eCVP

Electronic Comprehensive Validation Package

WO# 0612086

Air Toxics Ltd.

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0612086

	Page Nos.	
	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. Lumen Validation Report	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	36
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)	37	44
b. Surrogate Recover Summary Form (If Applicable)	45	45
c. Internal Standard Summary Form (If Applicable)	46	46
d. Duplicate Results Summary Sheet	--	--
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	47	162
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	163	176
i. Second Source LCS(Summary + Raw Data)	177	193
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	194	195
l. GC/MS Tune (Results + Raw Data)	196	210
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	211	212
b. Chain-of-Custody Records	213	214
c. Sample Log-In Sheet	215	215
d. Misc Shipping/Receiving Records (list of individual records)		
Sample Receipt Discrepancy Report	--	--
5. Other Records (describe or list)		
a. Manual Spectral Defense	--	--
b. Manual Integrations	--	--
c. Manual Calculations	--	--
d. Canister Dilution Factors	216	218
e. Laboratory Corrective Action Request	--	--
f. CAS Number Reference	219	220
g. Variance Table	--	--
h. Canister Certification	221	224
i. Data Review Check Sheet	225	225

Comments:

Completed by:

Judy Lee	Judy Lee / Document Control	12/18/06
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0612086

Work Order Summary

CLIENT:	Mr. Jeremy Wolf ERM-New England (WPI) 1159 Pittsford-Victor Road Suite 200 Pittsford, NY 14534	**BILL TO:**	Mr. Jeremy Wolf ERM-New England (WPI) 1159 Pittsford-Victor Road Suite 200 Pittsford, NY 14534
PHONE:	585-387-0510 x26	**P.O. #**	Former Raeco Products NYS
FAX:	585-387-0603	**PROJECT #**	0021427 SVE PILOT TEST
DATE RECEIVED:	12/05/2006	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	12/14/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	PT-PRE (120106)	Modified TO-15	7.0 "Hg
02A	PT-POST (120106)	Modified TO-15	7.5 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda L. Truman DATE: 12/14/06

Laboratory Director

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

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LABORATORY NARRATIVE
Modified TO-15
ERM-New England
Workorder# 0612086

Two 6 Liter Summa Canister (100% Certified) samples were received on December 05, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

The reported LCS for each daily batch has been derived from more than one analytical file.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

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

N - The identification is based on presumptive evidence.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
PT-PRE (120106)	0612086-01A	12/ 1/2006	12/ 5/2006	NA	12	12/13/2006	NA	Good
PT-POST (120106)	0612086-02A	12/ 1/2006	12/ 5/2006	NA	12	12/13/2006	NA	Good
Lab Blank	0612086-03A	NA	NA	NA	NA	12/13/2006	NA	Good
CCV	0612086-04A	NA	NA	NA	NA	12/13/2006	NA	Good
LCS	0612086-05A	NA	NA	NA	NA	12/13/2006	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: PT-PRE (120106)

Lab ID#: 0612086-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Vinyl Chloride	470	38000	1200	98000
Chloroethane	470	8700	1200	23000
Methylene Chloride	470	760	1600	2600
Hexane	470	5500	1600	19000
1,1-Dichloroethane	470	3700	1900	15000
cis-1,2-Dichloroethene	470	7000	1800	28000
1,1,1-Trichloroethane	470	2500	2500	14000
Cyclohexane	470	1500	1600	5300
Heptane	470	5000	1900	21000
Toluene	470	120000	1800	460000
Ethyl Benzene	470	3800	2000	16000
m,p-Xylene	470	14000	2000	60000
o-Xylene	470	3500	2000	15000
4-Ethyltoluene	470	520	2300	2600

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PT-PRE (120106)

Lab ID#: 0612086-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121310**	**Date of Collection:**	**12/1/06**
Dil. Factor:	**933**	**Date of Analysis:**	**12/13/06 03:41 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	470	Not Detected	2300	Not Detected
Freon 114	470	Not Detected	3300	Not Detected
Chloromethane	1900	Not Detected	3800	Not Detected
Vinyl Chloride	470	38000	1200	98000
1,3-Butadiene	470	Not Detected	1000	Not Detected
Bromomethane	470	Not Detected	1800	Not Detected
Chloroethane	470	8700	1200	23000
Freon 11	470	Not Detected	2600	Not Detected
Ethanol	1900	Not Detected	3500	Not Detected
Freon 113	470	Not Detected	3600	Not Detected
1,1-Dichloroethene	470	Not Detected	1800	Not Detected
Acetone	1900	Not Detected	4400	Not Detected
2-Propanol	1900	Not Detected	4600	Not Detected
Carbon Disulfide	470	Not Detected	1400	Not Detected
3-Chloropropene	1900	Not Detected	5800	Not Detected
Methylene Chloride	470	760	1600	2600
Methyl tert-butyl ether	470	Not Detected	1700	Not Detected
trans-1,2-Dichloroethene	470	Not Detected	1800	Not Detected
Hexane	470	5500	1600	19000
1,1-Dichloroethane	470	3700	1900	15000
2-Butanone (Methyl Ethyl Ketone)	470	Not Detected	1400	Not Detected
cis-1,2-Dichloroethene	470	7000	1800	28000
Tetrahydrofuran	470	Not Detected	1400	Not Detected
Chloroform	470	Not Detected	2300	Not Detected
1,1,1-Trichloroethane	470	2500	2500	14000
Cyclohexane	470	1500	1600	5300
Carbon Tetrachloride	470	Not Detected	2900	Not Detected
2,2,4-Trimethylpentane	470	Not Detected	2200	Not Detected
Benzene	470	Not Detected	1500	Not Detected
1,2-Dichloroethane	470	Not Detected	1900	Not Detected
Heptane	470	5000	1900	21000
Trichloroethene	470	Not Detected	2500	Not Detected
1,2-Dichloropropane	470	Not Detected	2200	Not Detected
1,4-Dioxane	1900	Not Detected	6700	Not Detected
Bromodichloromethane	470	Not Detected	3100	Not Detected
cis-1,3-Dichloropropene	470	Not Detected	2100	Not Detected
4-Methyl-2-pentanone	470	Not Detected	1900	Not Detected
Toluene	470	120000	1800	460000
trans-1,3-Dichloropropene	470	Not Detected	2100	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PT-PRE (120106)

Lab ID#: 0612086-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121310**	**Date of Collection: 12/1/06**	
Dil. Factor:	**933**	**Date of Analysis: 12/13/06 03:41 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	470	Not Detected	2500	Not Detected
Tetrachloroethene	470	Not Detected	3200	Not Detected
2-Hexanone	1900	Not Detected	7600	Not Detected
Dibromochloromethane	470	Not Detected	4000	Not Detected
1,2-Dibromoethane (EDB)	470	Not Detected	3600	Not Detected
Chlorobenzene	470	Not Detected	2100	Not Detected
Ethyl Benzene	470	3800	2000	16000
m,p-Xylene	470	14000	2000	60000
o-Xylene	470	3500	2000	15000
Styrene	470	Not Detected	2000	Not Detected
Bromoform	470	Not Detected	4800	Not Detected
Cumene	470	Not Detected	2300	Not Detected
1,1,2,2-Tetrachloroethane	470	Not Detected	3200	Not Detected
Propylbenzene	470	Not Detected	2300	Not Detected
4-Ethyltoluene	470	520	2300	2600
1,3,5-Trimethylbenzene	470	Not Detected	2300	Not Detected
1,2,4-Trimethylbenzene	470	Not Detected	2300	Not Detected
1,3-Dichlorobenzene	470	Not Detected	2800	Not Detected
1,4-Dichlorobenzene	470	Not Detected	2800	Not Detected
alpha-Chlorotoluene	470	Not Detected	2400	Not Detected
1,2-Dichlorobenzene	470	Not Detected	2800	Not Detected
1,2,4-Trichlorobenzene	1900	Not Detected	14000	Not Detected
Hexachlorobutadiene	1900	Not Detected	20000	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121310.d
Lab Smp Id: 0612086-01A
Inj Date : 13-DEC-2006 15:41
Operator : sjr Inst ID: msdt.i
Smp Info : 75mL #34187
Misc Info : 7.0"Hg-5.0psi (Bag Dilution 200x) ERM
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1
Dil Factor: 933.00000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	510369	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	397096			27.04- 127.04	77.81
14.052	14.052 (1.000)	49	1099971			248.96- 348.96	215.52
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2108184	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	326871			0.00- 65.73	15.50
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1402842	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	813560			6.96- 106.96	57.99
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	981407	25.9465	25.946	80.00- 120.00	100.00(a)
15.130	15.130 (1.077)	67	468561			0.94- 100.94	47.74
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	1881247	24.6834	24.683	80.00- 120.00	100.00(a)
18.420	18.420 (1.164)	70	275110			0.00- 61.57	14.62

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1271678			17.69- 117.69	67.60
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	652511	24.9510	24.951	80.00- 120.00	100.00(a)
23.010	23.010 (1.095)	95	820781			77.21- 177.21	125.79
23.010	23.010 (1.095)	176	629471			49.33- 149.33	96.47
20 Vinyl Chloride					CAS #: 75-01-4		
7.001	6.973 (0.498)	62	664041	41.2332	38470	80.00- 120.00	100.00
6.973	6.973 (0.496)	64	206347			0.00- 87.67	31.07
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	65359	9.36990	8742.1	80.00- 120.00	100.00
8.328	8.328 (0.593)	49	28443			0.00- 92.66	43.52
8.328	8.328 (0.593)	66	20070			0.00- 80.63	30.71
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.259 (0.799)	49	34532	0.81270	758.25	80.00- 120.00	100.00
11.259	11.259 (0.801)	84	16915			0.00- 97.13	48.98
11.259	11.259 (0.801)	51	13555			0.00- 79.91	39.26
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	326368	5.91265	5516.5	80.00- 120.00	100.00
12.006	12.033 (0.854)	43	259696			26.89- 126.89	79.57
12.033	12.033 (0.856)	86	36420			0.00- 61.23	11.16
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	246462	4.00069	3732.6	80.00- 120.00	100.00
12.531	12.531 (0.892)	65	75106			0.00- 80.52	30.47
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	375791	7.50968	7006.5	80.00- 120.00	100.00
13.582	13.582 (0.967)	96	213877			8.15- 108.15	56.91
13.582	13.582 (0.967)	98	138425			0.00- 87.39	36.84
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	146516	2.71071	2529.1	80.00- 120.00	100.00
14.466	14.466 (1.030)	99	92628			13.93- 113.93	63.22
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	51110	1.65692	1545.9	80.00- 120.00	100.00
14.466	14.494 (1.030)	56	191629			109.54- 209.54	374.93
14.466	14.494 (1.030)	41	100533			62.78- 162.78	196.70
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	138249	5.40111	5039.2	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
94 Heptane (continued)							
15.379	15.379 (0.972)	43	398609			223.93- 323.93	288.33
15.379	15.379 (0.972)	57	183039			70.43- 170.43	132.40
114 Toluene					CAS #: 108-88-3		
18.531	18.558 (1.171)	91	11822435	131.584	122770	80.00- 120.00	100.00
18.531	18.531 (1.171)	92	7274812			10.48- 110.48	61.53
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	127255	4.07455	3801.6	80.00- 120.00	100.00
21.157	21.157 (1.007)	91	410099			273.41- 373.41	322.26
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	553084	14.9269	13927	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	1105743			150.37- 250.37	199.92
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	123816	3.72185	3472.5	80.00- 120.00	100.00
22.070	22.070 (1.050)	91	275878			163.19- 263.19	222.81
145 4-Ethyltoluene					CAS #: 622-96-8		
23.480	23.508 (1.117)	105	48388	0.55805	520.66	80.00- 120.00	100.00
23.480	23.508 (1.117)	120	16102			0.00- 79.69	33.28

QC Flag Legend

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

Report Date: 14-Dec-2006 12:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121310.d
Lab Smp Id: 0612086-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 7.0"Hg-5.0psi (Bag Dilution 200x) ERM

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	510369	-6.71
97 1,4-Difluorobenze	2273564	1364138	3182990	2108184	-7.27
126 Chlorobenzene-d5	1579200	947520	2210880	1402842	-11.17

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 14-Dec-2006 12:25

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 13Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0612086-01A
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 7.0"Hg-5.0psi (Bag Dilution 200x) ERM

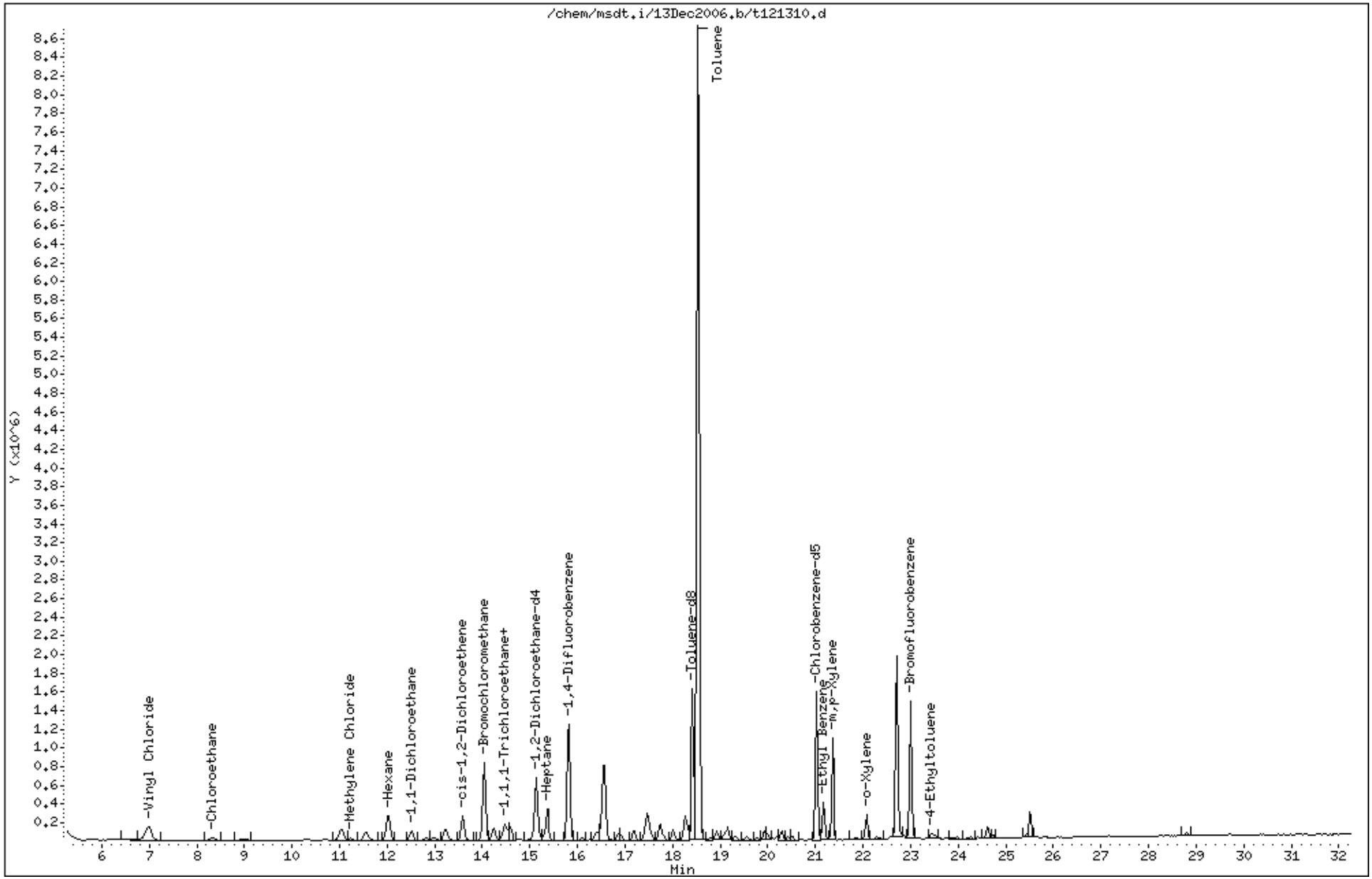
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.946	103.79	70-130
$ 113 Toluene-d8	25.000	24.683	98.73	70-130
$ 137 Bromofluorobenzene	25.000	24.951	99.80	70-130

0014

Data File: /chem/msdt.i/13Dec2006.b/t121310.d
Date : 13-DEC-2006 15:41
Client ID:
Sample Info: 75mL #34187

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

Column phase: RTx-624



Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

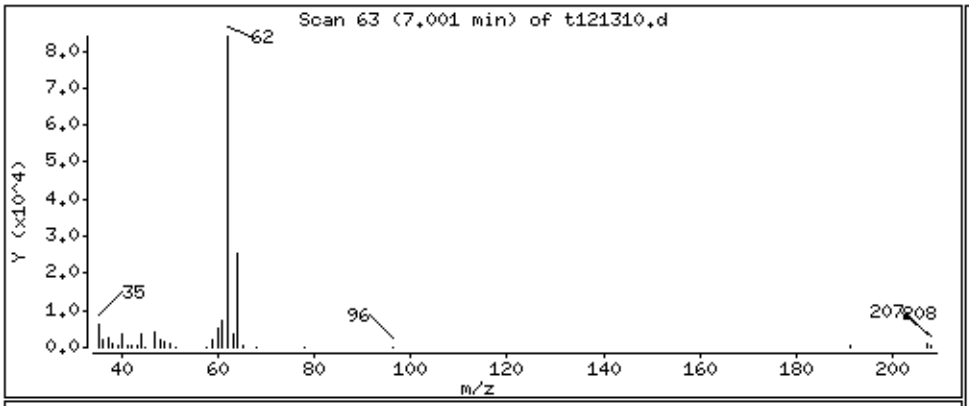
Operator: sjr

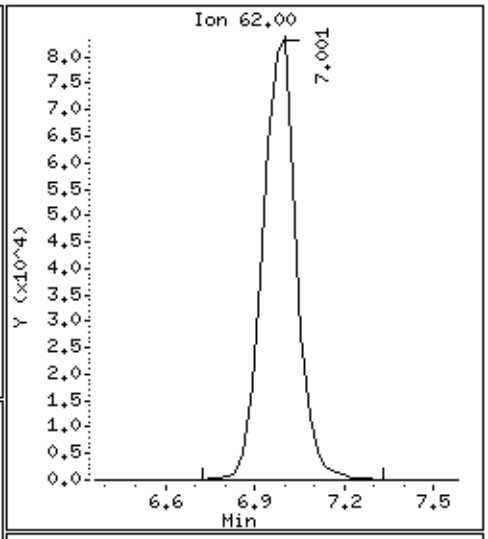
Column phase: RTx-624

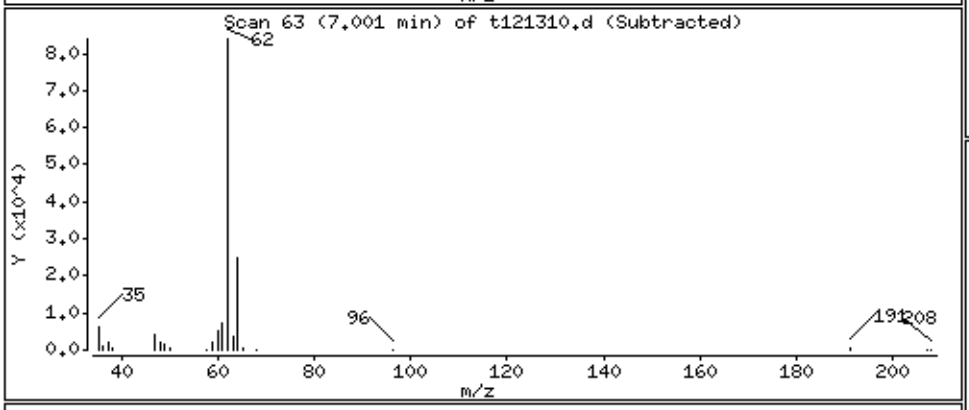
Column diameter: 0.53

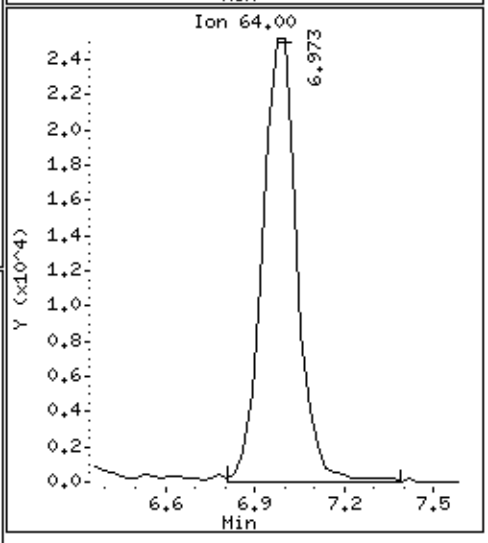
20 Vinyl Chloride

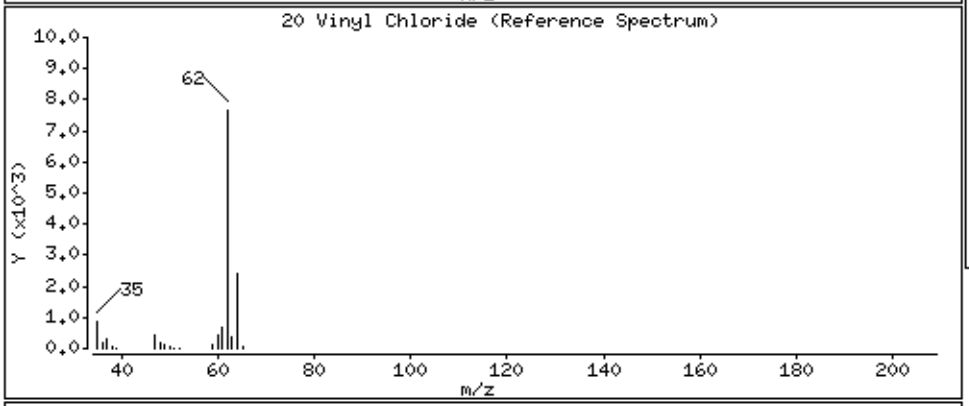
Concentration: 38470 PPBV

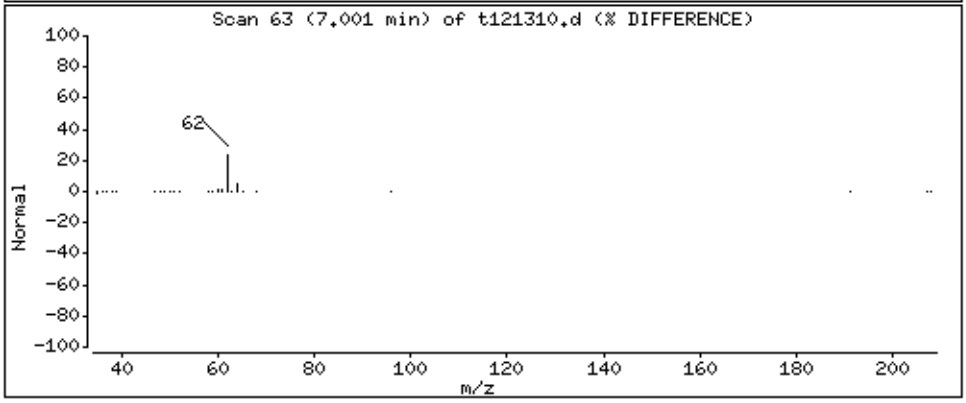












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

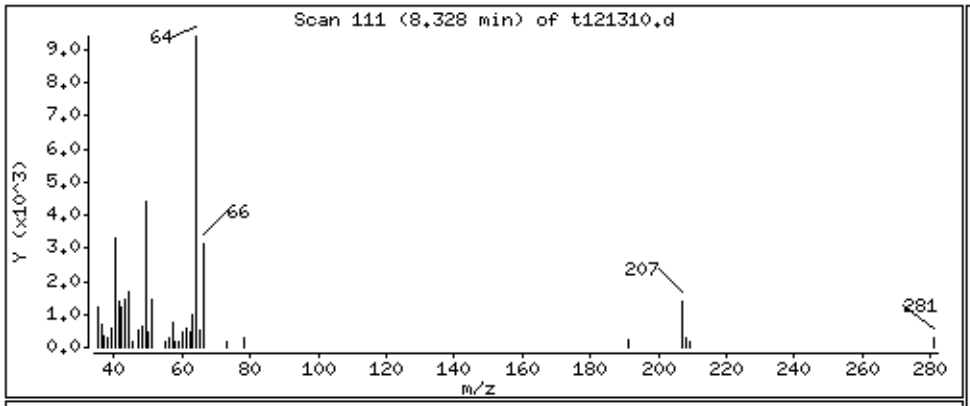
Operator: sjr

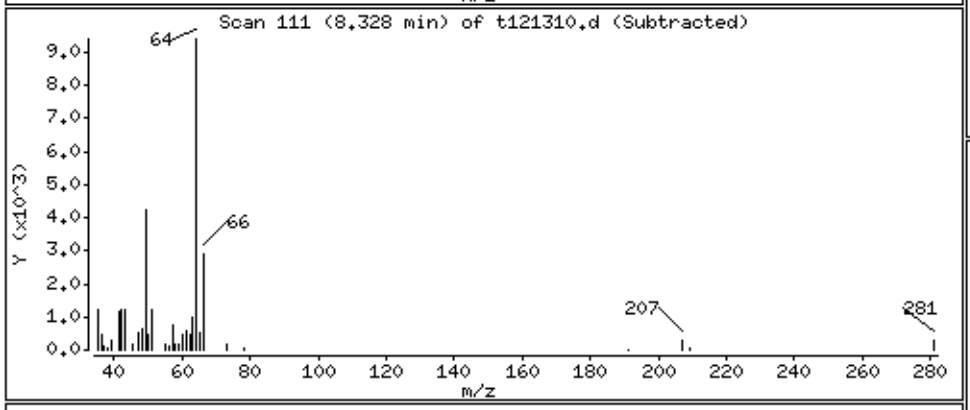
Column phase: RTx-624

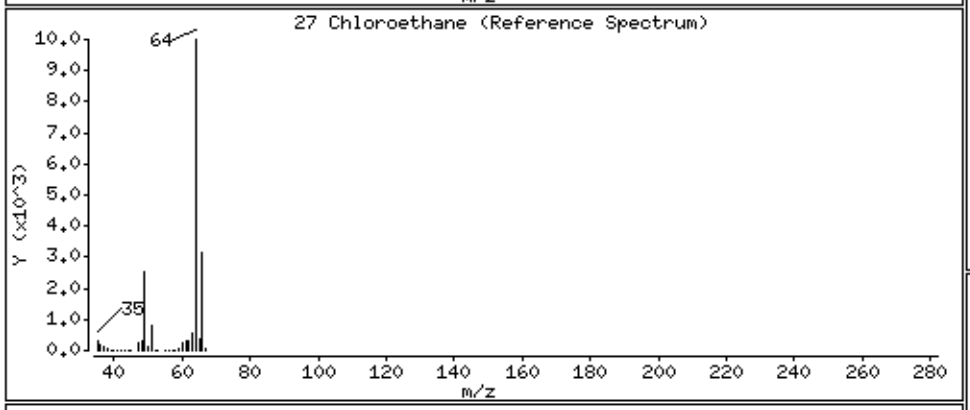
Column diameter: 0.53

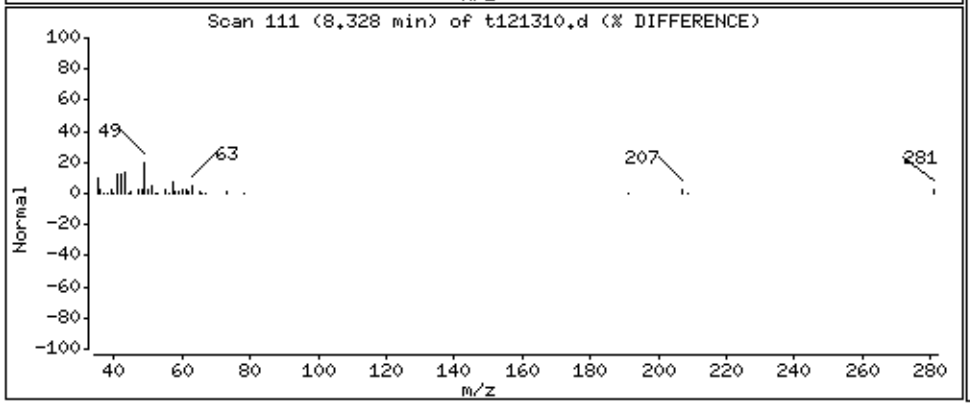
27 Chloroethane

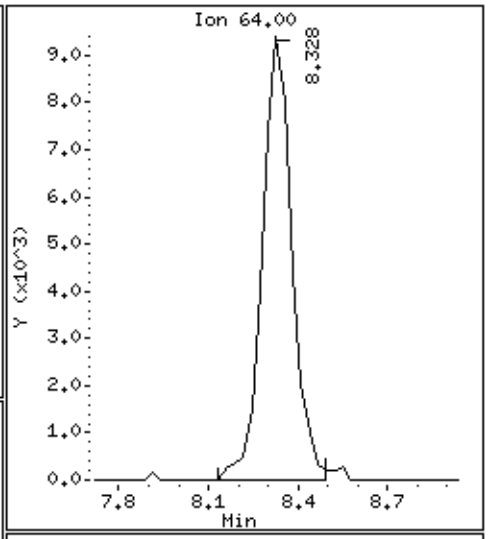
Concentration: 8742.1 PPBV

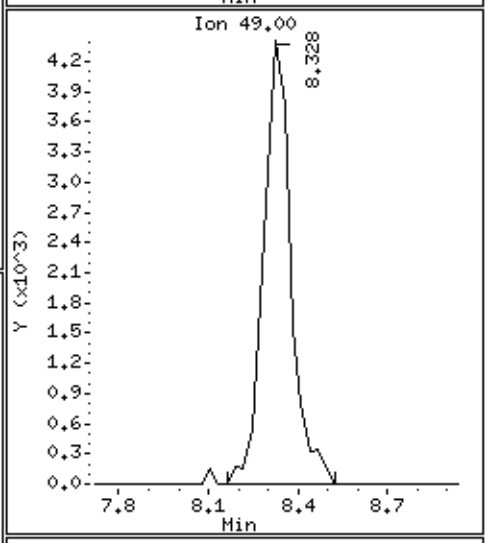


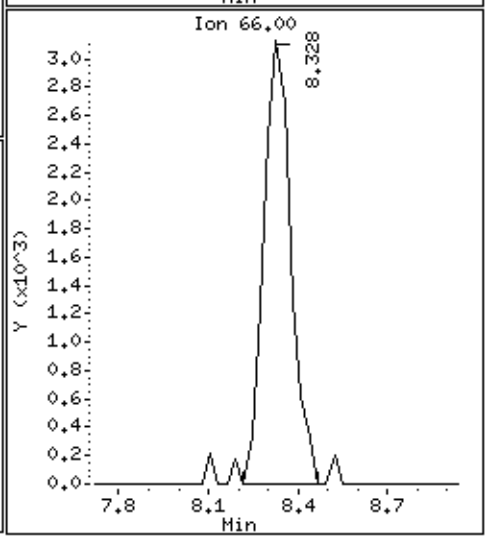












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

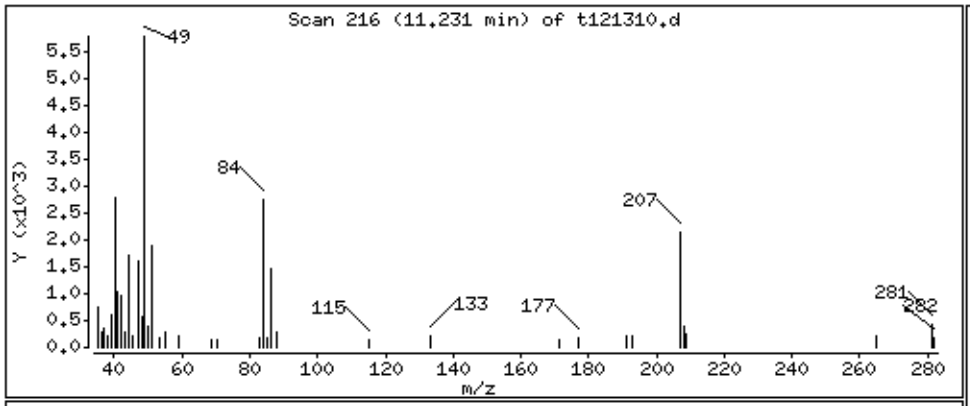
Operator: sjr

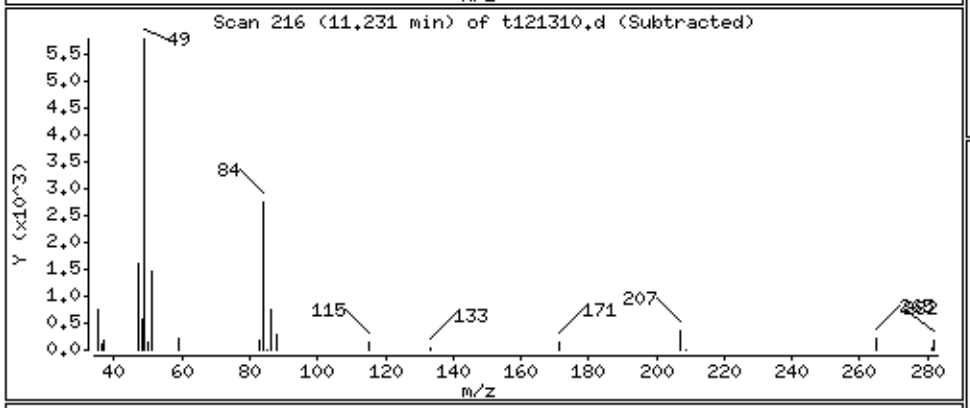
Column phase: RTx-624

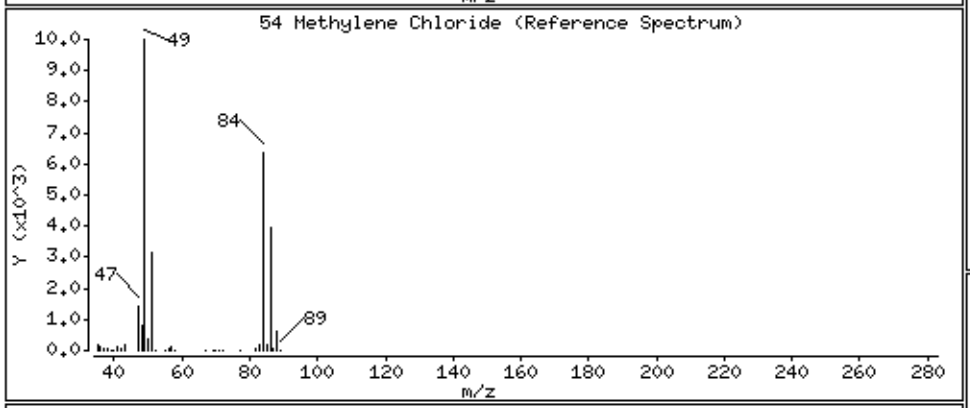
Column diameter: 0.53

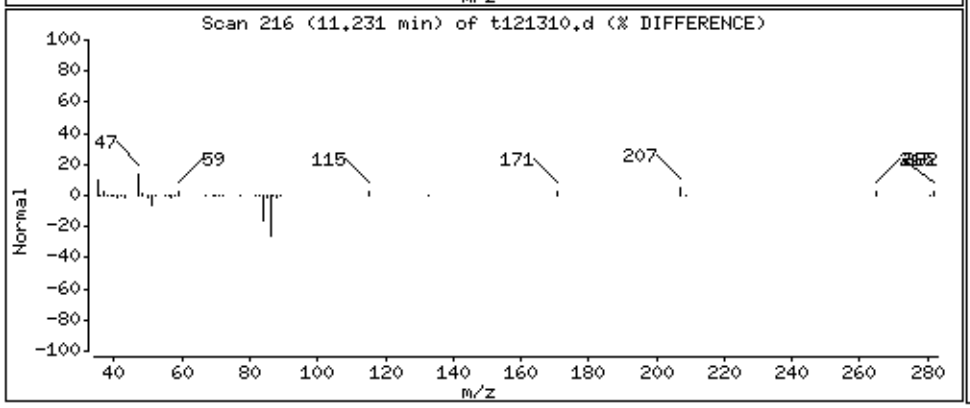
54 Methylene Chloride

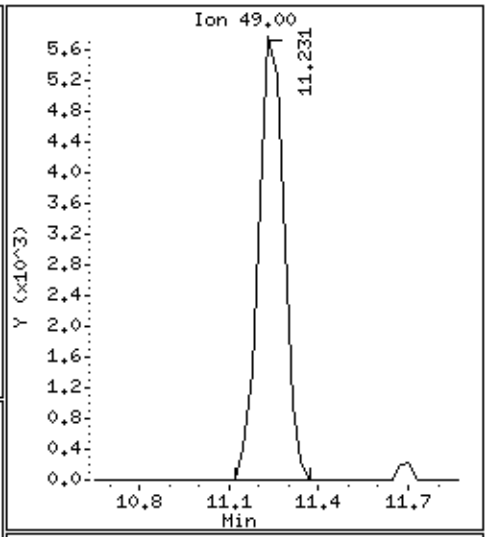
Concentration: 758.25 PPBV

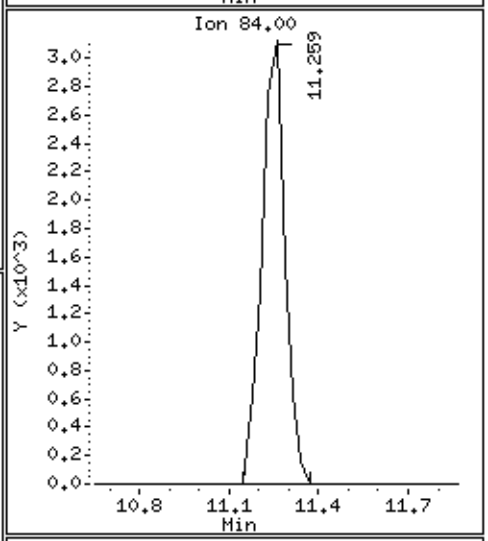


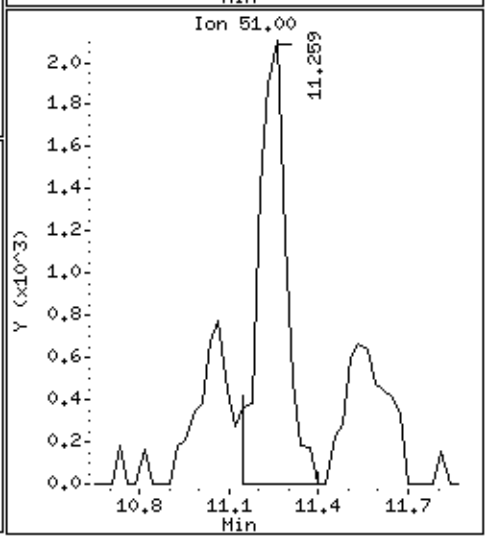












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

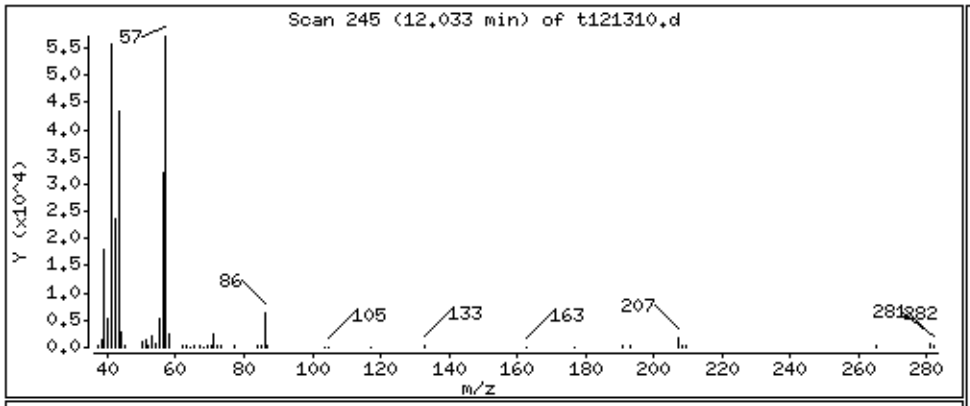
Operator: sjr

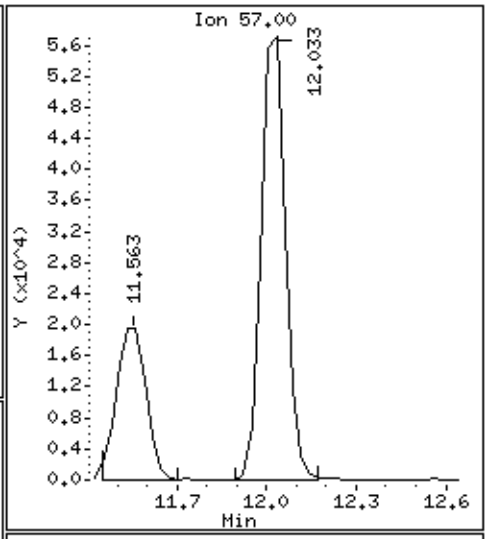
Column phase: RTx-624

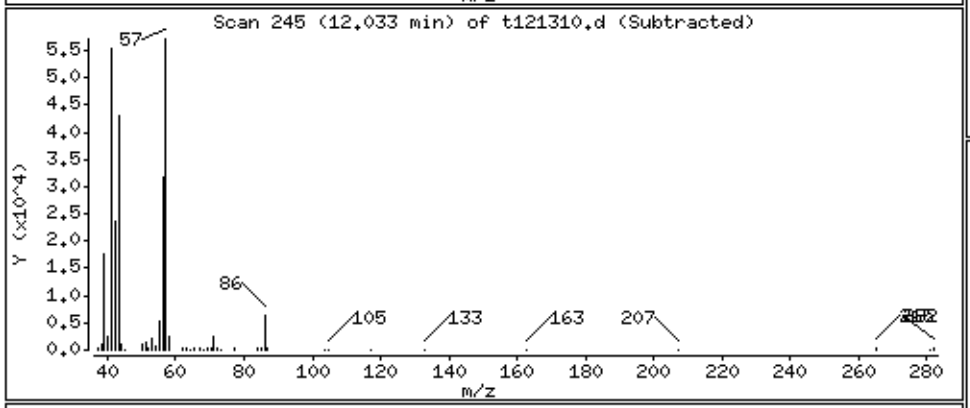
Column diameter: 0.53

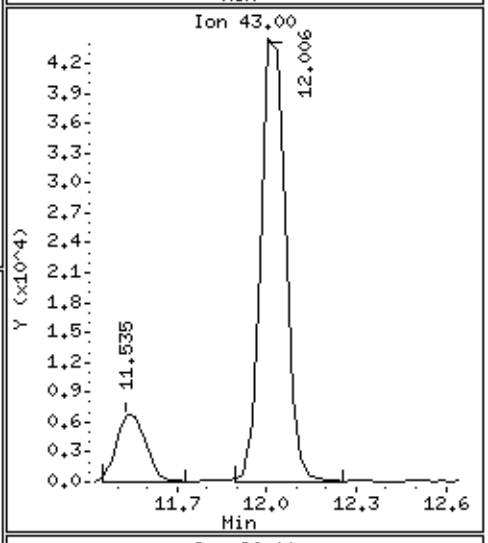
65 Hexane

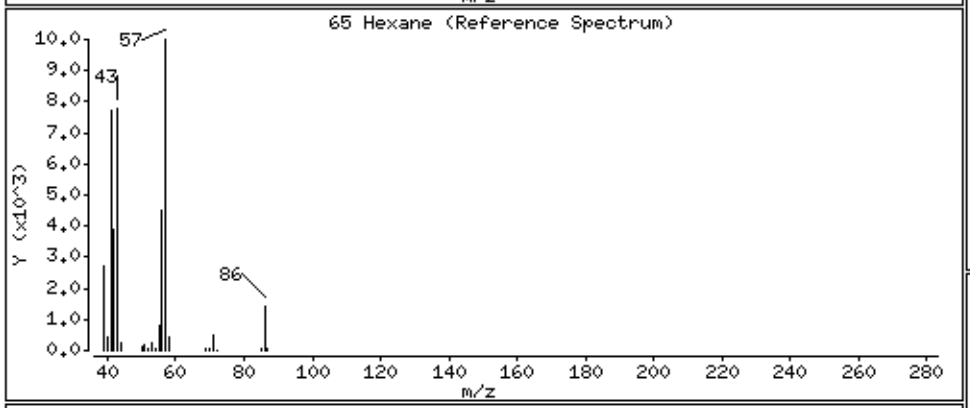
Concentration: 5516.5 PPBV

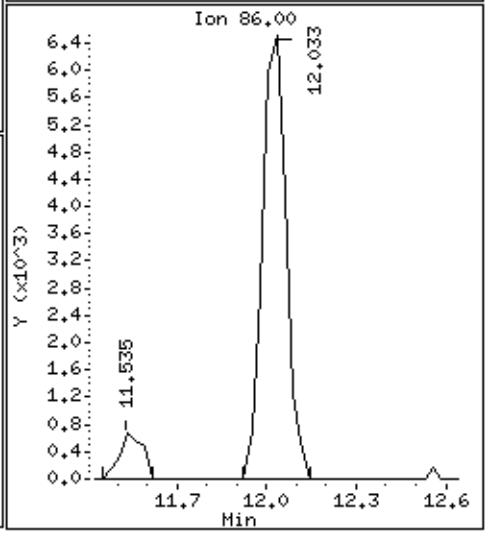


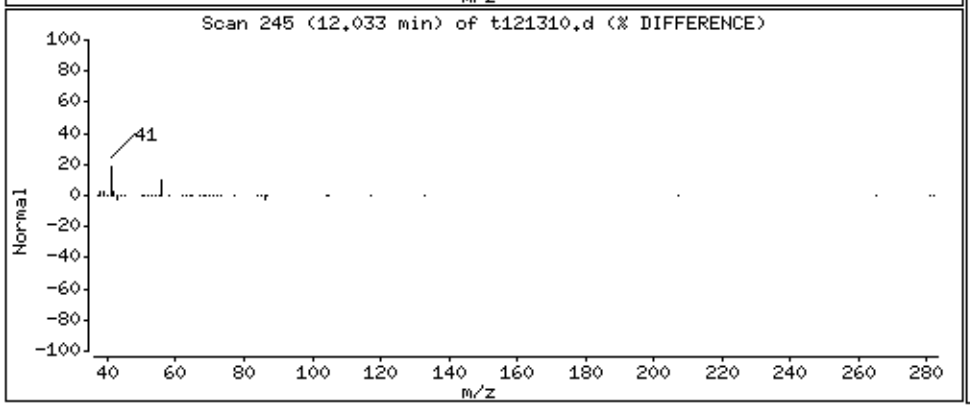












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

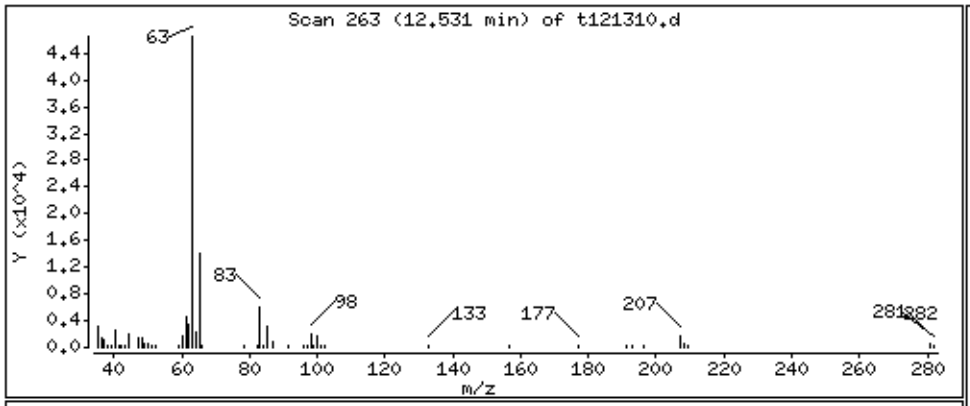
Operator: sjr

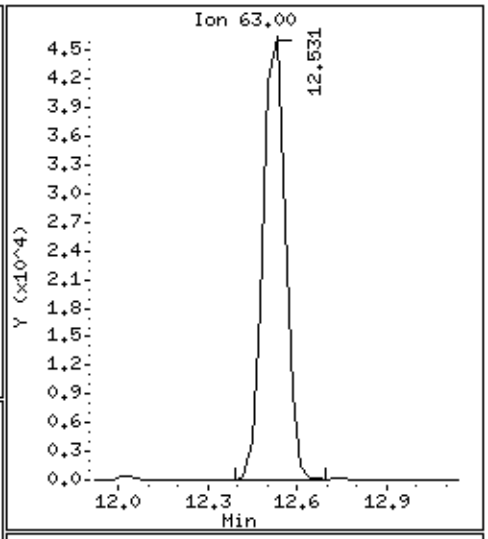
Column phase: RTx-624

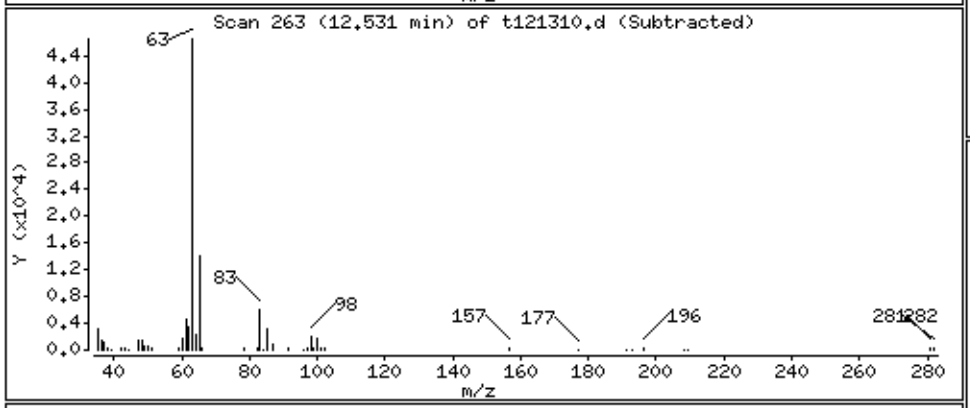
Column diameter: 0.53

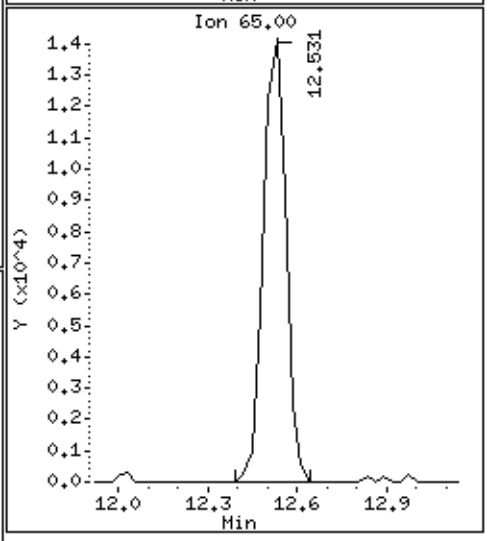
70 1,1-Dichloroethane

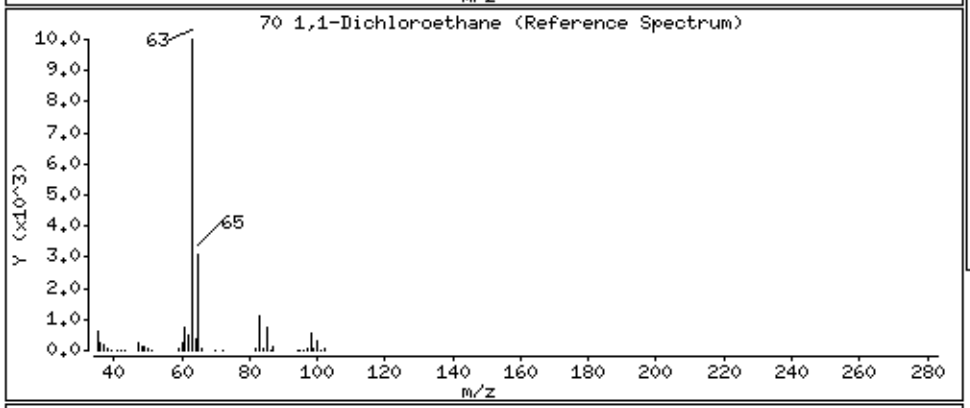
Concentration: 3732.6 PPBV

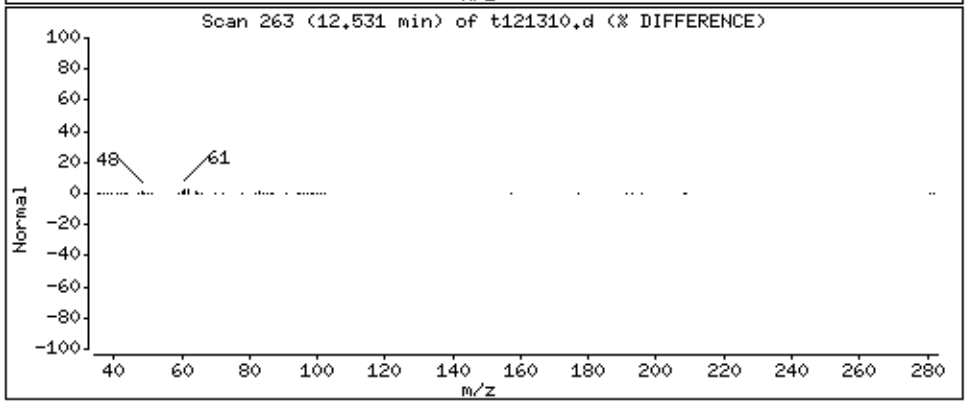












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

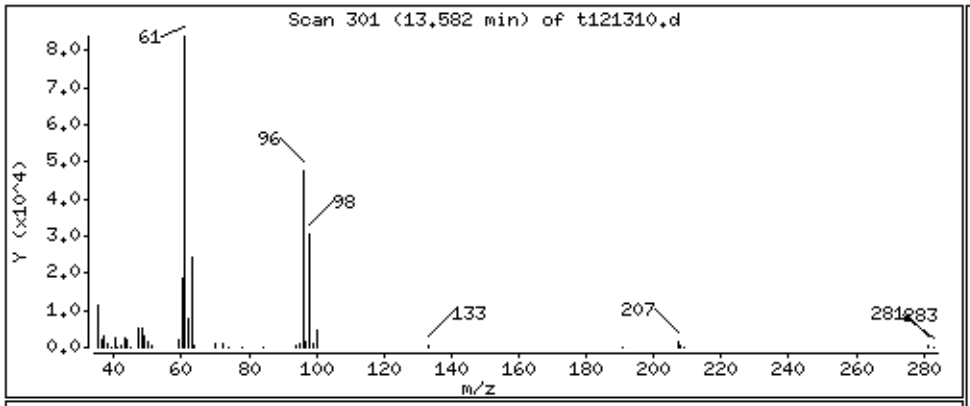
Operator: sjr

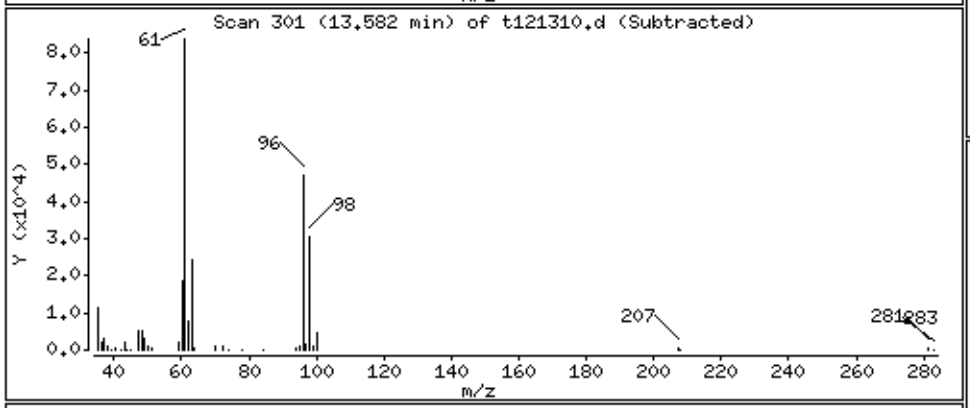
Column phase: RTx-624

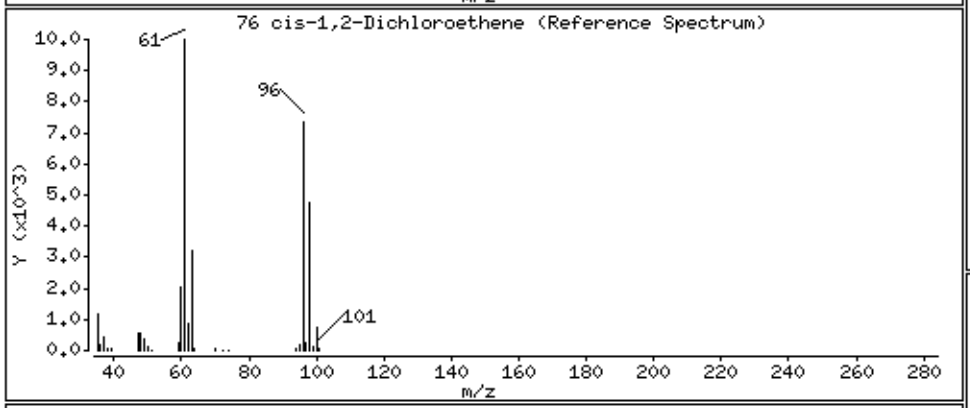
Column diameter: 0.53

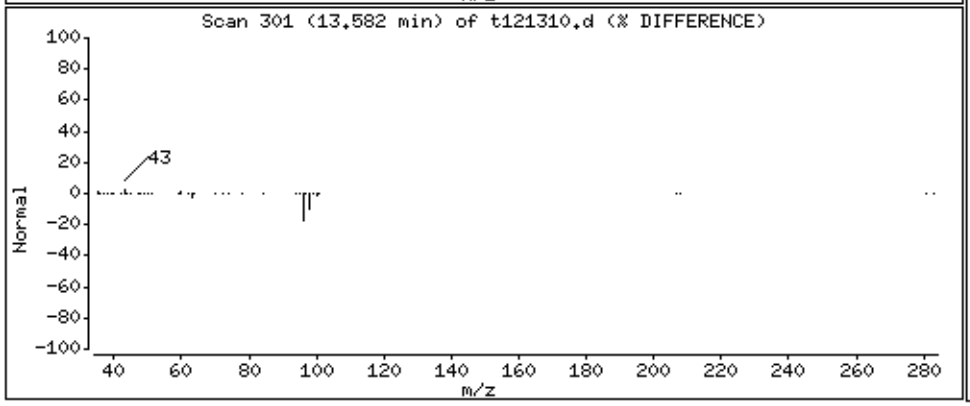
76 cis-1,2-Dichloroethene

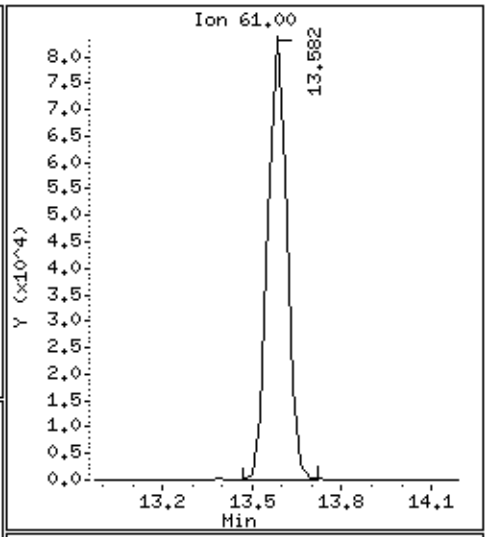
Concentration: 7006.5 PPBV

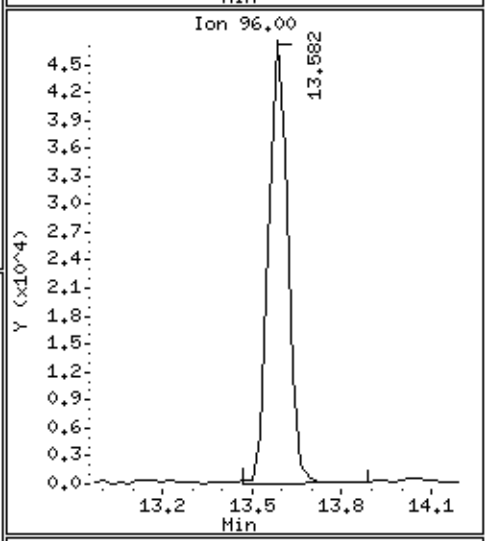


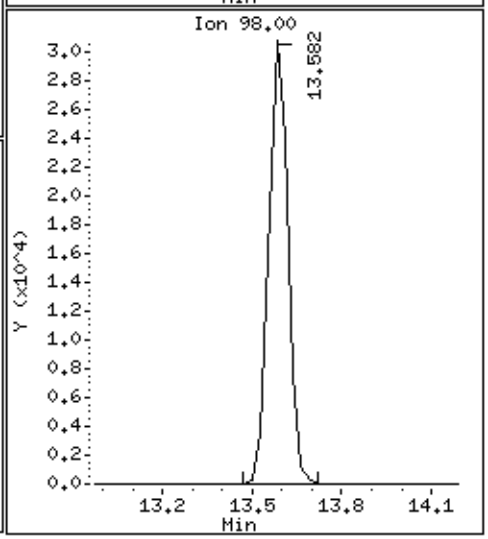












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

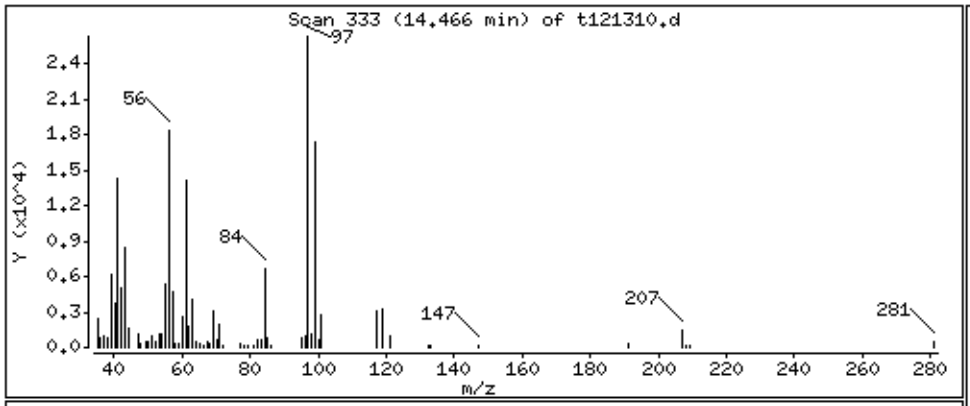
Operator: sjr

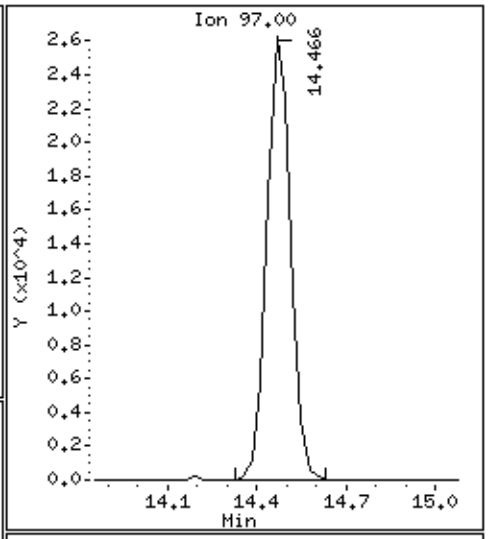
Column phase: RTx-624

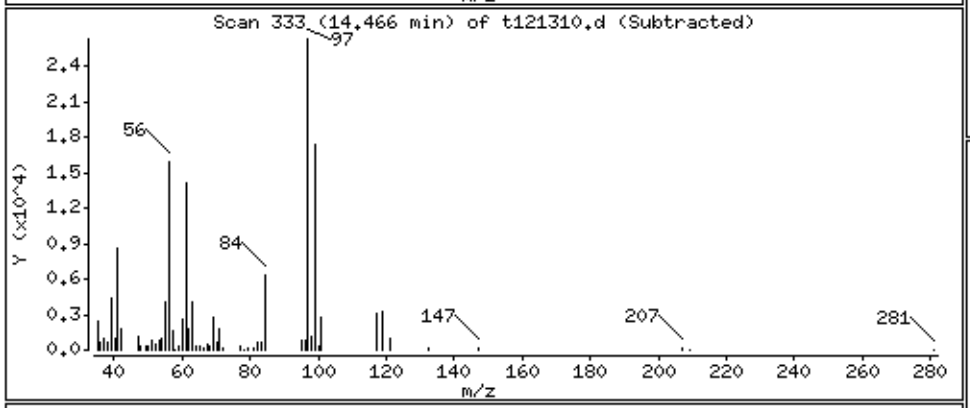
Column diameter: 0.53

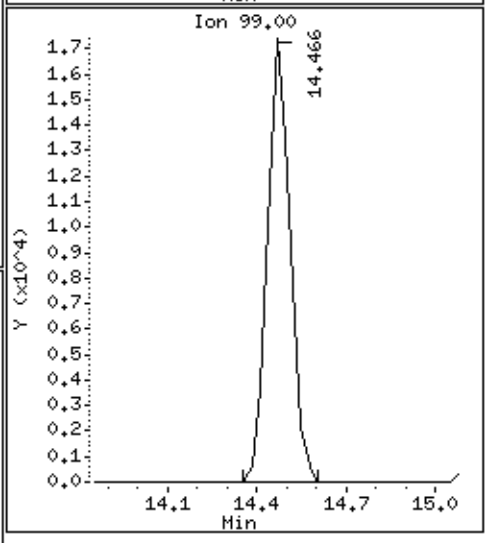
83 1,1,1-Trichloroethane

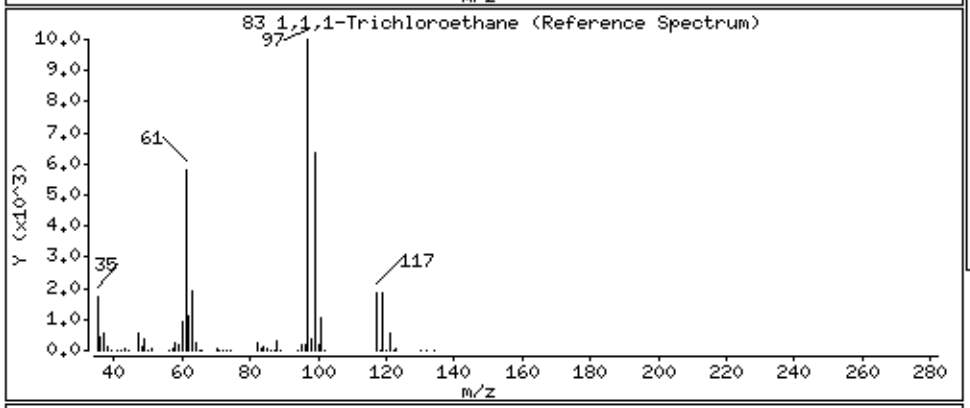
Concentration: 2529.1 PPBV

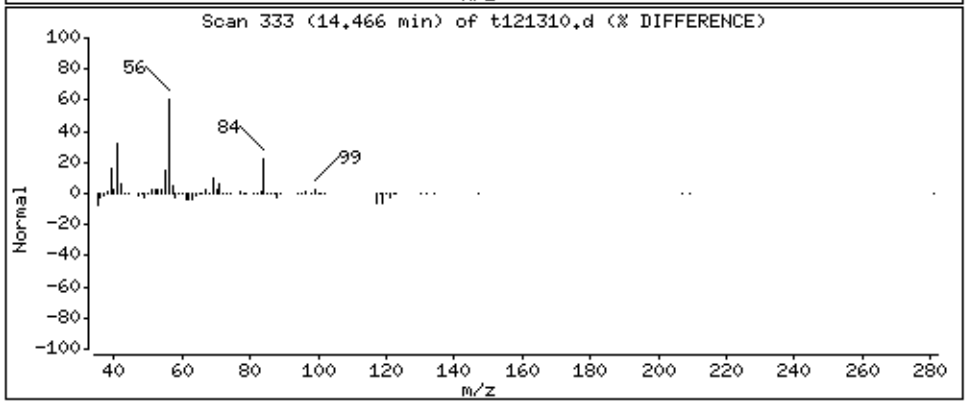












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

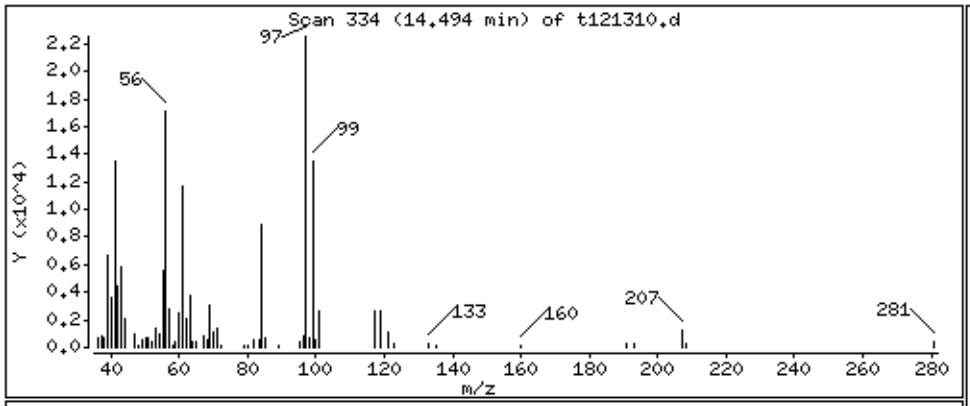
Operator: sjr

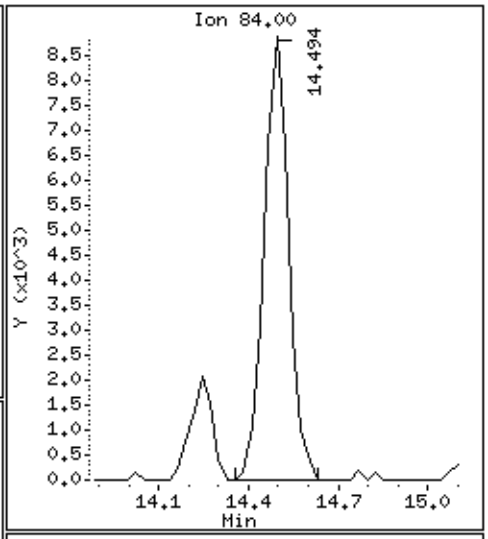
Column phase: RTx-624

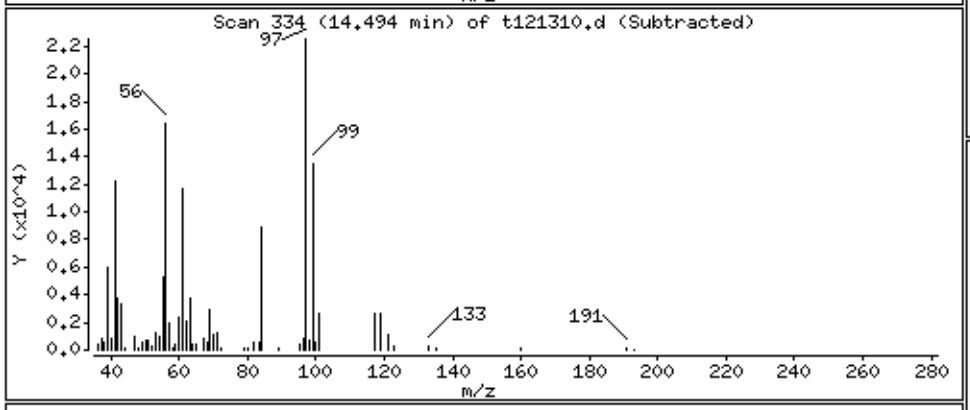
Column diameter: 0.53

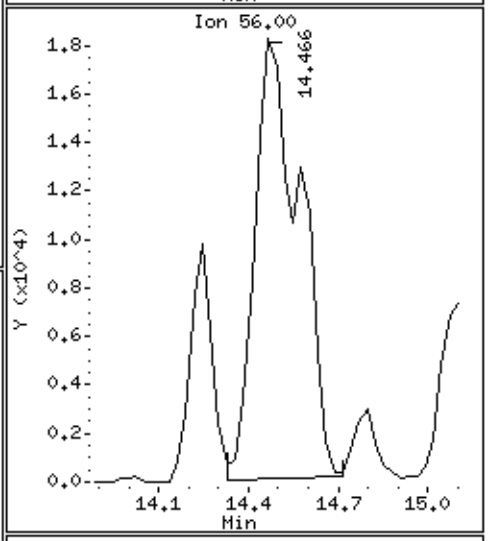
85 Cyclohexane

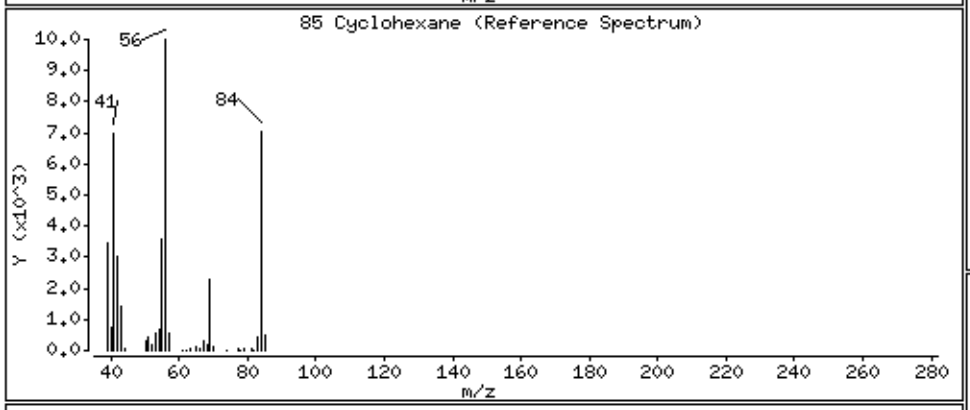
Concentration: 1545.9 PPBV

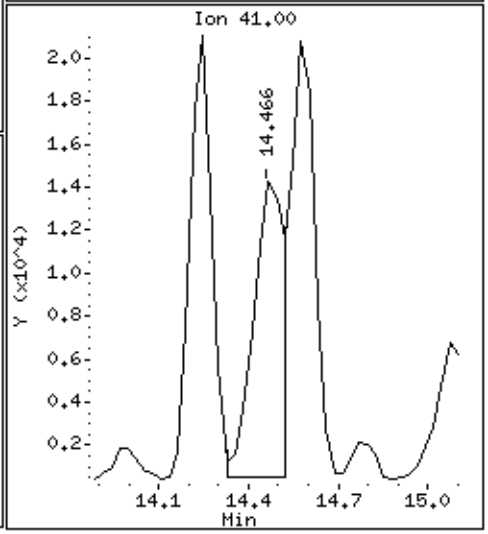


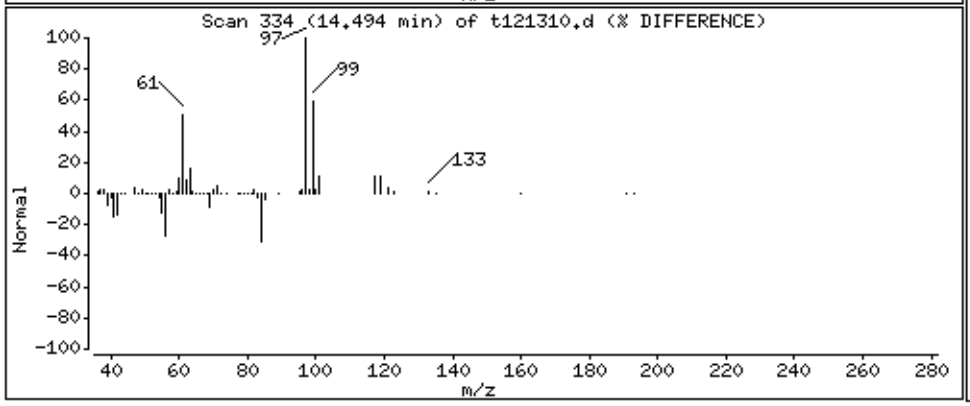












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

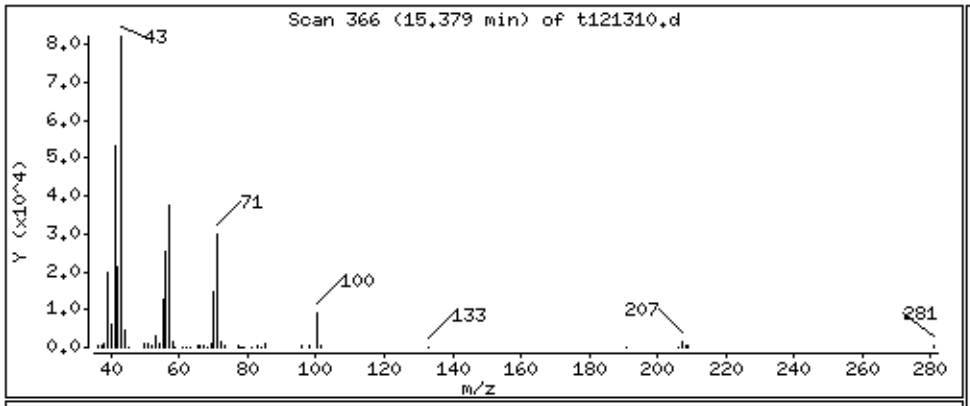
Operator: sjr

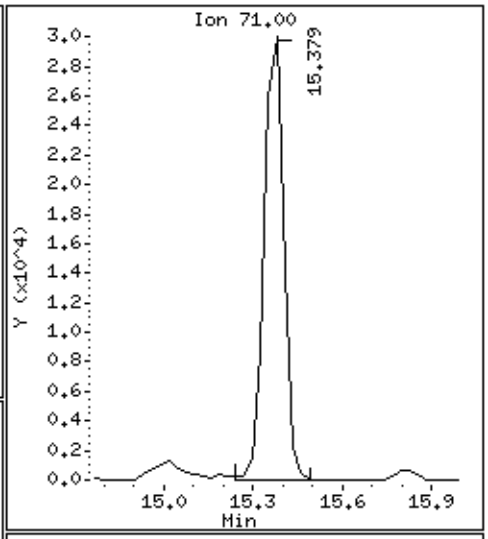
Column phase: RTx-624

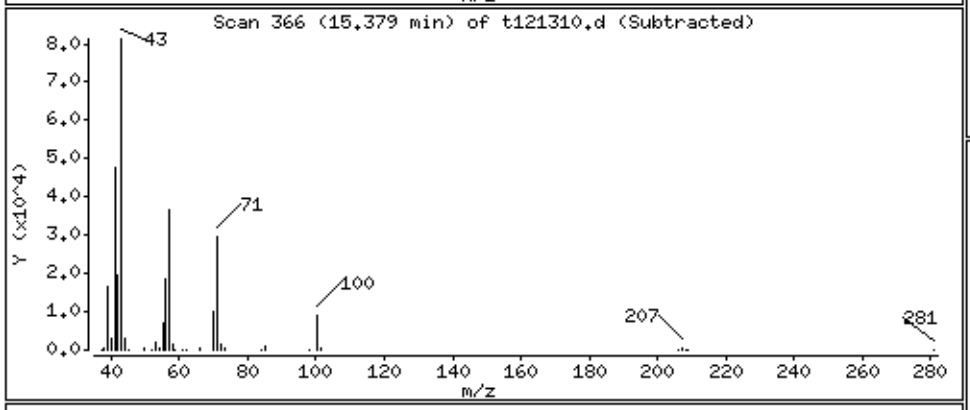
Column diameter: 0.53

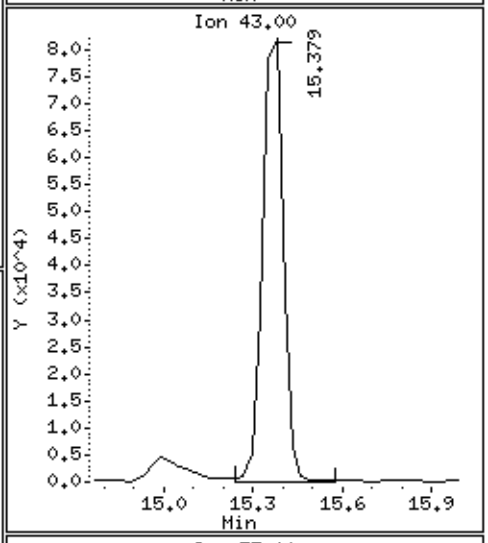
94 Heptane

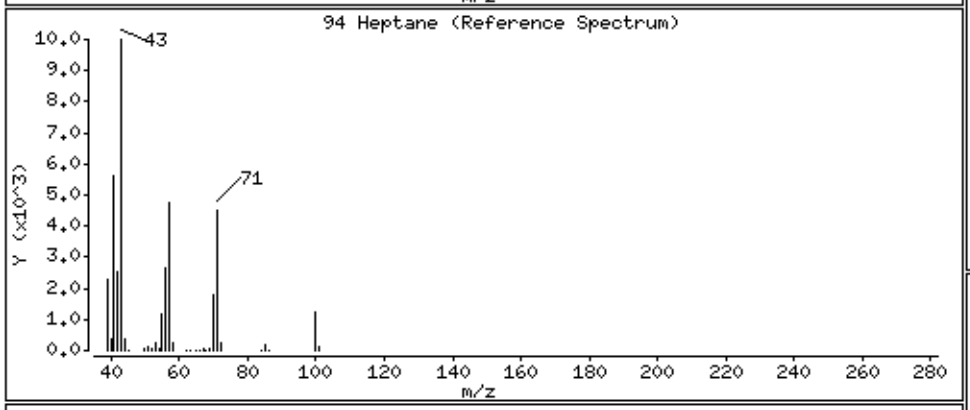
Concentration: 5039.2 PPBV

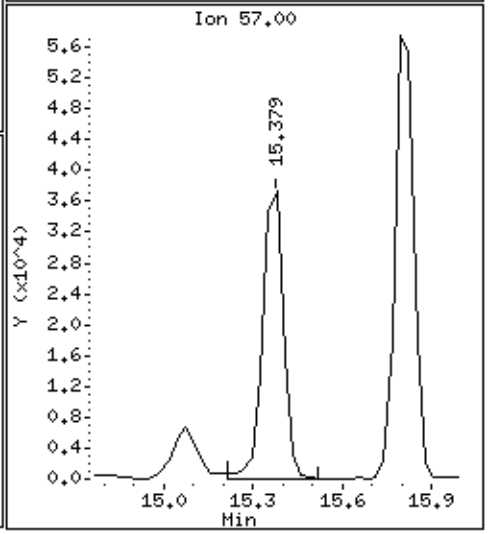


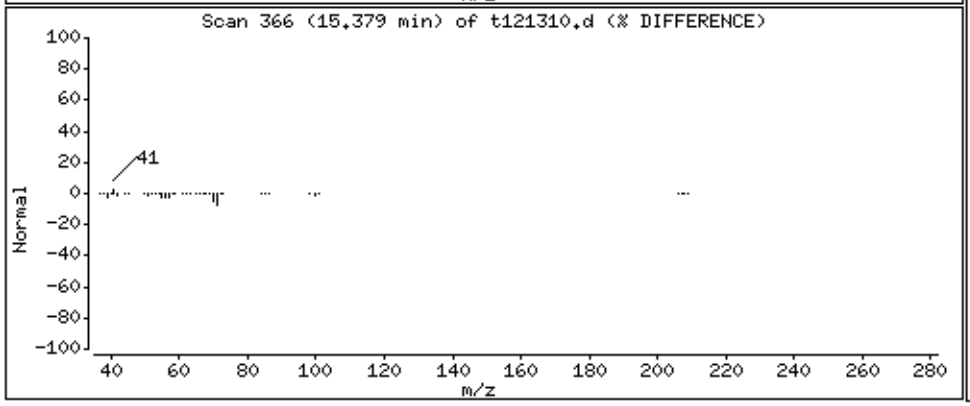












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

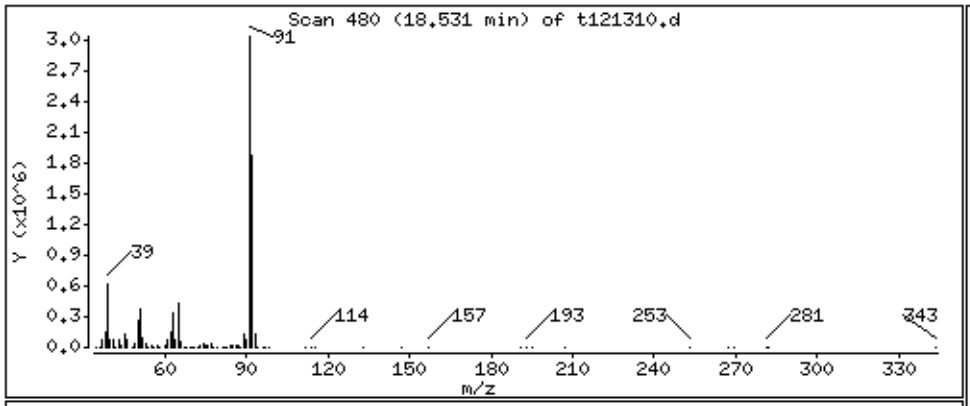
Operator: sjr

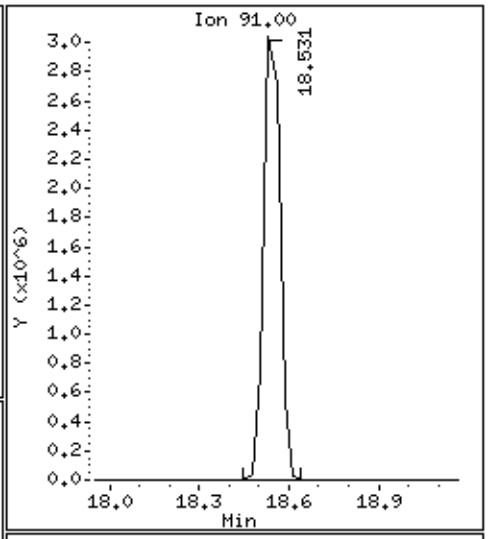
Column phase: RTx-624

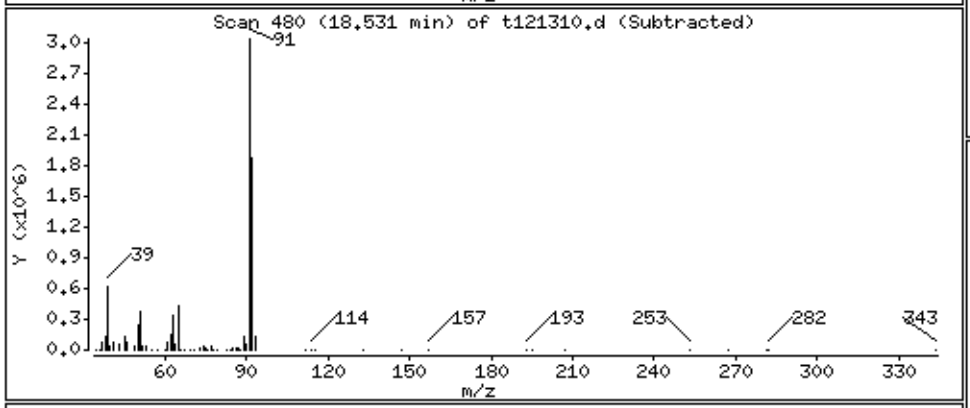
Column diameter: 0.53

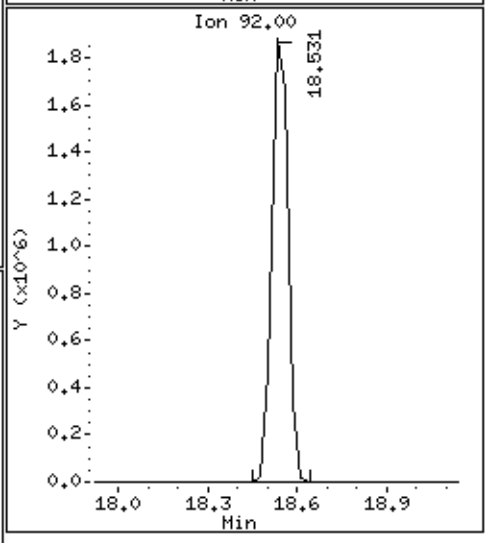
114 Toluene

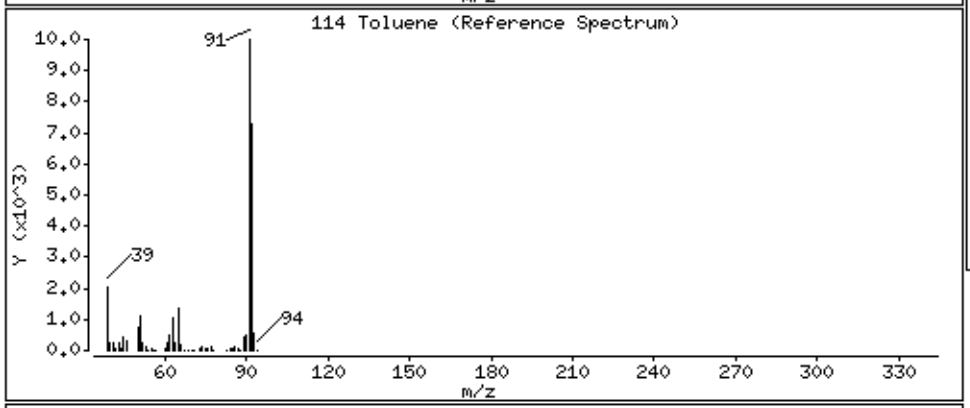
Concentration: 122770 PPBV

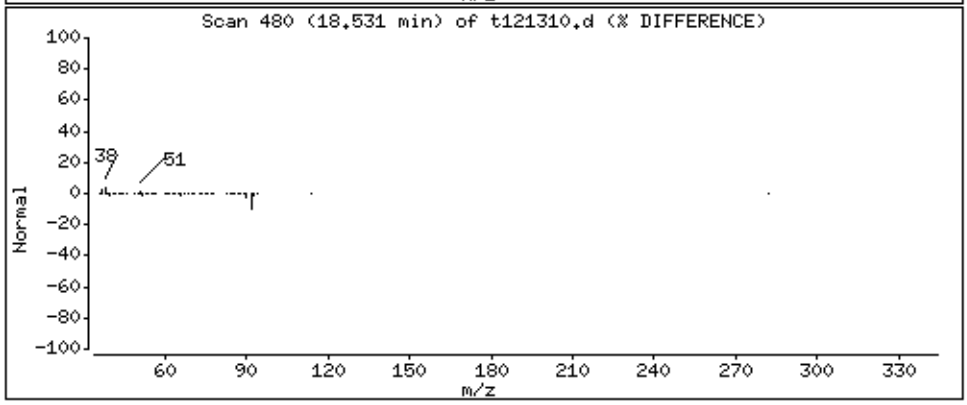












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

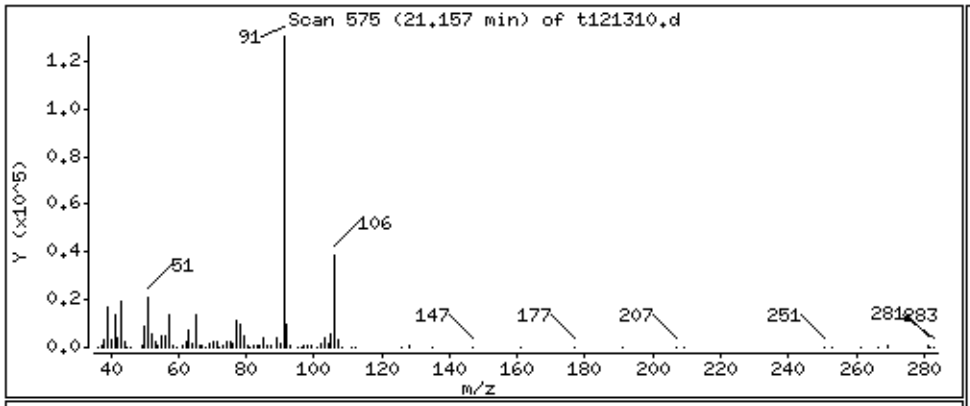
Operator: sjr

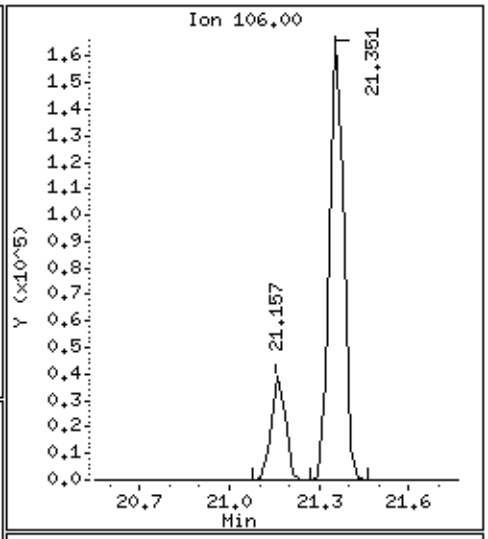
Column phase: RTx-624

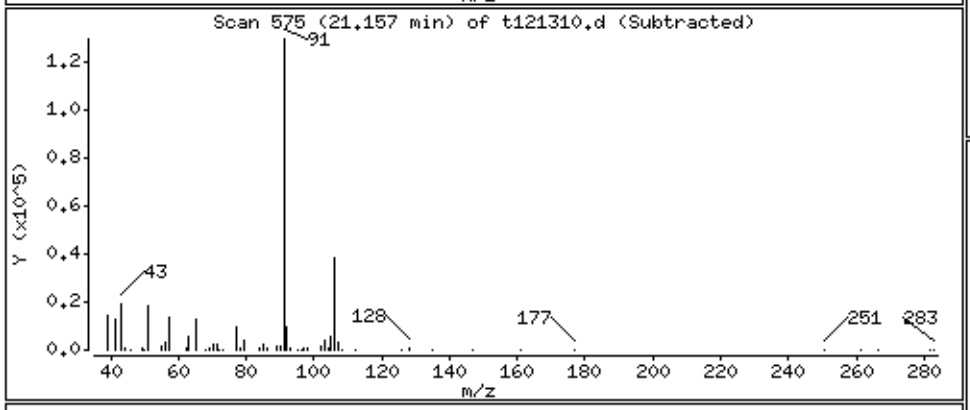
Column diameter: 0.53

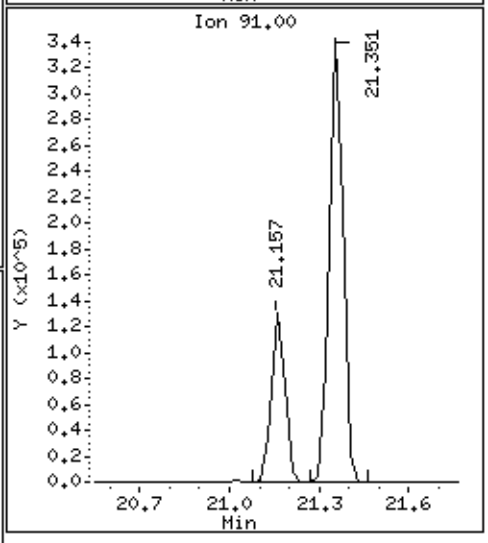
128 Ethyl Benzene

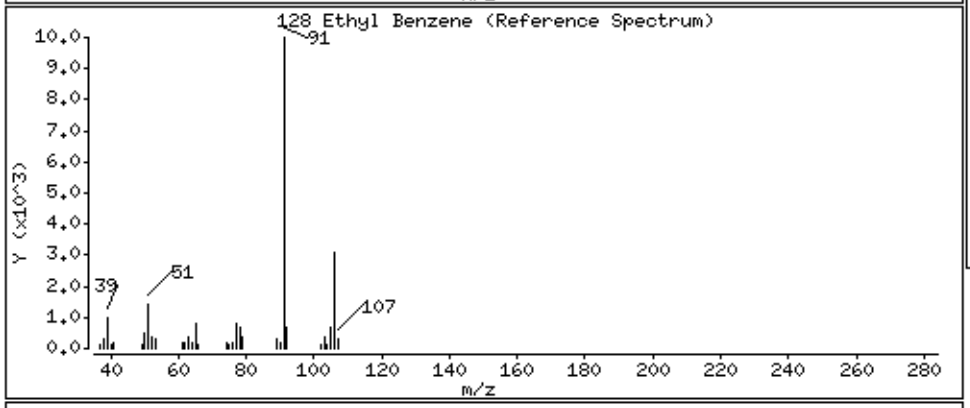
Concentration: 3801.6 PPBV

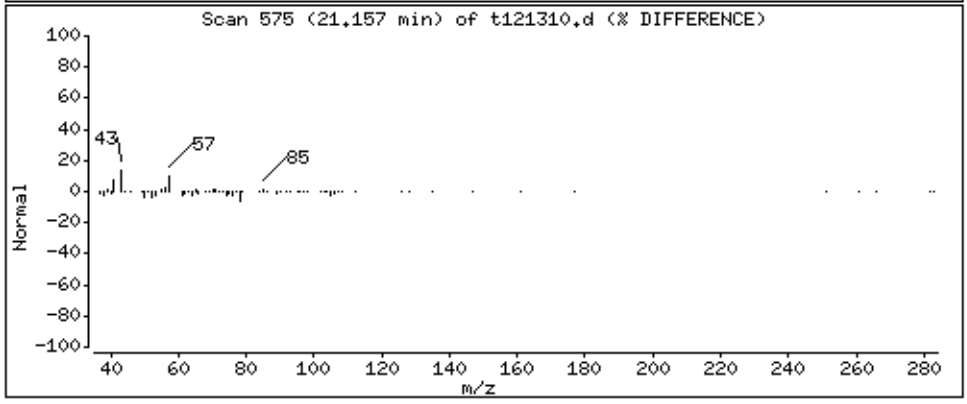












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

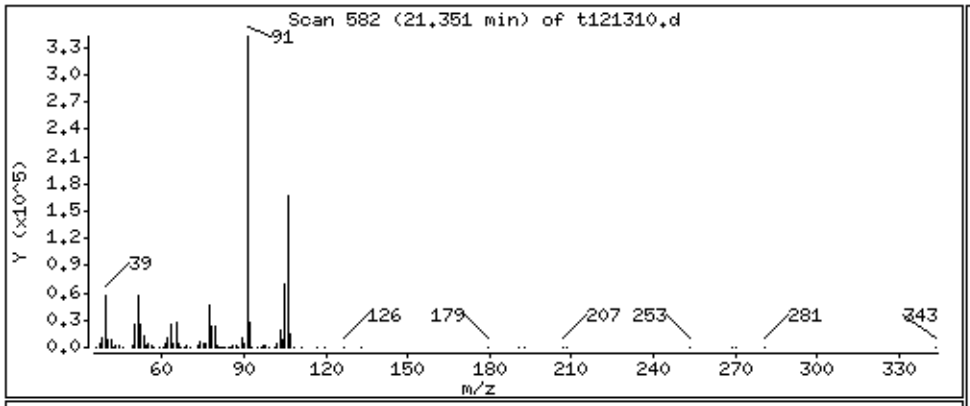
Operator: sjr

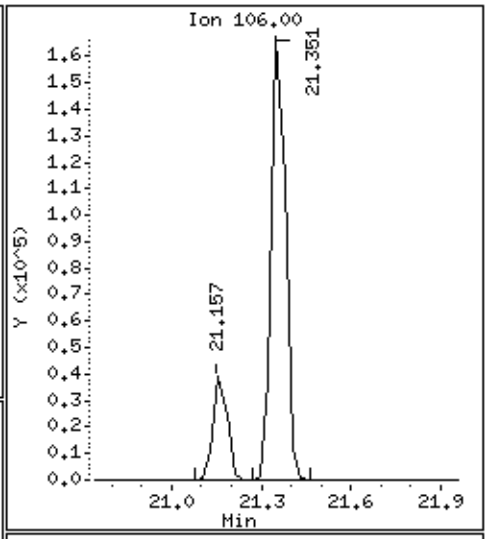
Column phase: RTx-624

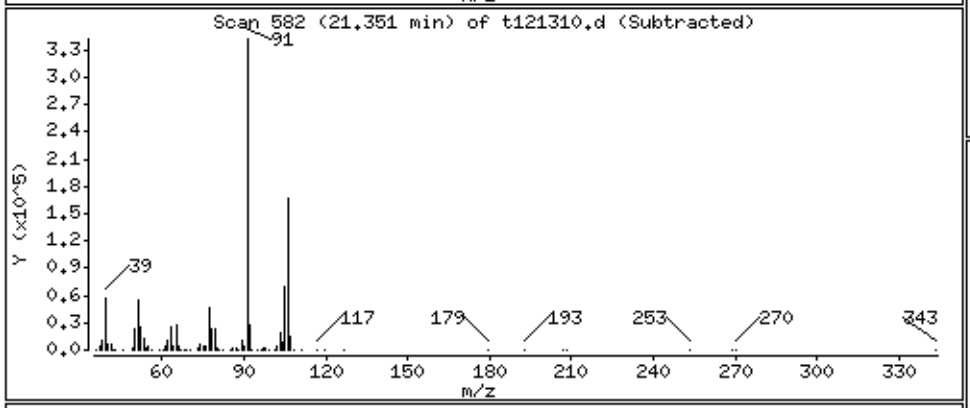
Column diameter: 0.53

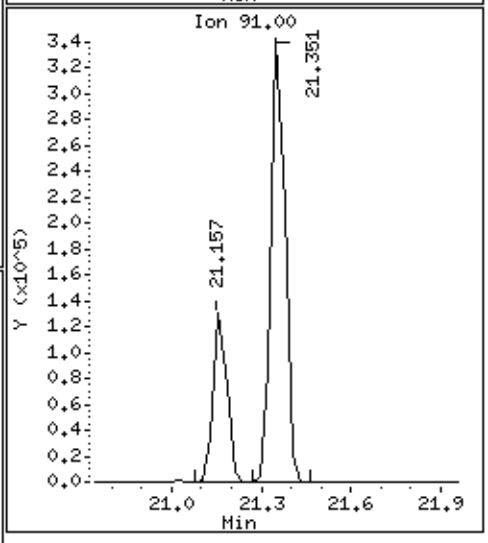
129 m,p-Xylene

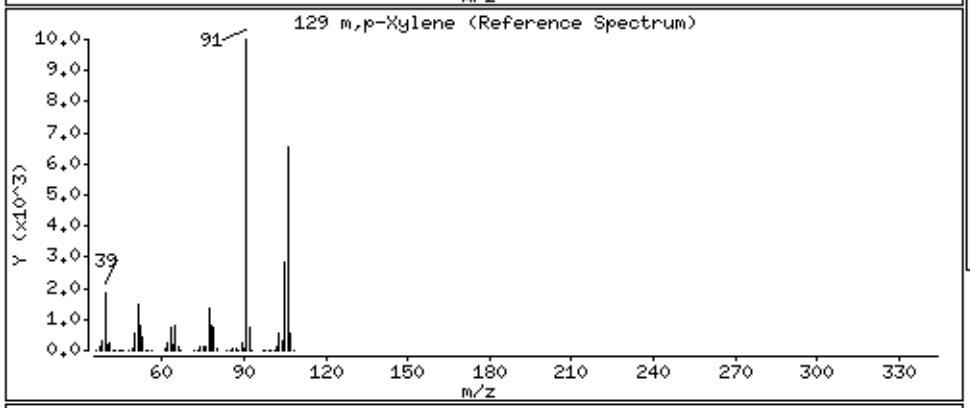
Concentration: 13927 PPBV

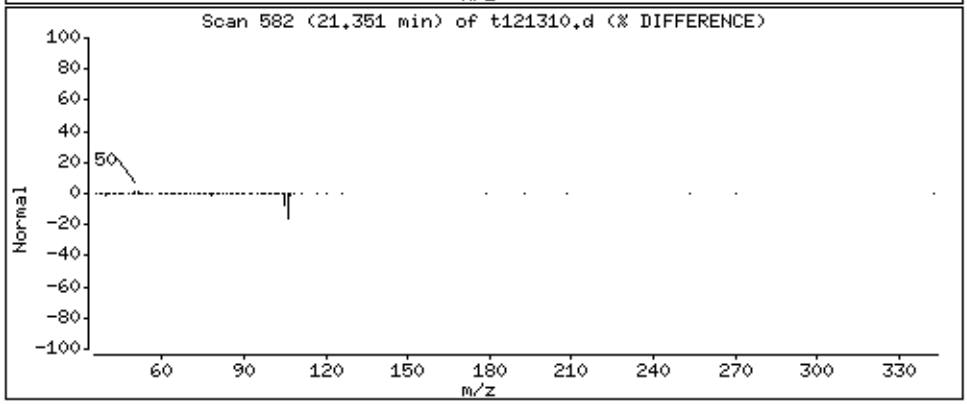












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

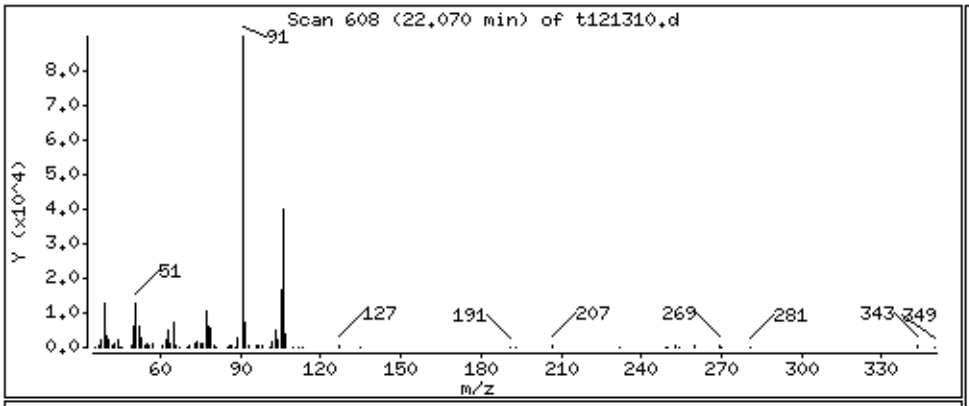
Operator: sjr

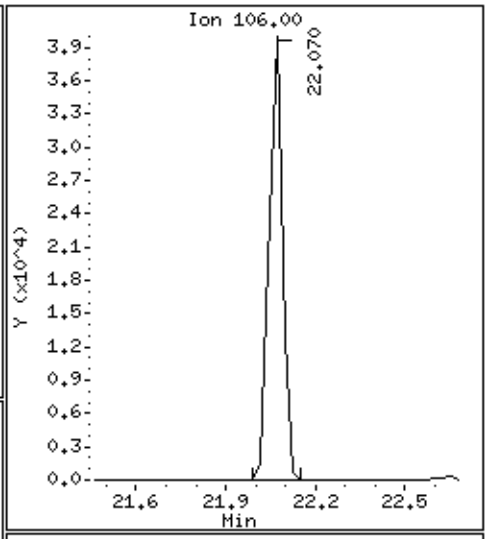
Column phase: RTx-624

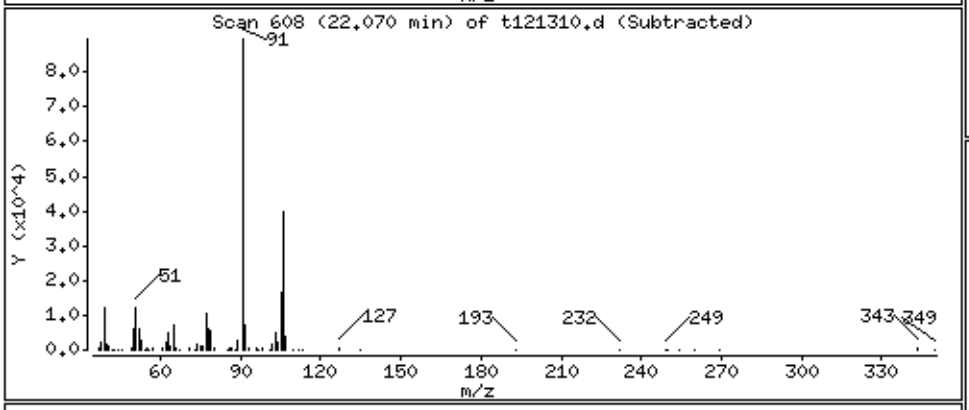
Column diameter: 0.53

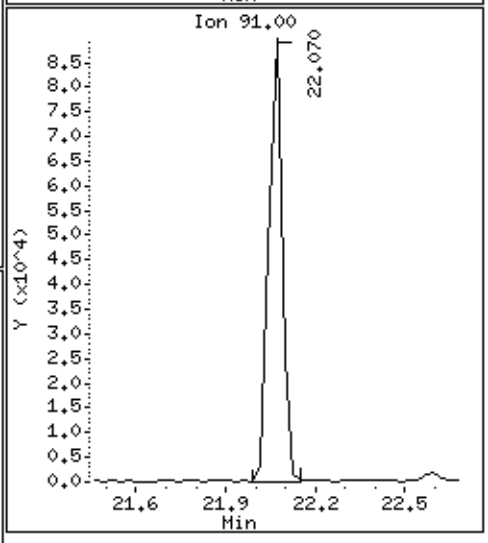
130 o-Xylene

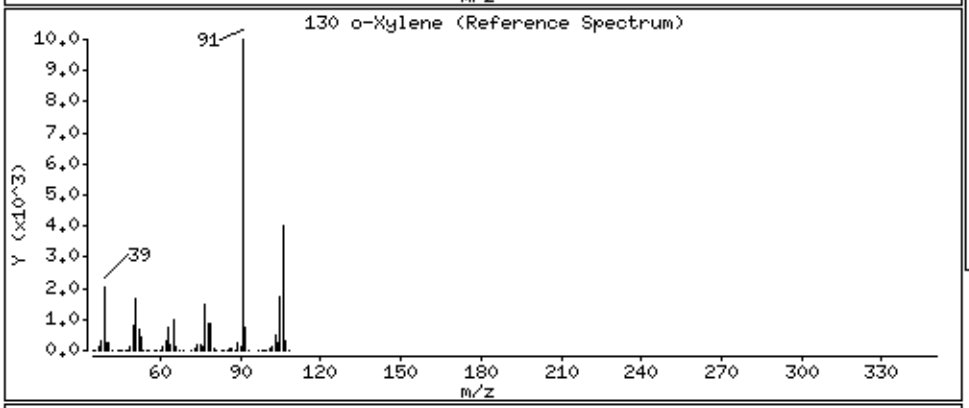
Concentration: 3472.5 PPBV

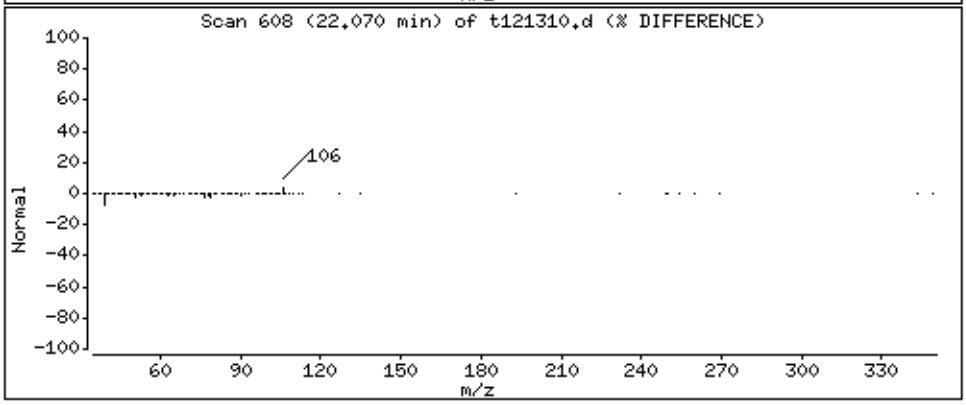












Data File: /chem/msdt.i/13Dec2006.b/t121310.d

Date : 13-DEC-2006 15:41

Client ID:

Instrument: msdt.i

Sample Info: 75mL #34187

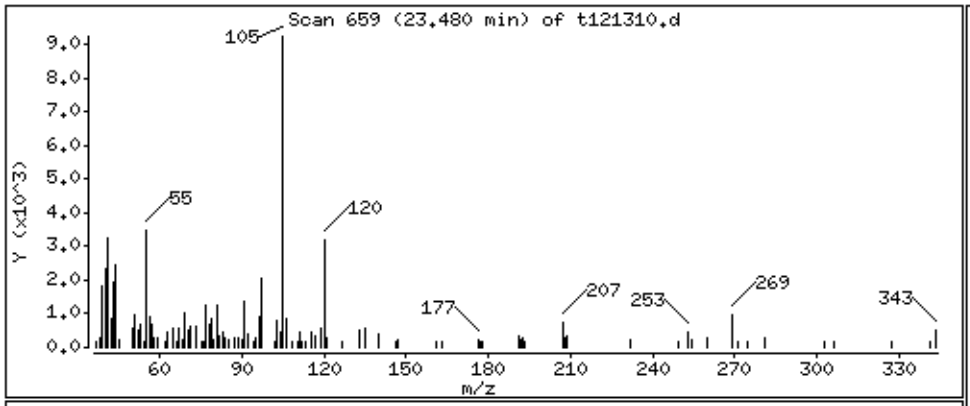
Operator: sjr

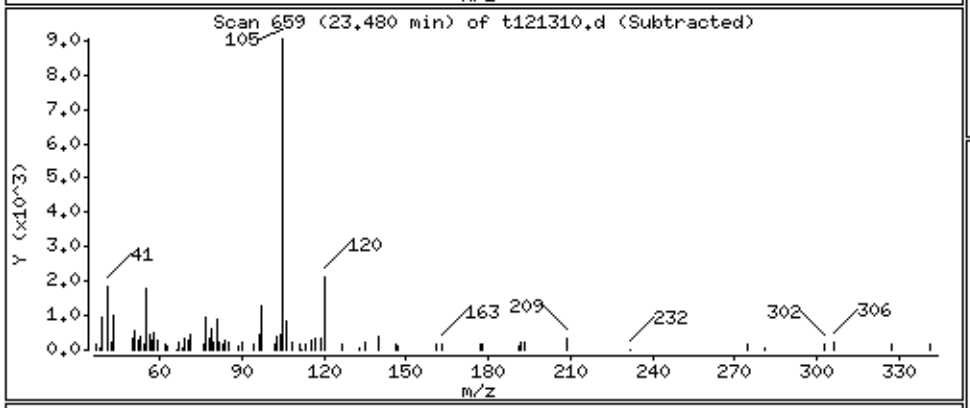
Column phase: RTx-624

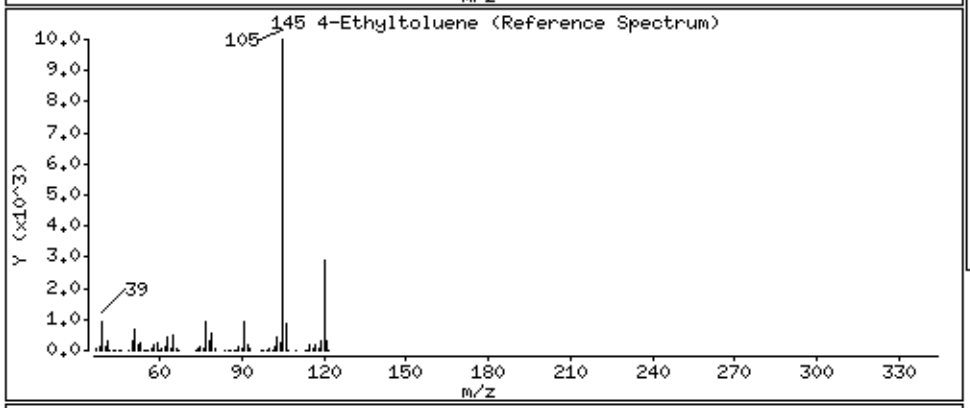
Column diameter: 0.53

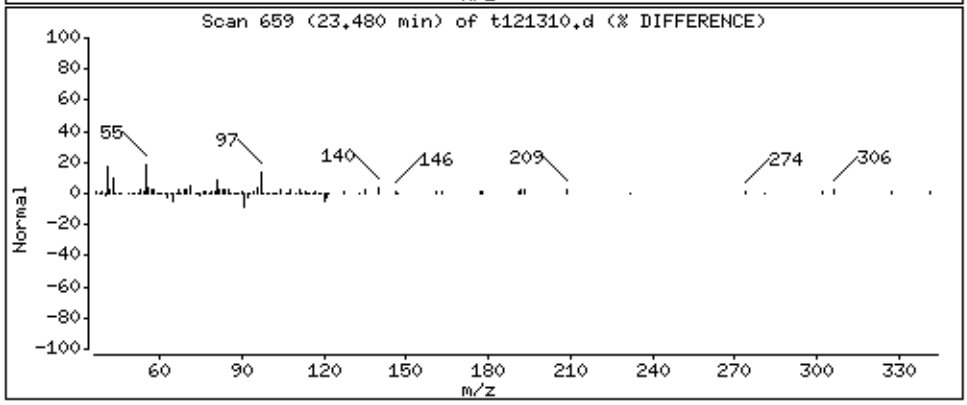
145 4-Ethyltoluene

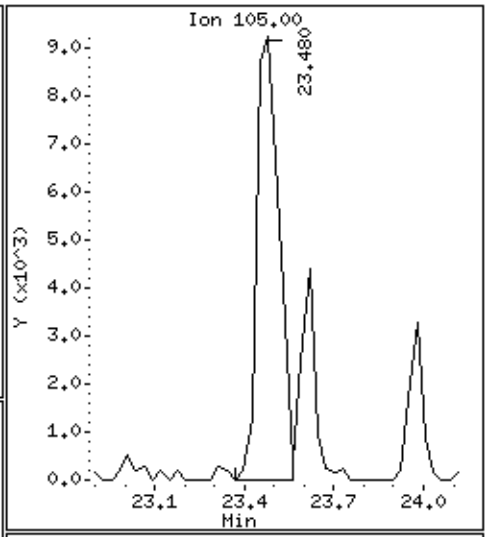
Concentration: 520.66 PPBV

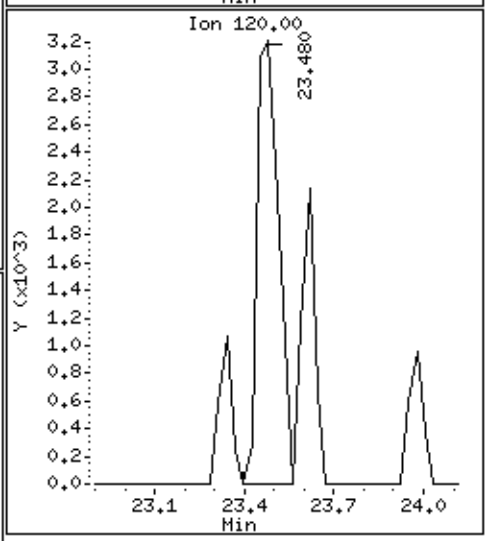












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: PT-POST (120106)

Lab ID#: 0612086-02A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PT-POST (120106)

Lab ID#: 0612086-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121311**	**Date of Collection: 12/1/06**	
Dil. Factor:	**1.79**	**Date of Analysis: 12/13/06 04:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.90	Not Detected	4.4	Not Detected
Freon 114	0.90	Not Detected	6.2	Not Detected
Chloromethane	3.6	Not Detected	7.4	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
Ethanol	3.6	Not Detected	6.7	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Acetone	3.6	Not Detected	8.5	Not Detected
2-Propanol	3.6	Not Detected	8.8	Not Detected
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
3-Chloropropene	3.6	Not Detected	11	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Chloroform	0.90	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.90	Not Detected	3.6	Not Detected
Heptane	0.90	Not Detected	3.7	Not Detected
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
Toluene	0.90	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PT-POST (120106)

Lab ID#: 0612086-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121311**	**Date of Collection: 12/1/06**	
Dil. Factor:	**1.79**	**Date of Analysis: 12/13/06 04:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
2-Hexanone	3.6	Not Detected	15	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	Not Detected	3.9	Not Detected
m,p-Xylene	0.90	Not Detected	3.9	Not Detected
o-Xylene	0.90	Not Detected	3.9	Not Detected
Styrene	0.90	Not Detected	3.8	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected

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

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	109	70-130
4-Bromofluorobenzene	102	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121311.d
Lab Smp Id: 0612086-02A
Inj Date : 13-DEC-2006 16:32
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #34217
Misc Info : 7.5"Hg-5.0psi ERM
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1
Dil Factor: 1.79000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	477121	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	370767			27.04- 127.04	77.71
14.052	14.052 (1.000)	49	1029134			248.96- 348.96	215.70
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2052676	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	324047			0.00- 65.73	15.79
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1354349	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	791950			6.96- 106.96	58.47
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	964473	27.2757	27.276	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	454901			0.94- 100.94	47.17
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	1852533	24.9639	24.964	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	222894			0.00- 61.57	12.03

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1245112			17.69- 117.69	67.21
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	641009	25.3889	25.389	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	809920			77.21- 177.21	126.35
23.010	23.010 (1.095)	176	624006			49.33- 149.33	97.35

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121311.d
Lab Smp Id: 0612086-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 7.5"Hg-5.0psi ERM

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	477121	-12.79
97 1,4-Difluorobenze	2273564	1364138	3182990	2052676	-9.72
126 Chlorobenzene-d5	1579200	947520	2210880	1354349	-14.24

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 14-Dec-2006 12:26

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 13Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0612086-02A
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 7.5"Hg-5.0psi ERM

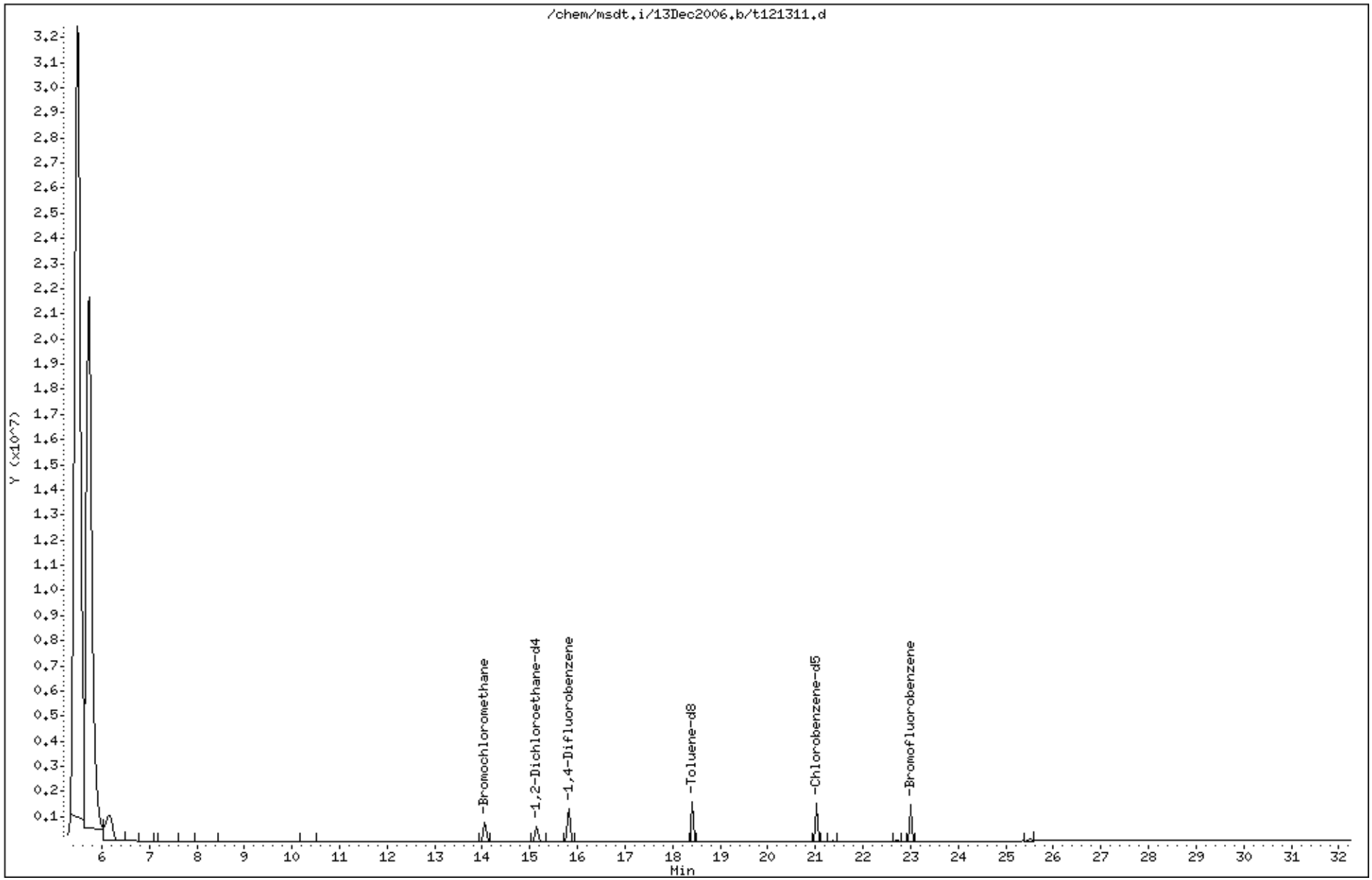
SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	27.276	109.10	70-130
$ 113 Toluene-d8	25.000	24.964	99.86	70-130
$ 137 Bromofluorobenzene	25.000	25.389	101.56	70-130

0036

Data File: /chem/msdt.i/13Dec2006.b/t121311.d
Date : 13-DEC-2006 16:32
Client ID:
Sample Info: 200mL #34217

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

Column phase: RTx-624



QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0612086-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 12:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0612086-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121306**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 12:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121306.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 13-DEC-2006 12:26
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #35246
Misc Info : Humid
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	527007	25.0000		80.00- 120.00	100.00
14.079	14.052 (1.000)	128	403780			27.04- 127.04	76.62
14.052	14.052 (1.000)	49	1131746			248.96- 348.96	214.75
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2214492	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	341727			0.00- 65.73	15.43
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1306233	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	751132			6.96- 106.96	57.50
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	973555	24.9263	24.926	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	467159			0.94- 100.94	47.98
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	1884990	23.5452	23.545	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	220738			0.00- 61.57	11.71

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1263743			17.69- 117.69	67.04
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	592473	24.3309	24.331	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	748258			77.21- 177.21	126.29
23.010	23.010 (1.095)	176	569129			49.33- 149.33	96.06

Report Date: 13-Dec-2006 12:49

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121306.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: Humid

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	527007	-3.67
97 1,4-Difluorobenze	2273564	1364138	3182990	2214492	-2.60
126 Chlorobenzene-d5	1579200	947520	2210880	1306233	-17.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 13-Dec-2006 12:49

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 13Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: AT041502.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.926	99.71	70-130
$ 113 Toluene-d8	25.000	23.545	94.18	70-130
$ 137 Bromofluorobenzene	25.000	24.331	97.32	70-130

Data File: /chem/msdt.i/13Dec2006.b/t121306.d

Date : 13-DEC-2006 12:26

Client ID: Lab Blank

Sample Info: 200mL #35246

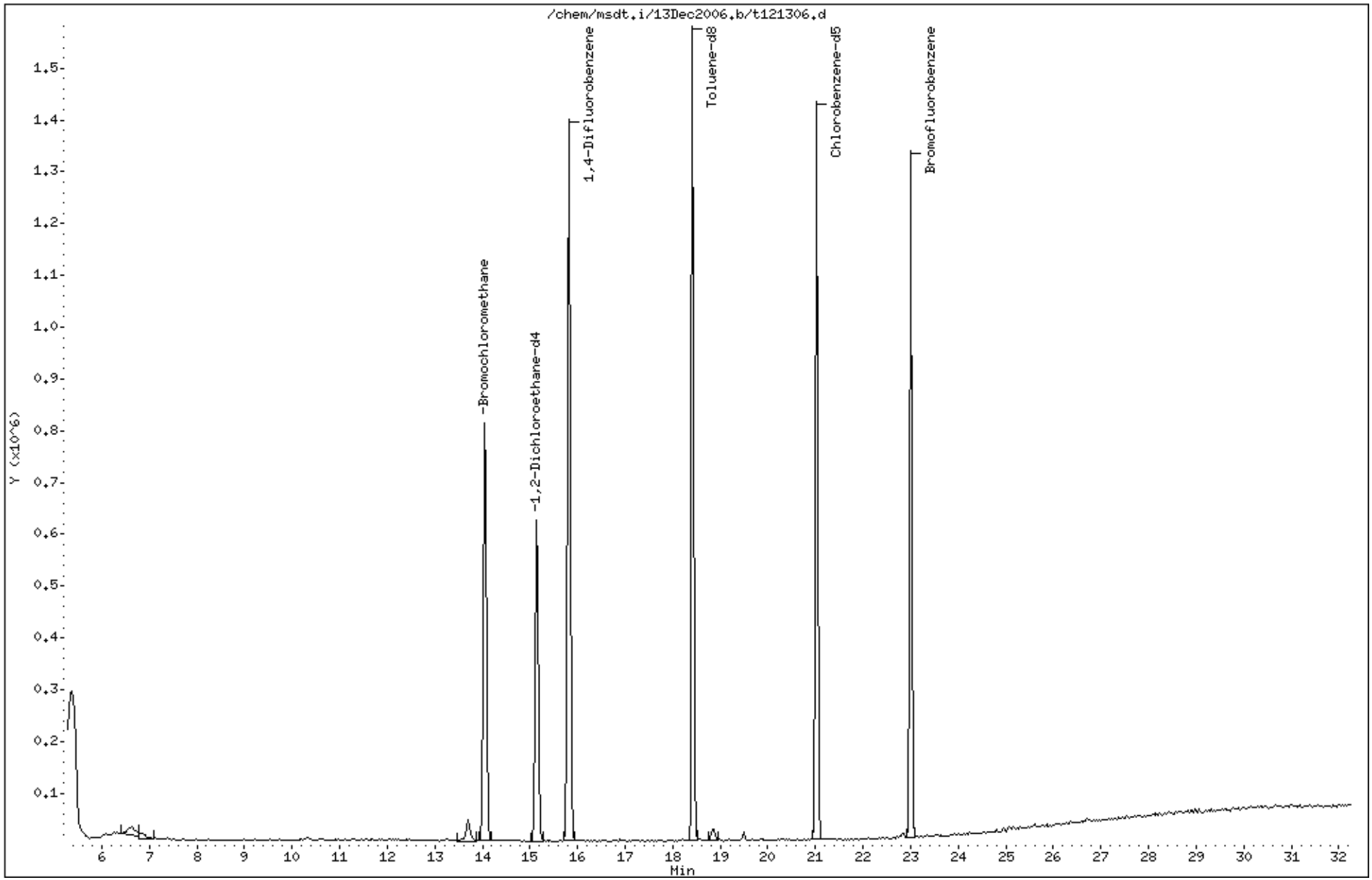
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0044



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0612086

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	PT-PRE (120106)	104		99		100				0
02	PT-POST (120106)	109		100		102				0
03	Lab Blank	100		94		97				0
04	CCV	102		102		99				0
05	LCS	101		99		100				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0612086
Lab File ID: t121303.d
Date Analyzed: 12/13/2006
Instrument ID: msdt.i
Time Analyzed: 09:45 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1579200		21.02		2273564		15.82		547073		14.05	
	UPPER LIMIT	2210880		21.35		3182990		16.15		765902		14.38	
	LOWER LIMIT	947520		20.69		1364138		15.49		328244		13.72	
	CLIENT SAMPLE NO												
01	PT-PRE (120106)	1402842		21.02		2108184		15.82		510369		14.05	
02	PT-POST (120106)	1354349		21.02		2052676		15.82		477121		14.05	
03	Lab Blank	1306233		21.02		2214492		15.82		527007		14.05	
04	CCV	1579200		21.02		2273564		15.82		547073		14.05	
05	LCS	1485168		21.02		2286277		15.82		566734		14.05	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/05Dec2006.b/t120512.d
Level 2: /chem/msdt.i/05Dec2006.b/t120513.d
Level 3: /chem/msdt.i/07Dec2006.b/t120702.d
Level 4: /chem/msdt.i/05Dec2006.b/t120515.d
Level 5: /chem/msdt.i/07Dec2006.b/t120703.d
Level 6: /chem/msdt.i/05Dec2006.b/t120517.d
Level 7: /chem/msdt.i/07Dec2006.b/t120704.d

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
9 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Propylene	+++++	+++++	0.94730	1.09463	0.92080	0.92897		
	0.82764						0.94387	10.190
12 Dichlorodifluoromethane/Fr12	+++++	1.80390	1.83248	2.31226	2.04515	2.06871		
	1.89256						1.99251	9.575
13 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
15 Freon 152a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
16 Freon 114	+++++	0.89242	0.90497	1.62834	1.16399	1.08672		
	0.91305						1.09825	25.737
17 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
18 Chloromethane	+++++	+++++	0.72928	0.96019	0.78485	0.79523	0.74527	0.80296	11.459
19 Butane	+++++	+++++	0.19332	0.27494	0.22494	0.18861	0.13851	0.20406	24.638
20 Vinyl Chloride	+++++	0.67959	0.70908	0.92044	0.80329	0.84983	0.77097	0.78887	11.319
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 1,3-Butadiene	+++++	0.97821	1.07209	1.32158	1.17386	1.03870	0.71857	1.05050	19.261
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Bromomethane	+++++	0.44832	0.55328	0.72314	0.63153	0.64734	0.58674	0.59839	15.632
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Chloroethane	+++++	0.26332	0.30820	0.39503	0.35241	0.37520	0.35596	0.34169	14.066

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 Isopentane	+++++	+++++	2.41108	2.65603	2.55068	2.54013	2.65531	2.56265	3.947
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	2.67877	3.25893	4.16542	3.64608	3.33585	2.54334	3.27140	18.469
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
38 Ethanol	+++++	+++++	0.82971	0.81083	0.76640	0.63957	0.54683	0.71867	16.883
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 Freon123	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon 113	+++++	1.68625	2.12754	2.35490	2.27507	2.27949	2.35513	2.17973	11.728
43 1,1-Dichloroethene	+++++	2.10700	2.61410	3.11727	2.99618	2.90384	2.40829	2.69111	14.363
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 Acetone	+++++	+++++	0.81099	0.86922	0.86838	0.86992	0.82577	0.84885	3.335
46 2-Propanol	+++++	+++++	2.98035	3.84257	3.76489	3.84559	3.68541	3.62376	10.090
47 Carbon Disulfide	+++++	3.40314	3.29688	3.88266	3.58539	3.18141	2.30137	3.27514	16.381

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51
Quant Method : ISTD
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Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 3-Chloropropene	+++++	+++++	0.57106	0.67940	0.67698	0.67763	0.68644	0.65830	7.430
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 Methylene Chloride	+++++	2.16916	2.24405	2.58566	2.32109	1.82260	1.34564	2.08137	20.989
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
57 tert-Butyl-Alcohol	+++++	+++++	4.29871	+++++	4.37398	+++++	4.37237	4.34835	0.989

Air Toxics Ltd.

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Cal Date : 07-Dec-2006 11:26 ctaylor
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
60 MTBE	+++++	2.87421	3.78939	4.33629	4.14611	4.22376		
	4.45640						3.97103	14.682
61 trans-1,2-Dichloroethene	+++++	1.00982	1.24936	1.48307	1.43652	1.45932		
	1.57142						1.36825	14.979
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
65 Hexane	+++++	2.05168	2.44372	2.89757	2.82460	2.84213		
	3.16336						2.70384	14.564
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
68 Isopropyl ether	+++++	+++++	6.79046	+++++	7.07094	+++++	7.35974	7.07371	4.024
69 Vinyl Acetate	+++++	+++++	0.29084	0.32809	0.32609	0.33513	0.37723	0.33148	9.296
70 1,1-Dichloroethane	+++++	2.08145	2.89181	3.31817	3.17329	3.19099	3.45029	3.01767	16.396
71 1-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	5.10445	+++++	5.75677	+++++	6.05803	5.63975	8.643
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	+++++	0.39678	0.55358	0.71278	0.72515	0.73467	0.82501	0.65799	23.586
76 cis-1,2-Dichloroethene	+++++	1.68458	2.26064	2.68997	2.61296	2.61812	2.84099	2.45121	17.183
77 Ethyl Acetate	+++++	+++++	0.79574	+++++	0.78687	+++++	0.86235	0.81499	5.062

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
80 Tetrahydrofuran	+++++	1.53057	2.18839	2.64033	2.55381	2.59060		
	2.80626						2.38499	19.506
82 Chloroform	2.00802	2.07837	2.99994	3.39687	3.22702	3.18603		
	3.41728						2.90193	20.790
83 1,1,1-Trichloroethane	+++++	1.83894	2.57942	3.06567	2.79993	2.83181		
	2.77005						2.64764	16.073
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
85 Cyclohexane	+++++	1.11079	1.39501	1.70141	1.55403	1.63345		
	1.67120						1.51098	14.869
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 Carbon Tetrachloride	+++++	1.84666	2.58151	3.00706	2.78045	2.77694		
	2.72302						2.61927	15.370
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
89 2,2,4-Trimethylpentane	+++++	5.56975	7.49195	8.59888	8.25478	8.33461		
	8.75040						7.83339	15.208
91 Benzene	0.81344	0.67901	0.90373	1.08378	1.06048	1.06387		
	1.05880						0.95187	16.561
92 tert-amyl-Methyl Ether	+++++	+++++	3.61059	+++++	3.87624	+++++		
	4.05933						3.84872	5.863
93 1,2-Dichloroethane	+++++	0.43042	0.56694	0.66995	0.62915	0.60950		
	0.59656						0.58375	14.150
94 Heptane	+++++	0.22059	0.27898	0.33108	0.32646	0.33204		
	0.33206						0.30354	15.020
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
96 2-Heptanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
98 1-Butanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
101 Trichloroethene	+++++	0.28445	0.41220	0.48848	0.47302	0.46878	0.46494	0.43198	17.773
102 Methyl Cyclohexane	+++++	1.25417	1.83071	2.14817	2.03502	2.05997	2.12718	1.90920	17.815
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
104 1,2-Dichloropropane	+++++	0.25734	0.35043	0.42272	0.41666	0.41876	0.41761	0.38059	17.431
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
106 1,4-Dioxane	+++++	+++++	0.19979	0.25305	0.24380	0.24874	0.24357	0.23779	9.083
107 Bromodichloromethane	+++++	0.47232	0.69660	0.86980	0.84152	0.83197	0.81879	0.75517	19.993
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.36507	0.49862	0.64129	0.62682	0.63435	0.63550	0.56694	19.921

Air Toxics Ltd.

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
111 4-Methyl-2-pentanone	+++++	0.17088	0.26952	0.38545	0.38296	0.40253		
	0.40420						0.33592	28.370
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
114 Toluene	+++++	0.68576	0.97832	1.20035	1.15564	1.18839		
	1.18425						1.06545	19.112
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.50966	0.85126	0.89875	0.90183	0.85780		
	0.85854						0.81297	18.476
117 1,1,2-Trichloroethane	+++++	0.37257	0.57503	0.60718	0.60743	0.58222		
	0.57905						0.55391	16.241
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Butyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
120 Tetrachloroethene	+++++	0.53299	0.77881	0.81900	0.80539	0.76919		
	0.74891						0.74238	14.227
121 2-Hexanone	+++++	+++++	0.51221	0.73007	0.75613	0.75877		
	0.78155						0.70774	15.658

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
122 Dibromochloromethane	+++++	0.54725	0.89483	1.09712	1.07872	1.04574		
	1.01412						0.94630	21.998
123 1,2-Dibromoethane	+++++	0.52632	0.78355	0.91320	0.90428	0.87658		
	0.86759						0.81192	18.138
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
127 Chlorobenzene	+++++	0.84385	1.13668	1.22700	1.21200	1.20430		
	1.21113						1.13916	13.000
128 Ethyl Benzene	+++++	0.38786	0.54725	0.60186	0.59363	0.59862		
	0.61025						0.55658	15.377
129 m,p-Xylene	0.50665	0.49317	0.69474	0.72842	0.71993	0.73511		
	0.74420						0.66032	16.768
130 o-Xylene	+++++	0.45881	0.58991	0.62477	0.61983	0.62699		
	0.63682						0.59286	11.396
131 Styrene	0.64238	0.52158	0.84720	0.98631	0.99486	1.04043		
	1.08329						0.87372	24.605
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 Bromoform	+++++	0.38233	0.57924	0.76775	0.75863	0.77886	0.76960	0.67273	23.980
134 Cumene	1.45960	1.27903	1.78917	1.84936	1.81588	1.82369	1.82234	1.69129	13.406
135 Cyclohexanone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
140 1,1,2,2-Tetrachloroethane	+++++	0.51028	0.72590	0.79509	0.80445	0.81778	0.84251	0.74933	16.474
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 Propylbenzene	+++++	1.49022	1.99762	2.01397	2.01645	2.08117	1.99469	1.93235	11.326
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
145 4-Ethyltoluene	+++++	1.18180	1.52947	1.60572	1.60504	1.66415		
	1.68524						1.54524	12.049
146 Diisobutyl Ketone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	0.94823	1.17670	1.20922	1.19385	1.18700		
	1.20277						1.15296	8.756
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	0.85310	1.12344	1.09031	1.08927	1.09261		
	1.10557						1.05905	9.606
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.48898	0.70033	0.70424	0.71388	0.70768		
	0.70547						0.67010	13.258
156 1,4-Dichlorobenzene	+++++	0.52763	0.65106	0.69809	0.70369	0.68977		
	0.69122						0.66024	10.233
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
159 alpha-Chlorotoluene	+++++	0.78421	0.91550	1.02447	1.05608	1.05181		
	1.05429						0.98106	11.252
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
161 1,2-Dichlorobenzene	+++++	0.47867	0.58226	0.60758	0.61251	0.59232		
	0.60087						0.57903	8.694
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	0.22343	0.28564	0.31403	0.33249	0.34366	0.29985	16.018
166 Hexachlorobutadiene	+++++	+++++	0.20713	0.25432	0.26657	0.25780	0.26205	0.24958	9.683
167 Naphthalene	+++++	+++++	0.59533	0.74644	0.85767	0.92826	0.96909	0.81936	18.434
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
$ 90 1,2-Dichloroethane-d4	1.74775	1.80200	1.84207	1.85417	1.81479	1.83311	2.07562	1.85279	5.627
$ 113 Toluene-d8	0.86210	0.87797	0.87745	0.92331	0.91073	0.93474	0.94030	0.90380	3.446
$ 137 Bromofluorobenzene	0.46560	0.44743	0.45523	0.46127	0.46753	0.47694	0.48832	0.46605	2.910

Calibration History

Method : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Start Cal Date: 05-DEC-2006 15:27
End Cal Date : 07-DEC-2006 10:51

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
05-DEC-2006 15:27	AFCEElow	/chem/msdt.i/05Dec2006.b/t120512.d
Cal Level: 2 , Cal Amount: 0.50000		
05-DEC-2006 16:07	AT04low+ENSR	/chem/msdt.i/05Dec2006.b/t120513.d
Cal Level: 3 , Cal Amount: 2.00000		
07-DEC-2006 09:26	sp5b	/chem/msdt.i/07Dec2006.b/t120702.d
05-DEC-2006 16:46	AT04mdl+ENSR	/chem/msdt.i/05Dec2006.b/t120514.d
Cal Level: 4 , Cal Amount: 25.00000		
05-DEC-2006 17:24	AT04mdl+ENSR	/chem/msdt.i/05Dec2006.b/t120515.d
Cal Level: 5 , Cal Amount: 50.00000		
07-DEC-2006 10:10	sp5b	/chem/msdt.i/07Dec2006.b/t120703.d
05-DEC-2006 18:08	AT04mdl+ENSR	/chem/msdt.i/05Dec2006.b/t120516.d
Cal Level: 6 , Cal Amount: 100.00000		
05-DEC-2006 18:46	AT04mdl+ENSR	/chem/msdt.i/05Dec2006.b/t120517.d
Cal Level: 7 , Cal Amount: 200.00000		
07-DEC-2006 10:51	sp5b	/chem/msdt.i/07Dec2006.b/t120704.d
05-DEC-2006 19:24	AT04mdl+ENSR	/chem/msdt.i/05Dec2006.b/t120518.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
07-DEC-2006 10:10	sp5bCCV	/chem/msdt.i/07Dec2006.b/t120703a.d
Ccal Level: 5 , Ccal Amount: 50.000		
07-DEC-2006 10:10	sp5b	/chem/msdt.i/07Dec2006.b/t120703.d

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MSD-T

Logbook #: 1451

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	31.77
75	30.0 – 60.0% of mass 95	53.63
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.64
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	75.02
175	5.0 – 9.0% of mass 174	(7.92)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.07)[1]
177	5.0 – 9.0% of mass 176	(6.80)[2]

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

BFB Injection Date: 12/5/06
BFB Injection Time: 1415
BFB File ID: T120510
Tekmar Purge Flow: 24.2 ml/min
Vacuum: 2.58 e-05

IS/S Std.#: 1408-225	Exp. Date: 2/26/07
BCM	595041
1,4-DFB	2418866
CB-d5	1654981

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

Verify 176/174 m/z Ratio: (599030 / 617088) x 1.00 = 97.074

NOAH Cart #: ✓ **File #:** ✓

Calculation Check:

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

Reported Result ______

File ID:
Compound:
Initials: SS 12/5/06

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T120510	BFB Tune Check	843-2786	50ng	2.0µl	1.00	SS	12/5/06	1415	SS	
2	✓	11	System Blank	35246	Humid	200ml	1.00	SNS		1441	SS	
3	✓	12	ICAL Level #1	1408-195	0.2ppbv	0.2ml	1.00	SS		1527	SNS	
4	✓	13	#2		0.5ppbv	0.5ml	1.00	SNS		1607	SNS	
5	✓	14	#3		2.0ppbv	2.0ml	1.00	SNS		1646	SNS	T14odo5
6	✓	15	#4		25ppbv	25ml	1.00	SNS		1724	SS	12-6-06
7	✓	16	#5		50ppbv	50ml	1.00	SS		1808	SS	
8	✓	17	#6		100ppbv	100ml	1.00	SNS		1846	SS	
9	✓	18	#7		200ppbv	250ml	1.00	SN		1924	SNS	

Signature ______ Date 12/5/06

10	✓	T120519	System Blank	35246	Humid	200ul	1.00	SS	12/7/06	2051	SS/CJ	
11	✓	20	ICAL LCS	1408-245	50ppbv	50ul	1.00	SS		2135	SS	ICAL LCS
12	✓	21	ICAL LCS 2cmpd	1408-243	50ppbv	50ul	1.00	SS		2214	CJ	↓
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												12-6-06

Comments: Mass Flow Controller Verification

	Actual	Nominal
Flow Controller SN AA98123220	22.1 ml/min	25 24.9 ml/min SS 12/5/06
Flow Meter SN 05E27601 Exp 8/19/07		

Signature

12/5/06
Date

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MSD-T

Logbook #: 1451

6900

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	34.60
75	30.0 – 60.0% of mass 95	57.61
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.68
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	71.34
175	5.0 – 9.0% of mass 174	(7.91)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.43)[1]
177	5.0 – 9.0% of mass 176	(6.63)[2]

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

BFB Injection Date: 120706
BFB Injection Time: 0836
BFB File ID: T120701
Tekmar Purge Flow: 23.9 mL/min
Vacuum: 2.16e-05

IS/S Std.#: 1408-225	Exp. Date: 2/26/07
BCM	541897
1,4-DFB	2238756
CB-d5	1525336

Verified CCV IS vs ICAL mid-point (- 40%D) C.T. *initials*

Verify 176/174 m/z Ratio: 517013/530666 x 100 = 97.42

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1063974)}{(541897)} \times \frac{(25)}{(1.85279)} = 26.493$

Reported Result 26.493

File ID:	T120705
Compound:	1,2-DCA-d4
Initials:	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T120701	BFB Tune Check	543-2786	50ng	2mL 12/7/06	1.00		12/7/06	0844	C.T.	
2	✓	02	ICAL Level #3	1408-160	2ppbv	2x mL	1.00			0926	C.T.	T14pdosb
3	✓	03	ICAL Level #5		50ppbv	50mL	1.00			10:10	C.T.	5psb CCVsp
4	✓	04	↓ #7	↓	200ppbv	200mL	1.00		↓	10:51	C.T.	
5	✓	05	CCV (200ppbv)	1408-185	50ppbv	50mL	1.00		12/7/06	11:29	C.T.	
6	—	06	Gas Std (100ppmv)	1229-136	25000ppbv	5.0mL	1.00		↓			
7												
8												
9												12-7-06 C.T.

C Tenjoa
Signature

12-7-06
Date

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-T on 12/05/2006.

The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration:
Chloroform, Cumene, Benzene and Styrene.

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120520.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 05-DEC-2006 21:35
Operator : srs Inst ID: msdt.i
Smp Info : 50mL #1408-245
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:42 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 19:24 Cal File: t120518.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR-2.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	615590	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	480922			27.46- 127.46	78.12
14.052	14.052 (1.000)	49	1774964			233.82- 333.82	288.34
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2549378	25.0000		80.00- 120.00	100.00
15.793	15.821 (1.000)	88	396703			0.00- 65.78	15.56
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1694408	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	959505			6.64- 106.64	56.63
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1093015	23.9579	23.958	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	593612			0.94- 100.94	54.31
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2346624	25.4611	25.461	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	265682			0.00- 61.57	11.32

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1569554			17.69- 117.69	66.89
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	760508	24.0766	24.077	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	968510			74.97- 174.97	127.35
23.010	23.010 (1.095)	176	754007			48.33- 148.33	99.15
11 Propylene					CAS #: 115-07-1		
5.867	5.867 (0.418)	41	1209977	52.0612	52.061	80.00- 120.00	100.00
5.867	5.867 (0.418)	42	798575			15.37- 115.37	66.00
5.867	5.867 (0.418)	39	968816			29.72- 129.72	80.07
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.978	5.978 (0.425)	85	2725846	55.5583	55.558	80.00- 120.00	100.00
5.978	5.978 (0.425)	87	889044			0.00- 81.72	32.62
16 Freon 114					CAS #: 76-14-2		
6.393	6.393 (0.455)	135	1815176	67.1221	67.122	80.00- 120.00	100.00(R)
6.393	6.393 (0.455)	137	589502			0.00- 81.70	32.48
18 Chloromethane					CAS #: 74-87-3		
6.614	6.642 (0.471)	50	1103399	55.8065	55.806	80.00- 120.00	100.00
6.614	6.642 (0.471)	52	347897			0.00- 86.11	31.53
20 Vinyl Chloride					CAS #: 75-01-4		
6.973	6.973 (0.496)	62	1147840	59.0917	59.092	80.00- 120.00	100.00
6.973	6.973 (0.496)	64	353598			0.00- 87.67	30.81
22 1,3-Butadiene					CAS #: 106-99-0		
7.029	7.056 (0.500)	54	1590130	61.4729	61.473	80.00- 120.00	100.00
7.029	7.056 (0.500)	39	1790538			74.46- 174.46	112.60
25 Bromomethane					CAS #: 74-83-9		
8.024	8.024 (0.571)	94	913199	61.9768	61.977	80.00- 120.00	100.00
8.024	8.024 (0.571)	96	852803			42.79- 142.79	93.39
27 Chloroethane					CAS #: 75-00-3		
8.300	8.328 (0.591)	64	508084	60.3890	60.389	80.00- 120.00	100.00
8.300	8.328 (0.591)	49	207380			0.00- 92.66	40.82
8.300	8.328 (0.591)	66	149711			0.00- 80.63	29.47
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.881	8.881 (0.632)	101	4973569	61.7424	61.742	80.00- 120.00	100.00
8.881	8.881 (0.632)	103	3202037			14.17- 114.17	64.38

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.323	9.351 (0.664)	45	1037665	58.6377	58.638	80.00- 120.00	100.00
9.323	9.351 (0.664)	43	237537			0.00- 73.15	22.89
9.323	9.351 (0.664)	46	380838			0.00- 85.75	36.70
42 Freon 113					CAS #: 76-13-1		
10.042	10.043 (0.715)	151	3064572	57.0973	57.097	80.00- 120.00	100.00
10.042	10.070 (0.715)	153	1965224			13.69- 113.69	64.13
10.042	10.043 (0.715)	101	3754530			73.20- 173.20	122.51
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.125	10.153 (0.721)	61	3947473	59.5711	59.571	80.00- 120.00	100.00
10.125	10.153 (0.721)	96	1853247			0.00- 96.32	46.95
10.125	10.153 (0.721)	98	1193636			0.00- 79.30	30.24
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	1101426	52.6951	52.695	80.00- 120.00	100.00
10.291	10.291 (0.732)	43	4724425			391.57- 491.57	428.94
46 2-Propanol					CAS #: 67-63-0		
10.457	10.485 (0.744)	45	4988254	55.9033	55.903	80.00- 120.00	100.00
10.457	10.485 (0.744)	43	1027294			0.00- 71.85	20.59
10.457	10.485 (0.744)	59	160266			0.00- 53.30	3.21
47 Carbon Disulfide					CAS #: 75-15-0		
10.651	10.678 (0.758)	76	4838850	60.0013	60.001	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	970632	59.8794	59.879	80.00- 120.00	100.00
10.927	10.927 (0.778)	41	4347400			409.83- 509.83	447.89
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.799)	49	3197886	62.3968	62.397	80.00- 120.00	100.00
11.231	11.231 (0.799)	84	1599491			0.00- 98.28	50.02
11.231	11.231 (0.799)	51	942960			0.00- 79.91	29.49
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	5330926	54.5190	54.519	80.00- 120.00	100.00
11.591	11.591 (0.825)	57	1457306			0.00- 77.07	27.34
11.591	11.591 (0.825)	41	1688695			0.00- 85.57	31.68
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	1863465	55.3100	55.310	80.00- 120.00	100.00
11.674	11.674 (0.831)	61	3327107			130.30- 230.30	178.54
11.674	11.674 (0.831)	98	1183542			14.30- 114.30	63.51

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.005	12.006 (0.854)	57	3592018	53.9517	53.952	80.00- 120.00	100.00
12.005	12.006 (0.854)	43	2728530			26.89- 126.89	75.96
12.005	12.033 (0.854)	86	424740			0.00- 61.23	11.82
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	402292	49.2875	49.287	80.00- 120.00	100.00
12.476	12.503 (0.888)	43	7645383			1782.11-1882.11	1900.46
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.503	12.531 (0.890)	63	4203317	56.5678	56.568	80.00- 120.00	100.00
12.503	12.531 (0.890)	65	1268339			0.00- 80.43	30.17
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	935862	57.7614	57.761	80.00- 120.00	100.00
13.554	13.554 (0.965)	43	6130204			613.19- 713.19	655.03
13.554	13.554 (0.965)	57	404735			0.00- 95.87	43.25
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.581	13.582 (0.967)	61	3537768	58.6134	58.613	80.00- 120.00	100.00
13.581	13.582 (0.967)	96	2152132			10.21- 110.21	60.83
13.581	13.582 (0.967)	98	1369588			0.00- 88.50	38.71
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (0.998)	42	3247627	55.3003	55.300	80.00- 120.00	100.00
14.024	14.024 (0.998)	71	892291			0.00- 76.97	27.48
14.024	14.024 (0.998)	72	916040			0.00- 77.09	28.21
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	4200763	58.7881	58.788	80.00- 120.00	100.00
14.107	14.107 (1.004)	85	2641856			13.37- 113.37	62.89
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	3716765	57.0106	57.010	80.00- 120.00	100.00
14.466	14.466 (1.030)	99	2364673			14.25- 114.25	63.62
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	2048380	55.0554	55.055	80.00- 120.00	100.00
14.494	14.494 (1.031)	56	3169939			106.87- 206.87	154.75
14.494	14.494 (1.031)	41	2118813			57.02- 157.02	103.44
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	3657557	56.7099	56.710	80.00- 120.00	100.00
14.743	14.743 (1.049)	117	3802582			52.86- 152.86	103.97
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	11269124	58.4236	58.424	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.075	15.075 (1.073)	56	3751209			0.00- 83.72	33.29
15.075	15.075 (1.073)	41	3639168			0.00- 83.32	32.29
91 Benzene					CAS #: 71-43-2		
15.157	15.158 (0.958)	78	5878388	60.5600	60.560	80.00- 120.00	100.00
15.157	15.158 (0.958)	77	1341269			0.00- 72.75	22.82
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	3359987	56.4435	56.443	80.00- 120.00	100.00
15.268	15.268 (0.965)	64	1018102			0.00- 80.45	30.30
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	1691725	54.6544	54.654	80.00- 120.00	100.00
15.351	15.379 (0.970)	43	4597095			223.93- 323.93	271.74
15.351	15.379 (0.970)	57	2084900			70.43- 170.43	123.24
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	2578122	58.5259	58.526	80.00- 120.00	100.00
16.291	16.291 (1.030)	130	2571005			50.19- 150.19	99.72
16.291	16.291 (1.030)	97	1664108			14.88- 114.88	64.55
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	2260845	58.2534	58.253	80.00- 120.00	100.00
16.761	16.761 (1.059)	62	1691919			23.19- 123.19	74.84
16.761	16.761 (1.059)	41	1802822			32.59- 132.59	79.74
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.900 (1.068)	88	1306099	53.8624	53.862	80.00- 120.00	100.00
16.899	16.900 (1.068)	58	1077848			34.17- 134.17	82.52
16.899	16.900 (1.068)	57	400676			0.00- 81.45	30.68
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	4131955	53.6560	53.656	80.00- 120.00	100.00
17.204	17.204 (1.087)	85	2574145			12.44- 112.44	62.30
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	2247855	38.8807	38.881	80.00- 120.00	100.00
17.978	17.978 (1.136)	77	712059			0.00- 81.73	31.68
17.978	17.978 (1.136)	39	1811004			32.13- 132.13	80.57
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	1971804	57.5610	57.561	80.00- 120.00	100.00
18.171	18.171 (1.149)	43	6094820			265.62- 365.62	309.10
18.171	18.171 (1.149)	85	681215			0.00- 85.05	34.55

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	6264400	57.6569	57.657	80.00- 120.00	100.00
18.531	18.531 (1.171)	92	3810212			11.21- 111.21	60.82
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	2222988	59.2129	59.213	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	1401999			13.40- 113.40	63.07
19.333	19.333 (0.920)	83	1899555			35.54- 135.54	85.45
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.499 (0.928)	166	2981232	59.2502	59.250	80.00- 120.00	100.00
19.498	19.499 (0.928)	129	2235479			24.24- 124.24	74.99
19.498	19.499 (0.928)	131	2136506			21.06- 121.06	71.67
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	2585350	53.8970	53.897	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	5777066			173.89- 273.89	223.45
19.637	19.637 (0.934)	100	376307			0.00- 65.02	14.56
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	3510147	54.7293	54.729	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	2702881			29.86- 129.86	77.00
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	3232714	58.7457	58.746	80.00- 120.00	100.00
20.300	20.300 (0.966)	109	3050154			43.96- 143.96	94.35
127 Chlorobenzene					CAS #: 108-90-7		
21.074	21.075 (1.003)	112	4425468	57.3187	57.319	80.00- 120.00	100.00
21.074	21.075 (1.003)	114	1445226			0.00- 82.11	32.66
21.074	21.075 (1.003)	77	2711527			10.93- 110.93	61.27
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.158 (1.007)	106	2256409	59.8155	59.815	80.00- 120.00	100.00
21.157	21.158 (1.007)	91	7308741			273.41- 373.41	323.91
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	4958273	110.790	110.79	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	9946939			150.37- 250.37	200.61
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1968753	48.9964	48.996	80.00- 120.00	100.00
22.070	22.070 (1.050)	91	4119607			161.66- 261.66	209.25
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	2135747	46.8412	46.841	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
133 Bromoform (continued)							
22.512	22.512 (1.071)	171	1087169			1.15- 101.15	50.90
134 Cumene					CAS #: 98-82-8		
22.650	22.651 (1.078)	105	6409023	55.9106	55.911	80.00- 120.00	100.00
22.650	22.651 (1.078)	120	1663557			0.00- 75.76	25.96
22.650	22.651 (1.078)	51	927148			0.00- 67.97	14.47
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	2958970	58.2622	58.262	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1858601			11.66- 111.66	62.81
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	7292518	55.6818	55.682	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	1649716			0.00- 72.76	22.62
23.342	23.342 (1.110)	105	275727			0.00- 54.33	3.78
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	5831457	55.6806	55.681	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	1738462			0.00- 80.07	29.81
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	3489932	44.6605	44.660	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1726750			0.00- 99.50	49.48
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2609096	36.3493	36.349	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1200603			0.00- 95.95	46.02
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	2566487	56.5098	56.510	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	1633331			15.26- 115.26	63.64
24.807	24.807 (1.180)	111	1037852			0.00- 92.21	40.44
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	2483242	55.4928	55.493	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	1592387			15.51- 115.51	64.13
24.973	24.973 (1.188)	111	964794			0.00- 88.70	38.85
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	3862662	58.0917	58.092	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	770665			0.00- 70.08	19.95
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	2157351	54.9716	54.972	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	1392509			13.92- 113.92	64.55

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
25.609	25.609 (1.218)	111	902270			0.00- 92.42	41.82
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	966528	47.5591	47.559	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	894763			43.59- 143.59	92.57
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	827403	48.9144	48.914	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	522088			14.66- 114.66	63.10
29 Isopentane					CAS #: 78-78-4		
8.300	8.328 (0.591)	43	6240060	98.8892	98.889	80.00- 120.00	100.00(R)
8.300	8.328 (0.591)	57	3668675			8.33- 108.33	58.79
19 Butane					CAS #: 106-97-8		
6.863	6.890 (0.488)	58	619356	123.261	123.26	80.00- 120.00	100.00(R)
6.863	6.890 (0.488)	43	5985189			910.72-1010.72	966.36
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	4940546	105.092	105.09	80.00- 120.00	100.00(R)
16.568	16.568 (1.179)	98	2138537			0.00- 93.56	43.29
16.540	16.568 (1.177)	55	5422294			63.60- 163.60	109.75
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1479310	26.6383	26.638	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	189484			0.00- 62.82	12.81

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120520.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	615590	3.45
97 1,4-Difluorobenze	2448866	1469320	3428412	2549378	4.10
126 Chlorobenzene-d5	1654981	992989	2316973	1694408	2.38

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 06-Dec-2006 12:43

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 05Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: srs
Data Type: MS DATA SampleType: LCS
SpikeList File: AT04ENSR-2.spk Quant Type: ISTD
Sublist File: AT04ENSR-2.sub
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 50ppbv

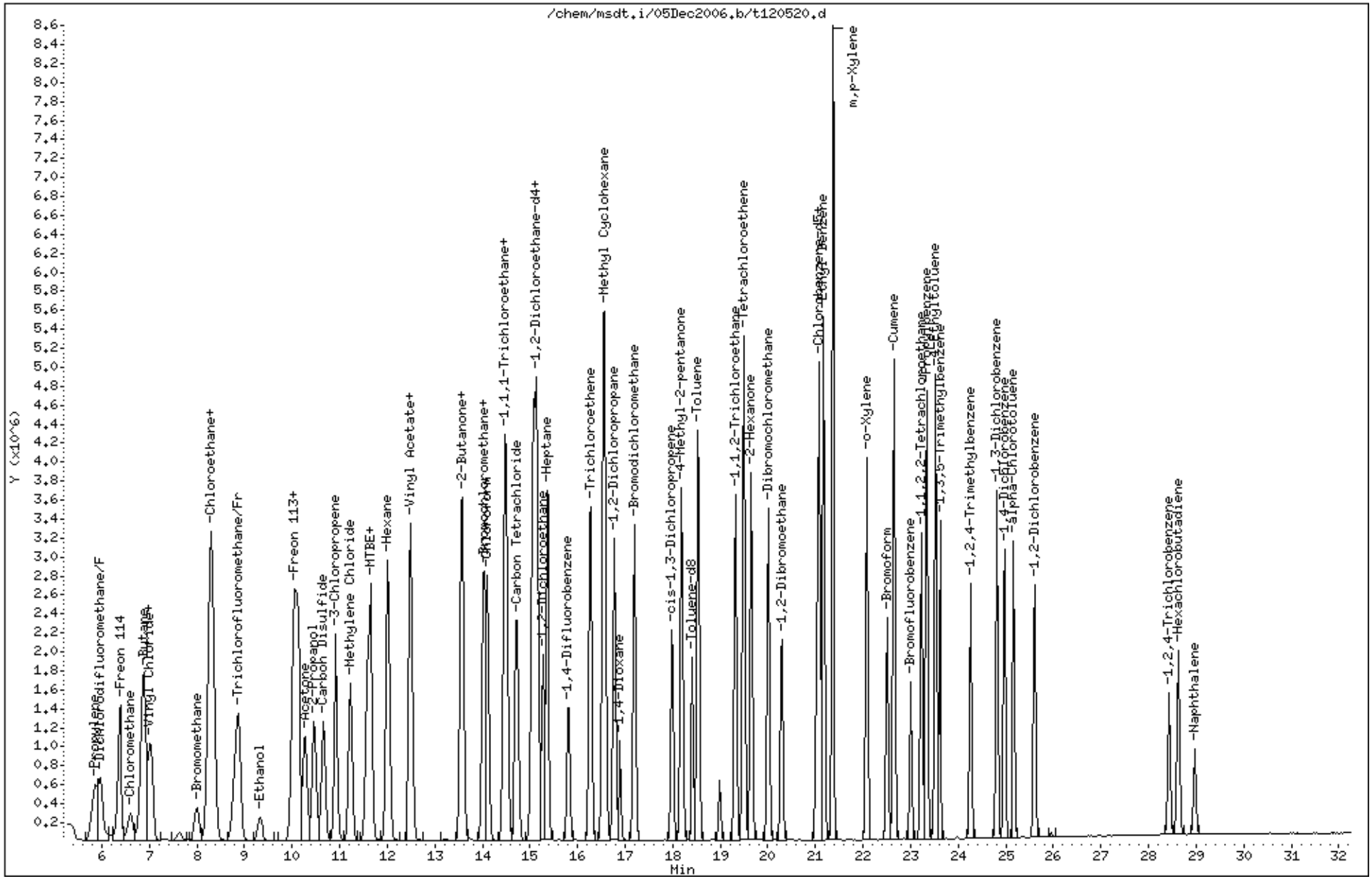
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
11 Propylene	50.000	52.061	104.12	60-140
12 Dichlorodifluorome	50.000	55.558	111.12	70-130
16 Freon 114	50.000	67.122	134.24*	70-130
18 Chloromethane	50.000	55.806	111.61	70-130
20 Vinyl Chloride	50.000	59.092	118.18	70-130
22 1,3-Butadiene	50.000	61.473	122.95	60-140
25 Bromomethane	50.000	61.977	123.95	70-130
27 Chloroethane	50.000	60.389	120.78	70-130
31 Trichlorofluoromet	50.000	61.742	123.48	70-130
38 Ethanol	50.000	58.638	117.28	60-140
42 Freon 113	50.000	57.097	114.19	70-130
43 1,1-Dichloroethene	50.000	59.571	119.14	70-130
45 Acetone	50.000	52.695	105.39	60-140
47 Carbon Disulfide	50.000	60.001	120.00	60-140
46 2-Propanol	50.000	55.903	111.81	60-140
54 Methylene Chloride	50.000	62.397	124.79	70-130
60 MTBE	50.000	54.519	109.04	60-140
61 trans-1,2-Dichloro	50.000	55.310	110.62	60-140
65 Hexane	50.000	53.952	107.90	60-140
70 1,1-Dichloroethane	50.000	56.568	113.14	70-130
69 Vinyl Acetate	50.000	49.287	98.57	60-140
76 cis-1,2-Dichloroet	50.000	58.613	117.23	70-130
75 2-Butanone	50.000	57.761	115.52	60-140
80 Tetrahydrofuran	50.000	55.300	110.60	60-140
82 Chloroform	50.000	58.788	117.58	70-130
85 Cyclohexane	50.000	55.055	110.11	60-140
83 1,1,1-Trichloroeth	50.000	57.010	114.02	70-130
87 Carbon Tetrachlori	50.000	56.710	113.42	70-130
91 Benzene	50.000	60.560	121.12	70-130
93 1,2-Dichloroethane	50.000	56.443	112.89	70-130
94 Heptane	50.000	54.654	109.31	60-140
101 Trichloroethene	50.000	58.526	117.05	70-130
104 1,2-Dichloropropan	50.000	58.253	116.51	70-130

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
106 1,4-Dioxane	50.000	53.862	107.72	60-140
107 Bromodichlorometha	50.000	53.656	107.31	60-140
110 cis-1,3-Dichloropr	50.000	38.881	77.76	70-130
111 4-Methyl-2-pentano	50.000	57.561	115.12	60-140
114 Toluene	50.000	57.657	115.31	70-130
117 1,1,2-Trichloroeth	50.000	59.213	118.43	70-130
120 Tetrachloroethene	50.000	59.250	118.50	70-130
121 2-Hexanone	50.000	53.897	107.79	60-140
122 Dibromochlorometha	50.000	54.729	109.46	60-140
123 1,2-Dibromoethane	50.000	58.746	117.49	70-130
127 Chlorobenzene	50.000	57.319	114.64	70-130
128 Ethyl Benzene	50.000	59.815	119.63	70-130
129 m,p-Xylene	100.00	110.79	110.79	70-130
130 o-Xylene	50.000	48.996	97.99	70-130
133 Bromoform	50.000	46.841	93.68	60-140
140 1,1,2,2-Tetrachlor	50.000	58.262	116.52	70-130
145 4-Ethyltoluene	50.000	55.681	111.36	60-140
147 1,3,5-Trimethylben	50.000	44.660	89.32	70-130
150 1,2,4-Trimethylben	50.000	36.349	72.70	70-130
155 1,3-Dichlorobenzen	50.000	56.510	113.02	70-130
156 1,4-Dichlorobenzen	50.000	55.493	110.99	70-130
159 alpha-Chlorotoluen	50.000	58.092	116.18	70-130
161 1,2-Dichlorobenzen	50.000	54.972	109.94	70-130
165 1,2,4-Trichloroben	50.000	47.559	95.12	70-130
166 Hexachlorobutadien	50.000	48.914	97.83	70-130
142 Propylbenzene	50.000	55.682	111.36	60-140
134 Cumene	50.000	55.911	111.82	60-140
51 3-Chloropropene	50.000	59.879	119.76	60-140
89 2,2,4-Trimethylpen	50.000	58.424	116.85	60-140
167 Naphthalene	25.000	26.638	106.55	60-140
102 Methyl Cyclohexane	50.000	105.09	210.18*	70-130
19 Butane	50.000	123.26	246.52*	70-130
29 Isopentane	50.000	98.889	197.78*	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	23.958	95.83	70-130
$ 113 Toluene-d8	25.000	25.461	101.84	70-130
$ 137 Bromofluorobenzene	25.000	24.077	96.31	70-130

Data File: /chem/msdt.i/05Dec2006.b/t120520.d
Date : 05-DEC-2006 21:35
Client ID: LCS-1
Sample Info: 50mL #1408-245

Instrument: msdt.i
Operator: srs
Column phase: RTx-624
Column diameter: 0.53



0082

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120521.d
Lab Smp Id: LCS Client Smp ID: X
Inj Date : 05-DEC-2006 22:14
Operator : srs Inst ID: msdt.i
Smp Info : 50mL #1408-243
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:42 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 19:24 Cal File: t120518.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2cmpd.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	616955	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	475850			27.46- 127.46	77.13
14.024	14.052 (1.000)	49	1243297			233.82- 333.82	201.52
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2495525	25.0000		80.00- 120.00	100.00
15.794	15.821 (1.000)	88	390941			0.00- 65.78	15.67
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1620262	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	926240			6.64- 106.64	57.17
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1048622	22.9340	22.934	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	498215			0.94- 100.94	47.51
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2266474	25.1221	25.122	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	254785			0.00- 61.57	11.24

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1526975			17.69- 117.69	67.37
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	731626	24.2222	24.222	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	927800			74.97- 174.97	126.81
23.010	23.010 (1.095)	176	709330			48.33- 148.33	96.95
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	3850386	67.9964	67.996	80.00- 120.00	100.00(R)
22.098	22.098 (1.051)	78	1705835			3.25- 103.25	44.30
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	3385853	64.2608	64.261	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	1069513			0.00- 81.44	31.59
18.973	18.973 (0.903)	39	2548488			25.54- 125.54	75.27

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120521.d
Lab Smp Id: LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: X
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	616955	3.68
97 1,4-Difluorobenze	2448866	1469320	3428412	2495525	1.91
126 Chlorobenzene-d5	1654981	992989	2316973	1620262	-2.10

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 06-Dec-2006 12:43

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 05Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS Client Smp ID: X
Level: LOW Operator: srs
Data Type: MS DATA SampleType: LCS
SpikeList File: 2cmpd.spk Quant Type: ISTD
Sublist File: 2cmpd.sub
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
116 trans-1,3-Dichloro	50.000	64.261	128.52	70-130
131 Styrene	50.000	67.996	135.99*	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	22.934	91.74	70-130
$ 113 Toluene-d8	25.000	25.122	100.49	70-130
$ 137 Bromofluorobenzene	25.000	24.222	96.89	70-130

Data File: /chem/msdt.i/05Dec2006.b/t120521.d

Date : 05-DEC-2006 22:14

Client ID: X

Sample Info: 50mL #1408-243

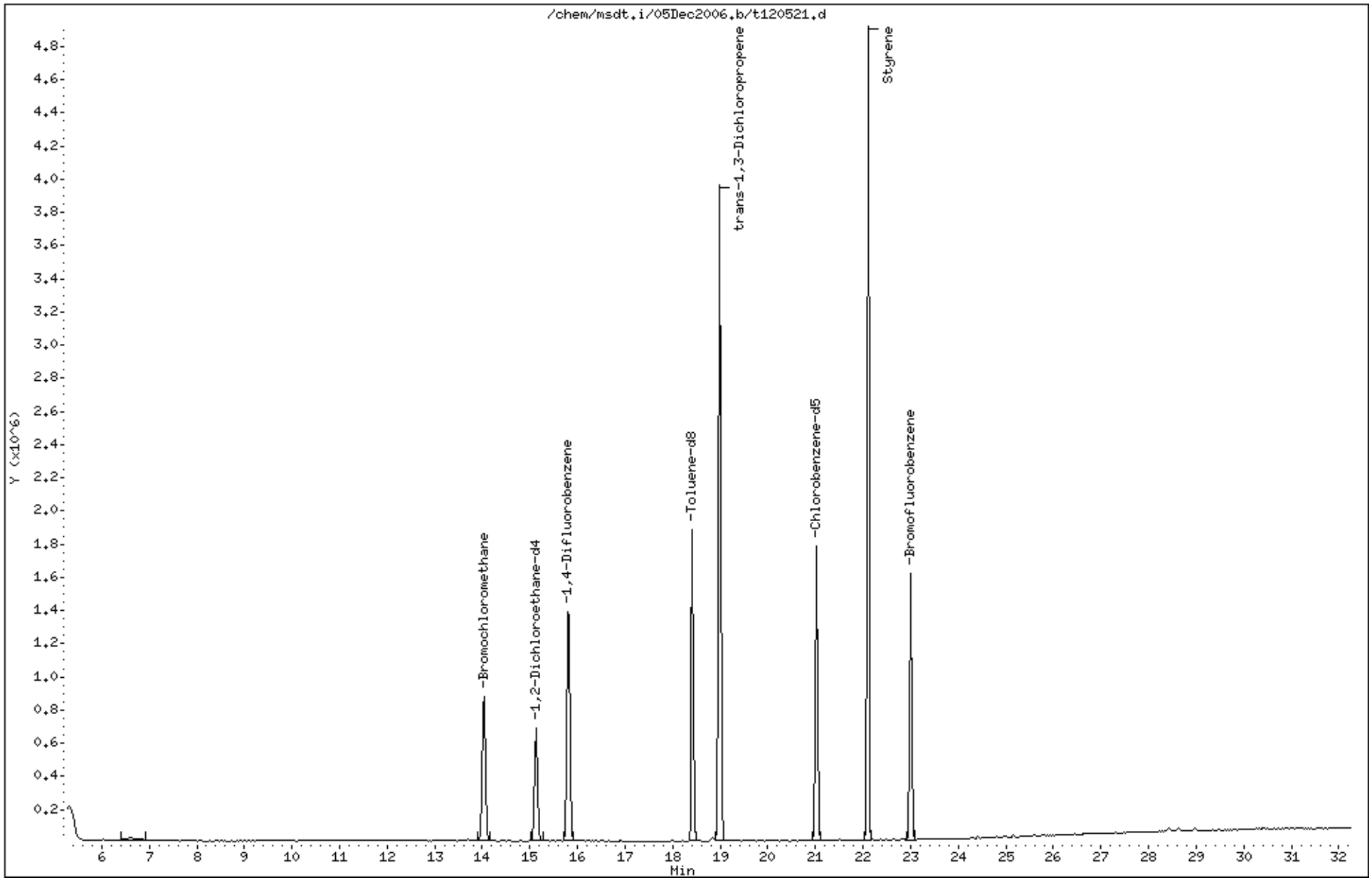
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0087



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120512.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 05-DEC-2006 15:27
Operator : srs Inst ID: msdt.i
Smp Info : 0.2mL #1408-195
Misc Info : 200ppbv -> 0.2ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 15:27 Cal File: t120512.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	585839	25.0000		50.00- 150.00		100.00
14.052	14.052 (1.000)	128	454407			27.60- 127.60		77.57
14.052	14.052 (1.000)	49	1205064			203.42- 303.42		205.70
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2407524	25.0000		50.00- 150.00		100.00
15.821	15.821 (1.000)	88	374301			0.00- 65.71		15.55
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1401236	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	798144			6.64- 106.64		56.96
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
15.130	15.130 (1.077)	65	1023898	25.0000	23.583	50.00- 150.00		100.00
15.130	15.130 (1.077)	67	483498			0.94- 100.94		47.22
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.420	18.420 (1.164)	98	2075531	25.0000	23.846	50.00- 150.00		100.00
18.420	18.420 (1.164)	70	239118			0.00- 61.57		11.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1401057			17.69- 117.69	67.50
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.010	23.010 (1.095)	174	652409	25.0000	24.976	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	808969			74.10- 174.10	124.00
23.010	23.010 (1.095)	176	628079			47.18- 147.18	96.27
82 Chloroform						CAS #: 67-66-3	
14.107	14.107 (1.004)	83	9411	0.20000	0.1384	50.00- 150.00	100.00(a)
14.134	14.134 (1.006)	85	5617			12.52- 112.52	59.69
91 Benzene						CAS #: 71-43-2	
15.158	15.158 (0.958)	78	15667	0.20000	0.1709	50.00- 150.00	100.00(a)
15.158	15.158 (0.958)	77	3507			0.00- 72.75	22.38
129 m,p-Xylene						CAS #: 108-38-3	
21.379	21.379 (1.017)	106	11359	0.40000	0.3069	50.00- 150.00	100.00(a)
21.351	21.351 (1.016)	91	23807			150.37- 250.37	209.59
131 Styrene						CAS #: 100-42-5	
22.098	22.098 (1.051)	104	7201	0.20000	0.1470	50.00- 150.00	100.00(a)
22.098	22.098 (1.051)	78	5132			7.91- 107.91	71.27
134 Cumene						CAS #: 98-82-8	
22.651	22.651 (1.078)	105	16362	0.20000	0.1726	50.00- 150.00	100.00(a)
22.651	22.651 (1.078)	120	4288			0.00- 75.76	26.21
22.651	22.651 (1.078)	51	4990			0.00- 67.97	30.50

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120512.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 0.2ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	585839	-1.55
97 1,4-Difluorobenze	2448866	1469320	3428412	2407524	-1.69
126 Chlorobenzene-d5	1654981	992989	2316973	1401236	-15.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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/05Dec2006.b/t120512.d

Date : 05-DEC-2006 15:27

Client ID: Level 1

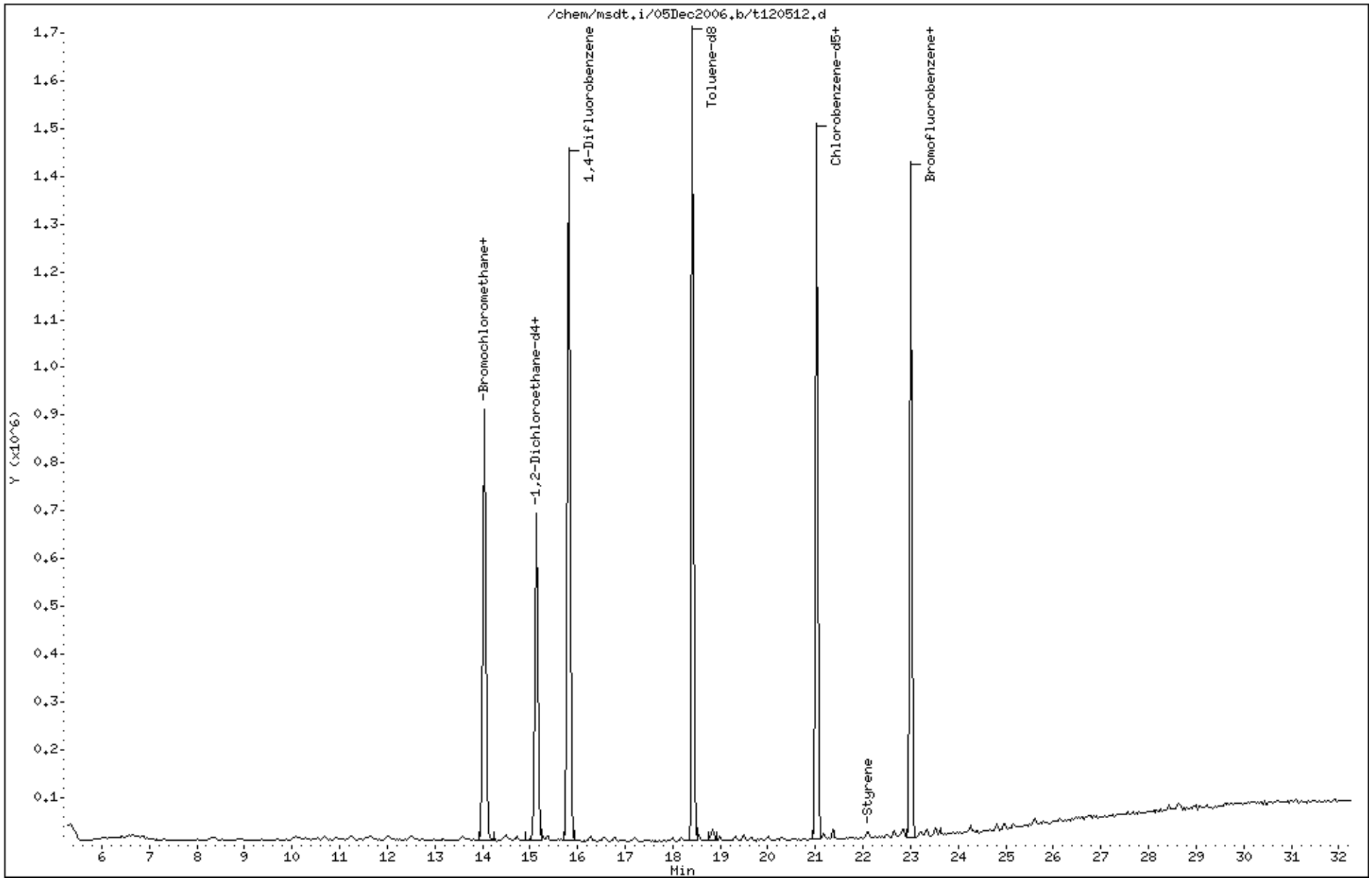
Sample Info: 0.2mL #1408-195

Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120513.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 05-DEC-2006 16:07
Operator : srs Inst ID: msdt.i
Smp Info : 0.5mL #1408-195
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 16:07 Cal File: t120513.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	569460	25.0000		50.00- 150.00	100.00
14.052	14.052 (1.000)	128	441645			27.60- 127.60	77.56
14.052	14.052 (1.000)	49	1187647			203.42- 303.42	208.56
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2363646	25.0000		50.00- 150.00	100.00
15.821	15.821 (1.000)	88	371134			0.00- 65.71	15.70
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1455286	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	819210			6.64- 106.64	56.29
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1026169	25.0000	24.315	50.00- 150.00	100.00
15.130	15.130 (1.077)	67	485206			0.94- 100.94	47.28
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2075199	25.0000	24.285	50.00- 150.00	100.00
18.420	18.420 (1.164)	70	239435			0.00- 61.57	11.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1405751			17.69- 117.69	67.74
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.010	23.010 (1.095)	174	651139	25.0000	24.001	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	814116			74.10- 174.10	125.03
23.010	23.010 (1.095)	176	623141			47.18- 147.18	95.70
12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
6.006	6.006 (0.427)	85	20545	0.50000	0.4527	50.00- 150.00	100.00(a)
6.033	6.033 (0.429)	87	6405			0.00- 81.72	31.18
16 Freon 114						CAS #: 76-14-2	
6.420	6.420 (0.457)	135	10164	0.50000	0.4063	50.00- 150.00	100.00(a)
6.448	6.448 (0.459)	137	3135			0.00- 80.76	30.84
20 Vinyl Chloride						CAS #: 75-01-4	
7.001	7.001 (0.498)	62	7740	0.50000	0.4307	50.00- 150.00	100.00(a)
7.001	7.001 (0.498)	64	4185			0.00- 87.67	54.07
22 1,3-Butadiene						CAS #: 106-99-0	
7.084	7.084 (0.504)	54	11141	0.50000	0.4656	50.00- 150.00	100.00(a)
7.056	7.056 (0.502)	39	17354			74.46- 174.46	155.77
25 Bromomethane						CAS #: 74-83-9	
8.052	8.052 (0.573)	94	5106	0.50000	0.3746	50.00- 150.00	100.00(a)
8.052	8.052 (0.573)	96	8261			56.58- 156.58	161.79
27 Chloroethane						CAS #: 75-00-3	
8.356	8.356 (0.595)	64	2999	0.50000	0.3853	50.00- 150.00	100.00(a)
0.000	1.000 (0.000)	49	0			0.00- 92.66	0.00
0.000	1.000 (0.000)	66	0			0.00- 80.63	0.00
31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
8.881	8.881 (0.632)	101	30509	0.50000	0.4094	50.00- 150.00	100.00(a)
8.909	8.909 (0.634)	103	21898			16.66- 116.66	71.78
42 Freon 113						CAS #: 76-13-1	
10.070	10.070 (0.717)	151	19205	0.50000	0.3868	50.00- 150.00	100.00(a)
10.042	10.042 (0.715)	153	12526			13.91- 113.91	65.22
10.070	10.070 (0.717)	101	24382			73.70- 173.70	126.96
43 1,1-Dichloroethene						CAS #: 75-35-4	
10.153	10.153 (0.723)	61	23997	0.50000	0.3915	50.00- 150.00	100.00(a)
10.181	10.181 (0.725)	96	13292			0.00- 98.69	55.39
10.153	10.153 (0.723)	98	7647			0.00- 79.87	31.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.678 (0.760)	76	38759	0.50000	0.5195	50.00- 150.00	100.00
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.799)	49	24705	0.50000	0.5211	50.00- 150.00	100.00
11.259	11.259 (0.801)	84	12455			0.00- 98.27	50.41
11.231	11.231 (0.799)	51	7732			0.00- 79.91	31.30
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	32735	0.50000	0.3619	50.00- 150.00	100.00(a)
11.563	11.563 (0.823)	57	9361			0.00- 76.80	28.60
11.591	11.591 (0.825)	41	15978			0.00- 85.57	48.81
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	11501	0.50000	0.3690	50.00- 150.00	100.00(a)
11.674	11.674 (0.831)	61	19241			129.28- 229.28	167.30
11.674	11.674 (0.831)	98	7177			14.30- 114.30	62.40
65 Hexane					CAS #: 110-54-3		
12.005	12.005 (0.854)	57	23367	0.50000	0.3794	50.00- 150.00	100.00(a)
12.033	12.033 (0.856)	43	17509			26.89- 126.89	74.93
12.033	12.033 (0.856)	86	1980			0.00- 61.23	8.47
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	23706	0.50000	0.3449	50.00- 150.00	100.00(a)
12.531	12.531 (0.892)	65	8075			0.00- 81.04	34.06
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	4519	0.50000	0.3015	50.00- 150.00	100.00(a)
13.554	13.554 (0.965)	43	31763			633.81- 733.81	702.88
13.582	13.582 (0.967)	57	2229			0.00- 95.87	49.33
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	19186	0.50000	0.3436	50.00- 150.00	100.00(a)
13.582	13.582 (0.967)	96	11189			10.72- 110.72	58.32
13.582	13.582 (0.967)	98	6665			0.00- 88.02	34.74
80 Tetrahydrofuran					CAS #: 109-99-9		
14.052	14.052 (1.000)	42	17432	0.50000	0.3209	50.00- 150.00	100.00(a)
14.024	14.024 (0.998)	71	4955			0.00- 76.84	28.42
14.052	14.052 (1.000)	72	4978			0.00- 77.09	28.56
82 Chloroform					CAS #: 67-66-3		
14.135	14.135 (1.006)	83	23671	0.50000	0.3581	50.00- 150.00	100.00(a)
14.107	14.107 (1.004)	85	15200			12.52- 112.52	64.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	20944	0.50000	0.3473	50.00- 150.00	100.00(a)
14.494	14.494 (1.031)	99	13240			13.87- 113.87	63.22
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	12651	0.50000	0.3676	50.00- 150.00	100.00(a)
14.494	14.494 (1.031)	56	19617			105.19- 205.19	155.06
14.494	14.494 (1.031)	41	12445			54.33- 154.33	98.37
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	21032	0.50000	0.3525	50.00- 150.00	100.00(a)
14.743	14.743 (1.049)	117	22439			53.90- 153.90	106.69
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	32099	0.50000	0.3567	50.00- 150.00	100.00(a)
15.158	15.158 (0.958)	77	7687			0.00- 72.75	23.95
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	63435	0.50000	0.3555	50.00- 150.00	100.00(a)
15.047	15.047 (1.071)	56	22838			0.00- 83.72	36.00
15.075	15.075 (1.073)	41	21235			0.00- 83.32	33.48
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	20347	0.50000	0.3687	50.00- 150.00	100.00(a)
15.268	15.268 (0.965)	64	6032			0.00- 80.45	29.65
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	10428	0.50000	0.3634	50.00- 150.00	100.00(a)
15.379	15.379 (0.972)	43	27104			223.93- 323.93	259.92
15.379	15.379 (0.972)	57	11155			70.43- 170.43	106.97
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	13447	0.50000	0.3292	50.00- 150.00	100.00(a)
16.291	16.291 (1.030)	130	13690			50.64- 150.64	101.81
16.291	16.291 (1.030)	97	9781			16.00- 116.00	72.74
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	12165	0.50000	0.3381	50.00- 150.00	100.00(a)
16.761	16.761 (1.059)	62	8932			23.77- 123.77	73.42
16.761	16.761 (1.059)	41	14877			42.00- 142.00	122.29
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	22328	0.50000	0.3127	50.00- 150.00	100.00(a)
17.204	17.204 (1.087)	85	13902			12.45- 112.45	62.26
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	17258	0.50000	0.3220	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
110 cis-1,3-Dichloropropene (continued)							
17.978	17.978 (1.136)	77	5585			0.00- 82.24	32.36
17.978	17.978 (1.136)	39	16084			34.92- 134.92	93.20
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	8078	0.50000	0.2543	50.00- 150.00	100.00(a)
18.171	18.171 (1.149)	43	26521			265.62- 365.62	328.31
18.171	18.171 (1.149)	85	2735			0.00- 85.05	33.86
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	32418	0.50000	0.3218	50.00- 150.00	100.00(a)
18.558	18.558 (1.173)	92	19959			11.91- 111.91	61.57
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	14834	0.50000	0.3134	50.00- 150.00	100.00(a)
18.973	18.973 (0.903)	77	5964			0.00- 83.39	40.20
18.973	18.973 (0.903)	39	16381			32.13- 132.13	110.43
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	10844	0.50000	0.3363	50.00- 150.00	100.00(a)
19.333	19.333 (0.920)	99	8218			14.76- 114.76	75.78
19.333	19.333 (0.920)	83	9462			35.56- 135.56	87.26
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	15513	0.50000	0.3590	50.00- 150.00	100.00(a)
19.498	19.498 (0.928)	129	11898			25.51- 125.51	76.70
19.498	19.498 (0.928)	131	10823			21.35- 121.35	69.77
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	15928	0.50000	0.2892	50.00- 150.00	100.00(a)
20.024	20.024 (0.953)	127	13937			29.86- 129.86	87.50
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	15319	0.50000	0.3241	50.00- 150.00	100.00(a)
20.273	20.273 (0.964)	109	14274			43.91- 143.91	93.18
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	24561	0.50000	0.3704	50.00- 150.00	100.00(a)
21.075	21.075 (1.003)	114	8613			0.00- 83.09	35.07
21.075	21.075 (1.003)	77	27746			23.53- 123.53	112.97
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	11289	0.50000	0.3484	50.00- 150.00	100.00(a)
21.157	21.157 (1.007)	91	36907			273.41- 373.41	326.93
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	28708	1.00000	0.7469	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene (continued)							
21.351	21.351 (1.016)	91	57462			150.37- 250.37	200.16
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	13354	0.50000	0.3869	50.00- 150.00	100.00(a)
22.070	22.070 (1.050)	91	25619			159.32- 259.32	191.85
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	15181	0.50000	0.2985	50.00- 150.00	100.00(a)
22.098	22.098 (1.051)	78	9519			7.91- 107.91	62.70
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	11128	0.50000	0.2842	50.00- 150.00	100.00(a)
22.512	22.512 (1.071)	171	5595			1.17- 101.17	50.28
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	37227	0.50000	0.3781	50.00- 150.00	100.00(a)
22.651	22.651 (1.078)	120	9477			0.00- 75.76	25.46
22.651	22.651 (1.078)	51	7463			0.00- 67.97	20.05
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	14852	0.50000	0.3405	50.00- 150.00	100.00(a)
23.231	23.231 (1.105)	85	9956			13.15- 113.15	67.03
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	43374	0.50000	0.3856	50.00- 150.00	100.00(a)
23.342	23.342 (1.110)	120	10139			0.00- 72.76	23.38
23.342	23.342 (1.110)	105	2624			0.00- 54.33	6.05
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	34397	0.50000	0.3824	50.00- 150.00	100.00(a)
23.508	23.508 (1.118)	120	10469			0.00- 80.08	30.44
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	27599	0.50000	0.4112	50.00- 150.00	100.00(a)
23.618	23.618 (1.124)	120	13933			0.00- 99.50	50.48
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	24830	0.50000	0.4028	50.00- 150.00	100.00(a)
24.254	24.254 (1.154)	120	11520			0.00- 95.95	46.40
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	14232	0.50000	0.3648	50.00- 150.00	100.00(a)
24.807	24.807 (1.180)	148	10080			15.26- 115.26	70.83
24.807	24.807 (1.180)	111	6538			0.00- 92.21	45.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	15357	0.50000	0.3996	50.00- 150.00	100.00(a)
24.973	24.973 (1.188)	148	10532			15.51- 115.51	68.58
24.973	24.973 (1.188)	111	5993			0.00- 88.70	39.02
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	22825	0.50000	0.3997	50.00- 150.00	100.00(a)
25.167	25.167 (1.197)	126	5093			0.00- 70.08	22.31
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	13932	0.50000	0.4133	50.00- 150.00	100.00(a)
25.609	25.609 (1.218)	148	10404			16.91- 116.91	74.68
25.609	25.609 (1.218)	111	5979			0.00- 92.36	42.92
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	14284	0.50000	0.3284	50.00- 150.00	100.00(a)
16.568	16.568 (1.179)	98	6456			0.00- 93.56	45.20
16.540	16.540 (1.177)	55	18703			63.60- 163.60	130.94

QC Flag Legend

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

Report Date: 06-Dec-2006 12:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120513.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	569460	-4.30
97 1,4-Difluorobenze	2448866	1469320	3428412	2363646	-3.48
126 Chlorobenzene-d5	1654981	992989	2316973	1455286	-12.07

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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/05Dec2006.b/t120513.d

Date : 05-DEC-2006 16:07

Client ID: Level 2

Sample Info: 0.5mL #1408-195

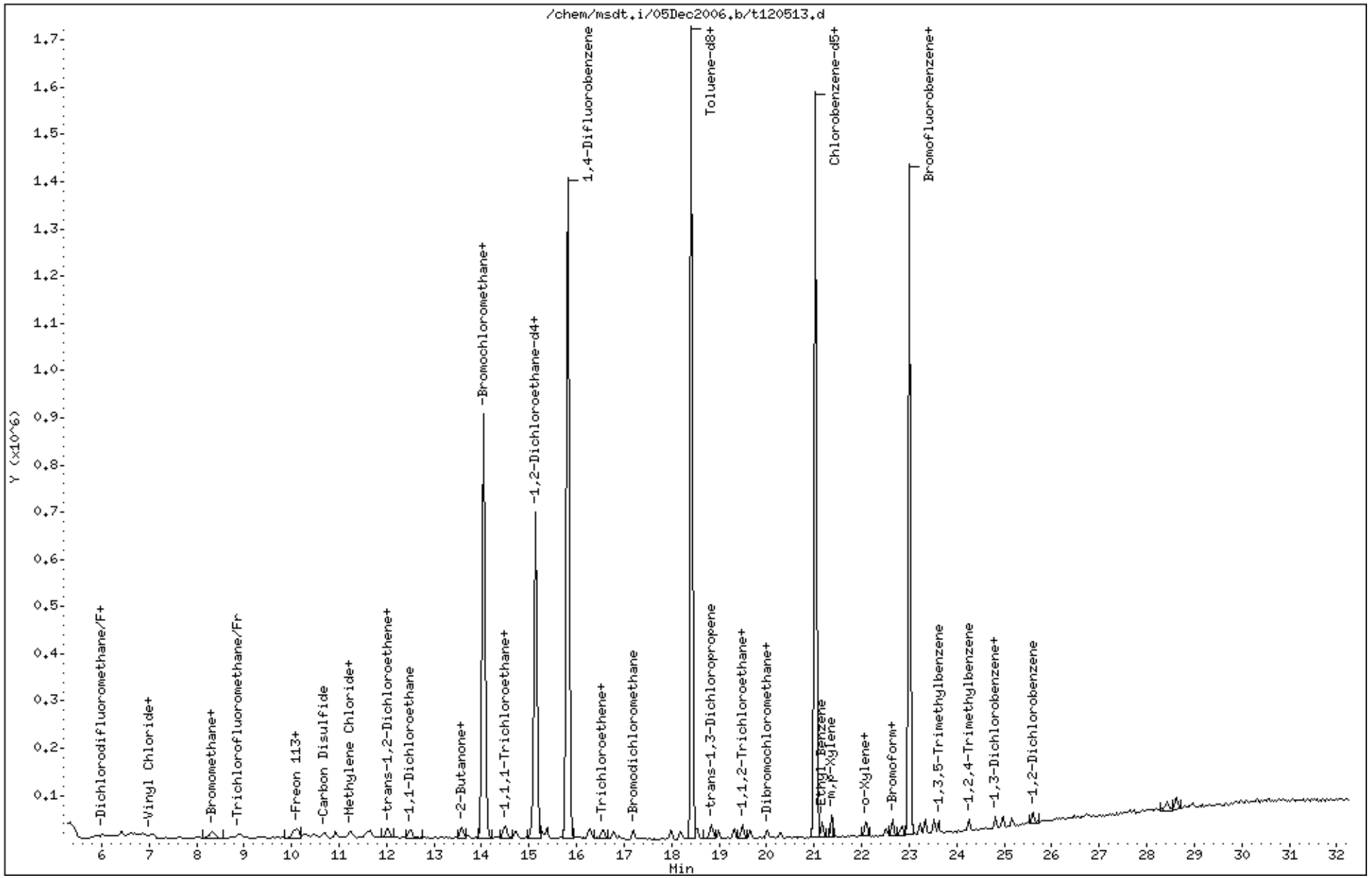
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0100



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/07Dec2006.b/t120702.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 07-DEC-2006 09:26
Operator : sjr Inst ID: msdt.i
Smp Info : 2mL #1408-160
Misc Info : 2ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Meth Date : 07-Dec-2006 11:25 ctaylor Quant Type: ISTD
Cal Date : 07-DEC-2006 09:26 Cal File: t120702.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	521040	25.0000		50.00- 150.00		100.00
14.052	14.052 (1.000)	128	402076			27.56- 127.56		77.17
14.052	14.052 (1.000)	49	1101786			203.58- 303.58		211.46
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2154249	25.0000		50.00- 150.00		100.00
15.821	15.821 (1.000)	88	338046			0.00- 65.69		15.69
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1318802	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	766162			6.78- 106.78		58.10
57 tert-Butyl-Alcohol					CAS #: 75-65-0			
11.287	11.287 (0.803)	59	179184	2.00000	2.000	50.00- 150.00		100.00
11.287	11.287 (0.803)	41	53311			0.00- 79.75		29.75
11.287	11.287 (0.803)	57	20506			0.00- 61.44		11.44
68 Isopropyl ether					CAS #: 108-20-3			
12.420	12.420 (0.884)	45	283048	2.00000	2.000	50.00- 150.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether (continued)							
12.420	12.420 (0.884)	87	42167			0.00- 64.90	14.90
12.420	12.420 (0.884)	59	24115			0.00- 58.52	8.52
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.084	13.084 (0.931)	59	212770	2.00000	2.000	50.00- 150.00	100.00
13.084	13.084 (0.931)	87	62738			0.00- 79.49	29.49
13.084	13.084 (0.931)	41	52236			0.00- 74.55	24.55
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.081)	73	150501	2.00000	2.000	50.00- 150.00	100.00
15.213	15.213 (1.083)	87	38064			0.00- 75.29	25.29
15.185	15.185 (1.081)	55	52877			0.00- 85.13	35.13
77 Ethyl Acetate					CAS #: 141-78-6		
13.554	13.554 (0.965)	45	33169	2.00000	2.000	50.00- 150.00	100.00
13.554	13.554 (0.965)	61	19650			9.24- 109.24	59.24
13.554	13.554 (0.965)	43	212653			591.12- 691.12	641.12

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120702.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/07Dec2006.b/t14qd05b.m
Misc Info: 2ppbv (200ppbv)

Calibration Date: 07-DEC-2006
Calibration Time: 10:10
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	522740	313644	731836	521040	-0.33
97 1,4-Difluorobenze	2170302	1302181	3038423	2154249	-0.74
126 Chlorobenzene-d5	1395471	837283	1953659	1318802	-5.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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/07Dec2006.b/t120702.d

Date : 07-DEC-2006 09:26

Client ID: Level 3

Sample Info: 2mL #1408-160

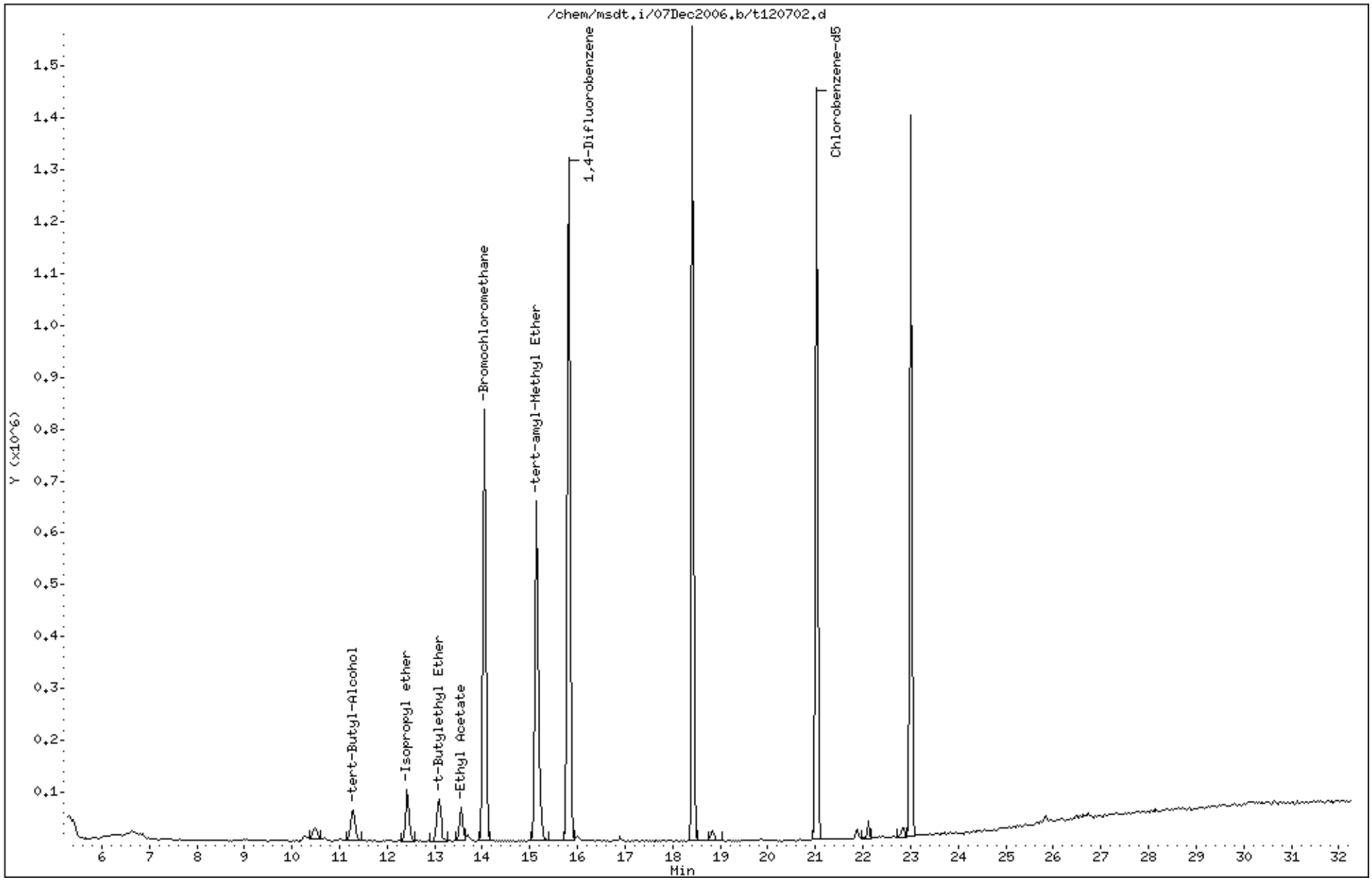
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0104



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120514.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 05-DEC-2006 16:46
Operator : srs Inst ID: msdt.i
Smp Info : 2.0mL #1408-195
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 16:46 Cal File: t120514.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	557557	25.0000		50.00- 150.00		100.00
14.052	14.052 (1.000)	128	431744			27.60- 127.60		77.43
14.052	14.052 (1.000)	49	1173854			203.42- 303.42		210.54
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2336107	25.0000		50.00- 150.00		100.00
15.793	15.793 (1.000)	88	368385			0.00- 65.71		15.77
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1400142	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	801532			6.64- 106.64		57.25
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
15.130	15.130 (1.077)	65	1027057	25.0000	24.855	50.00- 150.00		100.00
15.130	15.130 (1.077)	67	485645			0.94- 100.94		47.29
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.420	18.420 (1.164)	98	2049815	25.0000	24.271	50.00- 150.00		100.00
18.420	18.420 (1.164)	70	233751			0.00- 61.57		11.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1380273			17.69- 117.69	67.34
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	637393	25.0000	24.420	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	785925			74.10- 174.10	123.30
23.010	23.010 (1.095)	176	621012			47.18- 147.18	97.43
11 Propylene					CAS #: 115-07-1		
5.895	5.895 (0.420)	41	42254	2.00000	2.007	50.00- 150.00	100.00
5.895	5.895 (0.420)	42	27408			15.37- 115.37	64.86
5.895	5.895 (0.420)	39	33983			29.72- 129.72	80.43
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.978	5.978 (0.425)	85	81737	2.00000	1.839	50.00- 150.00	100.00
5.978	5.978 (0.425)	87	25711			0.00- 81.72	31.46
16 Freon 114					CAS #: 76-14-2		
6.420	6.420 (0.457)	135	40366	2.00000	1.648	50.00- 150.00	100.00
6.393	6.393 (0.455)	137	10970			0.00- 80.76	27.18
18 Chloromethane					CAS #: 74-87-3		
6.641	6.641 (0.473)	50	32529	2.00000	1.816	50.00- 150.00	100.00(a)
6.614	6.614 (0.471)	52	15504			0.00- 86.11	47.66
20 Vinyl Chloride					CAS #: 75-01-4		
6.973	6.973 (0.496)	62	31628	2.00000	1.798	50.00- 150.00	100.00
6.973	6.973 (0.496)	64	13147			0.00- 87.67	41.57
22 1,3-Butadiene					CAS #: 106-99-0		
7.029	7.029 (0.500)	54	47820	2.00000	2.041	50.00- 150.00	100.00
7.056	7.056 (0.502)	39	54672			74.46- 174.46	114.33
25 Bromomethane					CAS #: 74-83-9		
8.024	8.024 (0.571)	94	24679	2.00000	1.849	50.00- 150.00	100.00
8.024	8.024 (0.571)	96	21842			56.58- 156.58	88.50
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	13747	2.00000	1.804	50.00- 150.00	100.00
8.300	8.300 (0.591)	49	6492			0.00- 92.66	47.22
8.300	8.300 (0.591)	66	4223			0.00- 80.63	30.72
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.881	8.881 (0.632)	101	145363	2.00000	1.992	50.00- 150.00	100.00
8.909	8.909 (0.634)	103	98309			16.66- 116.66	67.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.323	9.323 (0.664)	45	37009	2.00000	2.309	50.00- 150.00	100.00
9.351	9.351 (0.665)	43	9885			0.00- 73.15	26.71
9.323	9.323 (0.664)	46	12185			0.00- 85.75	32.92
42 Freon 113					CAS #: 76-13-1		
10.042	10.042 (0.715)	151	94898	2.00000	1.952	50.00- 150.00	100.00
10.042	10.042 (0.715)	153	58380			13.91- 113.91	61.52
10.042	10.042 (0.715)	101	114483			73.70- 173.70	120.64
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.125	10.125 (0.721)	61	116601	2.00000	1.943	50.00- 150.00	100.00
10.125	10.125 (0.721)	96	56419			0.00- 98.69	48.39
10.125	10.125 (0.721)	98	34155			0.00- 79.87	29.29
45 Acetone					CAS #: 67-64-1		
10.264	10.264 (0.730)	58	36174	2.00000	1.911	50.00- 150.00	100.00(a)
10.264	10.264 (0.730)	43	159280			391.57- 491.57	440.32
46 2-Propanol					CAS #: 67-63-0		
10.457	10.457 (0.744)	45	132937	2.00000	1.645	50.00- 150.00	100.00(a)
10.457	10.457 (0.744)	43	30613			0.00- 71.85	23.03
10.457	10.457 (0.744)	59	5164			0.00- 53.30	3.88
47 Carbon Disulfide					CAS #: 75-15-0		
10.651	10.651 (0.758)	76	147056	2.00000	2.013	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	25472	2.00000	1.735	50.00- 150.00	100.00
10.927	10.927 (0.778)	41	120572			409.83- 509.83	473.35
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.799)	49	100095	2.00000	2.156	50.00- 150.00	100.00
11.231	11.231 (0.799)	84	45741			0.00- 98.27	45.70
11.231	11.231 (0.799)	51	30392			0.00- 79.91	30.36
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	169024	2.00000	1.908	50.00- 150.00	100.00
11.563	11.563 (0.823)	57	41768			0.00- 76.80	24.71
11.591	11.591 (0.825)	41	53114			0.00- 85.57	31.42
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	55727	2.00000	1.826	50.00- 150.00	100.00
11.674	11.674 (0.831)	61	105201			129.28- 229.28	188.78
11.674	11.674 (0.831)	98	38935			14.30- 114.30	69.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.005	12.005 (0.854)	57	109001	2.00000	1.808	50.00- 150.00	100.00
12.005	12.005 (0.854)	43	88695			26.89- 126.89	81.37
12.005	12.005 (0.854)	86	13849			0.00- 61.23	12.71
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	12973	2.00000	1.755	50.00- 150.00	100.00(a)
12.476	12.476 (0.888)	43	216410			1782.11-1882.11	1668.16
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.503	12.503 (0.890)	63	128988	2.00000	1.916	50.00- 150.00	100.00
12.503	12.503 (0.890)	65	39612			0.00- 81.04	30.71
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	24692	2.00000	1.683	50.00- 150.00	100.00
13.554	13.554 (0.965)	43	172827			633.81- 733.81	699.93
13.554	13.554 (0.965)	57	11720			0.00- 95.87	47.46
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	100835	2.00000	1.844	50.00- 150.00	100.00
13.582	13.582 (0.967)	96	65051			10.72- 110.72	64.51
13.582	13.582 (0.967)	98	39806			0.00- 88.02	39.48
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (0.998)	42	97612	2.00000	1.835	50.00- 150.00	100.00
14.024	14.024 (0.998)	71	24450			0.00- 76.84	25.05
14.024	14.024 (0.998)	72	23126			0.00- 77.09	23.69
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	133811	2.00000	2.068	50.00- 150.00	100.00
14.107	14.107 (1.004)	85	81978			12.52- 112.52	61.26
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	115054	2.00000	1.948	50.00- 150.00	100.00
14.466	14.466 (1.030)	99	73561			13.87- 113.87	63.94
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	62224	2.00000	1.846	50.00- 150.00	100.00
14.494	14.494 (1.031)	56	98325			105.19- 205.19	158.02
14.494	14.494 (1.031)	41	66960			54.33- 154.33	107.61
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	115147	2.00000	1.971	50.00- 150.00	100.00
14.743	14.743 (1.049)	117	117108			53.90- 153.90	101.70
91 Benzene					CAS #: 71-43-2		
15.130	15.130 (0.956)	78	168896	2.00000	1.899	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.130	15.130 (0.956)	77	36036			0.00- 72.75	21.34
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	334175	2.00000	1.913	50.00- 150.00	100.00
15.075	15.075 (1.073)	56	107899			0.00- 83.72	32.29
15.047	15.047 (1.071)	41	112442			0.00- 83.32	33.65
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	105955	2.00000	1.942	50.00- 150.00	100.00
15.268	15.268 (0.965)	64	32659			0.00- 80.45	30.82
94 Heptane					CAS #: 142-82-5		
15.351	15.351 (0.970)	71	52139	2.00000	1.838	50.00- 150.00	100.00
15.351	15.351 (0.970)	43	149714			223.93- 323.93	287.14
15.379	15.379 (0.972)	57	65457			70.43- 170.43	125.54
101 Trichloroethene					CAS #: 79-01-6		
16.264	16.264 (1.028)	95	77035	2.00000	1.908	50.00- 150.00	100.00
16.291	16.291 (1.030)	130	78676			50.64- 150.64	102.13
16.264	16.264 (1.028)	97	49378			16.00- 116.00	64.10
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	65492	2.00000	1.842	50.00- 150.00	100.00
16.761	16.761 (1.059)	62	48651			23.77- 123.77	74.29
16.761	16.761 (1.059)	41	58911			42.00- 142.00	89.95
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.899 (1.068)	88	37339	2.00000	1.680	50.00- 150.00	100.00(a)
16.899	16.899 (1.068)	58	31512			33.55- 133.55	84.39
16.899	16.899 (1.068)	57	12563			0.00- 81.45	33.65
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	130186	2.00000	1.845	50.00- 150.00	100.00
17.204	17.204 (1.087)	85	81438			12.45- 112.45	62.56
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	93187	2.00000	1.759	50.00- 150.00	100.00
17.978	17.978 (1.136)	77	31381			0.00- 82.24	33.68
17.978	17.978 (1.136)	39	78935			34.92- 134.92	84.71
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	50370	2.00000	1.605	50.00- 150.00	100.00
18.171	18.171 (1.149)	43	158034			265.62- 365.62	313.75
18.171	18.171 (1.149)	85	19401			0.00- 85.05	38.52

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	182836	2.00000	1.836	50.00- 150.00	100.00
18.531	18.531 (1.171)	92	119011			11.91- 111.91	65.09
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	95351	2.00000	2.094	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	30909			0.00- 83.39	32.42
18.973	18.973 (0.903)	39	70638			32.13- 132.13	74.08
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	64410	2.00000	2.076	50.00- 150.00	100.00
19.333	19.333 (0.920)	99	38150			14.76- 114.76	59.23
19.333	19.333 (0.920)	83	54747			35.56- 135.56	85.00
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	87236	2.00000	2.098	50.00- 150.00	100.00
19.498	19.498 (0.928)	129	68828			25.51- 125.51	78.90
19.498	19.498 (0.928)	131	63415			21.35- 121.35	72.69
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	57373	2.00000	1.447	50.00- 150.00	100.00(a)
19.637	19.637 (0.934)	43	137892			179.26- 279.26	240.34
19.664	19.664 (0.936)	100	9164			0.00- 65.02	15.97
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	100231	2.00000	1.891	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	80670			29.86- 129.86	80.48
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	87767	2.00000	1.930	50.00- 150.00	100.00
20.273	20.273 (0.964)	109	81772			43.91- 143.91	93.17
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	127321	2.00000	1.996	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	42491			0.00- 83.09	33.37
21.075	21.075 (1.003)	77	89985			23.53- 123.53	70.68
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	61298	2.00000	1.966	50.00- 150.00	100.00
21.157	21.157 (1.007)	91	203025			273.41- 373.41	331.21
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	155637	4.00000	4.208	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	300063			150.37- 250.37	192.80
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	66077	2.00000	1.990	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	144755			159.32- 259.32	219.07
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	94896	2.00000	1.939	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	52708			7.91- 107.91	55.54
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	64881	2.00000	1.722	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	33576			1.17- 101.17	51.75
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	200407	2.00000	2.116	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	50181			0.00- 75.76	25.04
22.651	22.651 (1.078)	51	27876			0.00- 67.97	13.91
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	81309	2.00000	1.937	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	49645			13.15- 113.15	61.06
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	223756	2.00000	2.068	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	49925			0.00- 72.76	22.31
23.342	23.342 (1.110)	105	9720			0.00- 54.33	4.34
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	171318	2.00000	1.980	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	51435			0.00- 80.08	30.02
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	131804	2.00000	2.041	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	64671			0.00- 99.50	49.07
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	125838	2.00000	2.122	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	55163			0.00- 95.95	43.84
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	78445	2.00000	2.090	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	50247			15.26- 115.26	64.05
24.807	24.807 (1.180)	111	34165			0.00- 92.21	43.55
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	72926	2.00000	1.972	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	50118			15.51- 115.51	68.72
24.973	24.973 (1.188)	111	28410			0.00- 88.70	38.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	102546	2.00000	1.866	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	19241			0.00- 70.08	18.76
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	65220	2.00000	2.011	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	44216			16.91- 116.91	67.80
25.609	25.609 (1.218)	111	28136			0.00- 92.36	43.14
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	25027	2.00000	1.490	50.00- 150.00	100.00(a)
28.429	28.429 (1.353)	182	21281			40.88- 140.88	85.03
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	23201	2.00000	1.660	50.00- 150.00	100.00(a)
28.623	28.623 (1.362)	223	16140			14.66- 114.66	69.57
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	33342	1.00000	0.7266	50.00- 150.00	100.00(a)
28.955	28.955 (1.378)	127	4243			0.00- 62.82	12.73
29 Isopentane					CAS #: 78-78-4		
8.300	8.300 (0.591)	43	107545	2.00000	1.882	50.00- 150.00	100.00(a)
8.300	8.300 (0.591)	57	63223			8.33- 108.33	58.79
19 Butane					CAS #: 106-97-8		
6.890	6.890 (0.490)	58	8623	2.00000	1.895	50.00- 150.00	100.00(a)
6.890	6.890 (0.490)	43	80759			910.72-1010.72	936.55
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.540	16.540 (1.177)	83	81658	2.00000	1.918	50.00- 150.00	100.00
16.540	16.540 (1.177)	98	35600			0.00- 93.56	43.60
16.540	16.540 (1.177)	55	89764			63.60- 163.60	109.93

QC Flag Legend

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

Report Date: 06-Dec-2006 12:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120514.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	557557	-6.30
97 1,4-Difluorobenze	2448866	1469320	3428412	2336107	-4.60
126 Chlorobenzene-d5	1654981	992989	2316973	1400142	-15.40

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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/05Dec2006.b/t120514.d

Date : 05-DEC-2006 16:46

Client ID: Level 3

Sample Info: 2.0mL #1408-195

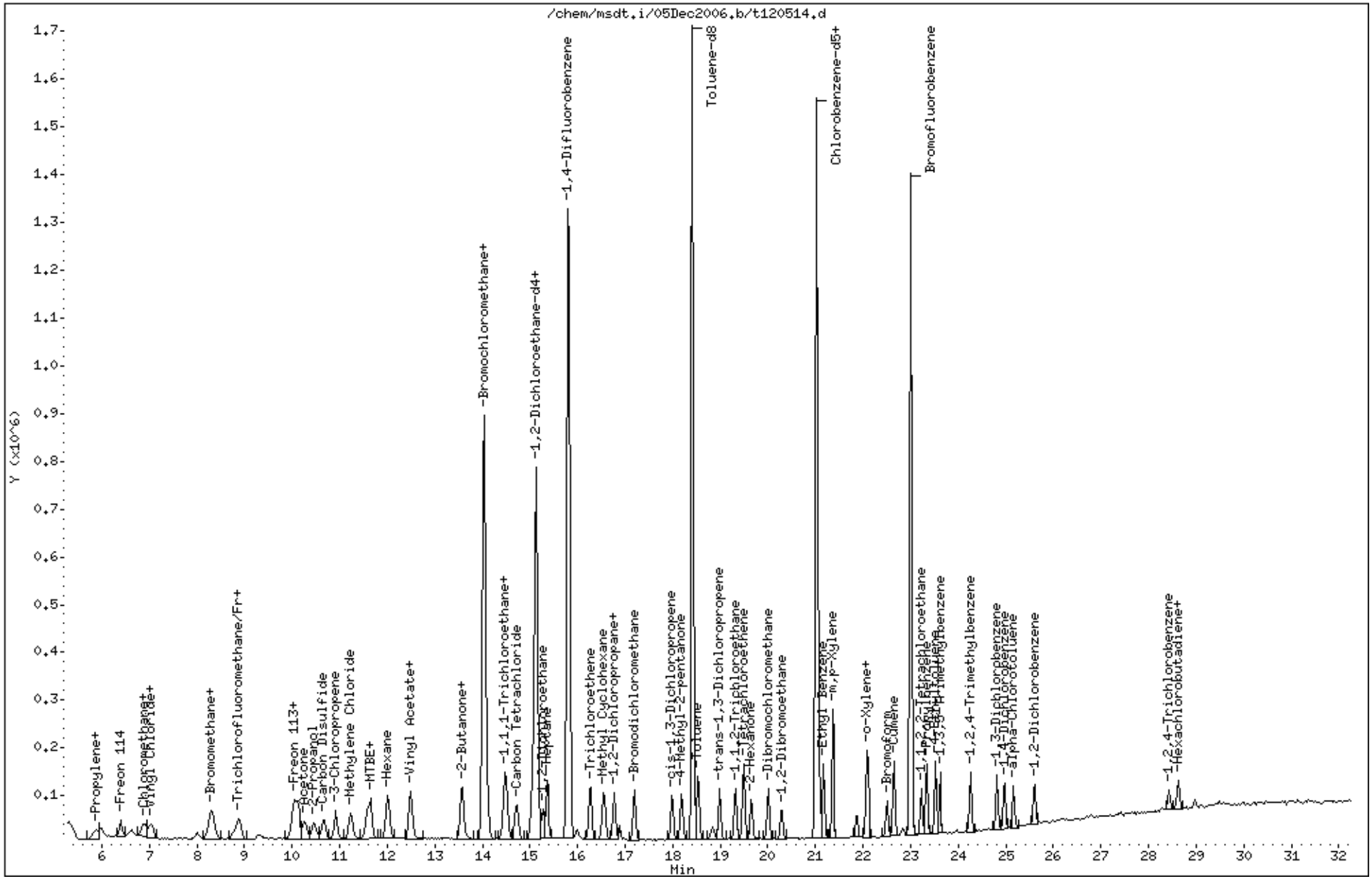
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0114



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120515.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 05-DEC-2006 17:24
Operator : srs Inst ID: msdt.i
Smp Info : 25mL #1408-195
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 17:24 Cal File: t120515.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	577124	25.0000		50.00- 150.00		100.00
14.052	14.052 (1.000)	128	455433			27.60- 127.60		78.91
14.052	14.052 (1.000)	49	1441949			203.42- 303.42		249.85
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2396544	25.0000		50.00- 150.00		100.00
15.821	15.821 (1.000)	88	378401			0.00- 65.71		15.79
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1682999	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	952089			6.64- 106.64		56.57
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
15.130	15.130 (1.077)	65	1070088	25.0000	25.019	50.00- 150.00		100.00
15.130	15.130 (1.077)	67	537189			0.94- 100.94		50.20
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.420	18.420 (1.164)	98	2212764	25.0000	25.540	50.00- 150.00		100.00
18.420	18.420 (1.164)	70	261805			0.00- 61.57		11.83

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1506909			17.69- 117.69	68.10
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	776324	25.0000	24.744	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	963154			74.10- 174.10	124.07
23.010	23.010 (1.095)	176	759624			47.18- 147.18	97.85
11 Propylene					CAS #: 115-07-1		
5.867	5.867 (0.418)	41	631740	25.0000	28.993	50.00- 150.00	100.00
5.867	5.867 (0.418)	42	408729			15.37- 115.37	64.70
5.895	5.895 (0.420)	39	498901			29.72- 129.72	78.97
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
6.006	6.006 (0.427)	85	1334458	25.0000	29.012	50.00- 150.00	100.00
6.006	6.006 (0.427)	87	431261			0.00- 81.72	32.32
16 Freon 114					CAS #: 76-14-2		
6.393	6.393 (0.455)	135	939755	25.0000	37.067	50.00- 150.00	100.00
6.420	6.420 (0.457)	137	303174			0.00- 80.76	32.26
18 Chloromethane					CAS #: 74-87-3		
6.641	6.641 (0.473)	50	554150	25.0000	29.895	50.00- 150.00	100.00
6.641	6.641 (0.473)	52	182548			0.00- 86.11	32.94
20 Vinyl Chloride					CAS #: 75-01-4		
7.001	7.001 (0.498)	62	531207	25.0000	29.170	50.00- 150.00	100.00
7.001	7.001 (0.498)	64	164515			0.00- 87.67	30.97
22 1,3-Butadiene					CAS #: 106-99-0		
7.029	7.029 (0.500)	54	762718	25.0000	31.451	50.00- 150.00	100.00
7.029	7.029 (0.500)	39	910311			74.46- 174.46	119.35
25 Bromomethane					CAS #: 74-83-9		
8.024	8.024 (0.571)	94	417339	25.0000	30.212	50.00- 150.00	100.00
8.052	8.052 (0.573)	96	403561			56.58- 156.58	96.70
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	227981	25.0000	28.903	50.00- 150.00	100.00
8.328	8.328 (0.593)	49	94242			0.00- 92.66	41.34
8.328	8.328 (0.593)	66	70542			0.00- 80.63	30.94
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.881	8.881 (0.632)	101	2403962	25.0000	31.832	50.00- 150.00	100.00
8.881	8.881 (0.632)	103	1566148			16.66- 116.66	65.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.323	9.323 (0.664)	45	467949	25.0000	28.206	50.00- 150.00	100.00
9.323	9.323 (0.664)	43	104671			0.00- 73.15	22.37
9.323	9.323 (0.664)	46	172473			0.00- 85.75	36.86
42 Freon 113					CAS #: 76-13-1		
10.070	10.070 (0.717)	151	1359071	25.0000	27.009	50.00- 150.00	100.00
10.070	10.070 (0.717)	153	882899			13.91- 113.91	64.96
10.042	10.042 (0.715)	101	1687187			73.70- 173.70	124.14
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.125	10.125 (0.721)	61	1799053	25.0000	28.959	50.00- 150.00	100.00
10.153	10.153 (0.723)	96	836371			0.00- 98.69	46.49
10.153	10.153 (0.723)	98	518357			0.00- 79.87	28.81
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	501647	25.0000	25.600	50.00- 150.00	100.00
10.291	10.291 (0.732)	43	2241061			391.57- 491.57	446.74
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	2217641	25.0000	26.510	50.00- 150.00	100.00
10.485	10.485 (0.746)	43	504413			0.00- 71.85	22.75
10.485	10.485 (0.746)	59	67869			0.00- 53.30	3.06
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.678 (0.760)	76	2240774	25.0000	29.637	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	392099	25.0000	25.801	50.00- 150.00	100.00
10.927	10.927 (0.778)	41	1808767			409.83- 509.83	461.30
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.799)	49	1492247	25.0000	31.057	50.00- 150.00	100.00
11.231	11.231 (0.799)	84	716020			0.00- 98.27	47.98
11.231	11.231 (0.799)	51	439249			0.00- 79.91	29.44
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	2502579	25.0000	27.300	50.00- 150.00	100.00
11.591	11.591 (0.825)	57	663183			0.00- 76.80	26.50
11.591	11.591 (0.825)	41	828103			0.00- 85.57	33.09
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	855914	25.0000	27.098	50.00- 150.00	100.00
11.674	11.674 (0.831)	61	1550950			129.28- 229.28	181.20
11.674	11.674 (0.831)	98	534375			14.30- 114.30	62.43

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	1672257	25.0000	26.791	50.00- 150.00	100.00
12.033	12.033 (0.856)	43	1279100			26.89- 126.89	76.49
12.033	12.033 (0.856)	86	195691			0.00- 61.23	11.70
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	189351	25.0000	24.745	50.00- 150.00	100.00
12.503	12.503 (0.890)	43	3592686			1782.11-1882.11	1897.37
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	1914998	25.0000	27.490	50.00- 150.00	100.00
12.531	12.531 (0.892)	65	567270			0.00- 81.04	29.62
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	411361	25.0000	27.081	50.00- 150.00	100.00
13.554	13.554 (0.965)	43	2824994			633.81- 733.81	686.74
13.554	13.554 (0.965)	57	185068			0.00- 95.87	44.99
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	1552449	25.0000	27.435	50.00- 150.00	100.00
13.582	13.582 (0.967)	96	930058			10.72- 110.72	59.91
13.582	13.582 (0.967)	98	597002			0.00- 88.02	38.46
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (0.998)	42	1523798	25.0000	27.676	50.00- 150.00	100.00
14.052	14.052 (1.000)	71	405725			0.00- 76.84	26.63
14.052	14.052 (1.000)	72	412624			0.00- 77.09	27.08
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	1960413	25.0000	29.264	50.00- 150.00	100.00
14.107	14.107 (1.004)	85	1239813			12.52- 112.52	63.24
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	1769272	25.0000	28.947	50.00- 150.00	100.00
14.466	14.466 (1.030)	99	1131201			13.87- 113.87	63.94
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	981922	25.0000	28.151	50.00- 150.00	100.00
14.494	14.494 (1.031)	56	1474583			105.19- 205.19	150.17
14.494	14.494 (1.031)	41	1027269			54.33- 154.33	104.62
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	1735448	25.0000	28.701	50.00- 150.00	100.00
14.743	14.743 (1.049)	117	1814687			53.90- 153.90	104.57
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	2597318	25.0000	28.464	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.158	15.158 (0.958)	77	599046			0.00- 72.75	23.06
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	4962619	25.0000	27.443	50.00- 150.00	100.00
15.075	15.075 (1.073)	56	1657274			0.00- 83.72	33.40
15.075	15.075 (1.073)	41	1682255			0.00- 83.32	33.90
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	1605569	25.0000	28.692	50.00- 150.00	100.00
15.268	15.268 (0.965)	64	487968			0.00- 80.45	30.39
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	793451	25.0000	27.269	50.00- 150.00	100.00
15.379	15.379 (0.972)	43	2197021			223.93- 323.93	276.89
15.379	15.379 (0.972)	57	986396			70.43- 170.43	124.32
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	1170656	25.0000	28.270	50.00- 150.00	100.00
16.291	16.291 (1.030)	130	1164679			50.64- 150.64	99.49
16.291	16.291 (1.030)	97	750141			16.00- 116.00	64.08
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	1013079	25.0000	27.768	50.00- 150.00	100.00
16.761	16.761 (1.059)	62	748369			23.77- 123.77	73.87
16.761	16.761 (1.059)	41	867944			42.00- 142.00	85.67
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.899 (1.068)	88	606448	25.0000	26.604	50.00- 150.00	100.00
16.899	16.899 (1.068)	58	499645			33.55- 133.55	82.39
16.899	16.899 (1.068)	57	187208			0.00- 81.45	30.87
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	2084503	25.0000	28.795	50.00- 150.00	100.00
17.204	17.204 (1.087)	85	1312194			12.45- 112.45	62.95
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	1536882	25.0000	28.278	50.00- 150.00	100.00
17.978	17.978 (1.136)	77	494267			0.00- 82.24	32.16
17.978	17.978 (1.136)	39	1292916			34.92- 134.92	84.13
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	923739	25.0000	28.686	50.00- 150.00	100.00
18.171	18.171 (1.149)	43	2916017			265.62- 365.62	315.68
18.171	18.171 (1.149)	85	318099			0.00- 85.05	34.44

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	2876690	25.0000	28.165	50.00- 150.00	100.00
18.531	18.531 (1.171)	92	1753126			11.91- 111.91	60.94
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	1512591	25.0000	27.638	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	480560			0.00- 83.39	31.77
18.973	18.973 (0.903)	39	1150606			32.13- 132.13	76.07
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1021889	25.0000	27.404	50.00- 150.00	100.00
19.333	19.333 (0.920)	99	642297			14.76- 114.76	62.85
19.333	19.333 (0.920)	83	864203			35.56- 135.56	84.57
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	1378378	25.0000	27.580	50.00- 150.00	100.00
19.498	19.498 (0.928)	129	1011755			25.51- 125.51	73.40
19.498	19.498 (0.928)	131	985173			21.35- 121.35	71.47
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	1228706	25.0000	25.788	50.00- 150.00	100.00
19.637	19.637 (0.934)	43	2800262			179.26- 279.26	227.90
19.637	19.637 (0.934)	100	181303			0.00- 65.02	14.76
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	1846452	25.0000	28.984	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	1429696			29.86- 129.86	77.43
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	1536919	25.0000	28.119	50.00- 150.00	100.00
20.300	20.300 (0.966)	109	1447415			43.91- 143.91	94.18
127 Chlorobenzene					CAS #: 108-90-7		
21.074	21.074 (1.003)	112	2065036	25.0000	26.928	50.00- 150.00	100.00
21.074	21.074 (1.003)	114	676211			0.00- 83.09	32.75
21.074	21.074 (1.003)	77	1272319			23.53- 123.53	61.61
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	1012930	25.0000	27.034	50.00- 150.00	100.00
21.157	21.157 (1.007)	91	3234565			273.41- 373.41	319.33
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	2451862	50.0000	55.157	50.00- 150.00	100.00
21.351	21.351 (1.016)	91	4890290			150.37- 250.37	199.45
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1051480	25.0000	26.346	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	2232030			159.32- 259.32	212.28
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	1659955	25.0000	28.221	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	871681			7.91- 107.91	52.51
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1292117	25.0000	28.531	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	668837			1.17- 101.17	51.76
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	3112477	25.0000	27.336	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	813476			0.00- 75.76	26.14
22.651	22.651 (1.078)	51	450950			0.00- 67.97	14.49
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	1338141	25.0000	26.527	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	848782			13.15- 113.15	63.43
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	3389506	25.0000	26.056	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	776989			0.00- 72.76	22.92
23.342	23.342 (1.110)	105	128152			0.00- 54.33	3.78
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	2702427	25.0000	25.978	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	810839			0.00- 80.08	30.00
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	2035120	25.0000	26.220	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	1004040			0.00- 99.50	49.34
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	1834986	25.0000	25.738	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	850832			0.00- 95.95	46.37
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	1185239	25.0000	26.274	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	751412			15.26- 115.26	63.40
24.807	24.807 (1.180)	111	476634			0.00- 92.21	40.21
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	1174889	25.0000	26.433	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	739792			15.51- 115.51	62.97
24.973	24.973 (1.188)	111	450659			0.00- 88.70	38.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	1724176	25.0000	26.106	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	341084			0.00- 70.08	19.78
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1022552	25.0000	26.232	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	648864			16.91- 116.91	63.46
25.609	25.609 (1.218)	111	422522			0.00- 92.36	41.32
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	480725	25.0000	23.815	50.00- 150.00	100.00
28.429	28.429 (1.353)	182	441312			40.88- 140.88	91.80
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	428028	25.0000	25.476	50.00- 150.00	100.00
28.623	28.623 (1.362)	223	262684			14.66- 114.66	61.37
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	628133	12.5000	11.388	50.00- 150.00	100.00
28.982	28.982 (1.379)	127	81526			0.00- 62.82	12.98
29 Isopentane					CAS #: 78-78-4		
8.328	8.328 (0.593)	43	1532859	25.0000	25.911	50.00- 150.00	100.00
8.328	8.328 (0.593)	57	885703			8.33- 108.33	57.78
19 Butane					CAS #: 106-97-8		
6.890	6.890 (0.490)	58	158675	25.0000	33.683	50.00- 150.00	100.00
6.890	6.890 (0.490)	43	1550787			910.72-1010.72	977.34
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	1239759	25.0000	28.129	50.00- 150.00	100.00
16.568	16.568 (1.179)	98	526598			0.00- 93.56	42.48
16.568	16.568 (1.179)	55	1356015			63.60- 163.60	109.38

Report Date: 06-Dec-2006 12:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120515.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	577124	-3.01
97 1,4-Difluorobenze	2448866	1469320	3428412	2396544	-2.14
126 Chlorobenzene-d5	1654981	992989	2316973	1682999	1.69

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

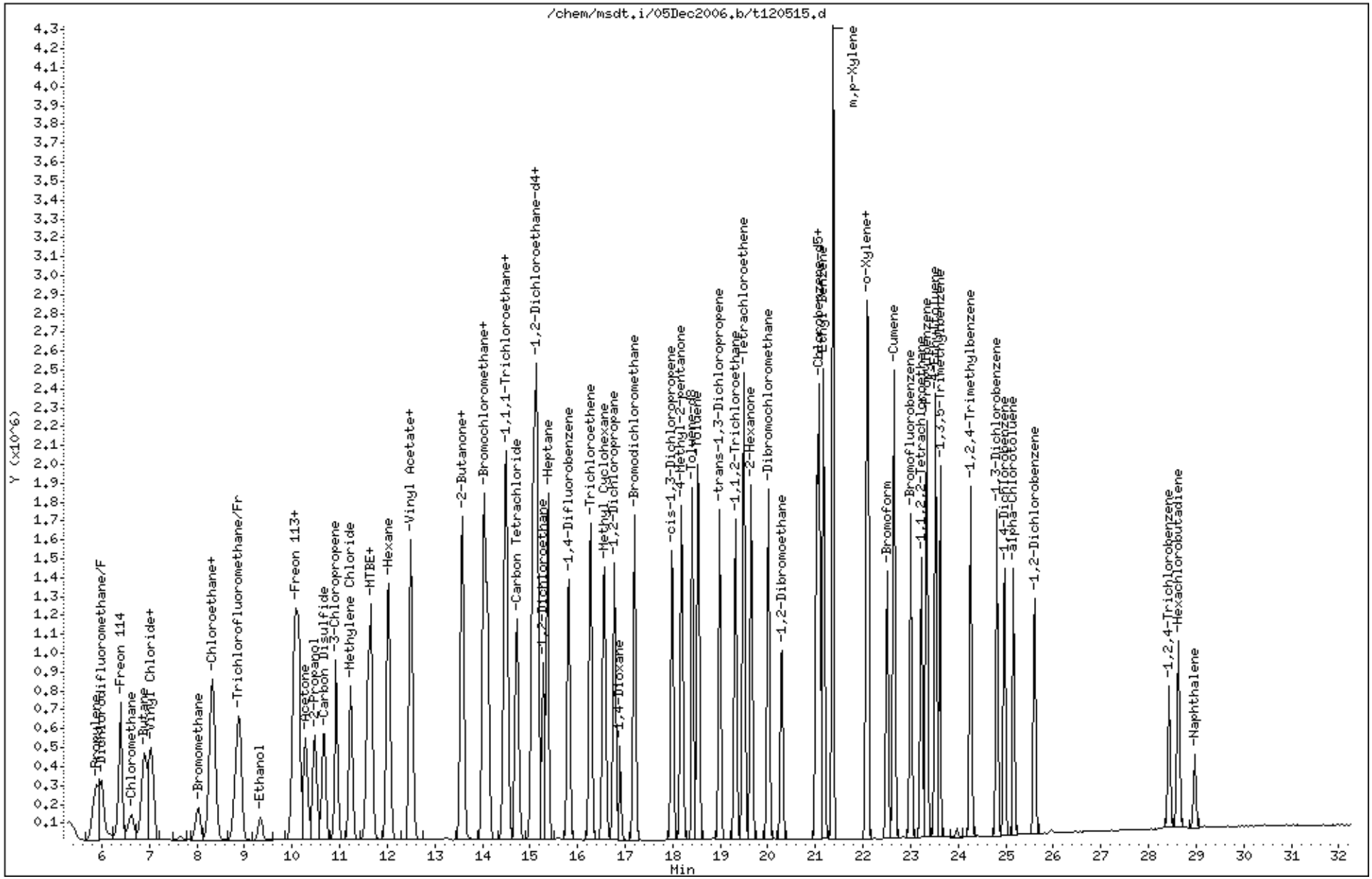
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0124

Data File: /chem/msdt.i/05Dec2006.b/t120515.d
Date : 05-DEC-2006 17:24
Client ID: Level 4
Sample Info: 25mL #1408-195

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/07Dec2006.b/t120703.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 07-DEC-2006 10:10
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1408-160
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Meth Date : 07-Dec-2006 11:25 ctaylor Quant Type: ISTD
Cal Date : 07-DEC-2006 10:10 Cal File: t120703.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	522740	25.0000		80.00- 120.00		100.00
14.052	14.052 (1.000)	128	418484			30.06- 130.06		80.06
14.052	14.052 (1.000)	49	1122978			164.83- 264.83		214.83
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2170302	25.0000		80.00- 120.00		100.00
15.821	15.821 (1.000)	88	346324			0.00- 65.96		15.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1395471	25.0000		80.00- 120.00		100.00
21.019	21.019 (1.000)	82	803700			6.96- 106.96		57.59
57 tert-Butyl-Alcohol					CAS #: 75-65-0			
11.287	11.287 (0.803)	59	4572910	50.0000	50.434	80.00- 120.00		100.00
11.287	11.287 (0.803)	41	1233017			0.00- 79.75		26.96
11.287	11.287 (0.803)	57	500286			0.00- 61.44		10.94
68 Isopropyl ether					CAS #: 108-20-3			
12.420	12.420 (0.884)	45	7392529	50.0000	51.012	80.00- 120.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether (continued)							
12.420	12.420 (0.884)	87	1137312			0.00- 65.14	15.38
12.420	12.420 (0.884)	59	645831			0.00- 58.63	8.74
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.084	13.084 (0.931)	59	6018587	50.0000	53.003	80.00- 120.00	100.00
13.084	13.084 (0.931)	87	1828384			0.00- 79.93	30.38
13.084	13.084 (0.931)	41	1338639			0.00- 73.40	22.24
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.081)	73	4052533	50.0000	51.774	80.00- 120.00	100.00
15.213	15.213 (1.083)	87	989069			0.00- 74.85	24.41
15.185	15.185 (1.081)	55	1325635			0.00- 83.92	32.71
77 Ethyl Acetate					CAS #: 141-78-6		
13.554	13.554 (0.965)	45	822661	50.0000	49.720	80.00- 120.00	100.00
13.554	13.554 (0.965)	61	602384			16.23- 116.23	73.22
13.554	13.554 (0.965)	43	5989097			634.57- 734.57	728.02

Report Date: 07-Dec-2006 11:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120703.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/07Dec2006.b/t14qd05b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 07-DEC-2006
Calibration Time: 10:10
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	522740	313644	731836	522740	0.00
97 1,4-Difluorobenze	2170302	1302181	3038423	2170302	0.00
126 Chlorobenzene-d5	1395471	837283	1953659	1395471	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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/07Dec2006.b/t120703.d

Date : 07-DEC-2006 10:10

Client ID: Level 5

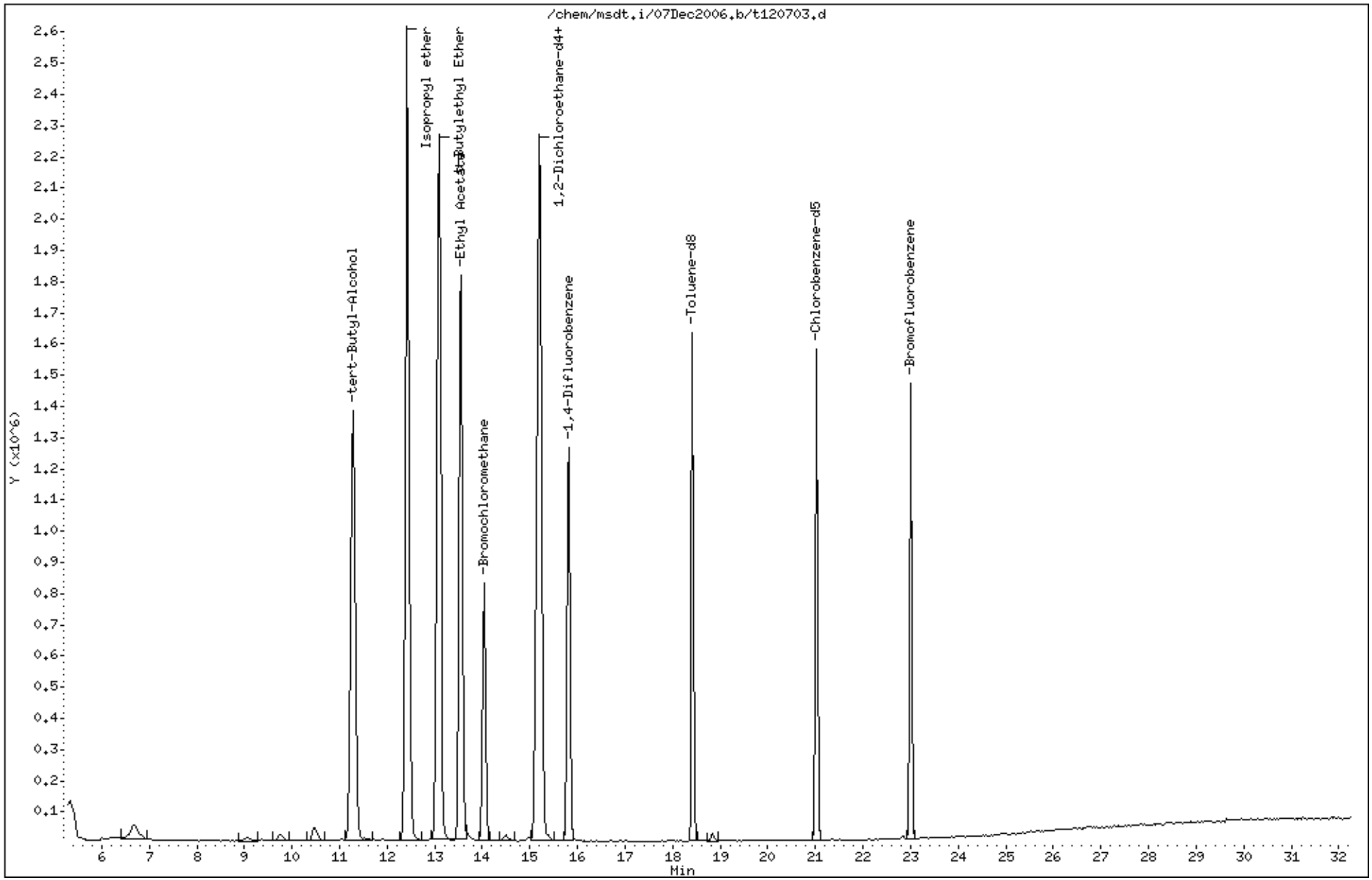
Sample Info: 50mL #1408-160

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120516.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 05-DEC-2006 18:08
Operator : srs Inst ID: msdt.i
Smp Info : 50mL #1408-195
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 18:08 Cal File: t120516.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	595041	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	460939			27.46- 127.46	77.46
14.052	14.052 (1.000)	49	1688832			233.82- 333.82	283.82
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2448866	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	386384			0.00- 65.78	15.78
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1654981	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	936166			6.64- 106.64	56.57
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1079874	25.0000	24.487	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	580026			0.94- 100.94	53.71
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2230265	25.0000	25.192	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	257755			0.00- 61.57	11.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1524650			17.69- 117.69	68.36
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
23.010	23.010 (1.095)	174	773760	25.0000	25.080	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	966999			74.97- 174.97	124.97
23.010	23.010 (1.095)	176	760830			48.33- 148.33	98.33
11 Propylene						CAS #: 115-07-1	
5.867	5.867 (0.418)	41	1095825	50.0000	48.778	80.00- 120.00	100.00
5.867	5.867 (0.418)	42	719803			15.37- 115.37	65.69
5.867	5.867 (0.418)	39	873533			29.72- 129.72	79.71
12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
5.978	5.978 (0.425)	85	2433895	50.0000	51.321	80.00- 120.00	100.00
5.978	5.978 (0.425)	87	762925			0.00- 81.72	31.35
16 Freon 114						CAS #: 76-14-2	
6.393	6.393 (0.455)	135	1385248	50.0000	52.993	80.00- 120.00	100.00
6.393	6.393 (0.455)	137	439130			0.00- 81.70	31.70
18 Chloromethane						CAS #: 74-87-3	
6.642	6.642 (0.473)	50	934041	50.0000	48.872	80.00- 120.00	100.00
6.642	6.642 (0.473)	52	301988			0.00- 86.11	32.33
20 Vinyl Chloride						CAS #: 75-01-4	
6.973	6.973 (0.496)	62	955979	50.0000	50.914	80.00- 120.00	100.00
6.973	6.973 (0.496)	64	301700			0.00- 87.67	31.56
22 1,3-Butadiene						CAS #: 106-99-0	
7.056	7.056 (0.502)	54	1396994	50.0000	55.872	80.00- 120.00	100.00
7.056	7.056 (0.502)	39	1636540			74.46- 174.46	117.15
25 Bromomethane						CAS #: 74-83-9	
8.024	8.024 (0.571)	94	751572	50.0000	52.769	80.00- 120.00	100.00
8.024	8.024 (0.571)	96	697394			42.79- 142.79	92.79
27 Chloroethane						CAS #: 75-00-3	
8.328	8.328 (0.593)	64	419400	50.0000	51.570	80.00- 120.00	100.00
8.328	8.328 (0.593)	49	172867			0.00- 92.66	41.22
8.328	8.328 (0.593)	66	126281			0.00- 80.63	30.11
31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
8.881	8.881 (0.632)	101	4339133	50.0000	55.727	80.00- 120.00	100.00
8.881	8.881 (0.632)	103	2784324			14.17- 114.17	64.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.351	9.351 (0.665)	45	912082	50.0000	53.321	80.00- 120.00	100.00
9.351	9.351 (0.665)	43	200086			0.00- 73.15	21.94
9.351	9.351 (0.665)	46	328532			0.00- 85.75	36.02
42 Freon 113					CAS #: 76-13-1		
10.043	10.043 (0.715)	151	2707524	50.0000	52.187	80.00- 120.00	100.00
10.070	10.070 (0.717)	153	1724318			13.69- 113.69	63.69
10.043	10.043 (0.715)	101	3335538			73.20- 173.20	123.20
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.153	10.153 (0.723)	61	3565698	50.0000	55.668	80.00- 120.00	100.00
10.153	10.153 (0.723)	96	1651471			0.00- 96.32	46.32
10.153	10.153 (0.723)	98	1044796			0.00- 79.30	29.30
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	1033439	50.0000	51.150	80.00- 120.00	100.00
10.291	10.291 (0.732)	43	4512108			391.57- 491.57	436.61
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	4480527	50.0000	51.947	80.00- 120.00	100.00
10.485	10.485 (0.746)	43	966186			0.00- 71.85	21.56
10.485	10.485 (0.746)	59	139291			0.00- 53.30	3.11
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.678 (0.760)	76	4266906	50.0000	54.736	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	805656	50.0000	51.418	80.00- 120.00	100.00
10.927	10.927 (0.778)	41	3661882			409.83- 509.83	454.52
54 Methylene Chloride					CAS #: 75-09-2		
11.231	11.231 (0.799)	49	2762291	50.0000	55.759	80.00- 120.00	100.00
11.231	11.231 (0.799)	84	1333643			0.00- 98.28	48.28
11.231	11.231 (0.799)	51	810928			0.00- 79.91	29.36
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	4934206	50.0000	52.204	80.00- 120.00	100.00
11.591	11.591 (0.825)	57	1335876			0.00- 77.07	27.07
11.591	11.591 (0.825)	41	1602283			0.00- 85.57	32.47
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	1709577	50.0000	52.495	80.00- 120.00	100.00
11.674	11.674 (0.831)	61	3082422			130.30- 230.30	180.30
11.674	11.674 (0.831)	98	1089836			14.30- 114.30	63.75

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
65 Hexane						CAS #: 110-54-3	
12.006	12.006 (0.854)	57	3361507	50.0000	52.233	80.00- 120.00	100.00
12.006	12.006 (0.854)	43	2542247			26.89- 126.89	75.63
12.033	12.033 (0.856)	86	387411			0.00- 61.23	11.52
69 Vinyl Acetate						CAS #: 108-05-4	
12.503	12.503 (0.890)	86	388074	50.0000	49.187	80.00- 120.00	100.00
12.503	12.503 (0.890)	43	7318983			1782.11-1882.11	1885.98
70 1,1-Dichloroethane						CAS #: 75-34-3	
12.531	12.531 (0.892)	63	3776474	50.0000	52.578	80.00- 120.00	100.00
12.531	12.531 (0.892)	65	1149132			0.00- 80.43	30.43
75 2-Butanone						CAS #: 78-93-3	
13.554	13.554 (0.965)	72	862984	50.0000	55.103	80.00- 120.00	100.00
13.554	13.554 (0.965)	43	5723250			613.19- 713.19	663.19
13.554	13.554 (0.965)	57	378635			0.00- 95.87	43.88
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.582	13.582 (0.967)	61	3109635	50.0000	53.299	80.00- 120.00	100.00
13.582	13.582 (0.967)	96	1872249			10.21- 110.21	60.21
13.582	13.582 (0.967)	98	1197321			0.00- 88.50	38.50
80 Tetrahydrofuran						CAS #: 109-99-9	
14.024	14.024 (0.998)	42	3039241	50.0000	53.539	80.00- 120.00	100.00
14.024	14.024 (0.998)	71	819721			0.00- 76.97	26.97
14.024	14.024 (0.998)	72	855592			0.00- 77.09	28.15
82 Chloroform						CAS #: 67-66-3	
14.107	14.107 (1.004)	83	3840420	50.0000	55.601	80.00- 120.00	100.00
14.107	14.107 (1.004)	85	2433661			13.37- 113.37	63.37
83 1,1,1-Trichloroethane						CAS #: 71-55-6	
14.466	14.466 (1.030)	97	3332149	50.0000	52.876	80.00- 120.00	100.00
14.466	14.466 (1.030)	99	2140944			14.25- 114.25	64.25
85 Cyclohexane						CAS #: 110-82-7	
14.494	14.494 (1.031)	84	1849419	50.0000	51.424	80.00- 120.00	100.00
14.494	14.494 (1.031)	56	2901273			106.87- 206.87	156.87
14.494	14.494 (1.031)	41	1979324			57.02- 157.02	107.02
87 Carbon Tetrachloride						CAS #: 56-23-5	
14.743	14.743 (1.049)	119	3308963	50.0000	53.077	80.00- 120.00	100.00
14.743	14.743 (1.049)	117	3403552			52.86- 152.86	102.86
91 Benzene						CAS #: 71-43-2	
15.158	15.158 (0.958)	78	5193935	50.0000	55.705	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.158	15.158 (0.958)	77	1190329			0.00- 72.75	22.92
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	9823866	50.0000	52.690	80.00- 120.00	100.00
15.075	15.075 (1.073)	56	3299873			0.00- 83.72	33.59
15.075	15.075 (1.073)	41	3246213			0.00- 83.32	33.04
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	3081403	50.0000	53.888	80.00- 120.00	100.00
15.268	15.268 (0.965)	64	949055			0.00- 80.45	30.80
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	1598909	50.0000	53.776	80.00- 120.00	100.00
15.379	15.379 (0.972)	43	4381509			223.93- 323.93	274.03
15.379	15.379 (0.972)	57	1962200			70.43- 170.43	122.72
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	2316726	50.0000	54.750	80.00- 120.00	100.00
16.291	16.291 (1.030)	130	2321106			50.19- 150.19	100.19
16.291	16.291 (1.030)	97	1503189			14.88- 114.88	64.88
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	2040699	50.0000	54.739	80.00- 120.00	100.00
16.761	16.761 (1.059)	62	1493582			23.19- 123.19	73.19
16.761	16.761 (1.059)	41	1685461			32.59- 132.59	82.59
106 1,4-Dioxane					CAS #: 123-91-1		
16.900	16.900 (1.068)	88	1194081	50.0000	51.264	80.00- 120.00	100.00
16.900	16.900 (1.068)	58	1005090			34.17- 134.17	84.17
16.900	16.900 (1.068)	57	370657			0.00- 81.45	31.04
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	4121558	50.0000	55.718	80.00- 120.00	100.00
17.204	17.204 (1.087)	85	2573389			12.44- 112.44	62.44
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	3070009	50.0000	55.281	80.00- 120.00	100.00
17.978	17.978 (1.136)	77	974025			0.00- 81.73	31.73
17.978	17.978 (1.136)	39	2521346			32.13- 132.13	82.13
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	1875640	50.0000	57.001	80.00- 120.00	100.00
18.171	18.171 (1.149)	43	5823473			265.62- 365.62	310.48
18.171	18.171 (1.149)	85	644999			0.00- 85.05	34.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	5660026	50.0000	54.232	80.00- 120.00	100.00
18.531	18.531 (1.171)	92	3464338			11.21- 111.21	61.21
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	2985025	50.0000	55.465	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	938600			0.00- 81.44	31.44
18.973	18.973 (0.903)	39	2254844			25.54- 125.54	75.54
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	2010565	50.0000	54.830	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	1274697			13.40- 113.40	63.40
19.333	19.333 (0.920)	83	1719762			35.54- 135.54	85.54
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	2665806	50.0000	54.243	80.00- 120.00	100.00
19.499	19.499 (0.928)	129	1978966			24.24- 124.24	74.24
19.499	19.499 (0.928)	131	1894383			21.06- 121.06	71.06
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	2502767	50.0000	53.418	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	5603372			173.89- 273.89	223.89
19.637	19.637 (0.934)	100	367727			0.00- 65.02	14.69
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	3570536	50.0000	56.997	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	2760461			29.86- 129.86	77.31
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	2993122	50.0000	55.688	80.00- 120.00	100.00
20.300	20.300 (0.966)	109	2812356			43.96- 143.96	93.96
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	4011672	50.0000	53.197	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	1288201			0.00- 82.11	32.11
21.075	21.075 (1.003)	77	2444193			10.93- 110.93	60.93
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	1964884	50.0000	53.328	80.00- 120.00	100.00
21.158	21.158 (1.007)	91	6273605			273.41- 373.41	319.29
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	4765885	100.000	109.03	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	9548331			150.37- 250.37	200.35
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	2051618	50.0000	52.275	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	4342478			161.66- 261.66	211.66
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	3292959	50.0000	56.932	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1753549			3.25- 103.25	53.25
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	2511051	50.0000	56.384	80.00- 120.00	100.00
22.512	22.512 (1.071)	171	1284280			1.15- 101.15	51.15
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	6010479	50.0000	53.683	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	1551828			0.00- 75.76	25.82
22.651	22.651 (1.078)	51	864048			0.00- 67.97	14.38
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	2662691	50.0000	53.677	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1641745			11.66- 111.66	61.66
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	6674382	50.0000	52.176	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	1517476			0.00- 72.76	22.74
23.342	23.342 (1.110)	105	252440			0.00- 54.33	3.78
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	5312627	50.0000	51.935	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	1597253			0.00- 80.07	30.07
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	3951601	50.0000	51.773	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1946711			0.00- 99.50	49.26
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	3605447	50.0000	51.427	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1683043			0.00- 95.95	46.68
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	2362930	50.0000	53.267	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	1522213			15.26- 115.26	64.42
24.807	24.807 (1.180)	111	974684			0.00- 92.21	41.25
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	2329202	50.0000	53.290	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	1484700			15.51- 115.51	63.74
24.973	24.973 (1.188)	111	897019			0.00- 88.70	38.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	3495569	50.0000	53.823	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	691637			0.00- 70.08	19.79
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	2027372	50.0000	52.890	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	1295815			13.92- 113.92	63.92
25.609	25.609 (1.218)	111	860110			0.00- 92.42	42.42
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	1039414	50.0000	52.364	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	972751			43.59- 143.59	93.59
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	882339	50.0000	53.405	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	566610			14.66- 114.66	64.22
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1419427	25.0000	26.169	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	182019			0.00- 62.82	12.82
29 Isopentane					CAS #: 78-78-4		
8.328	8.328 (0.593)	43	3035513	50.0000	49.766	80.00- 120.00	100.00
8.328	8.328 (0.593)	57	1763777			8.33- 108.33	58.10
19 Butane					CAS #: 106-97-8		
6.890	6.890 (0.490)	58	267696	50.0000	55.115	80.00- 120.00	100.00
6.890	6.890 (0.490)	43	2576365			910.72-1010.72	962.42
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	2421844	50.0000	53.295	80.00- 120.00	100.00
16.568	16.568 (1.179)	98	1048101			0.00- 93.56	43.28
16.568	16.568 (1.179)	55	2607763			63.60- 163.60	107.68

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120516.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	595041	0.00
97 1,4-Difluorobenze	2448866	1469320	3428412	2448866	0.00
126 Chlorobenzene-d5	1654981	992989	2316973	1654981	0.00

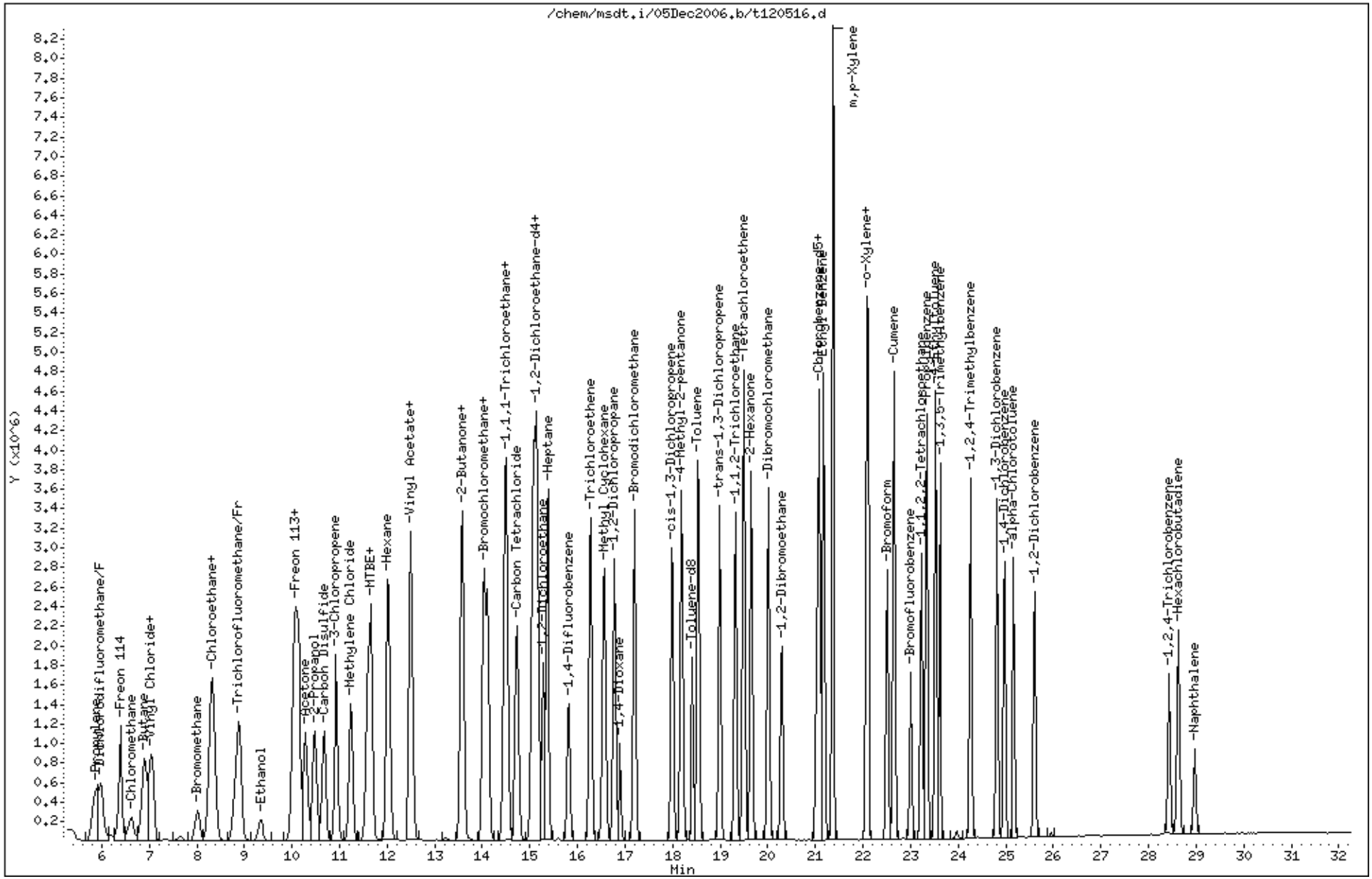
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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/05Dec2006.b/t120516.d
Date : 05-DEC-2006 18:08
Client ID: Level 5
Sample Info: 50mL #1408-195

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120517.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 05-DEC-2006 18:46
Operator : srs Inst ID: msdt.i
Smp Info : 100mL #1408-195
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 18:46 Cal File: t120517.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	616730	25.0000		50.00- 150.00	100.00
14.052	14.052 (1.000)	128	472884			27.60- 127.60	76.68
14.052	14.052 (1.000)	49	2233116			203.42- 303.42	362.09
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2563755	25.0000		50.00- 150.00	100.00
15.821	15.821 (1.000)	88	401295			0.00- 65.71	15.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1846725	25.0000		50.00- 150.00	100.00
21.019	21.019 (1.000)	82	1038319			6.64- 106.64	56.22
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1130535	25.0000	24.734	50.00- 150.00	100.00
15.130	15.130 (1.077)	67	677366			0.94- 100.94	59.92
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2396445	25.0000	25.856	50.00- 150.00	100.00
18.420	18.420 (1.164)	70	277301			0.00- 61.57	11.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1608642			17.69- 117.69	67.13
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	880780	25.0000	25.584	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	1085366			74.10- 174.10	123.23
23.010	23.010 (1.095)	176	858648			47.18- 147.18	97.49
11 Propylene					CAS #: 115-07-1		
5.895	5.895 (0.420)	41	2291693	100.000	98.421	50.00- 150.00	100.00
5.895	5.895 (0.420)	42	1518175			15.37- 115.37	66.25
5.895	5.895 (0.420)	39	1828116			29.72- 129.72	79.77
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
6.006	6.006 (0.427)	85	5103337	100.000	103.82	50.00- 150.00	100.00
6.006	6.006 (0.427)	87	1648249			0.00- 81.72	32.30
16 Freon 114					CAS #: 76-14-2		
6.420	6.420 (0.457)	135	2680860	100.000	98.950	50.00- 150.00	100.00
6.420	6.420 (0.457)	137	852509			0.00- 80.76	31.80
18 Chloromethane					CAS #: 74-87-3		
6.642	6.642 (0.473)	50	1961766	100.000	99.036	50.00- 150.00	100.00
6.642	6.642 (0.473)	52	617677			0.00- 86.11	31.49
20 Vinyl Chloride					CAS #: 75-01-4		
7.001	7.001 (0.498)	62	2096473	100.000	107.73	50.00- 150.00	100.00
7.001	7.001 (0.498)	64	633275			0.00- 87.67	30.21
22 1,3-Butadiene					CAS #: 106-99-0		
7.084	7.084 (0.504)	54	2562391	100.000	98.876	50.00- 150.00	100.00
7.084	7.084 (0.504)	39	2964991			74.46- 174.46	115.71
25 Bromomethane					CAS #: 74-83-9		
8.052	8.052 (0.573)	94	1596934	100.000	108.18	50.00- 150.00	100.00
8.052	8.052 (0.573)	96	1486904			56.58- 156.58	93.11
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	925577	100.000	109.81	50.00- 150.00	100.00
8.328	8.328 (0.593)	49	378332			0.00- 92.66	40.88
8.328	8.328 (0.593)	66	287352			0.00- 80.63	31.05
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.909	8.909 (0.634)	101	8229287	100.000	101.97	50.00- 150.00	100.00
8.909	8.909 (0.634)	103	5315421			16.66- 116.66	64.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.379	9.379 (0.667)	45	1577767	100.000	88.994	50.00- 150.00	100.00
9.379	9.379 (0.667)	43	340405			0.00- 73.15	21.58
9.379	9.379 (0.667)	46	586985			0.00- 85.75	37.20
42 Freon 113					CAS #: 76-13-1		
10.070	10.070 (0.717)	151	5623325	100.000	104.58	50.00- 150.00	100.00
10.070	10.070 (0.717)	153	3608513			13.91- 113.91	64.17
10.070	10.070 (0.717)	101	6947568			73.70- 173.70	123.55
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.153	10.153 (0.723)	61	7163546	100.000	107.90	50.00- 150.00	100.00
10.153	10.153 (0.723)	96	3356132			0.00- 98.69	46.85
10.153	10.153 (0.723)	98	2155344			0.00- 79.87	30.09
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	2146012	100.000	102.48	50.00- 150.00	100.00
10.291	10.291 (0.732)	43	9498687			391.57- 491.57	442.62
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	9486759	100.000	106.12	50.00- 150.00	100.00
10.485	10.485 (0.746)	43	1904491			0.00- 71.85	20.08
10.485	10.485 (0.746)	59	297826			0.00- 53.30	3.14
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.678 (0.760)	76	7848274	100.000	97.138	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	1671654	100.000	102.94	50.00- 150.00	100.00
10.927	10.927 (0.778)	41	7524593			409.83- 509.83	450.13
54 Methylene Chloride					CAS #: 75-09-2		
11.259	11.259 (0.801)	49	4496201	100.000	87.567	50.00- 150.00	100.00
11.259	11.259 (0.801)	84	2202440			0.00- 98.27	48.98
11.259	11.259 (0.801)	51	1307215			0.00- 79.91	29.07
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	10419677	100.000	106.36	50.00- 150.00	100.00
11.591	11.591 (0.825)	57	2823247			0.00- 76.80	27.10
11.591	11.591 (0.825)	41	3337544			0.00- 85.57	32.03
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	3600030	100.000	106.66	50.00- 150.00	100.00
11.674	11.674 (0.831)	61	6437588			129.28- 229.28	178.82
11.674	11.674 (0.831)	98	2270504			14.30- 114.30	63.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	7011308	100.000	105.11	50.00- 150.00	100.00
12.033	12.033 (0.856)	43	5331714			26.89- 126.89	76.04
12.033	12.033 (0.856)	86	822303			0.00- 61.23	11.73
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	826727	100.000	101.10	50.00- 150.00	100.00
12.503	12.503 (0.890)	43	15516993			1782.11-1882.11	1876.92
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	7871909	100.000	105.74	50.00- 150.00	100.00
12.531	12.531 (0.892)	65	2389363			0.00- 81.04	30.35
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	1812384	100.000	111.65	50.00- 150.00	100.00
13.554	13.554 (0.965)	43	12075889			633.81- 733.81	666.30
13.554	13.554 (0.965)	57	791575			0.00- 95.87	43.68
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	6458704	100.000	106.81	50.00- 150.00	100.00
13.582	13.582 (0.967)	96	3918121			10.72- 110.72	60.66
13.582	13.582 (0.967)	98	2514901			0.00- 88.02	38.94
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (0.998)	42	6390813	100.000	108.62	50.00- 150.00	100.00
14.052	14.052 (1.000)	71	1732907			0.00- 76.84	27.12
14.052	14.052 (1.000)	72	1787971			0.00- 77.09	27.98
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	7859673	100.000	109.79	50.00- 150.00	100.00
14.107	14.107 (1.004)	85	4979729			12.52- 112.52	63.36
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	6985844	100.000	106.96	50.00- 150.00	100.00
14.466	14.466 (1.030)	99	4471798			13.87- 113.87	64.01
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	4029596	100.000	108.10	50.00- 150.00	100.00
14.494	14.494 (1.031)	56	6279452			105.19- 205.19	155.83
14.494	14.494 (1.031)	41	4191666			54.33- 154.33	104.02
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	6850489	100.000	106.02	50.00- 150.00	100.00
14.743	14.743 (1.049)	117	7103231			53.90- 153.90	103.69
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	10910005	100.000	111.77	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.158	15.158 (0.958)	77	2494173			0.00- 72.75	22.86
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	20560814	100.000	106.40	50.00- 150.00	100.00
15.075	15.075 (1.073)	56	6849636			0.00- 83.72	33.31
15.075	15.075 (1.073)	41	6690416			0.00- 83.32	32.54
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	6250484	100.000	104.41	50.00- 150.00	100.00
15.268	15.268 (0.965)	64	1911095			0.00- 80.45	30.58
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	3405094	100.000	109.39	50.00- 150.00	100.00
15.379	15.379 (0.972)	43	9250961			223.93- 323.93	271.68
15.379	15.379 (0.972)	57	4173912			70.43- 170.43	122.58
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	4807326	100.000	108.52	50.00- 150.00	100.00
16.291	16.291 (1.030)	130	4787724			50.64- 150.64	99.59
16.291	16.291 (1.030)	97	3087543			16.00- 116.00	64.23
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	4294397	100.000	110.03	50.00- 150.00	100.00
16.761	16.761 (1.059)	62	3180651			23.77- 123.77	74.07
16.761	16.761 (1.059)	41	3413449			42.00- 142.00	79.49
106 1,4-Dioxane					CAS #: 123-91-1		
16.900	16.900 (1.068)	88	2550800	100.000	104.60	50.00- 150.00	100.00
16.900	16.900 (1.068)	58	2122902			33.55- 133.55	83.22
16.900	16.900 (1.068)	57	771612			0.00- 81.45	30.25
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	8531870	100.000	110.17	50.00- 150.00	100.00
17.204	17.204 (1.087)	85	5294160			12.45- 112.45	62.05
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	6505242	100.000	111.89	50.00- 150.00	100.00
17.978	17.978 (1.136)	77	2035802			0.00- 82.24	31.29
17.978	17.978 (1.136)	39	5234367			34.92- 134.92	80.46
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	4128001	100.000	119.83	50.00- 150.00	100.00
18.171	18.171 (1.149)	43	12793079			265.62- 365.62	309.91
18.171	18.171 (1.149)	85	1405592			0.00- 85.05	34.05

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	12186995	100.000	111.54	50.00- 150.00	100.00
18.531	18.531 (1.171)	92	7404669			11.91- 111.91	60.76
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	6336490	100.000	105.51	50.00- 150.00	100.00
18.973	18.973 (0.903)	77	1972868			0.00- 83.39	31.14
18.973	18.973 (0.903)	39	4723230			32.13- 132.13	74.54
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	4300808	100.000	105.11	50.00- 150.00	100.00
19.333	19.333 (0.920)	99	2689472			14.76- 114.76	62.53
19.333	19.333 (0.920)	83	3674759			35.56- 135.56	85.44
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.499 (0.928)	166	5681958	100.000	103.61	50.00- 150.00	100.00
19.499	19.499 (0.928)	129	4221964			25.51- 125.51	74.30
19.499	19.499 (0.928)	131	4076305			21.35- 121.35	71.74
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	5604956	100.000	107.21	50.00- 150.00	100.00
19.637	19.637 (0.934)	43	12605855			179.26- 279.26	224.91
19.637	19.637 (0.934)	100	821103			0.00- 65.02	14.65
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	7724780	100.000	110.51	50.00- 150.00	100.00
20.024	20.024 (0.953)	127	5913744			29.86- 129.86	76.56
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	6475184	100.000	107.96	50.00- 150.00	100.00
20.300	20.300 (0.966)	109	6156134			43.91- 143.91	95.07
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	8896029	100.000	105.72	50.00- 150.00	100.00
21.075	21.075 (1.003)	114	2858126			0.00- 83.09	32.13
21.075	21.075 (1.003)	77	5468148			23.53- 123.53	61.47
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.158 (1.007)	106	4421926	100.000	107.55	50.00- 150.00	100.00
21.158	21.158 (1.007)	91	14163471			273.41- 373.41	320.30
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	10860318	200.000	222.65	50.00- 150.00	100.00(A)
21.351	21.351 (1.016)	91	21707424			150.37- 250.37	199.88
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	4631521	100.000	105.76	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	9807631			159.32- 259.32	211.76
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	7685516	100.000	119.08	50.00- 150.00	100.00
22.098	22.098 (1.051)	78	4009305			7.91- 107.91	52.17
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	5753343	100.000	115.77	50.00- 150.00	100.00
22.512	22.512 (1.071)	171	2927871			1.17- 101.17	50.89
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	13471411	100.000	107.83	50.00- 150.00	100.00
22.651	22.651 (1.078)	120	3486868			0.00- 75.76	25.88
22.651	22.651 (1.078)	51	1955113			0.00- 67.97	14.51
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	6040832	100.000	109.13	50.00- 150.00	100.00
23.231	23.231 (1.105)	85	3780365			13.15- 113.15	62.58
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	15373394	100.000	107.70	50.00- 150.00	100.00
23.342	23.342 (1.110)	120	3452982			0.00- 72.76	22.46
23.342	23.342 (1.110)	105	570835			0.00- 54.33	3.71
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	12292932	100.000	107.70	50.00- 150.00	100.00
23.508	23.508 (1.118)	120	3670267			0.00- 80.08	29.86
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	8768284	100.000	102.95	50.00- 150.00	100.00
23.618	23.618 (1.124)	120	4327979			0.00- 99.50	49.36
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	8071035	100.000	103.17	50.00- 150.00	100.00
24.254	24.254 (1.154)	120	3749620			0.00- 95.95	46.46
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	5227568	100.000	105.61	50.00- 150.00	100.00
24.807	24.807 (1.180)	148	3326132			15.26- 115.26	63.63
24.807	24.807 (1.180)	111	2095625			0.00- 92.21	40.09
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	5095251	100.000	104.47	50.00- 150.00	100.00
24.973	24.973 (1.188)	148	3238213			15.51- 115.51	63.55
24.973	24.973 (1.188)	111	1969136			0.00- 88.70	38.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	7769607	100.000	107.21	50.00- 150.00	100.00
25.167	25.167 (1.197)	126	1533251			0.00- 70.08	19.73
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	4375411	100.000	102.29	50.00- 150.00	100.00
25.609	25.609 (1.218)	148	2831988			16.91- 116.91	64.73
25.609	25.609 (1.218)	111	1836696			0.00- 92.36	41.98
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	2456086	100.000	110.89	50.00- 150.00	100.00
28.429	28.429 (1.353)	182	2286214			40.88- 140.88	93.08
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	1904374	100.000	103.30	50.00- 150.00	100.00
28.623	28.623 (1.362)	223	1209394			14.66- 114.66	63.51
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	3428482	50.0000	56.645	50.00- 150.00	100.00
28.982	28.982 (1.379)	127	436763			0.00- 62.82	12.74
29 Isopentane					CAS #: 78-78-4		
8.328	8.328 (0.593)	43	6266308	100.000	99.122	50.00- 150.00	100.00
8.328	8.328 (0.593)	57	3675988			8.33- 108.33	58.66
19 Butane					CAS #: 106-97-8		
6.918	6.918 (0.492)	58	465284	100.000	92.427	50.00- 150.00	100.00
6.918	6.918 (0.492)	43	4497366			910.72-1010.72	966.59
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	5081773	100.000	107.90	50.00- 150.00	100.00
16.568	16.568 (1.179)	98	2198659			0.00- 93.56	43.27
16.568	16.568 (1.179)	55	5593704			63.60- 163.60	110.07

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120517.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	616730	3.64
97 1,4-Difluorobenze	2448866	1469320	3428412	2563755	4.69
126 Chlorobenzene-d5	1654981	992989	2316973	1846725	11.59

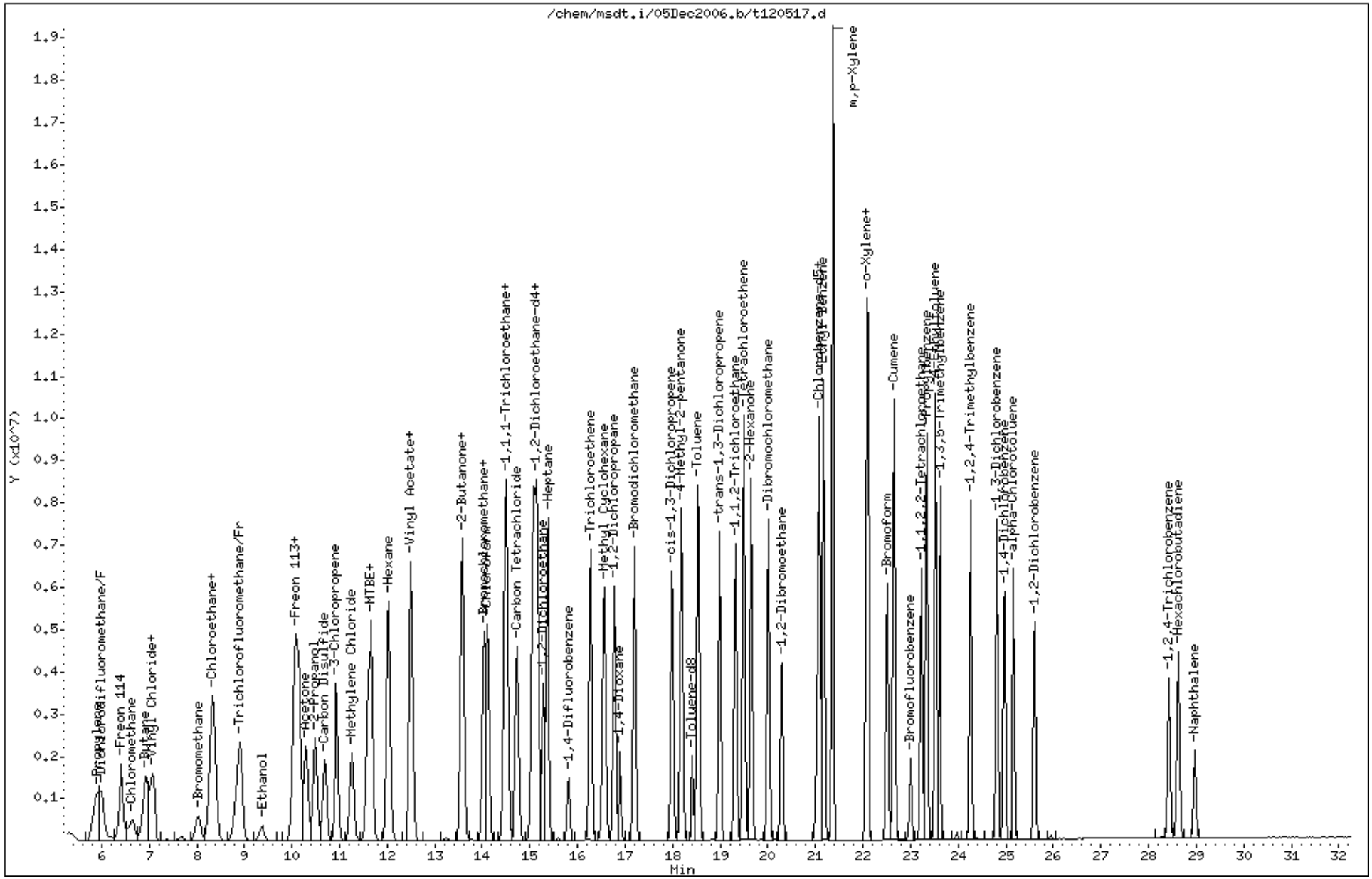
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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/05Dec2006.b/t120517.d
Date : 05-DEC-2006 18:46
Client ID: Level 6
Sample Info: 100mL #1408-195

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

Column phase: RTx-624



0148

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/07Dec2006.b/t120704.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 07-DEC-2006 10:51
Operator : sjr Inst ID: msdt.i
Smp Info : 200mL #1408-160
Misc Info : 200ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/07Dec2006.b/t14qd05b.m
Meth Date : 07-Dec-2006 11:25 ctaylor Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp5b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	485060	25.0000		50.00-	150.00	100.00
14.052	14.052 (1.000)	128	375134			27.99-	127.99	77.34
14.052	14.052 (1.000)	49	1020641			192.08-	292.08	210.42
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2140685	25.0000		50.00-	150.00	100.00
15.821	15.821 (1.000)	88	333258			0.00-	65.72	15.57
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1356307	25.0000		50.00-	150.00	100.00
21.019	21.019 (1.000)	82	781126			6.96-	106.96	57.59
57 tert-Butyl-Alcohol					CAS #: 75-65-0			
11.287	11.287 (0.803)	59	16966886	200.000	201.10	50.00-	150.00	100.00
11.287	11.287 (0.803)	41	4456866			0.00-	79.75	26.27
11.287	11.287 (0.803)	57	1836600			0.00-	61.44	10.82
68 Isopropyl ether					CAS #: 108-20-3			
12.420	12.420 (0.884)	45	28559317	200.000	208.09	50.00-	150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 Isopropyl ether (continued)							
12.420	12.420 (0.884)	87	4370978			0.00- 65.14	15.30
12.420	12.420 (0.884)	59	2461485			0.00- 58.63	8.62
73 t-Butylethyl Ether					CAS #: 637-92-3		
13.084	13.084 (0.931)	59	23508053	200.000	214.83	50.00- 150.00	100.00(A)
13.084	13.084 (0.931)	87	7190602			0.00- 79.93	30.59
13.084	13.084 (0.931)	41	5143983			0.00- 73.40	21.88
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.185	15.185 (1.081)	73	15752168	200.000	210.94	50.00- 150.00	100.00(A)
15.213	15.213 (1.083)	87	3803068			0.00- 74.85	24.14
15.185	15.185 (1.081)	55	5100606			0.00- 83.92	32.38
77 Ethyl Acetate					CAS #: 141-78-6		
13.554	13.554 (0.965)	45	3346313	200.000	211.62	50.00- 150.00	100.00(A)
13.554	13.554 (0.965)	61	2405660			16.23- 116.23	71.89
13.554	13.554 (0.965)	43	24211564			634.57- 734.57	723.53

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120704.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/07Dec2006.b/t14qd05b.m
Misc Info: 200ppbv (200ppbv)

Calibration Date: 07-DEC-2006
Calibration Time: 10:10
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	522740	313644	731836	485060	-7.21
97 1,4-Difluorobenze	2170302	1302181	3038423	2140685	-1.36
126 Chlorobenzene-d5	1395471	837283	1953659	1356307	-2.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	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.

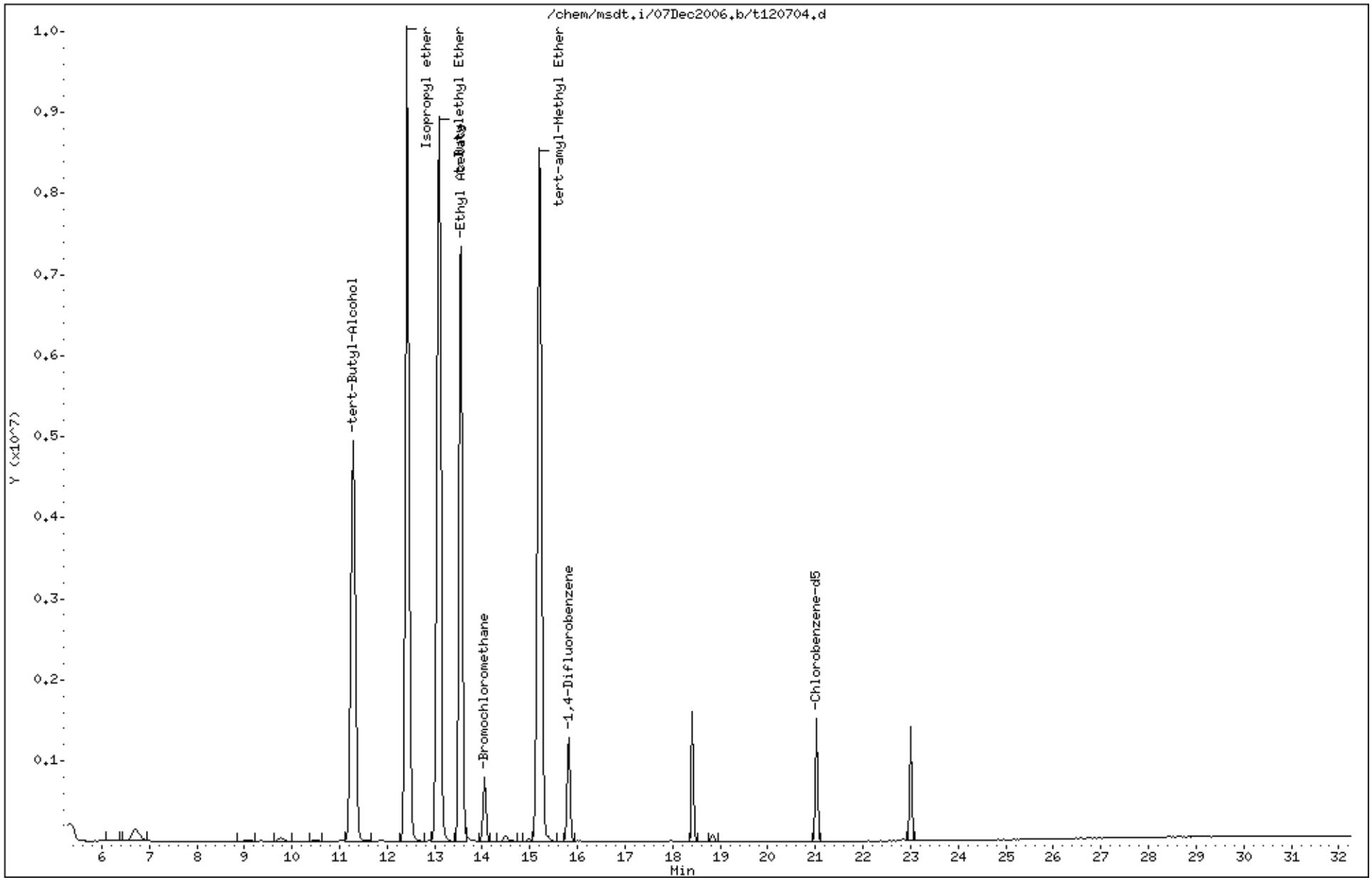
0152

Data File: /chem/msdt.i/07Dec2006.b/t120704.d
Date : 07-DEC-2006 10:51
Client ID: Level 7
Sample Info: 200mL #1408-160

Column phase: RTx-624

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/05Dec2006.b/t120518.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 05-DEC-2006 19:24
Operator : srs Inst ID: msdt.i
Smp Info : 200mL #1408-195
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/05Dec2006.b/t14qd05a.m
Meth Date : 06-Dec-2006 12:28 ctaylor Quant Type: ISTD
Cal Date : 05-DEC-2006 19:24 Cal File: t120518.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane					CAS #: 74-97-5			
14.052	14.052 (1.000)	130	570078	25.0000		50.00- 150.00		100.00
14.052	14.052 (1.000)	128	442212			27.60- 127.60		77.57
14.107	14.107 (1.000)	49	3055937			203.42- 303.42		536.06
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.821	15.821 (1.000)	114	2598042	25.0000		50.00- 150.00		100.00
15.821	15.821 (1.000)	88	409539			0.00- 65.71		15.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
21.019	21.019 (1.000)	117	1876544	25.0000		50.00- 150.00		100.00
21.019	21.019 (1.000)	82	1054425			6.64- 106.64		56.19
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
15.130	15.130 (1.077)	65	1183265	25.0000	28.007	50.00- 150.00		100.00
15.130	15.130 (1.077)	67	793733			0.94- 100.94		67.08
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.420	18.420 (1.164)	98	2442943	25.0000	26.010	50.00- 150.00		100.00
18.420	18.420 (1.164)	70	277330			0.00- 61.57		11.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1651575			17.69- 117.69	67.61
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	916363	25.0000	26.195	50.00- 150.00	100.00
23.010	23.010 (1.095)	95	1140916			74.10- 174.10	124.50
23.010	23.010 (1.095)	176	888376			47.18- 147.18	96.95
11 Propylene					CAS #: 115-07-1		
5.895	5.895 (0.420)	41	3774557	200.000	175.37	50.00- 150.00	100.00
5.895	5.895 (0.420)	42	2488446			15.37- 115.37	65.93
5.895	5.895 (0.420)	39	2989990			29.72- 129.72	79.21
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.978	5.978 (0.425)	85	8631275	200.000	189.97	50.00- 150.00	100.00
6.006	6.006 (0.427)	87	2785456			0.00- 81.72	32.27
16 Freon 114					CAS #: 76-14-2		
6.420	6.420 (0.457)	135	4164065	200.000	166.27	50.00- 150.00	100.00
6.420	6.420 (0.457)	137	1320104			0.00- 80.76	31.70
18 Chloromethane					CAS #: 74-87-3		
6.669	6.669 (0.475)	50	3398916	200.000	185.63	50.00- 150.00	100.00
6.669	6.669 (0.475)	52	1077346			0.00- 86.11	31.70
20 Vinyl Chloride					CAS #: 75-01-4		
6.973	6.973 (0.496)	62	3516120	200.000	195.46	50.00- 150.00	100.00
6.973	6.973 (0.496)	64	1049788			0.00- 87.67	29.86
22 1,3-Butadiene					CAS #: 106-99-0		
7.084	7.084 (0.504)	54	3277145	200.000	136.80	50.00- 150.00	100.00
7.084	7.084 (0.504)	39	4155464			74.46- 174.46	126.80
25 Bromomethane					CAS #: 74-83-9		
8.024	8.024 (0.571)	94	2675879	200.000	196.10	50.00- 150.00	100.00
8.024	8.024 (0.571)	96	2511440			56.58- 156.58	93.85
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	1623388	200.000	208.35	50.00- 150.00	100.00(A)
8.328	8.328 (0.593)	49	638630			0.00- 92.66	39.34
8.328	8.328 (0.593)	66	492032			0.00- 80.63	30.31
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.909	8.909 (0.634)	101	11599206	200.000	155.49	50.00- 150.00	100.00
8.909	8.909 (0.634)	103	7466878			16.66- 116.66	64.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.379	9.379 (0.667)	45	2493866	200.000	152.18	50.00- 150.00	100.00
9.379	9.379 (0.667)	43	542560			0.00- 73.15	21.76
9.379	9.379 (0.667)	46	917460			0.00- 85.75	36.79
42 Freon 113					CAS #: 76-13-1		
10.070	10.070 (0.717)	151	10740873	200.000	216.09	50.00- 150.00	100.00(A)
10.070	10.070 (0.717)	153	6881089			13.91- 113.91	64.06
10.070	10.070 (0.717)	101	13281510			73.70- 173.70	123.65
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.181	10.181 (0.725)	61	10983305	200.000	178.98	50.00- 150.00	100.00
10.181	10.181 (0.725)	96	5234373			0.00- 98.69	47.66
10.181	10.181 (0.725)	98	3340445			0.00- 79.87	30.41
45 Acetone					CAS #: 67-64-1		
10.319	10.319 (0.734)	58	3766016	200.000	194.56	50.00- 150.00	100.00
10.319	10.319 (0.734)	43	16439057			391.57- 491.57	436.51
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	16807747	200.000	203.40	50.00- 150.00	100.00(A)
10.485	10.485 (0.746)	43	3308527			0.00- 71.85	19.68
10.485	10.485 (0.746)	59	521788			0.00- 53.30	3.10
47 Carbon Disulfide					CAS #: 75-15-0		
10.706	10.706 (0.762)	76	10495702	200.000	140.54	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.955	10.955 (0.780)	76	3130612	200.000	208.55	50.00- 150.00	100.00(A)
10.955	10.955 (0.780)	41	13927161			409.83- 509.83	444.87
54 Methylene Chloride					CAS #: 75-09-2		
11.287	11.287 (0.803)	49	6136969	200.000	129.30	50.00- 150.00	100.00
11.287	11.287 (0.803)	84	3070142			0.00- 98.27	50.03
11.287	11.287 (0.803)	51	1804416			0.00- 79.91	29.40
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	20323965	200.000	224.44	50.00- 150.00	100.00(A)
11.591	11.591 (0.825)	57	5507608			0.00- 76.80	27.10
11.591	11.591 (0.825)	41	6491348			0.00- 85.57	31.94
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	7166673	200.000	229.70	50.00- 150.00	100.00(A)
11.674	11.674 (0.831)	61	12710843			129.28- 229.28	177.36
11.674	11.674 (0.831)	98	4552871			14.30- 114.30	63.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	14426886	200.000	233.99	50.00- 150.00	100.00(A)
12.005	12.005 (0.854)	43	10827466			26.89- 126.89	75.05
12.033	12.033 (0.856)	86	1678237			0.00- 61.23	11.63
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	1720405	200.000	227.60	50.00- 150.00	100.00(A)
12.503	12.503 (0.890)	43	32003051			1782.11-1882.11	1860.20
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	15735488	200.000	228.67	50.00- 150.00	100.00(A)
12.531	12.531 (0.892)	65	4728530			0.00- 81.04	30.05
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	3762583	200.000	250.77	50.00- 150.00	100.00(A)
13.554	13.554 (0.965)	43	24848681			633.81- 733.81	660.42
13.554	13.554 (0.965)	57	1616974			0.00- 95.87	42.98
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	12956665	200.000	231.80	50.00- 150.00	100.00(A)
13.582	13.582 (0.967)	96	7874455			10.72- 110.72	60.78
13.582	13.582 (0.967)	98	5083519			0.00- 88.02	39.23
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.024 (0.998)	42	12798307	200.000	235.33	50.00- 150.00	100.00(A)
14.052	14.052 (1.000)	71	3492057			0.00- 76.84	27.29
14.052	14.052 (1.000)	72	3588560			0.00- 77.09	28.04
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	15584933	200.000	235.52	50.00- 150.00	100.00(A)
14.107	14.107 (1.004)	85	9825874			12.52- 112.52	63.05
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	12633142	200.000	209.25	50.00- 150.00	100.00(A)
14.466	14.466 (1.030)	99	8083960			13.87- 113.87	63.99
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	7621713	200.000	221.21	50.00- 150.00	100.00(A)
14.494	14.494 (1.031)	56	11927765			105.19- 205.19	156.50
14.494	14.494 (1.031)	41	7914461			54.33- 154.33	103.84
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	12418653	200.000	207.92	50.00- 150.00	100.00(A)
14.743	14.743 (1.049)	117	12872449			53.90- 153.90	103.65
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	22006393	200.000	222.47	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
15.158	15.158 (0.958)	77	4992207			0.00- 72.75	22.69
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	39907287	200.000	223.41	50.00- 150.00	100.00(A)
15.075	15.075 (1.073)	56	13366724			0.00- 83.72	33.49
15.075	15.075 (1.073)	41	12846494			0.00- 83.32	32.19
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	12399107	200.000	204.39	50.00- 150.00	100.00(A)
15.268	15.268 (0.965)	64	3778773			0.00- 80.45	30.48
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	6901627	200.000	218.79	50.00- 150.00	100.00(A)
15.351	15.351 (0.970)	43	18866521			223.93- 323.93	273.36
15.351	15.351 (0.970)	57	8519643			70.43- 170.43	123.44
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	9663456	200.000	215.26	50.00- 150.00	100.00(A)
16.291	16.291 (1.030)	130	9654565			50.64- 150.64	99.91
16.291	16.291 (1.030)	97	6219982			16.00- 116.00	64.37
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	8679798	200.000	219.46	50.00- 150.00	100.00(A)
16.761	16.761 (1.059)	62	6401870			23.77- 123.77	73.76
16.761	16.761 (1.059)	41	6738060			42.00- 142.00	77.63
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.899 (1.068)	88	5062535	200.000	204.86	50.00- 150.00	100.00(A)
16.899	16.899 (1.068)	58	4207116			33.55- 133.55	83.10
16.899	16.899 (1.068)	57	1540915			0.00- 81.45	30.44
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	17018101	200.000	216.85	50.00- 150.00	100.00(A)
17.204	17.204 (1.087)	85	10517869			12.45- 112.45	61.80
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.978	17.978 (1.136)	75	13208528	200.000	224.19	50.00- 150.00	100.00(A)
17.978	17.978 (1.136)	77	4157853			0.00- 82.24	31.48
17.978	17.978 (1.136)	39	10586568			34.92- 134.92	80.15
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	8401081	200.000	240.65	50.00- 150.00	100.00(A)
18.171	18.171 (1.149)	43	26030285			265.62- 365.62	309.84
18.171	18.171 (1.149)	85	2852895			0.00- 85.05	33.96

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
114 Toluene					CAS #: 108-88-3		
18.531	18.531 (1.171)	91	24613874	200.000	222.30	50.00- 150.00	100.00(A)
18.531	18.531 (1.171)	92	15111009			11.91- 111.91	61.39
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	12888747	200.000	211.21	50.00- 150.00	100.00(A)
18.973	18.973 (0.903)	77	3986903			0.00- 83.39	30.93
18.973	18.973 (0.903)	39	9535350			32.13- 132.13	73.98
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	8692932	200.000	209.08	50.00- 150.00	100.00(A)
19.333	19.333 (0.920)	99	5418063			14.76- 114.76	62.33
19.333	19.333 (0.920)	83	7462853			35.56- 135.56	85.85
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	11242940	200.000	201.76	50.00- 150.00	100.00(A)
19.498	19.498 (0.928)	129	8385251			25.51- 125.51	74.58
19.498	19.498 (0.928)	131	8042307			21.35- 121.35	71.53
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	11732841	200.000	220.86	50.00- 150.00	100.00(A)
19.637	19.637 (0.934)	43	26051124			179.26- 279.26	222.04
19.637	19.637 (0.934)	100	1699149			0.00- 65.02	14.48
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	15224387	200.000	214.34	50.00- 150.00	100.00(A)
20.024	20.024 (0.953)	127	11681370			29.86- 129.86	76.73
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.273	20.273 (0.964)	107	13024507	200.000	213.71	50.00- 150.00	100.00(A)
20.300	20.300 (0.966)	109	12334686			43.91- 143.91	94.70
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	18181872	200.000	212.64	50.00- 150.00	100.00(A)
21.075	21.075 (1.003)	114	5802765			0.00- 83.09	31.92
21.075	21.075 (1.003)	77	11090147			23.53- 123.53	61.00
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	9161356	200.000	219.29	50.00- 150.00	100.00(A)
21.157	21.157 (1.007)	91	27953305			273.41- 373.41	305.12
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	22344531	400.000	450.82	50.00- 150.00	100.00(A)
21.351	21.351 (1.016)	91	34400446			150.37- 250.37	153.95
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	9560221	200.000	214.83	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	20033321			159.32- 259.32	209.55
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	16262750	200.000	247.97	50.00- 150.00	100.00(A)
22.098	22.098 (1.051)	78	8249611			7.91- 107.91	50.73
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	11553523	200.000	228.80	50.00- 150.00	100.00(A)
22.512	22.512 (1.071)	171	5927986			1.17- 101.17	51.31
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	27357583	200.000	215.50	50.00- 150.00	100.00(A)
22.651	22.651 (1.078)	120	7128678			0.00- 75.76	26.06
22.651	22.651 (1.078)	51	4041611			0.00- 67.97	14.77
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	12648119	200.000	224.87	50.00- 150.00	100.00(A)
23.231	23.231 (1.105)	85	7819459			13.15- 113.15	61.82
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	29944951	200.000	206.45	50.00- 150.00	100.00(A)
23.342	23.342 (1.110)	120	7200705			0.00- 72.76	24.05
23.342	23.342 (1.110)	105	1175159			0.00- 54.33	3.92
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	25299444	200.000	218.12	50.00- 150.00	100.00(A)
23.508	23.508 (1.118)	120	7580077			0.00- 80.08	29.96
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	18056433	200.000	208.64	50.00- 150.00	100.00(A)
23.618	23.618 (1.124)	120	8944599			0.00- 99.50	49.54
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	16597138	200.000	208.78	50.00- 150.00	100.00(A)
24.254	24.254 (1.154)	120	7739790			0.00- 95.95	46.63
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	10590703	200.000	210.56	50.00- 150.00	100.00(A)
24.807	24.807 (1.180)	148	6765351			15.26- 115.26	63.88
24.807	24.807 (1.180)	111	4266764			0.00- 92.21	40.29
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	10376800	200.000	209.38	50.00- 150.00	100.00(A)
24.973	24.973 (1.188)	148	6630999			15.51- 115.51	63.90
24.973	24.973 (1.188)	111	3978121			0.00- 88.70	38.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	15827420	200.000	214.93	50.00- 150.00	100.00(A)
25.167	25.167 (1.197)	126	3177804			0.00- 70.08	20.08
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	9020477	200.000	207.54	50.00- 150.00	100.00(A)
25.609	25.609 (1.218)	148	5759514			16.91- 116.91	63.85
25.609	25.609 (1.218)	111	3756265			0.00- 92.36	41.64
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	5159143	200.000	229.22	50.00- 150.00	100.00(A)
28.429	28.429 (1.353)	182	4754018			40.88- 140.88	92.15
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	3933966	200.000	210.00	50.00- 150.00	100.00(A)
28.623	28.623 (1.362)	223	2486149			14.66- 114.66	63.20
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	7274177	100.000	118.27	50.00- 150.00	100.00(A)
28.982	28.982 (1.379)	127	920363			0.00- 62.82	12.65
29 Isopentane					CAS #: 78-78-4		
8.328	8.328 (0.593)	43	12109878	200.000	207.23	50.00- 150.00	100.00(A)
8.328	8.328 (0.593)	57	7127585			8.33- 108.33	58.86
19 Butane					CAS #: 106-97-8		
6.918	6.918 (0.492)	58	631673	200.000	135.75	50.00- 150.00	100.00
6.918	6.918 (0.492)	43	6114742			910.72-1010.72	968.02
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	9701266	200.000	222.83	50.00- 150.00	100.00(A)
16.568	16.568 (1.179)	98	4153198			0.00- 93.56	42.81
16.568	16.568 (1.179)	55	10569394			63.60- 163.60	108.95

QC Flag Legend

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

Report Date: 06-Dec-2006 12:29

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t120518.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/05Dec2006.b/t14qd05a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 05-DEC-2006
Calibration Time: 18:08
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	595041	357025	833057	570078	-4.20
97 1,4-Difluorobenze	2448866	1469320	3428412	2598042	6.09
126 Chlorobenzene-d5	1654981	992989	2316973	1876544	13.39

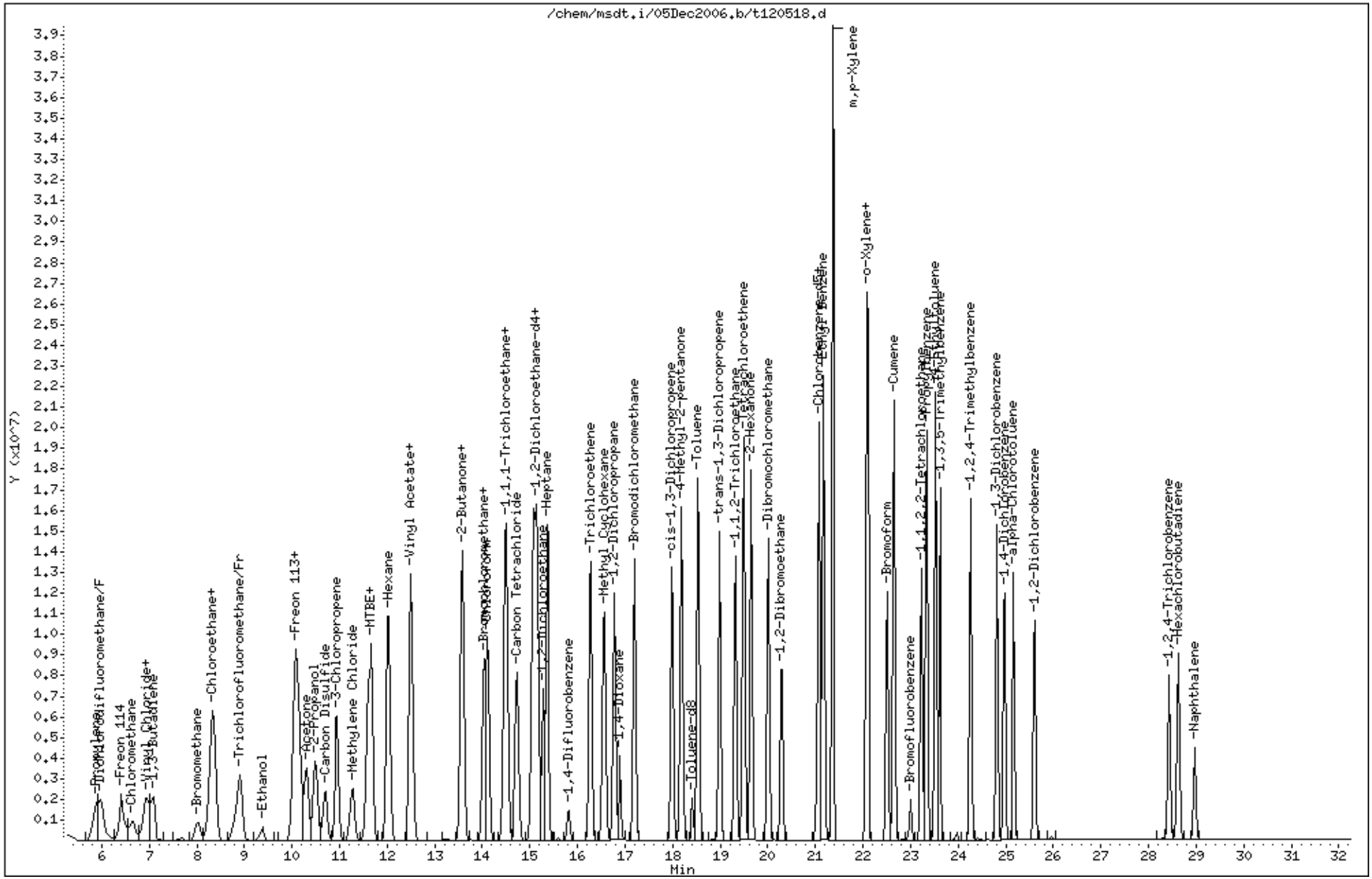
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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/05Dec2006.b/t120518.d
Date : 05-DEC-2006 19:24
Client ID: Level 7
Sample Info: 200mL #1408-195

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

Column phase: RTx-624



0162

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0612086-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 09:45 AM**	

Compound	%Recovery
Freon 12	107
Freon 114	98
Chloromethane	100
Vinyl Chloride	103
1,3-Butadiene	110
Bromomethane	104
Chloroethane	102
Freon 11	111
Ethanol	104
Freon 113	105
1,1-Dichloroethene	114
Acetone	103
2-Propanol	108
Carbon Disulfide	104
3-Chloropropene	100
Methylene Chloride	105
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	105
Hexane	106
1,1-Dichloroethane	107
2-Butanone (Methyl Ethyl Ketone)	109
cis-1,2-Dichloroethene	109
Tetrahydrofuran	113
Chloroform	113
1,1,1-Trichloroethane	106
Cyclohexane	102
Carbon Tetrachloride	106
2,2,4-Trimethylpentane	107
Benzene	110
1,2-Dichloroethane	110
Heptane	107
Trichloroethene	109
1,2-Dichloropropane	109
1,4-Dioxane	102
Bromodichloromethane	112
cis-1,3-Dichloropropene	110
4-Methyl-2-pentanone	115
Toluene	108
trans-1,3-Dichloropropene	108

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0612086-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121303**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 09:45 AM**	

Compound	%Recovery
1,1,2-Trichloroethane	107
Tetrachloroethene	107
2-Hexanone	106
Dibromochloromethane	113
1,2-Dibromoethane (EDB)	110
Chlorobenzene	106
Ethyl Benzene	105
m,p-Xylene	109
o-Xylene	105
Styrene	114
Bromoform	115
Cumene	107
1,1,2,2-Tetrachloroethane	107
Propylbenzene	105
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	105
1,2,4-Trichlorobenzene	117
Hexachlorobutadiene	116

Container Type: NA - Not Applicable

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

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 13-DEC-2006 09:45
Lab File ID: t121303.d Init. Cal. Date(s): 05-DEC-2006 07-DEC-2006
Analysis Type: AIR Init. Cal. Times: 15:27 10:51
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/13Dec2006.b/t14qd05b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.85279	1.89791	0.010	-2.43537	30.00000	Averaged
$ 113 Toluene-d8	0.90380	0.92526	0.010	-2.37442	30.00000	Averaged
$ 137 Bromofluorobenzene	0.46605	0.46284	0.010	0.68925	30.00000	Averaged
11 Propylene	0.94387	0.98992	0.010	-4.87858	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	1.99251	2.13304	0.010	-7.05286	30.00000	Averaged
16 Freon 114	1.09825	1.07685	0.010	1.94839	30.00000	Averaged
18 Chloromethane	0.80296	0.80528	0.010	-0.28821	30.00000	Averaged
20 Vinyl Chloride	0.78887	0.81012	0.010	-2.69454	30.00000	Averaged
22 1,3-Butadiene	1.05050	1.15145	0.010	-9.60911	30.00000	Averaged
25 Bromomethane	0.59839	0.62214	0.010	-3.96965	30.00000	Averaged
27 Chloroethane	0.34169	0.34956	0.010	-2.30502	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	3.27140	3.62711	0.010	-10.87358	30.00000	Averaged
38 Ethanol	0.71867	0.74409	0.010	-3.53710	30.00000	Averaged
42 Freon 113	2.17973	2.29027	0.010	-5.07109	30.00000	Averaged
43 1,1-Dichloroethene	2.69111	3.05672	0.010	-13.58557	30.00000	Averaged
45 Acetone	0.84885	0.87313	0.010	-2.86039	30.00000	Averaged
46 2-Propanol	3.62376	3.90370	0.010	-7.72505	30.00000	Averaged
47 Carbon Disulfide	3.27514	3.41398	0.010	-4.23906	30.00000	Averaged
51 3-Chloropropene	0.65830	0.66186	0.010	-0.54107	30.00000	Averaged
54 Methylene Chloride	2.08137	2.19293	0.010	-5.36028	30.00000	Averaged
60 MTBE	3.97103	4.15738	0.010	-4.69292	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.36825	1.43484	0.010	-4.86682	30.00000	Averaged
65 Hexane	2.70384	2.87246	0.010	-6.23617	30.00000	Averaged
69 Vinyl Acetate	0.33148	0.31666	0.010	4.46865	30.00000	Averaged
70 1,1-Dichloroethane	3.01767	3.22451	0.010	-6.85427	30.00000	Averaged
75 2-Butanone	0.65799	0.71991	0.010	-9.40958	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.45121	2.68362	0.010	-9.48140	30.00000	Averaged
80 Tetrahydrofuran	2.38499	2.69976	0.010	-13.19760	30.00000	Averaged
82 Chloroform	2.90193	3.28672	0.010	-13.25957	30.00000	Averaged
83 1,1,1-Trichloroethane	2.64764	2.82230	0.010	-6.59705	30.00000	Averaged
85 Cyclohexane	1.51098	1.53990	0.010	-1.91358	30.00000	Averaged
87 Carbon Tetrachloride	2.61927	2.78941	0.010	-6.49563	30.00000	Averaged
89 2,2,4-Trimethylpentane	7.83339	8.38478	0.010	-7.03895	40.00000	Averaged
91 Benzene	0.95187	1.05068	0.010	-10.38037	30.00000	Averaged
93 1,2-Dichloroethane	0.58375	0.64501	0.010	-10.49303	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 13-DEC-2006 09:45
Lab File ID: t121303.d Init. Cal. Date(s): 05-DEC-2006 07-DEC-2006
Analysis Type: AIR Init. Cal. Times: 15:27 10:51
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/13Dec2006.b/t14qd05b.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
94 Heptane	0.30354	0.32508	0.010	-7.09629	30.00000	Averaged
101 Trichloroethene	0.43198	0.47109	0.010	-9.05406	30.00000	Averaged
104 1,2-Dichloropropane	0.38059	0.41414	0.010	-8.81633	30.00000	Averaged
106 1,4-Dioxane	0.23779	0.24144	0.010	-1.53515	30.00000	Averaged
107 Bromodichloromethane	0.75517	0.84678	0.010	-12.13140	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.56694	0.62515	0.010	-10.26762	30.00000	Averaged
111 4-Methyl-2-pentanone	0.33592	0.38661	0.010	-15.08849	30.00000	Averaged
114 Toluene	1.06545	1.15700	0.010	-8.59264	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.81297	0.88026	0.010	-8.27681	30.00000	Averaged
117 1,1,2-Trichloroethane	0.55391	0.59065	0.010	-6.63199	30.00000	Averaged
120 Tetrachloroethene	0.74238	0.79523	0.010	-7.11794	30.00000	Averaged
121 2-Hexanone	0.70774	0.74758	0.010	-5.62792	30.00000	Averaged
122 Dibromochloromethane	0.94630	1.07097	0.010	-13.17460	30.00000	Averaged
123 1,2-Dibromoethane	0.81192	0.88948	0.010	-9.55313	30.00000	Averaged
127 Chlorobenzene	1.13916	1.21031	0.010	-6.24577	30.00000	Averaged
128 Ethyl Benzene	0.55658	0.58413	0.010	-4.95054	30.00000	Averaged
129 m,p-Xylene	0.66032	0.71955	0.010	-8.97103	30.00000	Averaged
130 o-Xylene	0.59286	0.62124	0.010	-4.78756	30.00000	Averaged
131 Styrene	0.87372	0.99308	0.010	-13.66085	30.00000	Averaged
133 Bromoform	0.67273	0.77667	0.010	-15.44914	30.00000	Averaged
134 Cumene	1.69129	1.81419	0.010	-7.26641	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	0.74933	0.80502	0.010	-7.43073	30.00000	Averaged
142 Propylbenzene	1.93235	2.03573	0.010	-5.34979	30.00000	Averaged
145 4-Ethyltoluene	1.54524	1.61262	0.010	-4.36064	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.15296	1.20202	0.010	-4.25468	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.05905	1.09489	0.010	-3.38404	30.00000	Averaged
155 1,3-Dichlorobenzene	0.67010	0.70938	0.010	-5.86163	30.00000	Averaged
156 1,4-Dichlorobenzene	0.66024	0.69193	0.010	-4.79867	30.00000	Averaged
159 alpha-Chlorotoluene	0.98106	1.01534	0.010	-3.49387	30.00000	Averaged
161 1,2-Dichlorobenzene	0.57903	0.60822	0.010	-5.04081	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.29985	0.35182	0.010	-17.33329	30.00000	Averaged
166 Hexachlorobutadiene	0.24958	0.29033	0.010	-16.32873	30.00000	Averaged
167 Naphthalene	0.81936	0.92739	0.010	-13.18514	40.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121303.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 13-DEC-2006 09:45
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1408-195
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
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

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane						CAS #: 74-97-5	
14.052	14.052 (1.000)	130	547073	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	421450			27.04- 127.04	77.04
14.052	14.052 (1.000)	49	1635543			248.96- 348.96	298.96
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
15.821	15.821 (1.000)	114	2273564	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	357570			0.00- 65.73	15.73
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
21.019	21.019 (1.000)	117	1579200	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	914480			6.96- 106.96	57.91
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
15.130	15.130 (1.077)	65	1038295	25.0000	25.609	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	555371			0.94- 100.94	53.49
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.420	18.420 (1.164)	98	2103640	25.0000	25.594	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	245858			0.00- 61.57	11.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1420389			17.69- 117.69	67.52
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	730910	25.0000	24.828	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	929798			77.21- 177.21	127.21
23.010	23.010 (1.095)	176	725990			49.33- 149.33	99.33
11 Propylene					CAS #: 115-07-1		
5.867	5.867 (0.418)	41	1083113	50.0000	52.439	80.00- 120.00	100.00
5.895	5.895 (0.420)	42	711228			15.37- 115.37	65.67
5.867	5.867 (0.418)	39	861812			29.72- 129.72	79.57
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
6.006	6.006 (0.427)	85	2333856	50.0000	53.526	80.00- 120.00	100.00
6.006	6.006 (0.427)	87	737256			0.00- 81.72	31.59
16 Freon 114					CAS #: 76-14-2		
6.420	6.420 (0.457)	135	1178234	50.0000	49.026	80.00- 120.00	100.00
6.420	6.420 (0.457)	137	378380			0.00- 82.11	32.11
18 Chloromethane					CAS #: 74-87-3		
6.641	6.641 (0.473)	50	881093	50.0000	50.144	80.00- 120.00	100.00
6.641	6.641 (0.473)	52	280562			0.00- 86.11	31.84
20 Vinyl Chloride					CAS #: 75-01-4		
6.973	6.973 (0.496)	62	886393	50.0000	51.347	80.00- 120.00	100.00
6.973	6.973 (0.496)	64	277451			0.00- 87.67	31.30
22 1,3-Butadiene					CAS #: 106-99-0		
7.056	7.056 (0.502)	54	1259851	50.0000	54.804	80.00- 120.00	100.00
7.056	7.056 (0.502)	39	1605520			74.46- 174.46	127.44
25 Bromomethane					CAS #: 74-83-9		
8.052	8.052 (0.573)	94	680717	50.0000	51.985	80.00- 120.00	100.00
8.052	8.052 (0.573)	96	657368			46.57- 146.57	96.57
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	382471	50.0000	51.152	80.00- 120.00	100.00
8.328	8.328 (0.593)	49	169597			0.00- 92.66	44.34
8.328	8.328 (0.593)	66	117060			0.00- 80.63	30.61
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.909	8.909 (0.634)	101	3968593	50.0000	55.437	80.00- 120.00	100.00
8.909	8.909 (0.634)	103	2563505			14.59- 114.59	64.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.351	9.351 (0.665)	45	814141	50.0000	51.768	80.00- 120.00	100.00
9.351	9.351 (0.665)	43	182755			0.00- 73.15	22.45
9.351	9.351 (0.665)	46	300295			0.00- 85.75	36.88
42 Freon 113					CAS #: 76-13-1		
10.070	10.070 (0.717)	151	2505887	50.0000	52.536	80.00- 120.00	100.00
10.070	10.070 (0.717)	153	1595880			13.69- 113.69	63.69
10.042	10.042 (0.715)	101	3062217			72.20- 172.20	122.20
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.153	10.153 (0.723)	61	3344495	50.0000	56.793	80.00- 120.00	100.00
10.153	10.153 (0.723)	96	1497756			0.00- 94.78	44.78
10.153	10.153 (0.723)	98	938841			0.00- 78.07	28.07
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	955337	50.0000	51.430	80.00- 120.00	100.00
10.291	10.291 (0.732)	43	4409099			391.57- 491.57	461.52
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	4271215	50.0000	53.862	80.00- 120.00	100.00
10.485	10.485 (0.746)	43	973986			0.00- 71.85	22.80
10.485	10.485 (0.746)	59	129586			0.00- 53.30	3.03
47 Carbon Disulfide					CAS #: 75-15-0		
10.678	10.678 (0.760)	76	3735388	50.0000	52.120	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	724176	50.0000	50.270	80.00- 120.00	100.00
10.927	10.927 (0.778)	41	3485286			409.83- 509.83	481.28
54 Methylene Chloride					CAS #: 75-09-2		
11.259	11.259 (0.801)	49	2399391	50.0000	52.680	80.00- 120.00	100.00
11.259	11.259 (0.801)	84	1130806			0.00- 97.13	47.13
11.259	11.259 (0.801)	51	697107			0.00- 79.91	29.05
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	4548785	50.0000	52.346	80.00- 120.00	100.00
11.591	11.591 (0.825)	57	1233103			0.00- 77.11	27.11
11.591	11.591 (0.825)	41	1569941			0.00- 85.57	34.51
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	1569926	50.0000	52.433	80.00- 120.00	100.00
11.674	11.674 (0.831)	61	2899599			134.70- 234.70	184.70
11.674	11.674 (0.831)	98	989192			14.30- 114.30	63.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	3142890	50.0000	53.118	80.00- 120.00	100.00
12.033	12.033 (0.856)	43	2471978			26.89- 126.89	78.65
12.033	12.033 (0.856)	86	351080			0.00- 61.23	11.17
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	346477	50.0000	47.766	80.00- 120.00	100.00
12.503	12.503 (0.890)	43	7103531			1782.11-1882.11	2050.22
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	3528080	50.0000	53.427	80.00- 120.00	100.00
12.531	12.531 (0.892)	65	1076714			0.00- 80.52	30.52
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	787686	50.0000	54.705	80.00- 120.00	100.00
13.554	13.554 (0.965)	43	5575017			657.77- 757.77	707.77
13.554	13.554 (0.965)	57	349255			0.00- 95.87	44.34
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	2936272	50.0000	54.741	80.00- 120.00	100.00
13.582	13.582 (0.967)	96	1707432			8.15- 108.15	58.15
13.582	13.582 (0.967)	98	1097752			0.00- 87.39	37.39
80 Tetrahydrofuran					CAS #: 109-99-9		
14.052	14.052 (1.000)	42	2953927	50.0000	56.599	80.00- 120.00	100.00
14.052	14.052 (1.000)	71	749484			0.00- 75.37	25.37
14.052	14.052 (1.000)	72	774884			0.00- 77.09	26.23
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	3596147	50.0000	56.630	80.00- 120.00	100.00
14.107	14.107 (1.004)	85	2261791			12.89- 112.89	62.89
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	3088010	50.0000	53.298	80.00- 120.00	100.00
14.466	14.466 (1.030)	99	1974193			13.93- 113.93	63.93
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	1684870	50.0000	50.957	80.00- 120.00	100.00
14.494	14.494 (1.031)	56	2687999			109.54- 209.54	159.54
14.494	14.494 (1.031)	41	1900203			62.78- 162.78	112.78
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	3052023	50.0000	53.248	80.00- 120.00	100.00
14.743	14.743 (1.049)	117	3161164			53.58- 153.58	103.58
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	9174177	50.0000	53.519	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.075	15.075 (1.073)	56	3058716			0.00- 83.72	33.34
15.075	15.075 (1.073)	41	3146457			0.00- 83.32	34.30
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	4777573	50.0000	55.190	80.00- 120.00	100.00
15.158	15.158 (0.958)	77	1098684			0.00- 72.75	23.00
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	2932931	50.0000	55.246	80.00- 120.00	100.00
15.268	15.268 (0.965)	64	894871			0.00- 80.45	30.51
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	1478162	50.0000	53.548	80.00- 120.00	100.00
15.379	15.379 (0.972)	43	4234023			223.93- 323.93	286.44
15.379	15.379 (0.972)	57	1829237			70.43- 170.43	123.75
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	2142103	50.0000	54.527	80.00- 120.00	100.00
16.291	16.291 (1.030)	130	2115827			48.77- 148.77	98.77
16.291	16.291 (1.030)	97	1381408			14.49- 114.49	64.49
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	1883157	50.0000	54.408	80.00- 120.00	100.00
16.761	16.761 (1.059)	62	1383843			23.49- 123.49	73.49
16.761	16.761 (1.059)	41	1651519			37.70- 137.70	87.70
106 1,4-Dioxane					CAS #: 123-91-1		
16.899	16.899 (1.068)	88	1097868	50.0000	50.768	80.00- 120.00	100.00
16.899	16.899 (1.068)	58	928592			34.58- 134.58	84.58
16.899	16.899 (1.068)	57	341994			0.00- 81.45	31.15
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	3850414	50.0000	56.066	80.00- 120.00	100.00
17.204	17.204 (1.087)	85	2411360			12.63- 112.63	62.63
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.005	18.005 (1.138)	75	2842659	50.0000	55.134	80.00- 120.00	100.00
18.005	18.005 (1.138)	77	901058			0.00- 81.70	31.70
17.978	17.978 (1.136)	39	2472505			36.98- 136.98	86.98
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.171	18.171 (1.149)	58	1757964	50.0000	57.544	80.00- 120.00	100.00
18.171	18.171 (1.149)	43	5654151			265.62- 365.62	321.63
18.171	18.171 (1.149)	85	590078			0.00- 85.05	33.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.558	18.558 (1.173)	91	5261040	50.0000	54.296	80.00- 120.00	100.00
18.531	18.531 (1.171)	92	3182000			10.48- 110.48	60.48
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	2780220	50.0000	54.138	80.00- 120.00	100.00
18.973	18.973 (0.903)	77	879702			0.00- 81.64	31.64
18.973	18.973 (0.903)	39	2209427			29.47- 129.47	79.47
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1865510	50.0000	53.316	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	1168621			12.64- 112.64	62.64
19.333	19.333 (0.920)	83	1596974			35.61- 135.61	85.61
120 Tetrachloroethene					CAS #: 127-18-4		
19.498	19.498 (0.928)	166	2511640	50.0000	53.559	80.00- 120.00	100.00
19.498	19.498 (0.928)	129	1855415			23.87- 123.87	73.87
19.498	19.498 (0.928)	131	1809668			22.05- 122.05	72.05
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	2361144	50.0000	52.814	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	5522078			183.87- 283.87	233.87
19.637	19.637 (0.934)	100	339699			0.00- 65.02	14.39
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	3382546	50.0000	56.587	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	2612489			29.86- 129.86	77.23
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.300	20.300 (0.966)	107	2809345	50.0000	54.776	80.00- 120.00	100.00
20.300	20.300 (0.966)	109	2667589			44.95- 144.95	94.95
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	3822639	50.0000	53.123	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	1228690			0.00- 82.14	32.14
21.075	21.075 (1.003)	77	2371689			12.04- 112.04	62.04
128 Ethyl Benzene					CAS #: 100-41-4		
21.157	21.157 (1.007)	106	1844922	50.0000	52.475	80.00- 120.00	100.00
21.157	21.157 (1.007)	91	5997209			273.41- 373.41	325.07
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	4545280	100.000	108.97	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	9190926			150.37- 250.37	202.21
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1962122	50.0000	52.394	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
22.070	22.070 (1.050)	91	4182952			163.19- 263.19	213.19
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	3136540	50.0000	56.830	80.00- 120.00	100.00
22.098	22.098 (1.051)	78	1693560			3.99- 103.99	53.99
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	2453022	50.0000	57.724	80.00- 120.00	100.00
22.512	22.512 (1.071)	171	1249316			0.93- 100.93	50.93
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	5729942	50.0000	53.633	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	1464092			0.00- 75.76	25.55
22.651	22.651 (1.078)	51	886537			0.00- 67.97	15.47
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	2542562	50.0000	53.715	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1600633			12.95- 112.95	62.95
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	6429650	50.0000	52.675	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	1446915			0.00- 72.76	22.50
23.342	23.342 (1.110)	105	236943			0.00- 54.33	3.69
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	5093297	50.0000	52.180	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	1511957			0.00- 79.69	29.69
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	3796457	50.0000	52.127	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1879355			0.00- 99.50	49.50
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	3458094	50.0000	51.692	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1603393			0.00- 95.95	46.37
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	2240491	50.0000	52.931	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	1434134			15.26- 115.26	64.01
24.807	24.807 (1.180)	111	912214			0.00- 92.21	40.71
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	2185380	50.0000	52.399	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	1407787			15.51- 115.51	64.42
24.973	24.973 (1.188)	111	850040			0.00- 88.70	38.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	3206835	50.0000	51.747	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	618090			0.00- 70.08	19.27
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1921009	50.0000	52.520	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	1230925			14.08- 114.08	64.08
25.609	25.609 (1.218)	111	805412			0.00- 91.93	41.93
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	1111198	50.0000	58.667	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	1016149			41.45- 141.45	91.45
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	916973	50.0000	58.164	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	578424			14.66- 114.66	63.08
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1464540	25.0000	28.296	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	192170			0.00- 62.82	13.12

Report Date: 13-Dec-2006 11:15

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121303.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	547073	0.00
97 1,4-Difluorobenze	2273564	1364138	3182990	2273564	0.00
126 Chlorobenzene-d5	1579200	947520	2210880	1579200	0.00

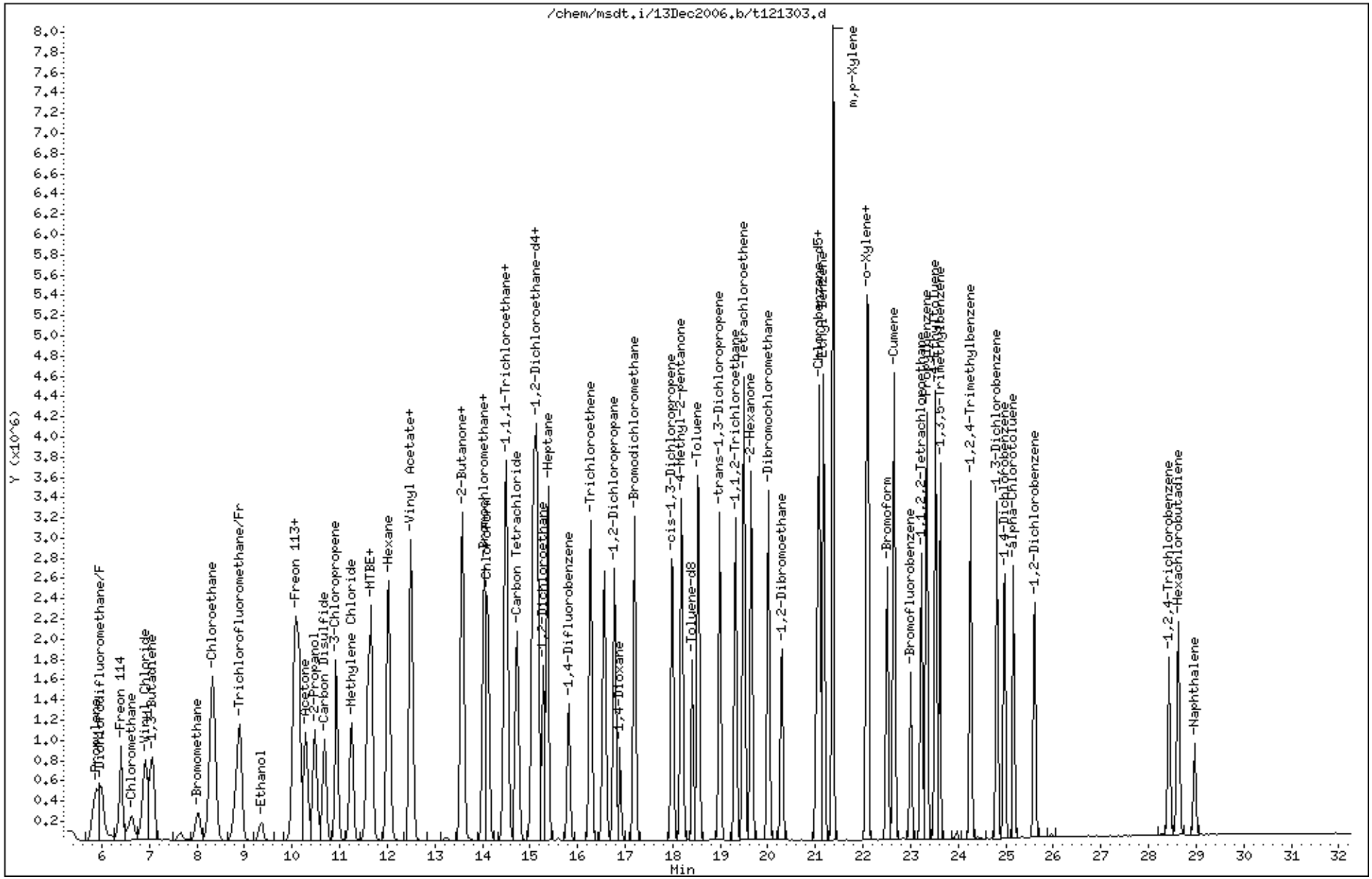
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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/13Dec2006.b/t121303.d
Date : 13-DEC-2006 09:45
Client ID: CCV-1
Sample Info: 50mL #1408-195

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

Column phase: RTx-624



0176

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0612086-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 11:32 AM**	

Compound	%Recovery
Freon 12	107
Freon 114	111
Chloromethane	99
Vinyl Chloride	103
1,3-Butadiene	118
Bromomethane	107
Chloroethane	101
Freon 11	119
Ethanol	118
Freon 113	105
1,1-Dichloroethene	114
Acetone	101
2-Propanol	112
Carbon Disulfide	112
3-Chloropropene	110
Methylene Chloride	119
Methyl tert-butyl ether	105
trans-1,2-Dichloroethene	105
Hexane	106
1,1-Dichloroethane	106
2-Butanone (Methyl Ethyl Ketone)	111
cis-1,2-Dichloroethene	112
Tetrahydrofuran	112
Chloroform	113
1,1,1-Trichloroethane	109
Cyclohexane	102
Carbon Tetrachloride	109
2,2,4-Trimethylpentane	112
Benzene	114
1,2-Dichloroethane	113
Heptane	108
Trichloroethene	113
1,2-Dichloropropane	112
1,4-Dioxane	103
Bromodichloromethane	110
cis-1,3-Dichloropropene	74
4-Methyl-2-pentanone	113
Toluene	109
trans-1,3-Dichloropropene	133 Q

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0612086-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t121305**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/13/06 11:32 AM**	

Compound	%Recovery
1,1,2-Trichloroethane	115
Tetrachloroethene	116
2-Hexanone	111
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	114
Chlorobenzene	112
Ethyl Benzene	118
m,p-Xylene	109
o-Xylene	95
Styrene	133 Q
Bromoform	97
Cumene	113
1,1,2,2-Tetrachloroethane	113
Propylbenzene	112
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	91
1,2,4-Trimethylbenzene	73
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	111
alpha-Chlorotoluene	114
1,2-Dichlorobenzene	109
1,2,4-Trichlorobenzene	97
Hexachlorobutadiene	102

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121305.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 13-DEC-2006 11:32
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1408-257
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR-2.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	566734	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	431373			27.04- 127.04	76.12
14.052	14.052 (1.000)	49	1661126			248.96- 348.96	293.11
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2286277	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	357108			0.00- 65.73	15.62
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1485168	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	844442			6.96- 106.96	56.86
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	1057682	25.1820	25.182	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	560413			0.94- 100.94	52.99
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	2048237	24.7810	24.781	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	237447			0.00- 61.57	11.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1382438			17.69- 117.69	67.49
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	694497	25.0844	25.084	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	859418			77.21- 177.21	123.75
23.010	23.010 (1.095)	176	672389			49.33- 149.33	96.82
11 Propylene					CAS #: 115-07-1		
5.868	5.867 (0.418)	41	1067713	49.9003	49.900	80.00- 120.00	100.00
5.868	5.895 (0.418)	42	702805			15.37- 115.37	65.82
5.868	5.867 (0.418)	39	864547			29.72- 129.72	80.97
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.978	6.006 (0.425)	85	2419027	53.5551	53.555	80.00- 120.00	100.00
5.978	6.006 (0.425)	87	760624			0.00- 81.72	31.44
16 Freon 114					CAS #: 76-14-2		
6.393	6.420 (0.455)	135	1380862	55.4638	55.464	80.00- 120.00	100.00
6.393	6.420 (0.455)	137	441206			0.00- 82.11	31.95
18 Chloromethane					CAS #: 74-87-3		
6.642	6.641 (0.473)	50	904176	49.6726	49.673	80.00- 120.00	100.00
6.642	6.641 (0.473)	52	292816			0.00- 86.11	32.38
20 Vinyl Chloride					CAS #: 75-01-4		
6.973	6.973 (0.496)	62	921901	51.5515	51.552	80.00- 120.00	100.00
6.973	6.973 (0.496)	64	281201			0.00- 87.67	30.50
22 1,3-Butadiene					CAS #: 106-99-0		
7.056	7.056 (0.502)	54	1400931	58.8275	58.827	80.00- 120.00	100.00
7.029	7.056 (0.500)	39	1704378			74.46- 174.46	121.66
25 Bromomethane					CAS #: 74-83-9		
8.024	8.052 (0.571)	94	728280	53.6876	53.688	80.00- 120.00	100.00
8.024	8.052 (0.571)	96	688213			46.57- 146.57	94.50
27 Chloroethane					CAS #: 75-00-3		
8.328	8.328 (0.593)	64	391673	50.5659	50.566	80.00- 120.00	100.00
8.328	8.328 (0.593)	49	167165			0.00- 92.66	42.68
8.328	8.328 (0.593)	66	119278			0.00- 80.63	30.45
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.881	8.909 (0.632)	101	4428438	59.7143	59.714	80.00- 120.00	100.00
8.881	8.909 (0.632)	103	2857066			14.59- 114.59	64.52

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.324	9.351 (0.664)	45	961704	59.0301	59.030	80.00- 120.00	100.00
9.324	9.351 (0.664)	43	223093			0.00- 73.15	23.20
9.324	9.351 (0.664)	46	349901			0.00- 85.75	36.38
42 Freon 113					CAS #: 76-13-1		
10.043	10.070 (0.715)	151	2586722	52.3489	52.349	80.00- 120.00	100.00
10.043	10.070 (0.715)	153	1682983			13.69- 113.69	65.06
10.043	10.042 (0.715)	101	3213207			72.20- 172.20	124.22
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.153	10.153 (0.723)	61	3487434	57.1656	57.166	80.00- 120.00	100.00
10.153	10.153 (0.723)	96	1567365			0.00- 94.78	44.94
10.153	10.153 (0.723)	98	1000460			0.00- 78.07	28.69
45 Acetone					CAS #: 67-64-1		
10.291	10.291 (0.732)	58	976042	50.7220	50.722	80.00- 120.00	100.00
10.291	10.291 (0.732)	43	4457248			391.57- 491.57	456.67
46 2-Propanol					CAS #: 67-63-0		
10.485	10.485 (0.746)	45	4605427	56.0623	56.062	80.00- 120.00	100.00
10.485	10.485 (0.746)	43	999901			0.00- 71.85	21.71
10.485	10.485 (0.746)	59	139656			0.00- 53.30	3.03
47 Carbon Disulfide					CAS #: 75-15-0		
10.679	10.678 (0.760)	76	4149744	55.8923	55.892	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.927	10.927 (0.778)	76	823937	55.2115	55.211	80.00- 120.00	100.00
10.927	10.927 (0.778)	41	3951409			409.83- 509.83	479.58
54 Methylene Chloride					CAS #: 75-09-2		
11.232	11.259 (0.799)	49	2818961	59.7449	59.745	80.00- 120.00	100.00
11.232	11.259 (0.799)	84	1316202			0.00- 97.13	46.69
11.232	11.259 (0.799)	51	827762			0.00- 79.91	29.36
60 MTBE					CAS #: 1634-04-4		
11.591	11.591 (0.825)	73	4724157	52.4786	52.478	80.00- 120.00	100.00
11.591	11.591 (0.825)	57	1286999			0.00- 77.11	27.24
11.591	11.591 (0.825)	41	1603355			0.00- 85.57	33.94
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.674	11.674 (0.831)	96	1635951	52.7430	52.743	80.00- 120.00	100.00
11.674	11.674 (0.831)	61	3022255			134.70- 234.70	184.74
11.674	11.674 (0.831)	98	1031800			14.30- 114.30	63.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
12.033	12.033 (0.856)	57	3253425	53.0787	53.079	80.00- 120.00	100.00
12.006	12.033 (0.854)	43	2534752			26.89- 126.89	77.91
12.033	12.033 (0.856)	86	360812			0.00- 61.23	11.09
69 Vinyl Acetate					CAS #: 108-05-4		
12.503	12.503 (0.890)	86	360329	47.9520	47.952	80.00- 120.00	100.00
12.503	12.503 (0.890)	43	7179771			1782.11-1882.11	1992.56
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.531	12.531 (0.892)	63	3645269	53.2867	53.287	80.00- 120.00	100.00
12.531	12.531 (0.892)	65	1102105			0.00- 80.52	30.23
75 2-Butanone					CAS #: 78-93-3		
13.554	13.554 (0.965)	72	829348	55.6000	55.600	80.00- 120.00	100.00
13.554	13.554 (0.965)	43	5781441			657.77- 757.77	697.11
13.554	13.554 (0.965)	57	374019			0.00- 95.87	45.10
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.582	13.582 (0.967)	61	3099551	55.7800	55.780	80.00- 120.00	100.00
13.582	13.582 (0.967)	96	1834760			8.15- 108.15	59.19
13.582	13.582 (0.967)	98	1173559			0.00- 87.39	37.86
80 Tetrahydrofuran					CAS #: 109-99-9		
14.024	14.052 (0.998)	42	3038483	56.1992	56.199	80.00- 120.00	100.00
14.052	14.052 (1.000)	71	784435			0.00- 75.37	25.82
14.052	14.052 (1.000)	72	814150			0.00- 77.09	26.79
82 Chloroform					CAS #: 67-66-3		
14.107	14.107 (1.004)	83	3713085	56.4428	56.443	80.00- 120.00	100.00
14.107	14.107 (1.004)	85	2342003			12.89- 112.89	63.07
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.466	14.466 (1.030)	97	3276539	54.5906	54.590	80.00- 120.00	100.00
14.466	14.466 (1.030)	99	2096874			13.93- 113.93	64.00
85 Cyclohexane					CAS #: 110-82-7		
14.494	14.494 (1.031)	84	1756348	51.2758	51.276	80.00- 120.00	100.00
14.494	14.494 (1.031)	56	2786898			109.54- 209.54	158.68
14.494	14.494 (1.031)	41	1967715			62.78- 162.78	112.03
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.743	14.743 (1.049)	119	3235487	54.4904	54.490	80.00- 120.00	100.00
14.743	14.743 (1.049)	117	3361681			53.58- 153.58	103.90
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
15.075	15.075 (1.073)	57	9914663	55.8327	55.833	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
15.075	15.075 (1.073)	56	3328462			0.00- 83.72	33.57
15.075	15.075 (1.073)	41	3385389			0.00- 83.32	34.15
91 Benzene					CAS #: 71-43-2		
15.158	15.158 (0.958)	78	4982893	57.2419	57.242	80.00- 120.00	100.00
15.158	15.158 (0.958)	77	1152140			0.00- 72.75	23.12
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.268	15.268 (0.965)	62	3024174	56.6485	56.648	80.00- 120.00	100.00
15.268	15.268 (0.965)	64	940737			0.00- 80.45	31.11
94 Heptane					CAS #: 142-82-5		
15.379	15.379 (0.972)	71	1499472	54.0181	54.018	80.00- 120.00	100.00
15.379	15.379 (0.972)	43	4262015			223.93- 323.93	284.23
15.379	15.379 (0.972)	57	1872145			70.43- 170.43	124.85
101 Trichloroethene					CAS #: 79-01-6		
16.291	16.291 (1.030)	95	2240590	56.7169	56.717	80.00- 120.00	100.00
16.291	16.291 (1.030)	130	2226696			48.77- 148.77	99.38
16.291	16.291 (1.030)	97	1462902			14.49- 114.49	65.29
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.761	16.761 (1.059)	63	1941611	55.7851	55.785	80.00- 120.00	100.00
16.761	16.761 (1.059)	62	1443849			23.49- 123.49	74.36
16.761	16.761 (1.059)	41	1684441			37.70- 137.70	86.75
106 1,4-Dioxane					CAS #: 123-91-1		
16.900	16.899 (1.068)	88	1122663	51.6255	51.625	80.00- 120.00	100.00
16.900	16.899 (1.068)	58	959077			34.58- 134.58	85.43
16.900	16.899 (1.068)	57	355859			0.00- 81.45	31.70
107 Bromodichloromethane					CAS #: 75-27-4		
17.204	17.204 (1.087)	83	3792593	54.9167	54.917	80.00- 120.00	100.00
17.204	17.204 (1.087)	85	2356259			12.63- 112.63	62.13
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
18.006	18.005 (1.138)	75	1918731	37.0072	37.007	80.00- 120.00	100.00
18.006	18.005 (1.138)	77	602367			0.00- 81.70	31.39
17.978	17.978 (1.136)	39	1660476			36.98- 136.98	86.54
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
18.172	18.171 (1.149)	58	1738937	56.6049	56.605	80.00- 120.00	100.00
18.172	18.171 (1.149)	43	5646836			265.62- 365.62	324.73
18.172	18.171 (1.149)	85	590907			0.00- 85.05	33.98

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.531	18.558 (1.171)	91	5292981	54.3222	54.322	80.00- 120.00	100.00
18.531	18.531 (1.171)	92	3239339			10.48- 110.48	61.20
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.333	19.333 (0.920)	97	1887054	57.3464	57.346	80.00- 120.00	100.00
19.333	19.333 (0.920)	99	1172982			12.64- 112.64	62.16
19.333	19.333 (0.920)	83	1624520			35.61- 135.61	86.09
120 Tetrachloroethene					CAS #: 127-18-4		
19.499	19.498 (0.928)	166	2564256	58.1430	58.143	80.00- 120.00	100.00
19.499	19.498 (0.928)	129	1908779			23.87- 123.87	74.44
19.499	19.498 (0.928)	131	1845979			22.05- 122.05	71.99
121 2-Hexanone					CAS #: 591-78-6		
19.637	19.637 (0.934)	58	2332318	55.4722	55.472	80.00- 120.00	100.00
19.637	19.637 (0.934)	43	5415417			183.87- 283.87	232.19
19.637	19.637 (0.934)	100	333790			0.00- 65.02	14.31
122 Dibromochloromethane					CAS #: 124-48-1		
20.024	20.024 (0.953)	129	3143363	55.9154	55.915	80.00- 120.00	100.00
20.024	20.024 (0.953)	127	2410658			29.86- 129.86	76.69
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.301	20.300 (0.966)	107	2746832	56.9486	56.949	80.00- 120.00	100.00
20.301	20.300 (0.966)	109	2587392			44.95- 144.95	94.20
127 Chlorobenzene					CAS #: 108-90-7		
21.075	21.075 (1.003)	112	3779343	55.8465	55.846	80.00- 120.00	100.00
21.075	21.075 (1.003)	114	1217905			0.00- 82.14	32.23
21.075	21.075 (1.003)	77	2388682			12.04- 112.04	63.20
128 Ethyl Benzene					CAS #: 100-41-4		
21.158	21.157 (1.007)	106	1954112	59.1000	59.100	80.00- 120.00	100.00
21.158	21.157 (1.007)	91	6278833			273.41- 373.41	321.31
129 m,p-Xylene					CAS #: 108-38-3		
21.351	21.351 (1.016)	106	4265569	108.740	108.74	80.00- 120.00	100.00
21.351	21.351 (1.016)	91	8620208			150.37- 250.37	202.09
130 o-Xylene					CAS #: 95-47-6		
22.070	22.070 (1.050)	106	1677995	47.6438	47.644	80.00- 120.00	100.00
22.070	22.070 (1.050)	91	3603056			163.19- 263.19	214.72
133 Bromoform					CAS #: 75-25-2		
22.512	22.512 (1.071)	173	1933579	48.3819	48.382	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
133 Bromoform (continued)							
22.512	22.512 (1.071)	171	986239			0.93- 100.93	51.01
134 Cumene					CAS #: 98-82-8		
22.651	22.651 (1.078)	105	5685622	56.5878	56.588	80.00- 120.00	100.00
22.651	22.651 (1.078)	120	1463611			0.00- 75.76	25.74
22.651	22.651 (1.078)	51	857042			0.00- 67.97	15.07
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.231	23.231 (1.105)	83	2516621	56.5336	56.534	80.00- 120.00	100.00
23.231	23.231 (1.105)	85	1563471			12.95- 112.95	62.13
142 Propylbenzene					CAS #: 103-65-1		
23.342	23.342 (1.110)	91	6459470	56.2697	56.270	80.00- 120.00	100.00
23.342	23.342 (1.110)	120	1451498			0.00- 72.76	22.47
23.342	23.342 (1.110)	105	245029			0.00- 54.33	3.79
145 4-Ethyltoluene					CAS #: 622-96-8		
23.508	23.508 (1.118)	105	5220553	56.8703	56.870	80.00- 120.00	100.00
23.508	23.508 (1.118)	120	1539374			0.00- 79.69	29.49
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.618	23.618 (1.124)	105	3106016	45.3474	45.347	80.00- 120.00	100.00
23.618	23.618 (1.124)	120	1504275			0.00- 99.50	48.43
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.254	24.254 (1.154)	105	2309905	36.7149	36.715	80.00- 120.00	100.00
24.254	24.254 (1.154)	120	1055865			0.00- 95.95	45.71
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.807	24.807 (1.180)	146	2223640	55.8588	55.859	80.00- 120.00	100.00
24.807	24.807 (1.180)	148	1420532			15.26- 115.26	63.88
24.807	24.807 (1.180)	111	904125			0.00- 92.21	40.66
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.973	24.973 (1.188)	146	2170295	55.3324	55.332	80.00- 120.00	100.00
24.973	24.973 (1.188)	148	1384362			15.51- 115.51	63.79
24.973	24.973 (1.188)	111	846730			0.00- 88.70	39.01
159 alpha-Chlorotoluene					CAS #: 100-44-7		
25.167	25.167 (1.197)	91	3322724	57.0117	57.012	80.00- 120.00	100.00
25.167	25.167 (1.197)	126	649478			0.00- 70.08	19.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.609	25.609 (1.218)	146	1877480	54.5803	54.580	80.00- 120.00	100.00
25.609	25.609 (1.218)	148	1188585			14.08- 114.08	63.31

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
25.609	25.609 (1.218)	111	785490			0.00- 91.93	41.84
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.429	28.429 (1.353)	180	868076	48.7325	48.732	80.00- 120.00	100.00
28.429	28.429 (1.353)	182	800936			41.45- 141.45	92.27
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.623	28.623 (1.362)	225	760160	51.2704	51.270	80.00- 120.00	100.00
28.623	28.623 (1.362)	223	473665			14.66- 114.66	62.31
29 Isopentane					CAS #: 78-78-4		
8.301	8.328 (0.591)	43	3163725	54.4592	54.459	80.00- 120.00	100.00
8.328	8.328 (0.593)	57	1783814			8.33- 108.33	56.38
19 Butane					CAS #: 106-97-8		
6.891	6.890 (0.490)	58	289838	62.6544	62.654	80.00- 120.00	100.00
6.891	6.890 (0.490)	43	2922694			910.72-1010.72	1008.39
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.568	16.568 (1.179)	83	2246971	51.9166	51.916	80.00- 120.00	100.00
16.568	16.568 (1.179)	98	976127			0.00- 93.56	43.44
16.568	16.568 (1.179)	55	2548555			63.60- 163.60	113.42
167 Naphthalene					CAS #: 91-20-3		
28.982	28.982 (1.379)	128	1353216	27.8008	27.801	80.00- 120.00	100.00
28.982	28.982 (1.379)	127	170717			0.00- 62.82	12.62

Report Date: 13-Dec-2006 11:59

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121305.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	566734	3.59
97 1,4-Difluorobenze	2273564	1364138	3182990	2286277	0.56
126 Chlorobenzene-d5	1579200	947520	2210880	1485168	-5.95

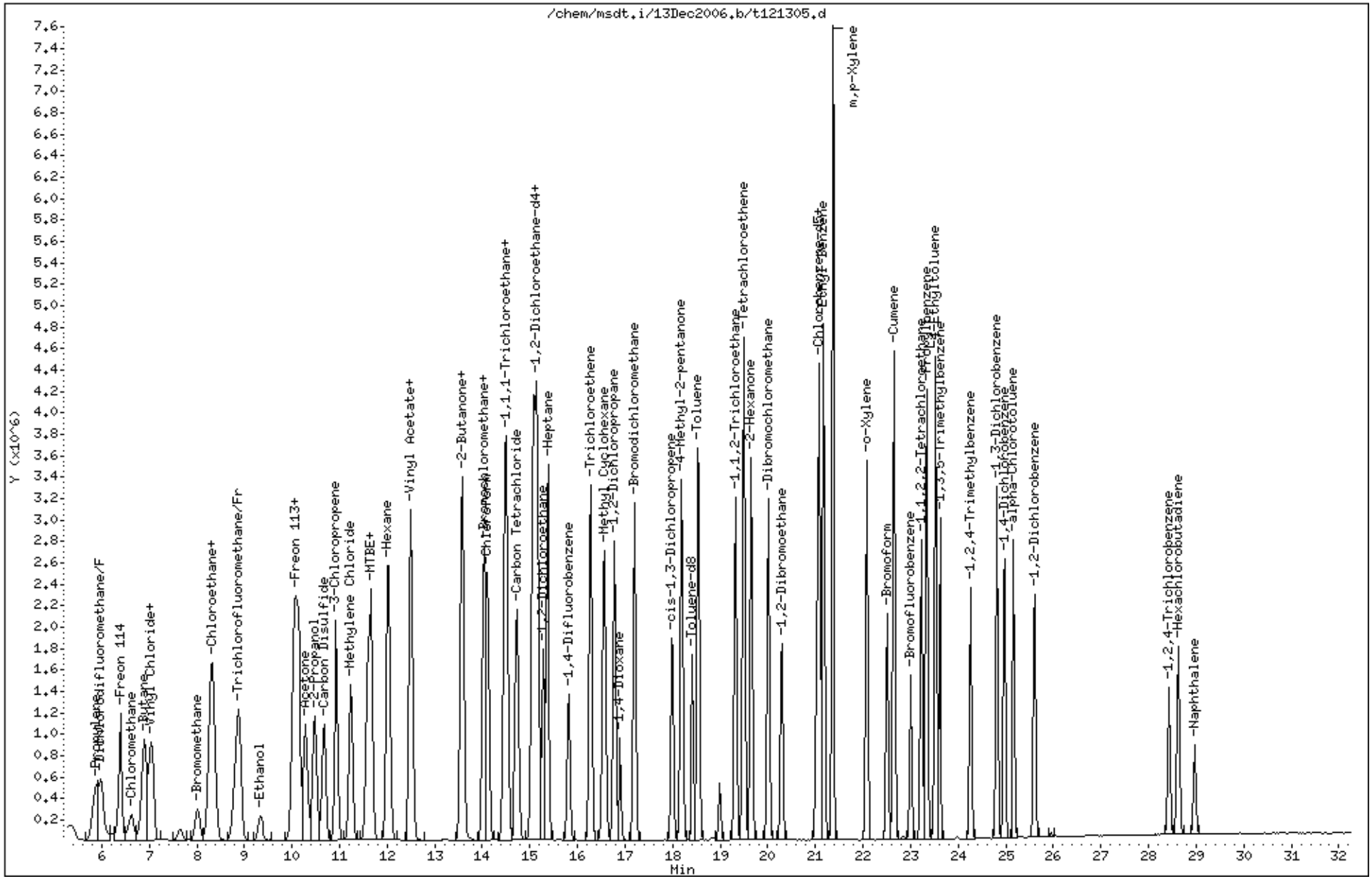
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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/13Dec2006.b/t121305.d
Date : 13-DEC-2006 11:32
Client ID: LCS-1
Sample Info: 50mL #1408-257

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

Column phase: RTx-624



0188

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/13Dec2006.b/t121304.d
Lab Smp Id: LCS (2cmpd) Client Smp ID: X
Inj Date : 13-DEC-2006 10:47
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1408-243
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msdt.i/13Dec2006.b/t14qd05b.m
Meth Date : 13-Dec-2006 10:15 sruth Quant Type: ISTD
Cal Date : 07-DEC-2006 10:51 Cal File: t120704.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 2cmpd.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
14.052	14.052 (1.000)	130	544399	25.0000		80.00- 120.00	100.00
14.052	14.052 (1.000)	128	416301			27.04- 127.04	76.47
14.052	14.052 (1.000)	49	1170256			248.96- 348.96	214.96
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.821	15.821 (1.000)	114	2230159	25.0000		80.00- 120.00	100.00
15.821	15.821 (1.000)	88	343416			0.00- 65.73	15.40
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
21.019	21.019 (1.000)	117	1378864	25.0000		80.00- 120.00	100.00
21.019	21.019 (1.000)	82	800104			6.96- 106.96	58.03
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
15.130	15.130 (1.077)	65	987002	24.4633	24.463	80.00- 120.00	100.00
15.130	15.130 (1.077)	67	470291			0.94- 100.94	47.65
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.420	18.420 (1.164)	98	1940966	24.0741	24.074	80.00- 120.00	100.00
18.420	18.420 (1.164)	70	225225			0.00- 61.57	11.60

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.420	18.420 (1.164)	100	1313886			17.69- 117.69	67.69
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
23.010	23.010 (1.095)	174	639041	24.8609	24.861	80.00- 120.00	100.00
23.010	23.010 (1.095)	95	800568			77.21- 177.21	125.28
23.010	23.010 (1.095)	176	622818			49.33- 149.33	97.46
131 Styrene					CAS #: 100-42-5		
22.098	22.098 (1.051)	104	3198492	66.3729	66.373	80.00- 120.00	100.00(R)
22.098	22.098 (1.051)	78	1466039			3.99- 103.99	45.84
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.973	18.973 (0.903)	75	2980972	66.4814	66.481	80.00- 120.00	100.00(R)
18.973	18.973 (0.903)	77	938445			0.00- 81.64	31.48
18.973	18.973 (0.903)	39	2357196			29.47- 129.47	79.07

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 13-Dec-2006 11:12

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t121304.d
Lab Smp Id: LCS (2cmpd)
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 13-DEC-2006
Calibration Time: 09:45
Client Smp ID: X
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547073	328244	765902	544399	-0.49
97 1,4-Difluorobenze	2273564	1364138	3182990	2230159	-1.91
126 Chlorobenzene-d5	1579200	947520	2210880	1378864	-12.69

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	14.05	13.72	14.38	14.05	0.00
97 1,4-Difluorobenze	15.82	15.49	16.15	15.82	0.00
126 Chlorobenzene-d5	21.02	20.69	21.35	21.02	0.00

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

Report Date: 13-Dec-2006 11:12

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 13Dec2006
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS (2cmpd) Client Smp ID: X
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2cmpd.spk Quant Type: ISTD
Sublist File: 2cmpd.sub
Method File: /chem/msdt.i/13Dec2006.b/t14qd05b.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
116 trans-1,3-Dichloro	50.000	66.481	132.96*	70-130
131 Styrene	50.000	66.373	132.75*	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.463	97.85	70-130
$ 113 Toluene-d8	25.000	24.074	96.30	70-130
$ 137 Bromofluorobenzene	25.000	24.861	99.44	70-130

0193

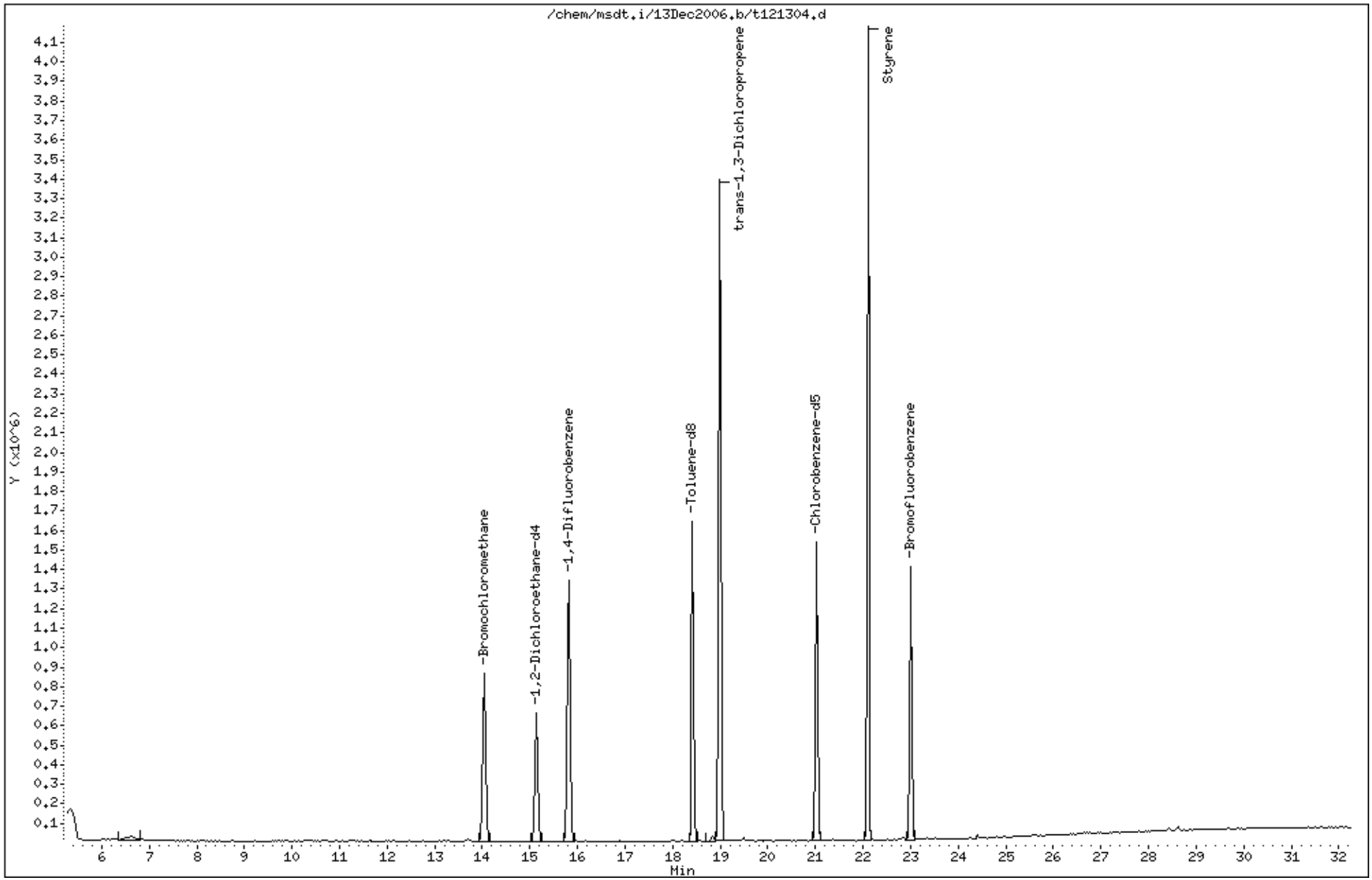
Data File: /chem/msdt.i/13Dec2006.b/t121304.d
Date : 13-DEC-2006 10:47
Client ID: X
Sample Info: 50mL #1408-243

Instrument: msdt.i

Operator: sjr

Column phase: RTx-624

Column diameter: 0.53



@ Air Toxics Ltd.

MSD-T

Logbook #: 1451

0194

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	35.39
75	30.0 – 60.0% of mass 95	58.64
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.72
173	Less than 2.0% of mass 174	(0.00)[1]
174	Greater than 50.0% of mass 95	77.06
175	5.0 – 9.0% of mass 174	(8.18)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.81)[1]
177	5.0 – 9.0% of mass 176	(6.56)[2]

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

BFB Injection Date: 12/13/06
BFB Injection Time: 0830
BFB File ID: T121301
Tekmar Purge Flow: 22.4 mL/min
Vacuum: 3.33e-005

IS/S Std.#: 1408-225	Exp. Date: 2/26/07
BCM	547073
1,4-DFB	2273564
CB-d5	1579200

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

Verify 176/174 m/z Ratio: 595264/608576 x100 = 97.81 **NOAH Cart #:** NA **File #:** NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1038295)}{(547073)} \times \frac{(25)}{(1.85279)} = 25.609$

File ID:	T121303
Compound:	1,2-DCA-d4
Initials:	SJR

Reported Result 25.609

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	SJR 12/13/06 T121301	BFB Tune Check	543-2786	50ng	2µL	1.00	SJR	12/13/06	0830	SJR/CT	
2	X	02	CCV-1 (200ppbv)	1408-195	50ppbv	50mL	1.00	SJR		0855	SJR/CT	
3	✓	03	CCV-1 (200ppbv)	1408-195	50ppbv	50mL	1.00	SJR		0945	SJR/CT	
4	✓	04	LCS(200ppbv)2cmpd	1408-243	50ppbv	50mL	1.00	SJR		1047	SJR/CT	
5	✓	05	LCS-1(200ppbv)	1408-257	50ppbv	50mL	1.00	SJR		1132	SJR/CT	
6	✓	06	Lab Blank	35246	Humid	200mL	1.00	SJR		1226	SJR/CT	
7	X	07	0612086-01A	34187	28"Hg/50psi	2mL	175	SJR		1318	SJR/CT	RR 1.0 mL Vinyl Chloride >200
8	X ✓	08	-01A	↓	↓	1mL	350	SJR		1406	SJR/CT	Toluene >400 Toluene 375
9	✓	09	Lab Blank	35246	Humid	200mL	1.00	SJR	↓	1503	SJR/CT	

CTaylor
Signature

12-14-06
Date

ERM-NE

10	✓	T121310	0612086-01A	34187	7.0"Hg→15psi	75mL	933	SJR	12/13/06	1541	SJR/A	dilution for target 200X	
11	✓	11	-02A	34217	7.5"Hg→15psi	200mL	1.79	SJR		16:32	A		
12	✓	12	0612133-14A (Loureiro)	9373	0"Hg→15psi + 0"Hg→15psi	200mL	4.08	A		17:33	A		
13	✓	13	-16A	94102	6.0"Hg→15psi	40mL	632	A		18:14	A	50X diluted for target	
14	✓	14	-12A	12383	7.0"Hg→15psi	60mL	880	A		18:53	A	100X diluted for target	
15	✓	15	-09A	10411	5.0"Hg→15psi	40mL	1210	A		19:37	KR	100X	
16	✓	16	-12AA	12383	7.0"Hg→15psi	60mL	880	A		20:15	KR		
17	✓	17	0611643A-01A	35638	0.0"Hg→15psi	200mL	2.02	KR		21:08	KR		
18	✓	18	-02A	33722	0.0"Hg→15psi	150mL	2.69	KR		21:46	KR		
19	✓	19	-03A	34621	0.5"Hg→15psi	200mL	2.05	KR		22:48	KR	~~Surr Matrix~~ 12-14-06 C.T.	
20	✓	20	-04A	12370	0.5"Hg→15psi	200mL	2.05	KR	↓	2328	BB/C.T.		
21	✓	21	-04AA	↓	↓	↓	2.05	BB	12/14/06	0034	BB/C.T.		
22	✓	22	0611657A-01A	2428	0.0"Hg→15psi	150mL	1.34	BB		0127	BB/C.T.		
23	✓	23	0611655A-02A	12036	0.4psi→15psi	200mL	1.97	BB		0220	BB/C.T.		
24	✓	24	-03A	30813	0.2psi→15psi	200mL	1.99	BB		0334	BB/C.T.		
25	✓	25	-04A	31710	↓	200mL	1.99	BB		0427	BB/C.T.		
26	✓	26	-05A	34092	1.0"Hg→15psi	200mL	2.09	BB		0522	BB/C.T.		
27	✓	27	-06A	34170	0.2psi→15psi	200mL	1.99	BB		0601	BB		
28	X	28	-07A	33385	0.5"Hg→15psi	5.0mL	82.0	BB	↓	0735	C.T.	RR@10mL	
29													
30													
31													
32													

0195

Comments:

12-14-06 C.T.

C Taylor
Signature

12-14-06
Date

Air Toxics Ltd.

Data file : /chem/msdt.i/05Dec2006.b/t120510.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 05-DEC-2006 14:15
Operator : srs Inst ID: msdt.i
Smp Info : 2.0uL #843-2786; BFB; BFB
Misc Info : 50nG
Comment :
Method : /chem/msdt.i/05Dec2006.b/bfb.m
Meth Date : 17-Aug-2006 09:13 ctaylor Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.331	8.228	0.103	95	822528			100.00- 100.00	100.00
8.331	8.228	0.103	50	261309			15.00- 40.00	31.77
8.331	8.228	0.103	75	441092			30.00- 60.00	53.63
8.331	8.228	0.103	96	54583			5.00- 9.00	6.64
8.331	8.228	0.103	173	0			0.00- 2.00	0.00
8.331	8.228	0.103	174	617088			50.00- 100.00	75.02
8.331	8.228	0.103	175	48848			5.00- 9.00	7.92
8.331	8.228	0.103	176	599030			95.00- 101.00	97.07
8.331	8.228	0.103	177	40726			5.00- 9.00	6.80

Data File: /chem/msdt.i/05Dec2006.b/t120510.d

Date : 05-DEC-2006 14:15

Client ID: BFB

Instrument: msdt.i

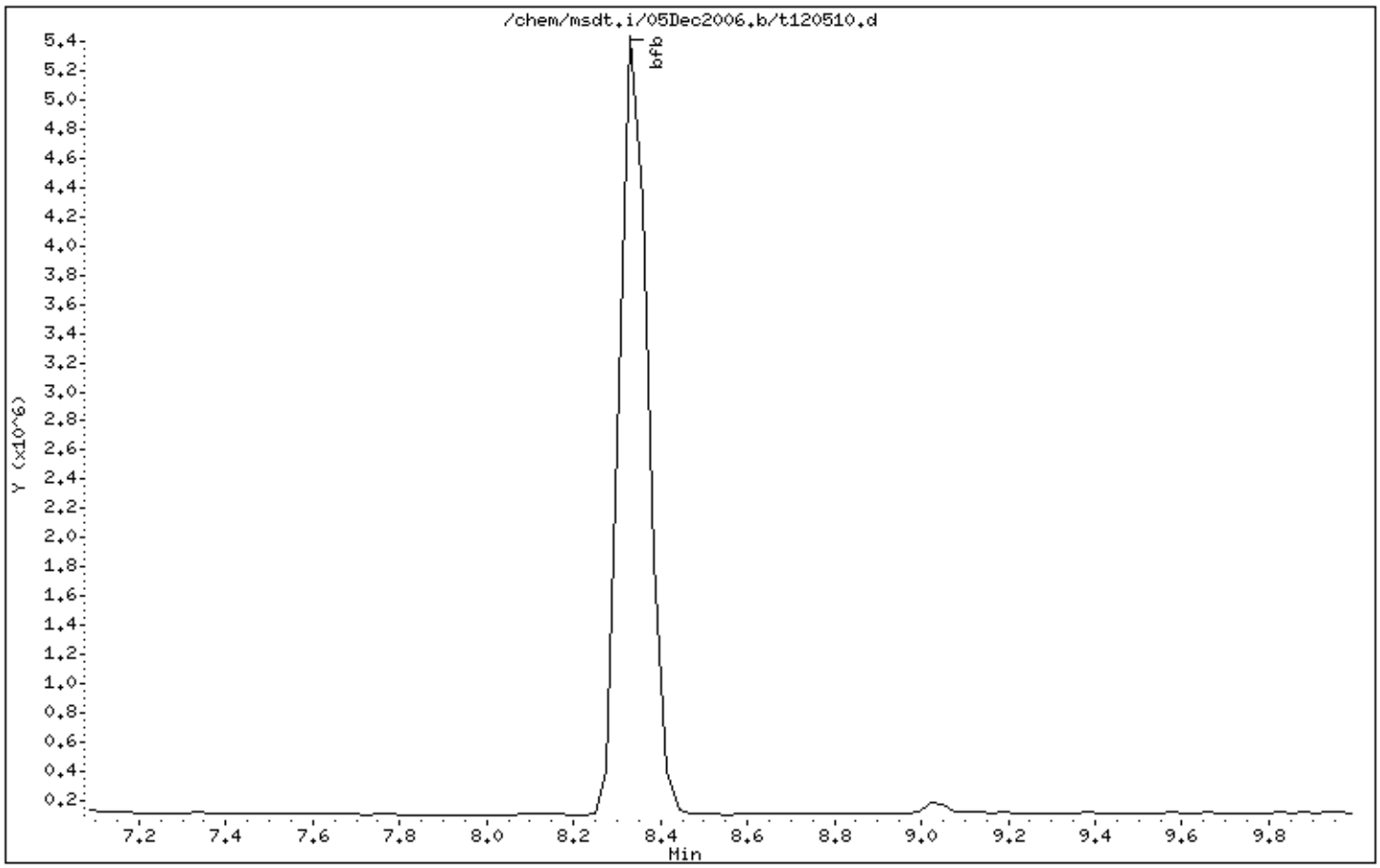
Sample Info: 2.0uL #843-2786; BFB; BFB

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/05Dec2006.b/t120510.d

Date : 05-DEC-2006 14:15

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #843-2786; BFB; BFB

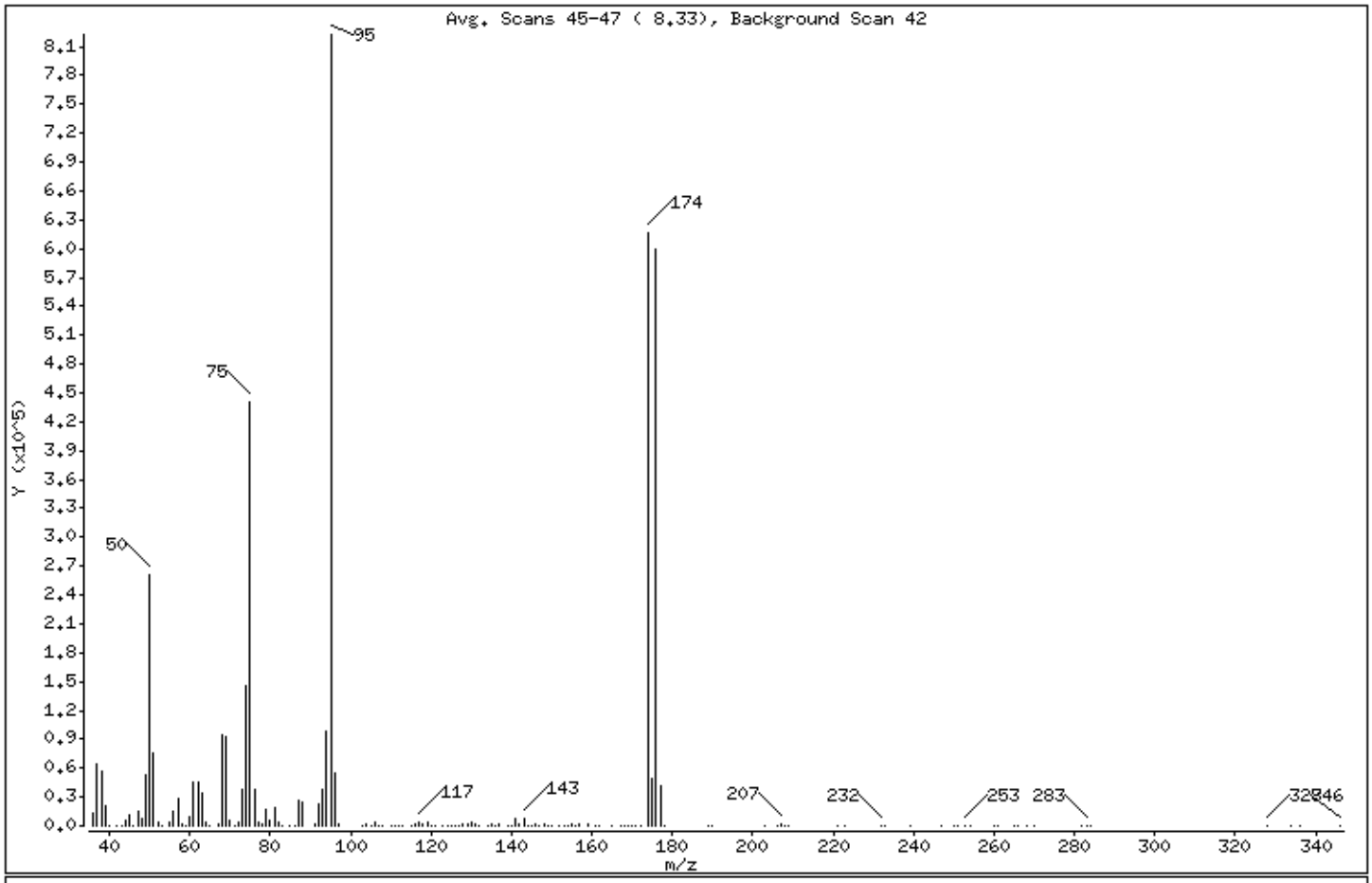
Volume Injected (uL): 1.0

Operator: srs

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	31.77
75	30.00 - 60.00% of mass 95	53.63
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	75.02
175	5.00 - 9.00% of mass 174	5.94 (7.92)
176	95.00 - 101.00% of mass 174	72.83 (97.07)
177	5.00 - 9.00% of mass 176	4.95 (6.80)

Data File: /chem/msdt.i/05Dec2006.b/t120510.d

Date : 05-DEC-2006 14:15

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #843-2786; BFB; BFB

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

Data File: t120510.d
Spectrum: Avg. Scans 45-47 (8.33), Background Scan 42
Location of Maximum: 95.00
Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12720	77.00	4142	126.00	343	172.00	697
37.00	65168	78.00	2232	127.00	247	174.00	617088
38.00	56128	79.00	16968	128.00	2681	175.00	48848
39.00	21400	80.00	5722	129.00	1287	176.00	598976
40.00	762	81.00	18384	130.00	2956	177.00	40720
42.00	71	82.00	4221	131.00	1194	178.00	728
43.00	481	83.00	586	132.00	137	189.00	114
44.00	5805	85.00	212	134.00	185	190.00	122
45.00	10989	86.00	753	135.00	1448	203.00	53
46.00	659	87.00	26024	136.00	406	206.00	394
47.00	15066	88.00	25200	137.00	1298	207.00	1035
48.00	7238	91.00	2088	139.00	447	208.00	150
49.00	52856	92.00	23544	140.00	652	209.00	36
50.00	261248	93.00	36952	141.00	6944	221.00	4
51.00	76520	94.00	98288	142.00	990	223.00	265
52.00	3157	95.00	822528	143.00	7284	232.00	343
53.00	20	96.00	54576	144.00	323	233.00	211
55.00	3073	97.00	1642	145.00	693	239.00	256
56.00	15797	103.00	391	146.00	1337	247.00	236
57.00	28640	104.00	2548	147.00	416	250.00	110
58.00	976	105.00	935	148.00	2010	251.00	140
59.00	216	106.00	2957	149.00	539	253.00	692
60.00	9479	107.00	749	150.00	859	254.00	30
61.00	46272	108.00	106	152.00	536	260.00	144
62.00	45824	110.00	334	153.00	653	261.00	59
63.00	34328	111.00	448	154.00	482	265.00	115
64.00	3079	112.00	450	155.00	2033	266.00	114
65.00	393	113.00	479	156.00	295	268.00	107
67.00	2606	115.00	599	157.00	1347	270.00	173
68.00	94120	116.00	2440	159.00	1039	282.00	146
69.00	92232	117.00	3790	161.00	943	283.00	287
70.00	6329	118.00	2506	162.00	100	284.00	247
71.00	256	119.00	3108	165.00	259	328.00	186
72.00	4565	120.00	240	167.00	100	334.00	65
73.00	38368	121.00	273	168.00	110	336.00	112

Date : 05-DEC-2006 14:15

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #843-2786; BFB; BFB

Volume Injected (uL): 1.0 Operator: srs

Column phase: Column diameter: 2.00

Data File: t120510.d
Spectrum: Avg. Scans 45-47 (8.33), Background Scan 42
Location of Maximum: 95.00
Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	146496	123.00	235	169.00	336	346.00	101
75.00	441088	124.00	492	170.00	860		
76.00	36936	125.00	572	171.00	285		

Air Toxics Ltd.

Data file : /chem/msdt.i/07Dec2006.b/t120701.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 07-DEC-2006 08:36
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL;843-2786;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/07Dec2006.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 (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.248	8.228	0.020	95	743872			100.00- 100.00	100.00
8.248	8.228	0.020	50	257372			15.00- 40.00	34.60
8.248	8.228	0.020	75	428538			30.00- 60.00	57.61
8.248	8.228	0.020	96	49667			5.00- 9.00	6.68
8.248	8.228	0.020	173	0			0.00- 2.00	0.00
8.248	8.228	0.020	174	530666			50.00- 100.00	71.34
8.248	8.228	0.020	175	41987			5.00- 9.00	7.91
8.248	8.228	0.020	176	517013			95.00- 101.00	97.43
8.248	8.228	0.020	177	34280			5.00- 9.00	6.63

Data File: /chem/msdt.i/07Dec2006.b/t120701.d

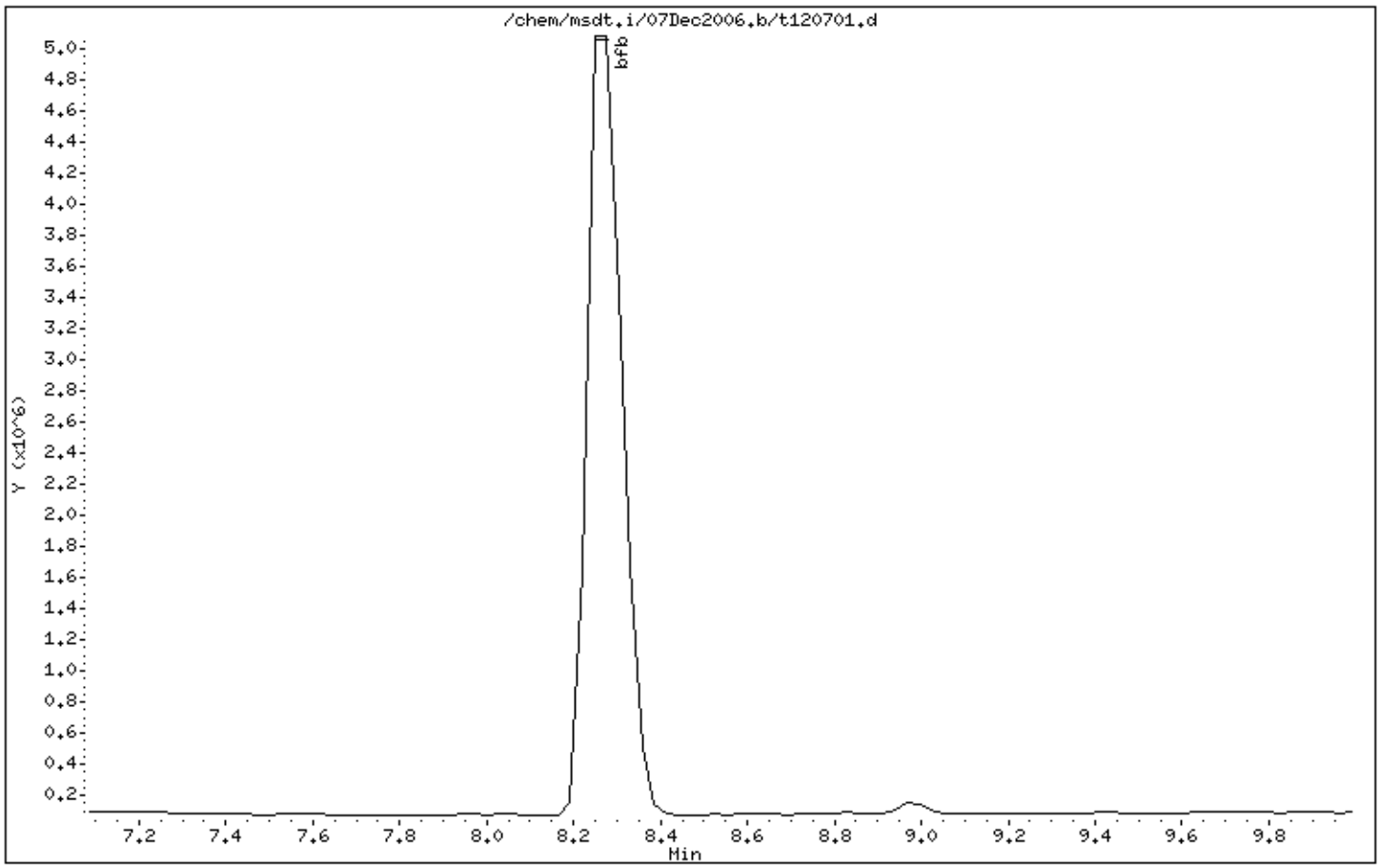
Date : 07-DEC-2006 08:36

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL;843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/07Dec2006.b/t120701.d

Date : 07-DEC-2006 08:36

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL;843-2786;BFB Tune Check;BFB Tune Check

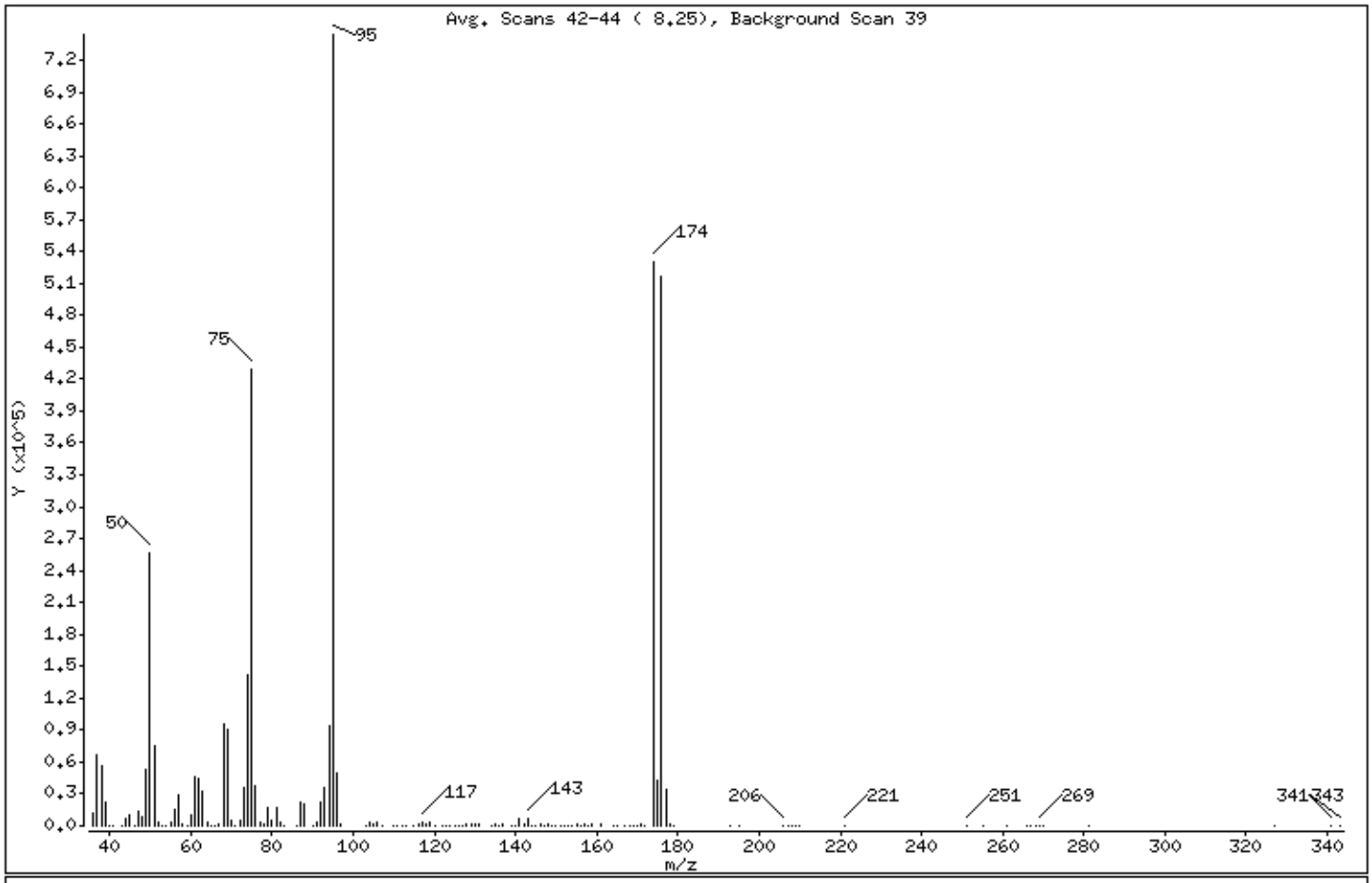
Volume Injected (uL): 1.0

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	34.60
75	30.00 - 60.00% of mass 95	57.61
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	71.34
175	5.00 - 9.00% of mass 174	5.64 (7.91)
176	95.00 - 101.00% of mass 174	69.50 (97.43)
177	5.00 - 9.00% of mass 176	4.61 (6.63)

Date : 07-DEC-2006 08:36

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL;843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t120701.d
Spectrum: Avg. Scans 42-44 (8.25), Background Scan 39
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12686	73.00	35640	120.00	212	161.00	918
37.00	66912	74.00	142656	122.00	112	164.00	256
38.00	56488	75.00	428480	123.00	319	165.00	263
39.00	21720	76.00	38200	124.00	401	167.00	225
40.00	522	77.00	3370	125.00	425	168.00	278
41.00	202	78.00	2385	126.00	359	169.00	412
43.00	440	79.00	17176	127.00	525	170.00	563
44.00	6369	80.00	5695	128.00	2556	171.00	1002
45.00	10887	81.00	17808	129.00	1333	172.00	797
46.00	663	82.00	3846	130.00	2499	174.00	530624
47.00	13435	83.00	348	131.00	1246	175.00	41984
48.00	7710	86.00	717	134.00	216	176.00	516992
49.00	52736	87.00	22112	135.00	1016	177.00	34280
50.00	257344	88.00	19688	136.00	481	178.00	970
51.00	75960	90.00	212	137.00	1223	179.00	218
52.00	3219	91.00	2729	139.00	420	193.00	75
53.00	337	92.00	23072	140.00	536	195.00	24
54.00	121	93.00	35240	141.00	7075	206.00	443
55.00	2943	94.00	94304	142.00	988	207.00	159
56.00	15576	95.00	743872	143.00	7224	208.00	376
57.00	29352	96.00	49664	144.00	500	209.00	438
58.00	882	97.00	1605	145.00	573	210.00	226
59.00	361	103.00	449	146.00	1182	221.00	109
60.00	9599	104.00	2844	147.00	304	251.00	443
61.00	45456	105.00	1036	148.00	1937	255.00	223
62.00	44720	106.00	2759	149.00	402	261.00	239
63.00	33152	107.00	825	150.00	695	266.00	122
64.00	2894	110.00	377	151.00	116	267.00	105
65.00	314	111.00	409	152.00	367	268.00	114
66.00	116	112.00	439	153.00	511	269.00	386
67.00	2539	113.00	310	154.00	515	270.00	151
68.00	95696	115.00	719	155.00	1950	281.00	120
69.00	90232	116.00	2210	156.00	361	327.00	7
70.00	5978	117.00	3822	157.00	1349	341.00	126
71.00	282	118.00	2272	158.00	150	343.00	201

Date : 07-DEC-2006 08:36

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL;843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t120701.d
Spectrum: Avg. Scans 42-44 (8.25), Background Scan 39
Location of Maximum: 95.00
Number of points: 143

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	4283	119.00	3455	159.00	942		

Air Toxics Ltd.

Data file : /chem/msdt.i/13Dec2006.b/t121301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 13-DEC-2006 08:30
Operator : sjr Inst ID: msdt.i
Smp Info : 2uL #843-2786;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/13Dec2006.b/bfb.m
Meth Date : 17-Aug-2006 09:13 ctaylor Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.303	8.228	0.075	95	789717			100.00- 100.00	100.00
8.303	8.228	0.075	50	279488			15.00- 40.00	35.39
8.303	8.228	0.075	75	463082			30.00- 60.00	58.64
8.303	8.228	0.075	96	53100			5.00- 9.00	6.72
8.303	8.228	0.075	173	0			0.00- 2.00	0.00
8.303	8.228	0.075	174	608576			50.00- 100.00	77.06
8.303	8.228	0.075	175	49784			5.00- 9.00	8.18
8.303	8.228	0.075	176	595264			95.00- 101.00	97.81
8.303	8.228	0.075	177	39051			5.00- 9.00	6.56

Data File: /chem/msdt.i/13Dec2006.b/t121301.d

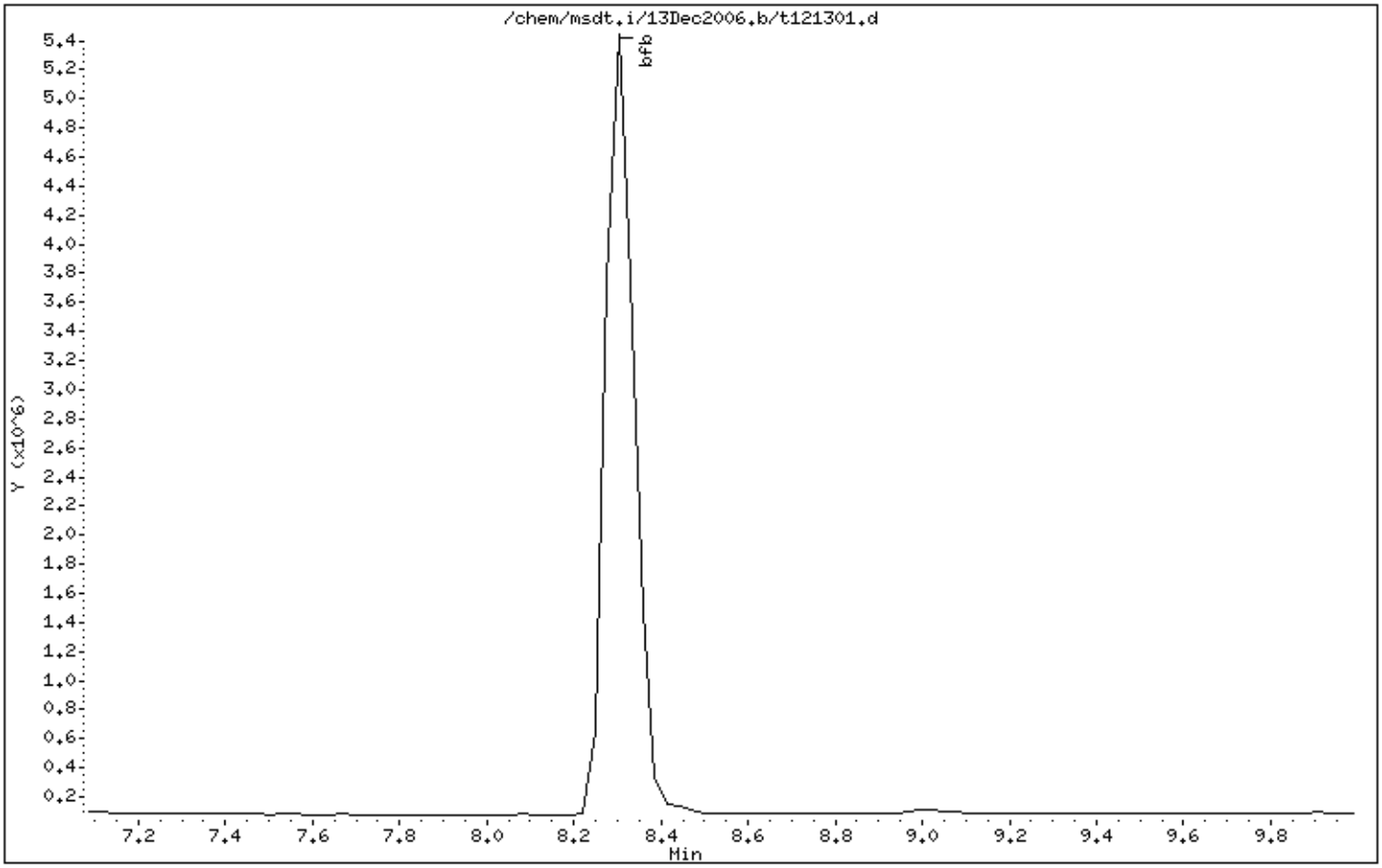
Date : 13-DEC-2006 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/13Dec2006.b/t121301.d

Date : 13-DEC-2006 08:30

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #843-2786;BFB Tune Check;BFB Tune Check

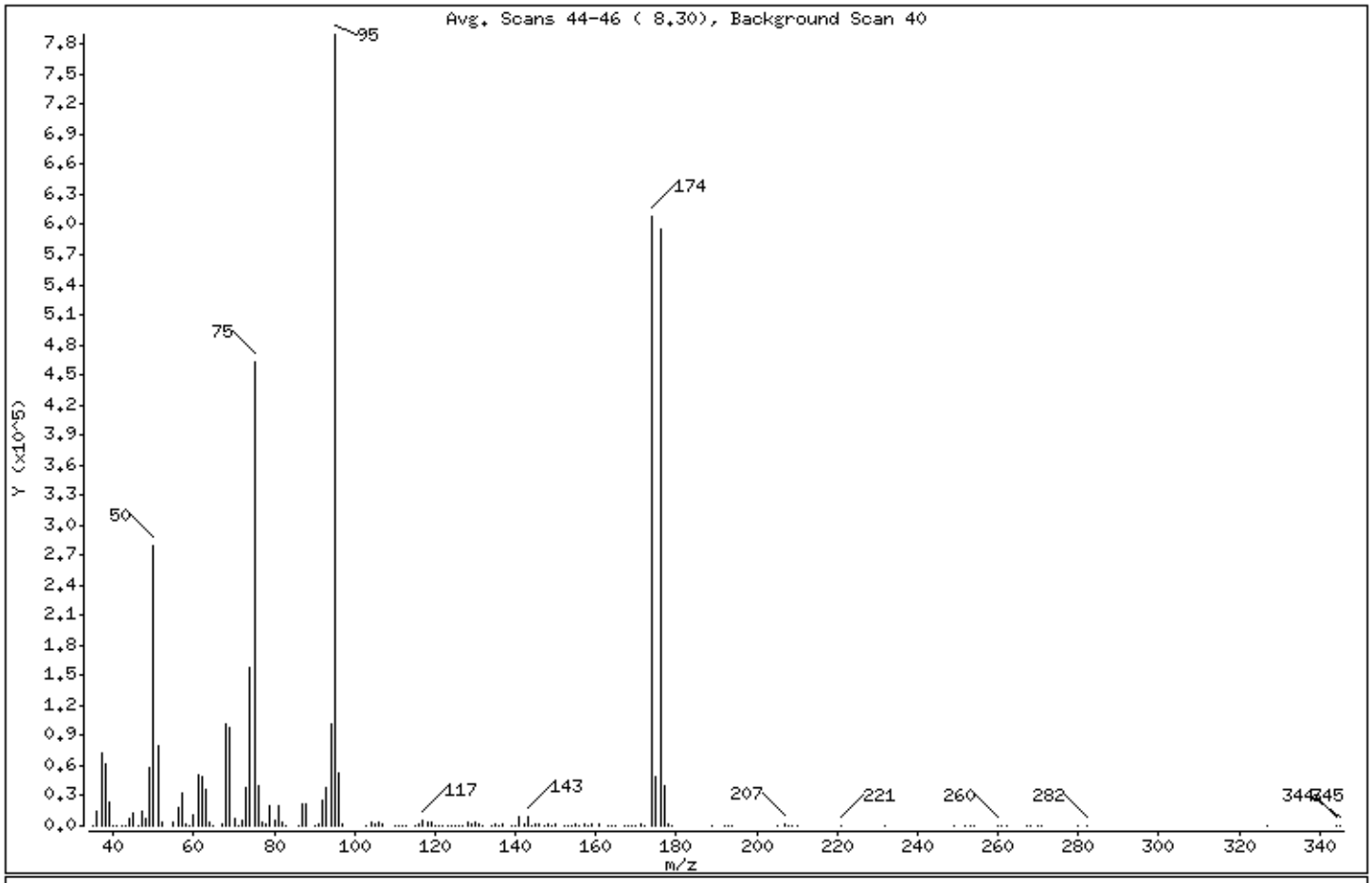
Volume Injected (uL): 1.0

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	35.39
75	30.00 - 60.00% of mass 95	58.64
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	77.06
175	5.00 - 9.00% of mass 174	6.30 (8.18)
176	95.00 - 101.00% of mass 174	75.38 (97.81)
177	5.00 - 9.00% of mass 176	4.94 (6.56)

Date : 13-DEC-2006 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t121301.d
Spectrum: Avg. Scans 44-46 (8.30), Background Scan 40
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	28	76.00	40192	125.00	279	169.00	475
36.00	14302	77.00	3810	126.00	394	170.00	357
37.00	72352	78.00	1817	127.00	49	171.00	959
38.00	61880	79.00	19960	128.00	2808	172.00	626
39.00	23848	80.00	5859	129.00	1474	174.00	608576
40.00	611	81.00	20232	130.00	3151	175.00	49784
41.00	203	82.00	4246	131.00	1290	176.00	595264
42.00	300	83.00	531	132.00	139	177.00	39048
43.00	234	86.00	696	134.00	387	178.00	1328
44.00	6515	87.00	21248	135.00	1082	179.00	93
45.00	12096	88.00	21112	136.00	476	189.00	332
46.00	366	90.00	113	137.00	1496	192.00	187
47.00	14501	91.00	2445	139.00	283	193.00	170
48.00	8005	92.00	25480	140.00	673	194.00	367
49.00	57656	93.00	38480	141.00	8401	205.00	17
50.00	279488	94.00	102152	142.00	1166	207.00	1293
51.00	80176	95.00	789696	143.00	8940	208.00	241
52.00	3550	96.00	53096	144.00	562	209.00	56
55.00	3345	97.00	1681	145.00	923	210.00	102
56.00	17656	103.00	285	146.00	1303	221.00	125
57.00	32256	104.00	3353	147.00	593	232.00	21
58.00	1195	105.00	1555	148.00	1762	249.00	97
59.00	120	106.00	3062	149.00	560	252.00	115
60.00	10526	107.00	996	150.00	1083	253.00	112
61.00	50632	110.00	448	152.00	596	254.00	67
62.00	49696	111.00	538	153.00	571	260.00	489
63.00	36736	112.00	580	154.00	639	261.00	143
64.00	3288	113.00	627	155.00	1908	262.00	125
65.00	348	115.00	594	156.00	505	267.00	229
67.00	2623	116.00	2422	157.00	1504	268.00	128
68.00	101464	117.00	4751	158.00	111	270.00	115
69.00	97984	118.00	2767	159.00	1243	271.00	122
70.00	6985	119.00	3794	161.00	956	280.00	103
71.00	436	120.00	101	163.00	197	282.00	137
72.00	4668	121.00	104	164.00	104	327.00	84

Date : 13-DEC-2006 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #843-2786;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t121301.d
Spectrum: Avg. Scans 44-46 (8.30), Background Scan 40
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	38784	122.00	119	165.00	121	344.00	131
74.00	158016	123.00	221	167.00	253	345.00	109
75.00	463040	124.00	561	168.00	135		

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: ERM-New England
ATTENTION: Mr. Jeremy Wolf
FAX #: 585-387-0603
FROM: Sample Receiving
Workorder #: 0612086
# of pages (Including Cover): 1

12/18/2006

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.

0213

@ AIR TOXICS LTD.
AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

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

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

Contact Person: Jeremy Wolf
Company: ERM — Email: Jeremy.Wolf@erm.com
Address: 1159 Pittsford-Victor Rd City: Pittsford State: NY Zip: 14534
Phone: 585-387-0510 Fax: 585-387-0603
Collected by: (Signature) [signature]

Project Info:
P.O. #: Former Rasco Products MGP
Project #: 0021427
Project Name: SVE PILOT TEST

Turn Around Time:
[ ] Normal
[X] Rush 5 DAY TAT (specify)

Lab Use Only
Pressurized by: SS
Date: 12/1/06
Pressurization Gas: (N) He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	PT-PRE (120106)	3415?	12/1/06	15:00	Modified TO-15	29.5	9.0	7.0	5.0
02A	PT-POST (120106)	3422?	12/1/06	15:00	Modified TO-15	29.5	8.5	7.5	✓
					Note: Both are 1 hour Samples				

Relinquished by: (signature) Jeremy Wolf Date/Time: 12/4/06 1700
Received by: (signature) Monica Gagen AIR 12/5/06 900
Notes: Please email results in PDF to jeremy.wolf@erm.com

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Relinquished by: (signature) Date/Time
Received by: (signature) Date/Time

Lab Use Only
Shipper Name: Fed Ex
Air Bill #: 855761623284152
Temp (°C): N/A
Condition: Good
Customer Seals Intact? Yes No (None)
Work Order #: 0612086

Form 1293 rev.10

Bag Dilution Form

Workorder #: 0612086

Date Prepared: 12-13-06 **Expiration Date:** 12-16-06 **Initials:**

Sample ID	Canister #	Vol. N_2 Added (mL)	Vol. N_2 Removed (mL)	Vol. Sample Added (mL)	Final Dilution Factor
-01A	34187	1000	5mL	5mL	200

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0612086

Client

Mr. Jeremy Wolf
ERM-New England (WPI)
1159 Pittsford-Victor Road
Suite 200
Pittsford, NY 14534

Sales Rep: R2

Phone

585-387-0510 x26

Fax

585-387-0603

Date Promised: 12/12/06 2:00 pm
Date Completed: 12/14/06
Date Received: 12/5/06
PO#: Former Raeco Products NYSDEC
Project#: 0021427 SVE PILOT TEST

Total $: $ 802.11
Logged By: TEL

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	PT-PRE (120106)	Modified TO-15	12/1/2006	7.0 "Hg	$225.00
02A	PT-POST (120106)	Modified TO-15	12/1/2006	7.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	Tubing-Teflon (6) @ $2.00 each.	$12.00
	6 Liter Silonite Canister (100% Certified) (2) @ $75.00 each.	$150.00
	Blue Body Flow Controller (100% Certified) (2) @ $35.00 each.	$70.00
	Shipping Charges (Shipped priority overnight 11/30/06)	$86.11
	ECVP (2) @ $10.00 each.	$20.00
	Client Specific Disk Format (2) @ $5.00 each.	$10.00
	Fuel Surcharge (2) @ $2.00 each.	$4.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: /7638

BILL TO: Mr. Jeremy Wolf
ERM-New England (WPI)
1159 Pittsford-Victor Road
Suite 200
Pittsford, NY 14534

Analysis Code: TO-14A

Reporting Method: Modified TO-15

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15

CAS Number	Compound	Detection Limit ppbv	Type
75-71-8	Freon 12	0.50	
76-14-2	Freon 114	0.50	
56-23-5	Carbon Tetrachloride	0.50	
540-84-1	2,2,4-Trimethylpentane	0.50	
71-43-2	Benzene	0.50	
107-06-2	1,2-Dichloroethane	0.50	
142-82-5	Heptane	0.50	
79-01-6	Trichloroethene	0.50	
78-87-5	1,2-Dichloropropane	0.50	
123-91-1	1,4-Dioxane	2.0	
75-27-4	Bromodichloromethane	0.50	
10061-01-5	cis-1,3-Dichloropropene	0.50	
108-10-1	4-Methyl-2-pentanone	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	
591-78-6	2-Hexanone	2.0	
124-48-1	Dibromochloromethane	0.50	
106-93-4	1,2-Dibromoethane (EDB)	0.50	
108-90-7	Chlorobenzene	0.50	
100-41-4	Ethyl Benzene	0.50	
108-38-3	m,p-Xylene	0.50	
95-47-6	o-Xylene	0.50	
100-42-5	Styrene	0.50	
75-25-2	Bromoform	0.50	
98-82-8	Cumene	0.50	
79-34-5	1,1,2,2-Tetrachloroethane	0.50	
103-65-1	Propylbenzene	0.50	
622-96-8	4-Ethyltoluene	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	
120-82-1	1,2,4-Trichlorobenzene	2.0	
87-68-3	Hexachlorobutadiene	2.0	
2037-26-5	Toluene-d8		
17060-07-0	1,2-Dichloroethane-d4		
460-00-4	4-Bromofluorobenzene		
74-87-3	Chloromethane	2.0	
75-01-4	Vinyl Chloride	0.50	
106-99-0	1,3-Butadiene	0.50	
74-83-9	Bromomethane	0.50	
75-00-3	Chloroethane	0.50	

Compound Listing

Modified TO-15

CAS Number	Compound	Detection Limit ppbv	Type
75-69-4	Freon 11	0.50	
64-17-5	Ethanol	2.0	
76-13-1	Freon 113	0.50	
75-35-4	1,1-Dichloroethene	0.50	
67-64-1	Acetone	2.0	
67-63-0	2-Propanol	2.0	
75-15-0	Carbon Disulfide	0.50	
107-05-1	3-Chloropropene	2.0	
75-09-2	Methylene Chloride	0.50	
1634-04-4	Methyl tert-butyl ether	0.50	
156-60-5	trans-1,2-Dichloroethene	0.50	
110-54-3	Hexane	0.50	
75-34-3	1,1-Dichloroethane	0.50	
78-93-3	2-Butanone (Methyl Ethyl Ketone)	0.50	
156-59-2	cis-1,2-Dichloroethene	0.50	
109-99-9	Tetrahydrofuran	0.50	
67-66-3	Chloroform	0.50	
71-55-6	1,1,1-Trichloroethane	0.50	
110-82-7	Cyclohexane	0.50	

Air Toxics LTD.

www.airtoxics.com
1-800-985-5955

Media Certification Report

Canister Number: 6L #34187 w/1hr
Can#: 48459-34187
Date : 11/29/06 19:22
Data File: u112922.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		100.00	% Recovery
Toluene-d8	2037-26-5		105.00	% Recovery
4-Bromofluorobenzene	460-00-4		112.00	% Recovery

Air Toxics LTD.

www.airtoxics.com
1-800-985-5955

Media Certification Report

Canister Number: 6L #34217 w/1hr
Can#: 48459-34217
Date : 11/29/06 18:52
Data File: u112921.d

Name	CAS	Type	Conc.	Units
Ethyl Benzene	100-41-4	Not Found	0.00	ppbv
Styrene	100-42-5	Not Found	0.00	ppbv
alpha-Chlorotoluene	100-44-7	Not Found	0.00	ppbv
cis-1,3-Dichloropropene	10061-01-5	Not Found	0.00	ppbv
trans-1,3-Dichloropropene	10061-02-6	Not Found	0.00	ppbv
Propylbenzene	103-65-1	Not Found	0.00	ppbv
1,4-Dichlorobenzene	106-46-7	Not Found	0.00	ppbv
1,2-Dibromoethane (EDB)	106-93-4	Not Found	0.00	ppbv
1,3-Butadiene	106-99-0	Not Found	0.00	ppbv
3-Chloropropene	107-05-1	Not Found	0.00	ppbv
1,2-Dichloroethane	107-06-2	Not Found	0.00	ppbv
4-Methyl-2-pentanone	108-10-1	Not Found	0.00	ppbv
m,p-Xylene	108-38-3	Not Found	0.00	ppbv
1,3,5-Trimethylbenzene	108-67-8	Not Found	0.00	ppbv
Toluene	108-88-3	Not Found	0.00	ppbv
Chlorobenzene	108-90-7	Not Found	0.00	ppbv
Tetrahydrofuran	109-99-9	Not Found	0.00	ppbv
Hexane	110-54-3	Not Found	0.00	ppbv
Cyclohexane	110-82-7	Not Found	0.00	ppbv
1,2,4-Trichlorobenzene	120-82-1	Not Found	0.00	ppbv
1,4-Dioxane	123-91-1	Not Found	0.00	ppbv
Dibromochloromethane	124-48-1	Not Found	0.00	ppbv
Tetrachloroethene	127-18-4	Not Found	0.00	ppbv
Heptane	142-82-5	Not Found	0.00	ppbv
cis-1,2-Dichloroethene	156-59-2	Not Found	0.00	ppbv
trans-1,2-Dichloroethene	156-60-5	Not Found	0.00	ppbv
Methyl tert-butyl ether	1634-04-4	Not Found	0.00	ppbv
2,2,4-Trimethylpentane	540-84-1	Not Found	0.00	ppbv
1,3-Dichlorobenzene	541-73-1	Not Found	0.00	ppbv
Carbon Tetrachloride	56-23-5	Not Found	0.00	ppbv
2-Hexanone	591-78-6	Not Found	0.00	ppbv
4-Ethyltoluene	622-96-8	Not Found	0.00	ppbv
Ethanol	64-17-5	Not Found	0.00	ppbv
2-Propanol	67-63-0	Not Found	0.00	ppbv
Acetone	67-64-1	Not Found	0.00	ppbv
Chloroform	67-66-3	Not Found	0.00	ppbv
Benzene	71-43-2	Not Found	0.00	ppbv
1,1,1-Trichloroethane	71-55-6	Not Found	0.00	ppbv
Bromomethane	74-83-9	Not Found	0.00	ppbv
Chloromethane	74-87-3	Not Found	0.00	ppbv
Chloroethane	75-00-3	Not Found	0.00	ppbv
Vinyl Chloride	75-01-4	Not Found	0.00	ppbv
Methylene Chloride	75-09-2	Not Found	0.00	ppbv

Name	CAS	Type	Conc.	Units
Carbon Disulfide	75-15-0	Not Found	0.00	ppbv
Bromoform	75-25-2	Not Found	0.00	ppbv
Bromodichloromethane	75-27-4	Not Found	0.00	ppbv
1,1-Dichloroethane	75-34-3	Not Found	0.00	ppbv
1,1-Dichloroethene	75-35-4	Not Found	0.00	ppbv
Freon 11	75-69-4	Not Found	0.00	ppbv
Freon 12	75-71-8	Not Found	0.00	ppbv
Freon 113	76-13-1	Not Found	0.00	ppbv
Freon 114	76-14-2	Not Found	0.00	ppbv
1,2-Dichloropropane	78-87-5	Not Found	0.00	ppbv
2-Butanone (Methyl Ethyl	78-93-3	Not Found	0.00	ppbv
1,1,2-Trichloroethane	79-00-5	Not Found	0.00	ppbv
Trichloroethene	79-01-6	Not Found	0.00	ppbv
1,1,2,2-Tetrachloroethane	79-34-5	Not Found	0.00	ppbv
Hexachlorobutadiene	87-68-3	Not Found	0.00	ppbv
o-Xylene	95-47-6	Not Found	0.00	ppbv
1,2-Dichlorobenzene	95-50-1	Not Found	0.00	ppbv
1,2,4-Trimethylbenzene	95-63-6	Not Found	0.00	ppbv
Cumene	98-82-8	Not Found	0.00	ppbv
1,2-Dichloroethane-d4	17060-07-0		99.00	% Recovery
Toluene-d8	2037-26-5		104.00	% Recovery
4-Bromofluorobenzene	460-00-4		102.00	% Recovery

@Air Toxics Ltd.

DATA REVIEW CHECKLIST Work Order #: 0612086

A	R	T	M	Q	
☑	☐	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
	☐	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
	☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
N/A	☐	☐	☐	☐	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
N/A	☐	☐		Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☐	☐		Special units for all samples in the final report are correctly calculated
	☐	☐		Manually entered results checked (i.e. special CCV compounds)
	☐	☐		TPH/NMOC (verify calculations and correct reference compound used)
	☐			Chain of Custody scanned correctly
		☐		Verify sample id's vs. chain of custody
☑	☐			Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☐			Final pressure consistent with canister size (6L vs. 1L)
☑	☐			Verify receipt pressures against logbook and Target
☑	☐			Verify canister ID #'s
	☐	☐		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: 0 Dup required.
0 out in ICAL, 0 out in CCV.
LCS from two files
OIA diluted 200x for target.

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
SMC/CTaylor, 12/14/06	R: RTJACAB/12-14-06	12/19/06	

T:

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

Rev. 28/29/05

Not Applicable