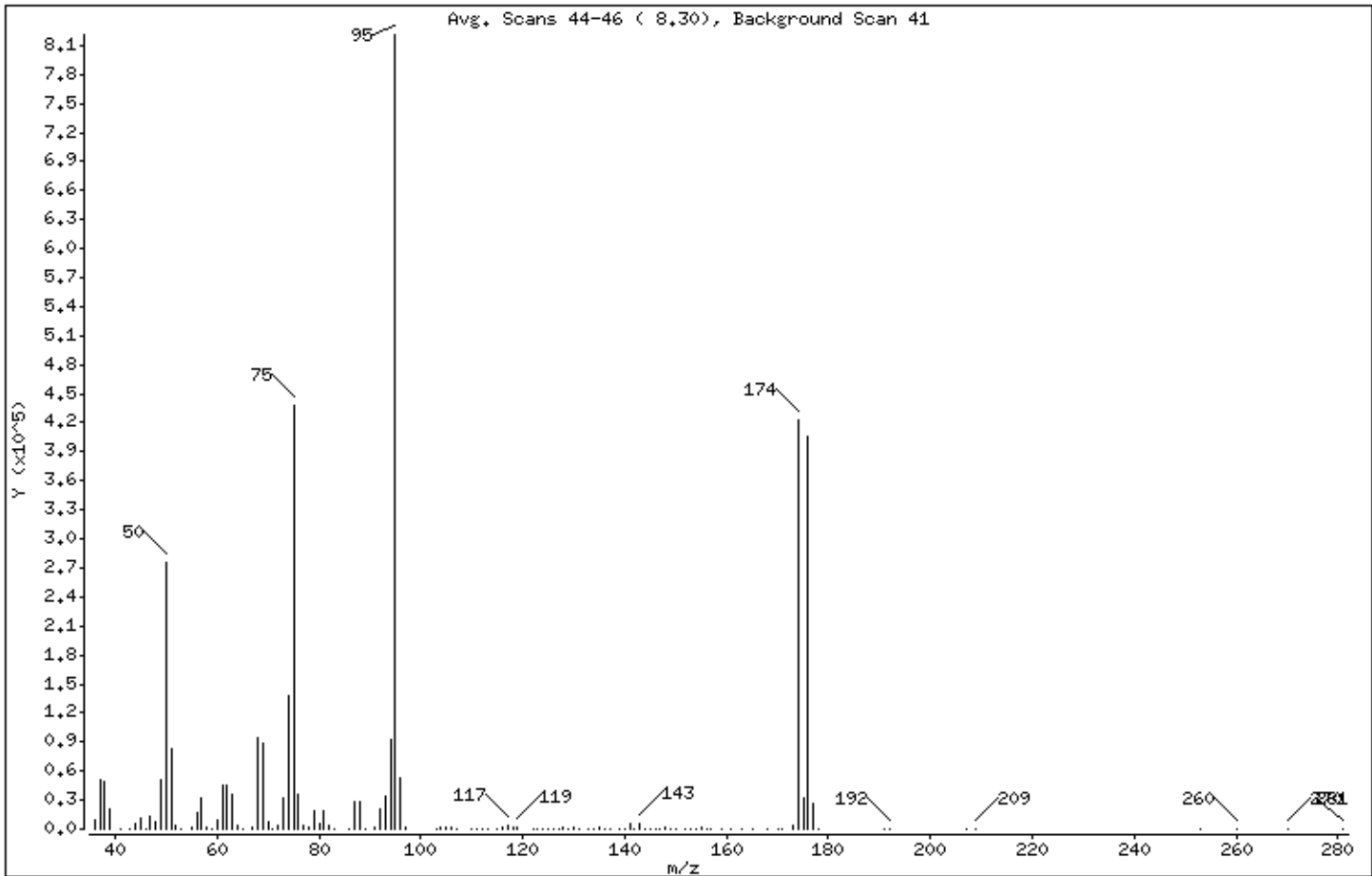
Volume Injected (uL): 1.0

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		

Report Date: 26-Mar-2007 08:11

Air Toxics Ltd.

Data file : /chem/msdt.i/26Mar2007.b/t032601.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 26-MAR-2007 08:10
 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/26Mar2007.b/bfb.m
 Meth Date : 23-Mar-2007 09:34 tsanfel 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 FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO
 == =====

RT	EXP RT	DLT RT	MASS	RESPONSE (ug/L)	(ug/L)	TARGET RANGE	RATIO
1	bfb					CAS #: 460-00-4	
8.331	8.228	0.103	95	686058		100.00- 100.00	100.00
8.331	8.228	0.103	50	204834		15.00- 40.00	29.86
8.331	8.228	0.103	75	347105		30.00- 60.00	50.59
8.331	8.228	0.103	96	46663		5.00- 9.00	6.80
8.331	8.228	0.103	173	3516		0.00- 2.00	0.85
8.331	8.228	0.103	174	413952		50.00- 100.00	60.34
8.331	8.228	0.103	175	30209		5.00- 9.00	7.30
8.331	8.228	0.103	176	402602		95.00- 101.00	97.26
8.331	8.228	0.103	177	26037		5.00- 9.00	6.47

Data File: /chem/msdt.i/26Mar2007,b/t032601.d

Page 1

Date : 26-MAR-2007 08:10

Client ID: BFB

Instrument: msdt.i

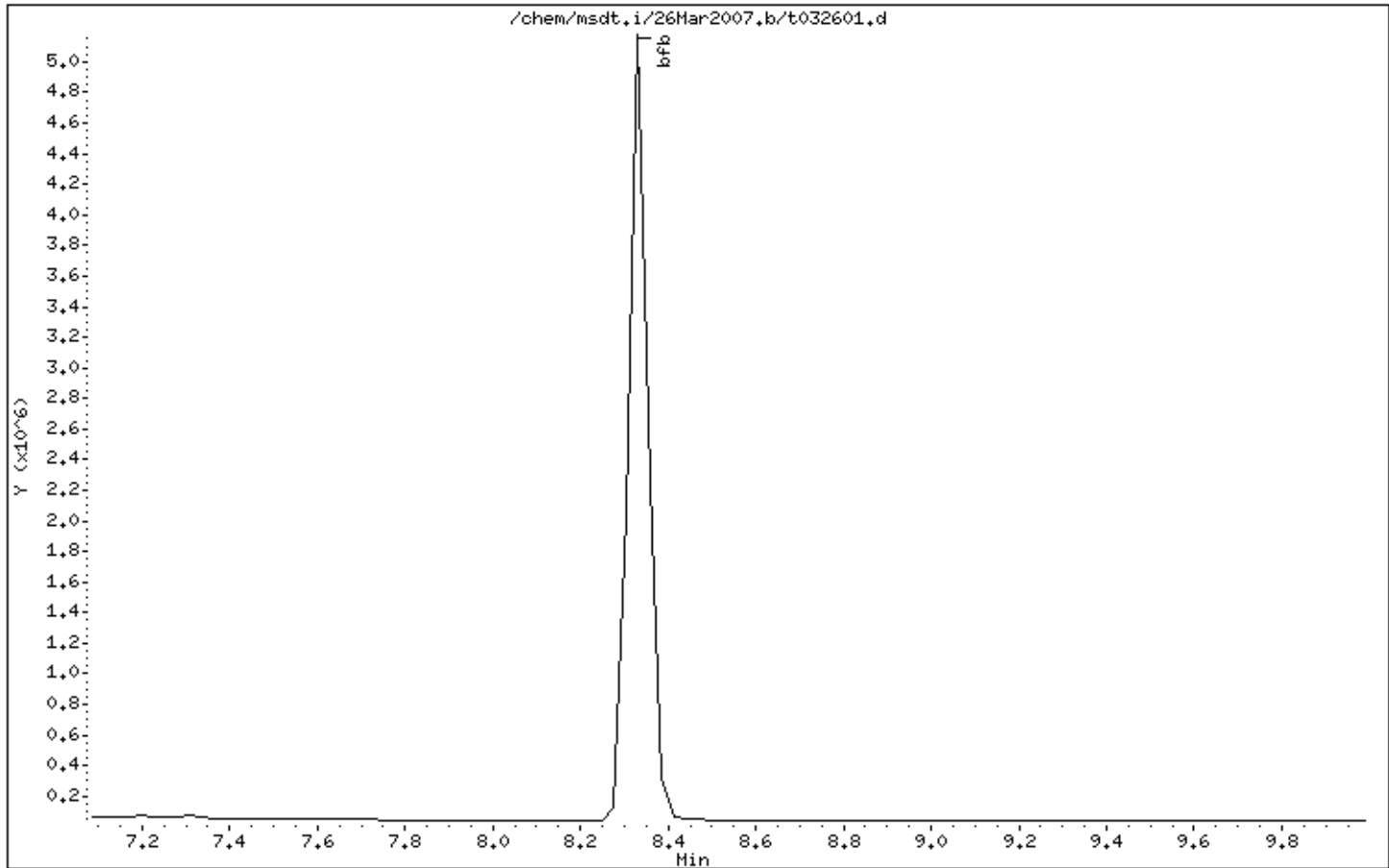
Sample Info: 2ul #843-2915;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lmr

Column phase:

Column diameter: 2.00



Date : 26-MAR-2007 08:10

Client ID: BFB

Instrument: msdt.i

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

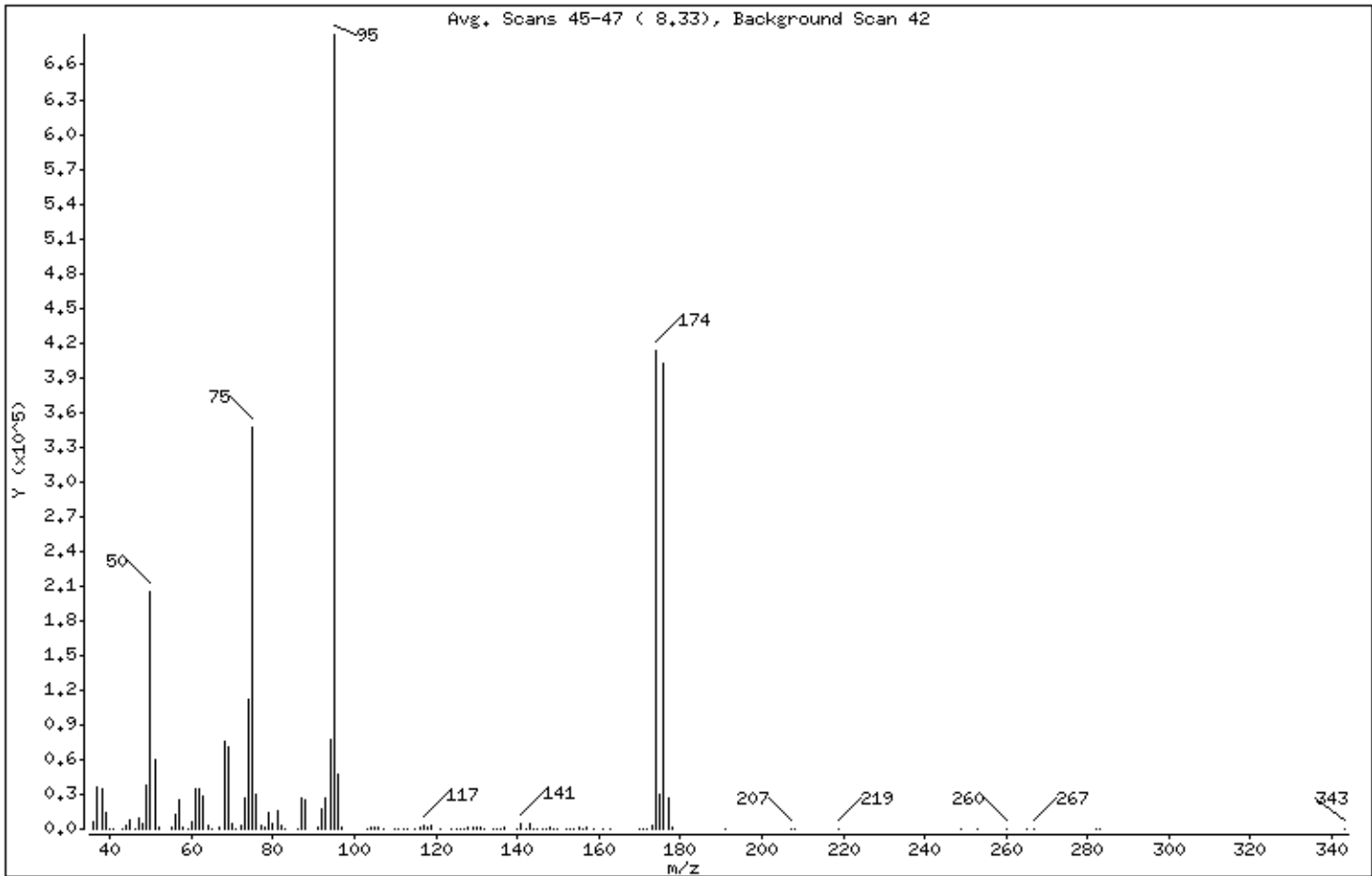
Volume Injected (uL): 1.0

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	29.86
75	30.00 - 60.00% of mass 95	50.59
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.51 (0.85)
174	50.00 - 100.00% of mass 95	60.34
175	5.00 - 9.00% of mass 174	4.40 (7.30)
176	95.00 - 101.00% of mass 174	58.68 (97.26)
177	5.00 - 9.00% of mass 176	3.80 (6.47)

Date : 26-MAR-2007 08:10

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: t032601.d

Spectrum: Avg. Scans 45-47 (8.33), Background Scan 42

Location of Maximum: 95.00

Number of points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6565	71.00	247	113.00	235	152.00	135
37.00	36896	72.00	3149	115.00	308	153.00	308
38.00	34792	73.00	26216	116.00	1828	154.00	184
39.00	14508	74.00	111360	117.00	3306	155.00	1152
40.00	224	75.00	347072	118.00	1848	156.00	259
41.00	320	76.00	29944	119.00	2415	157.00	868
43.00	199	77.00	3024	121.00	1	159.00	518
44.00	3500	78.00	2269	124.00	296	161.00	697
45.00	8185	79.00	14141	125.00	121	163.00	205
46.00	440	80.00	4774	126.00	163	170.00	268
47.00	10046	81.00	15516	127.00	272	171.00	269
48.00	4763	82.00	3643	128.00	1808	172.00	405
49.00	37472	83.00	366	129.00	1037	173.00	3516
50.00	204800	86.00	598	130.00	1988	174.00	413952
51.00	59704	87.00	26128	131.00	902	175.00	30208
52.00	2354	88.00	24680	132.00	134	176.00	402560
55.00	1924	91.00	1683	134.00	132	177.00	26032
56.00	12098	92.00	17096	135.00	605	178.00	796
57.00	25256	93.00	27568	136.00	124	191.00	31
58.00	1075	94.00	76864	137.00	799	207.00	477
59.00	16	95.00	686016	140.00	199	208.00	298
60.00	6484	96.00	46656	141.00	5007	219.00	100
61.00	34760	97.00	1482	142.00	475	249.00	104
62.00	35032	103.00	181	143.00	4794	253.00	156
63.00	28264	104.00	2326	144.00	246	260.00	238
64.00	2471	105.00	1149	145.00	295	265.00	113
65.00	128	106.00	2114	146.00	711	267.00	327
67.00	1788	107.00	696	147.00	763	282.00	177
68.00	75120	110.00	176	148.00	1066	283.00	113
69.00	70208	111.00	320	149.00	301	343.00	102
70.00	5124	112.00	140	150.00	558		

Report Date: 04-Apr-2007 08:34

Air Toxics Ltd.

Data file : /chem/msdt.i/04Apr2007.b/t040401.d
 Lab Smp Id: Client Smp ID: BFB
 Inj Date : 04-APR-2007 08:29
 Operator : cb Inst ID: msdt.i
 Smp Info : 2.0uL#843-2914;bfb tune check;bfb tune check
 Misc Info : 50 ng
 Comment :
 Method : /chem/msdt.i/04Apr2007.b/bfb.m
 Meth Date : 23-Mar-2007 09:34 tsanfel 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 FINAL

RT EXP RT DLT RT MASS RESPONSE (ug/L) (ug/L) TARGET RANGE RATIO

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	499661		100.00- 100.00	100.00
8.303	8.228	0.075	50	161738		15.00- 40.00	32.37
8.303	8.228	0.075	75	275329		30.00- 60.00	55.10
8.303	8.228	0.075	96	33522		5.00- 9.00	6.71
8.303	8.228	0.075	173	2115		0.00- 2.00	0.76
8.303	8.228	0.075	174	279088		50.00- 100.00	55.86
8.303	8.228	0.075	175	19450		5.00- 9.00	6.97
8.303	8.228	0.075	176	268573		95.00- 101.00	96.23
8.303	8.228	0.075	177	17302		5.00- 9.00	6.44

Date : 04-APR-2007 08:29

Client ID: BFB

Instrument: msdt.i

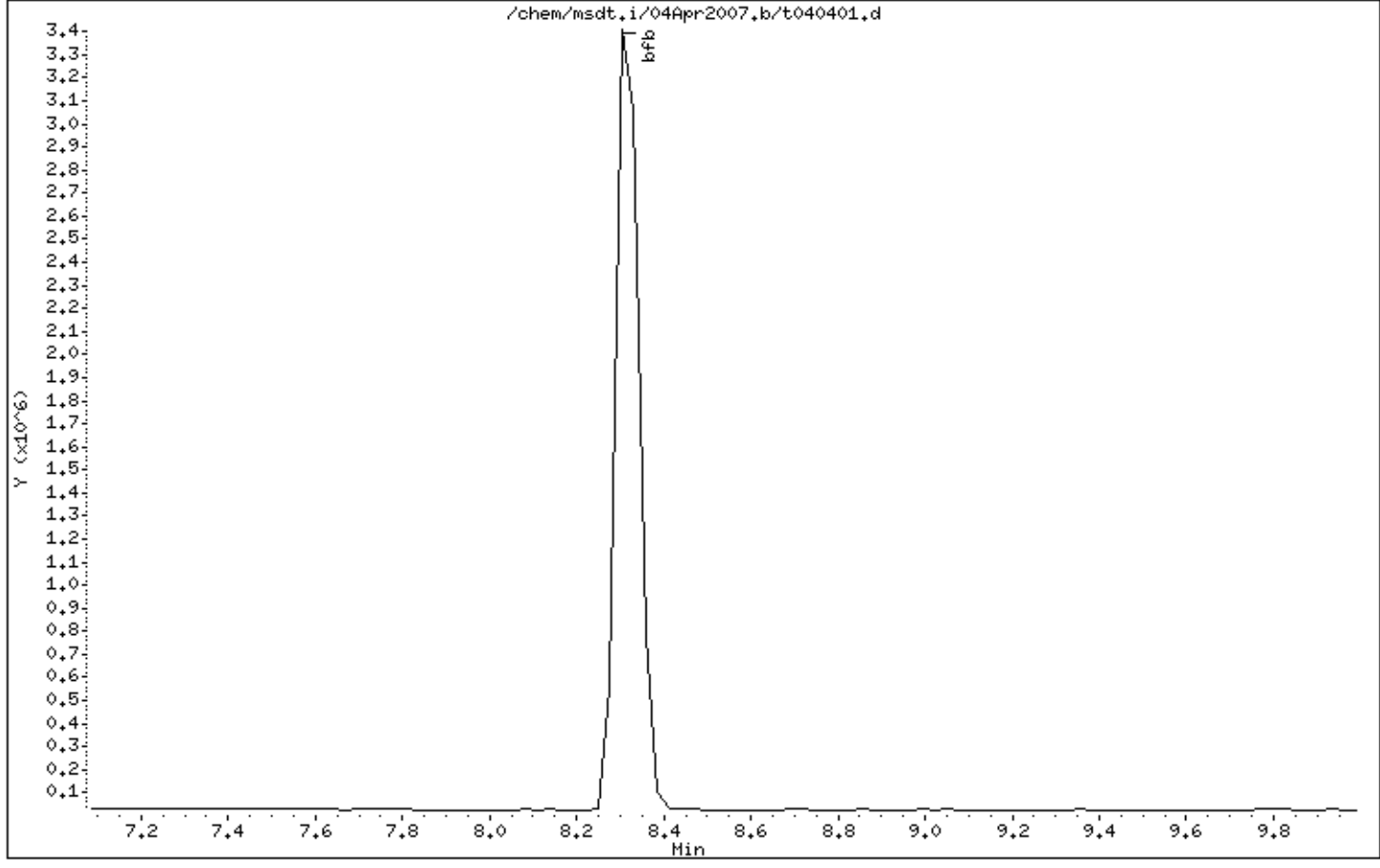
Sample Info: 2.0uL#843-2914;bfb tune check;bfb tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00



Date : 04-APR-2007 08:29

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL#843-2914;bfb tune check;bfb tune check

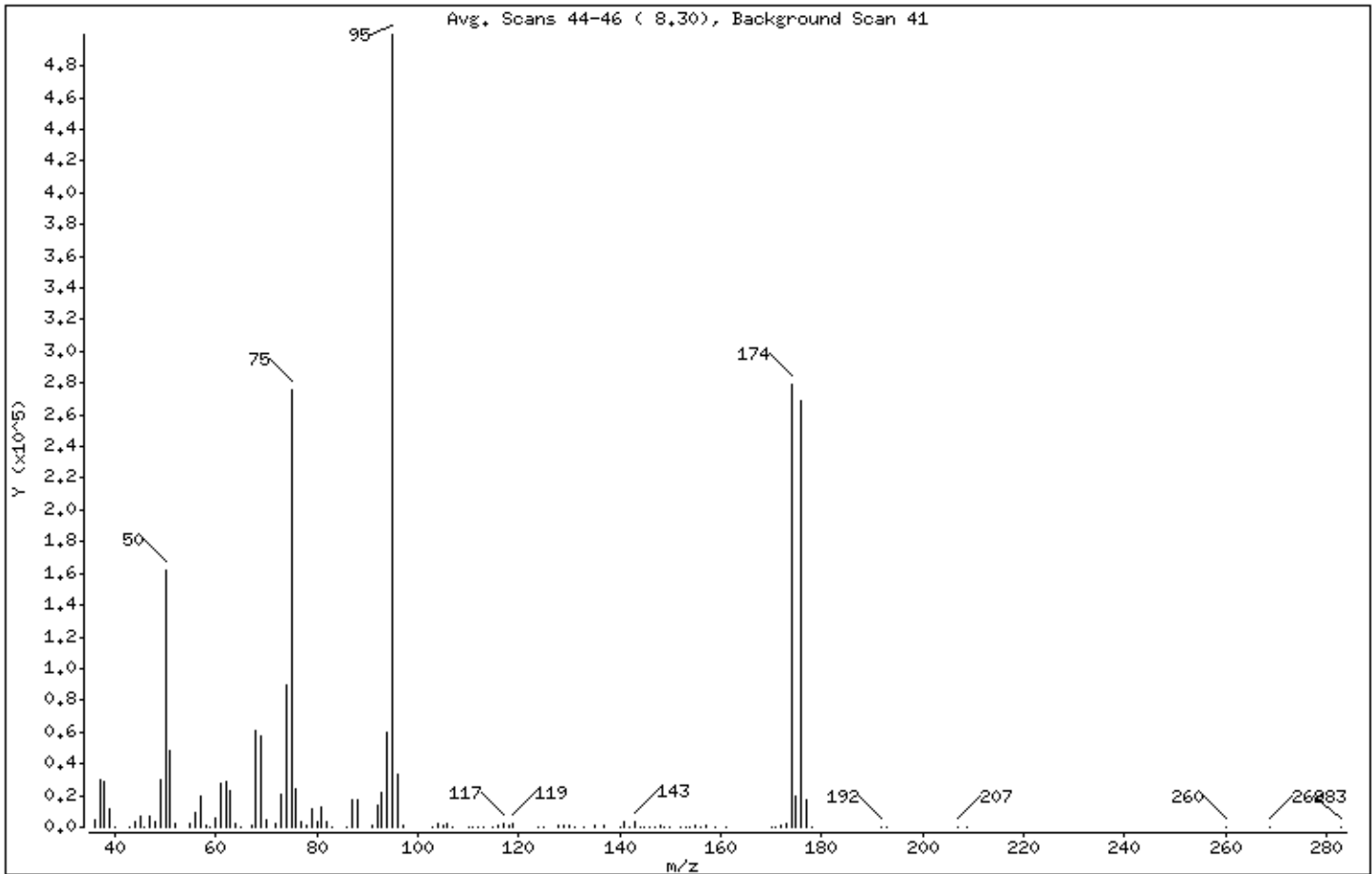
Volume Injected (uL): 1.0

Operator: cb

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	32.37
75	30.00 - 60.00% of mass 95	55.10
96	5.00 - 9.00% of mass 95	6.71
173	Less than 2.00% of mass 174	0.42 (0.76)
174	50.00 - 100.00% of mass 95	55.86
175	5.00 - 9.00% of mass 174	3.89 (6.97)
176	95.00 - 101.00% of mass 174	53.75 (96.23)
177	5.00 - 9.00% of mass 176	3.46 (6.44)

Date : 04-APR-2007 08:29

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL#843-2914;bfb tune check;bfb tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

Data File: t040401.d

Spectrum: Avg. Scans 44-46 (8.30), Background Scan 41

Location of Maximum: 95.00

Number of points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5102	69.00	57360	107.00	457	149.00	276
37.00	30096	70.00	4162	110.00	244	150.00	379
38.00	29184	72.00	2599	111.00	331	152.00	120
39.00	12049	73.00	20608	112.00	225	153.00	285
40.00	183	74.00	89216	113.00	282	154.00	276
43.00	269	75.00	275328	115.00	428	155.00	830
44.00	3231	76.00	23968	116.00	1468	156.00	261
45.00	6589	77.00	2927	117.00	2394	157.00	621
46.00	367	78.00	1528	118.00	1404	159.00	496
47.00	7251	79.00	11819	119.00	1960	161.00	566
48.00	3927	80.00	3707	124.00	256	170.00	110
49.00	30128	81.00	12614	125.00	114	171.00	110
50.00	161728	82.00	2923	128.00	1338	172.00	643
51.00	48240	83.00	242	129.00	624	173.00	2115
52.00	2169	86.00	420	130.00	1295	174.00	279040
55.00	1801	87.00	16936	131.00	548	175.00	19448
56.00	9482	88.00	16808	133.00	122	176.00	268544
57.00	19936	91.00	1346	135.00	804	177.00	17296
58.00	899	92.00	13256	137.00	649	178.00	521
59.00	423	93.00	21512	140.00	161	192.00	102
60.00	5330	94.00	59280	141.00	3651	193.00	70
61.00	28112	95.00	499648	142.00	424	207.00	361
62.00	28264	96.00	33520	143.00	3989	209.00	196
63.00	22480	97.00	1148	144.00	127	260.00	219
64.00	1960	103.00	482	145.00	307	269.00	24
65.00	448	104.00	1903	146.00	573	283.00	113
67.00	1317	105.00	672	147.00	28		
68.00	61104	106.00	1899	148.00	812		

Shipping/ Receiving Documents



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**180 Blue Ravine Road, Suite B
Folsom, CA 95630**

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

COMPANY: _____ GEI Consultants, Inc.
ATTENTION: _____ Ms. Sarah Aldridge
FAX #: _____ 860-368-5307
FROM: _____ Sample Receiving
Workorder #: _____ 0703617
of pages (Including Cover): _____ 1

4/12/2007

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.

AIR TOXICS LTD.

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: (915) 985-1020

Contact	GEI Consultants, Inc.	Project Info:	Turn Around Time:
Company	455 Winding Brook Glastonbury CT 06033	P.O. #	<input checked="" type="checkbox"/> Normal
Address	860-388-5300 Cell:	Project #	<input type="checkbox"/> Rush
Phone	Collected By: Signature: <i>Scott Hays</i>	Project Name	Specify <i>12/3/08 BT</i>
		BayShore OU1 Southern cell Air Monitoring	

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Initial	Pressure/Vacuum	Receipt
01A	AMIS 4 DW	3/22/07 7:00-15:00	TO-15 + Naphthalene	-30	-8.5	10.5
02A	AMIS 2 PW	3/22/07 10:00-15:00	TO-15 + Naphthalene	-30	-6.5	10.0

Relinquished By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20	Received By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20
Relinquished By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20	Received By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20
Relinquished By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20	Received By: (Signature) <i>[Signature]</i> Date/Time: 3/22/07 15:20

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

Lab	Shipped Name	Lab Bill #	Opened By	Temp (C)	Conditions	Custom Seal	Work Order #
User: Only	FedEx	85716420648	Joe	NA	good	Yes No None	0703619



AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0703617

Client	Phone	Date Promised: 04/10/07
Ms. Sarah Aldridge	860-368-5300	Date Completed: 4/9/07
GEI Consultants, Inc.		Date Received: 3/27/07
455 Winding Brook Dr. Suite 201	Fax	PO#: NR
Glastonbury, CT 06033	860-368-5307	Project#: 061140-8-1703 BayShore OU1 Southern cell Air
Sales Rep: ANS		Total \$: \$ 542.30
		Logged By: MW

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
01A	AMS 4 UW	Modified TO-15	3/22/2007	6.5 "Hg	\$225.00
01AA	AMS 4 UW Duplicate	Modified TO-15	3/22/2007	6.5 "Hg	\$0.00
02A	AMS 2 DW	Modified TO-15	3/22/2007	6.0 "Hg	\$225.00
03A	Lab Blank	Modified TO-15	NA	NA	\$0.00
04A	CCV	Modified TO-15	NA	NA	\$0.00
05A	LCS	Modified TO-15	NA	NA	\$0.00

Misc. Charges Shipping Charges (Shipped Priority Overnight 3/20/07.) \$92.30

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: Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Dr. Suite 201
Glastonbury, CT 06033
Analysis Code: TO-14A

Reporting Method: Modified TO-15 + Naph

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

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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	Type
		ppbv	
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	Type
		ppbv	
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	

DATA REVIEW CHECKLIST

Work Order #:

0703617

- 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)
- Corrective Action issued - # _____
- Unusual circumstances have been documented in the notes section below

LUMEN validation report present and initialed

CIRCLE (YES / NO)

- Lab Blank, CCV, LCS and DUP met QC criteria
- Hold time is met for all samples
- 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)
- TICs resemble reference spectra
- TICs between duplicate samples are consistent
- Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
- Special units for all samples in the final report are correctly calculated
- Manually entered results checked (i.e. special CCV compounds)
- TPH/NMOC (verify calculations and correct reference compound used)
- Chain of Custody scanned correctly
- Verify sample id's vs. chain of custody
- Samples pressurized w/ appropriate gas (N₂ 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
- Extra printed copies are provided per client profile
- 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: Don't see CLV
lost in KS

M/Q: _____

A (Analytical Review/Date) 4/4/07 R/T (Reporting Review/Date) 4-6-07 M (Management Review/Date) 4/9/07 Q (QA Review/Date)

T: _____

Not Applicable