
Air
Toxics LTD.
Laboratory Services Since 1989
Electronic Comprehensive Validation Package (eCVP)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Modified TO-15

INVENTORY SHEET

Work Order #: 0802426

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Comments:

Completed by:

Kara McKiernan Kara McKiernan / Document Control 3/7/08

(Signature) (Print Name & Title) (Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0802426

Work Order Summary

CLIENT:	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033	**BILL TO:**	Ms. Sarah Aldridge GEI Consultants, Inc. 455 Winding Brook Drive Suite 201 Glastonbury, CT 06033
PHONE:	860-368-5300	**P.O. #**	NR
FAX:	860-368-5307	**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	02/21/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	03/05/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	DW AMS-1	Modified TO-15	2.0 "Hg	5 psi
02A	UW AMS-5	Modified TO-15	5.0 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda L. Truman DATE: 03/05/08

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: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
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AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0802426

Two 6 Liter Summa Canister samples were received on February 21, 2008. 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.

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

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

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference 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

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
DW AMS-1	0802426-01A	2/20/2008	2/21/2008	NA	11	3/ 2/2008	NA	Good
UW AMS-5	0802426-02A	2/20/2008	2/21/2008	NA	11	3/ 2/2008	NA	Good
Lab Blank	0802426-03A	NA	NA	NA	NA	3/ 2/2008	NA	Good
CCV	0802426-04A	NA	NA	NA	NA	3/ 2/2008	NA	Good
LCS	0802426-05A	NA	NA	NA	NA	3/ 2/2008	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: DW AMS-1

Lab ID#: 0802426-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.72	2.8	2.7	11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS-1

Lab ID#: 0802426-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030212**	**Date of Collection: 2/20/08**	
Dil. Factor:	**1.44**	**Date of Analysis: 3/2/08 06:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.72	Not Detected	3.6	Not Detected
Freon 114	0.72	Not Detected	5.0	Not Detected
Vinyl Chloride	0.72	Not Detected	1.8	Not Detected
Bromomethane	0.72	Not Detected	2.8	Not Detected
Chloroethane	0.72	Not Detected	1.9	Not Detected
Freon 11	0.72	Not Detected	4.0	Not Detected
1,1-Dichloroethene	0.72	Not Detected	2.8	Not Detected
Freon 113	0.72	Not Detected	5.5	Not Detected
Methylene Chloride	0.72	Not Detected	2.5	Not Detected
1,1-Dichloroethane	0.72	Not Detected	2.9	Not Detected
cis-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected
Chloroform	0.72	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.72	Not Detected	3.9	Not Detected
Carbon Tetrachloride	0.72	Not Detected	4.5	Not Detected
Benzene	0.72	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.72	Not Detected	2.9	Not Detected
Trichloroethene	0.72	Not Detected	3.9	Not Detected
1,2-Dichloropropane	0.72	Not Detected	3.3	Not Detected
cis-1,3-Dichloropropene	0.72	Not Detected	3.3	Not Detected
Toluene	0.72	2.8	2.7	11
trans-1,3-Dichloropropene	0.72	Not Detected	3.3	Not Detected
1,1,2-Trichloroethane	0.72	Not Detected	3.9	Not Detected
Tetrachloroethene	0.72	Not Detected	4.9	Not Detected
1,2-Dibromoethane (EDB)	0.72	Not Detected	5.5	Not Detected
Chlorobenzene	0.72	Not Detected	3.3	Not Detected
Ethyl Benzene	0.72	Not Detected	3.1	Not Detected
m,p-Xylene	0.72	Not Detected	3.1	Not Detected
o-Xylene	0.72	Not Detected	3.1	Not Detected
Styrene	0.72	Not Detected	3.1	Not Detected
1,1,2,2-Tetrachloroethane	0.72	Not Detected	4.9	Not Detected
1,3,5-Trimethylbenzene	0.72	Not Detected	3.5	Not Detected
1,2,4-Trimethylbenzene	0.72	Not Detected	3.5	Not Detected
1,3-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
alpha-Chlorotoluene	0.72	Not Detected	3.7	Not Detected
1,2-Dichlorobenzene	0.72	Not Detected	4.3	Not Detected
1,3-Butadiene	0.72	Not Detected	1.6	Not Detected
Hexane	0.72	Not Detected	2.5	Not Detected
Cyclohexane	0.72	Not Detected	2.5	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS-1

Lab ID#: 0802426-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030212**	**Date of Collection: 2/20/08**	
Dil. Factor:	**1.44**	**Date of Analysis: 3/2/08 06:45 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.72	Not Detected	3.0	Not Detected
Bromodichloromethane	0.72	Not Detected	4.8	Not Detected
Dibromochloromethane	0.72	Not Detected	6.1	Not Detected
Cumene	0.72	Not Detected	3.5	Not Detected
Propylbenzene	0.72	Not Detected	3.5	Not Detected
Chloromethane	2.9	Not Detected	5.9	Not Detected
1,2,4-Trichlorobenzene	2.9	Not Detected	21	Not Detected
Hexachlorobutadiene	2.9	Not Detected	31	Not Detected
Acetone	2.9	Not Detected	6.8	Not Detected
Carbon Disulfide	0.72	Not Detected	2.2	Not Detected
2-Propanol	2.9	Not Detected	7.1	Not Detected
trans-1,2-Dichloroethene	0.72	Not Detected	2.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.72	Not Detected	2.1	Not Detected
Tetrahydrofuran	0.72	Not Detected	2.1	Not Detected
1,4-Dioxane	2.9	Not Detected	10	Not Detected
4-Methyl-2-pentanone	0.72	Not Detected	2.9	Not Detected
2-Hexanone	2.9	Not Detected	12	Not Detected
Bromoform	0.72	Not Detected	7.4	Not Detected
4-Ethyltoluene	0.72	Not Detected	3.5	Not Detected
Ethanol	2.9	Not Detected	5.4	Not Detected
Methyl tert-butyl ether	0.72	Not Detected	2.6	Not Detected
3-Chloropropene	2.9	Not Detected	9.0	Not Detected
2,2,4-Trimethylpentane	0.72	Not Detected	3.4	Not Detected
Naphthalene	2.9	Not Detected	15	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	106	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Mar2008.b/t030212.d
Lab Smp Id: 0802426-01A
Inj Date : 02-MAR-2008 18:45
Operator : xp Inst ID: msdt.i
Smp Info : 200mL #13859
Misc Info : 2.0"Hg-5psi
Comment :
Method : /chem/msdt.i/02Mar2008.b/t14q206c.m
Meth Date : 04-Mar-2008 16:07 nkhan Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1
Dil Factor: 1.44000
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		
13.886	13.886 (1.000)	130	288515	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	220509			29.16- 129.16	76.43
13.858	13.886 (1.000)	49	342130			130.98- 230.98	118.58
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1104265	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	183827			0.00- 66.38	16.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1056867	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	600406			7.65- 107.65	56.81
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.936 (1.076)	65	450526	24.2678	24.268	80.00- 120.00	100.00
14.937	14.936 (1.076)	67	231235			3.57- 103.57	51.33
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1122571	26.3909	26.391	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	128441			0.00- 61.29	11.44

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	750546			18.71- 118.71	66.86
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	662405	24.2311	24.231	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	828809			77.36- 177.36	125.12
22.789	22.789 (1.096)	176	629902			45.57- 145.57	95.09
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	115206	1.95719	2.818	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	67391			10.04- 110.04	58.50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030212.d
Lab Smp Id: 0802426-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 2.0"Hg-5psi

Calibration Date: 02-MAR-2008
Calibration Time: 09:53
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	303515	182109	424921	288515	-4.94
97 1,4-Difluorobenze	1266099	759659	1772539	1104265	-12.78
126 Chlorobenzene-d5	1189186	713512	1664860	1056867	-11.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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: 05-Mar-2008 10:43

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 02Mar2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0802426-01A
Level: LOW Operator: xp
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 2.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.268	97.07	70-130
$ 113 Toluene-d8	25.000	26.391	105.56	70-130
$ 137 Bromofluorobenzene	25.000	24.231	96.92	70-130

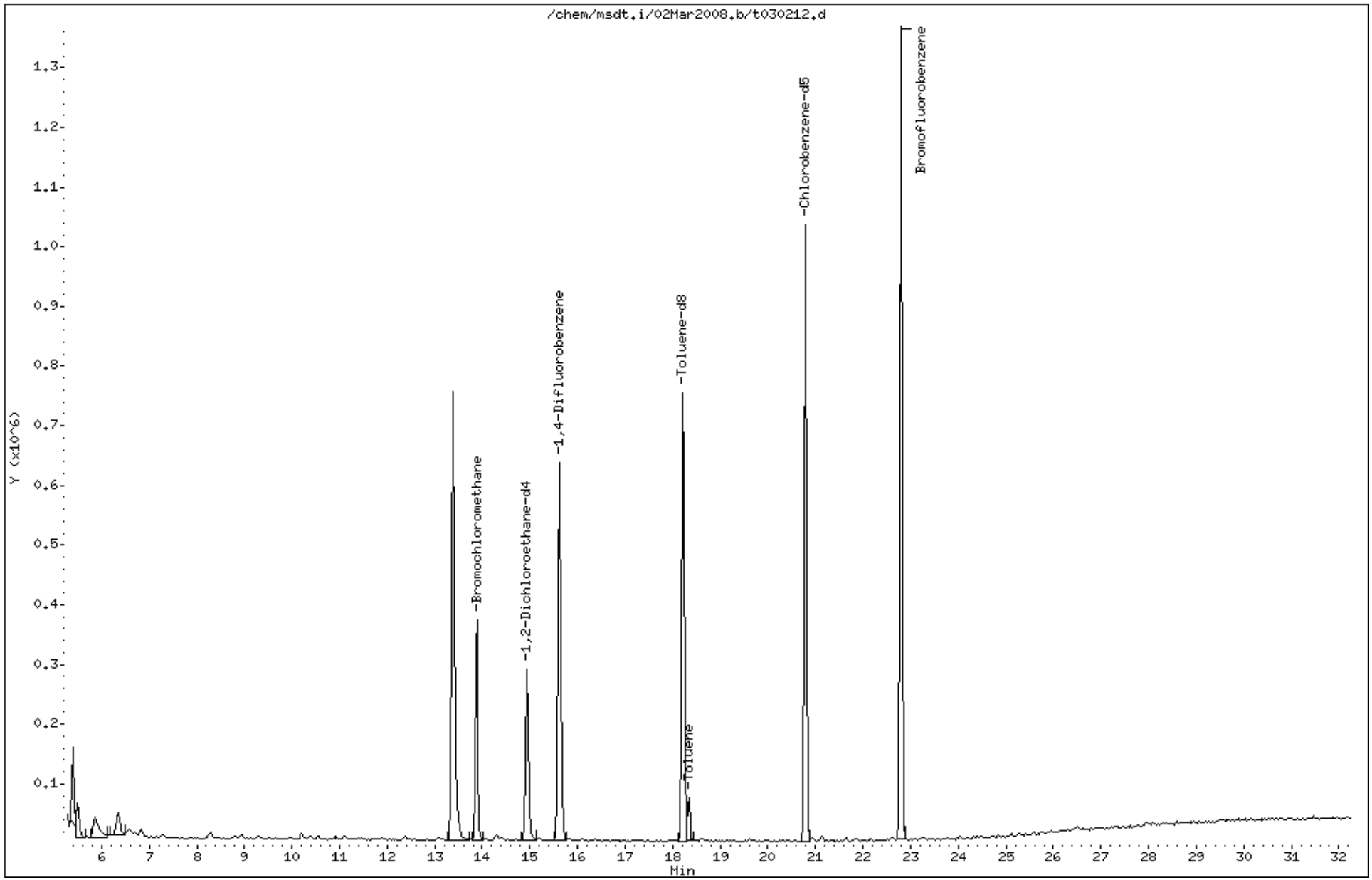
0013

Data File: /chem/msdt.i/02Mar2008.b/t030212.d
Date : 02-MAR-2008 18:45
Client ID:
Sample Info: 200mL #13859

Instrument: msdt.i

Operator: xp
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msdt.i/02Mar2008.b/t030212.d

Date : 02-MAR-2008 18:45

Client ID:

Instrument: msdt.i

Sample Info: 200mL #13859

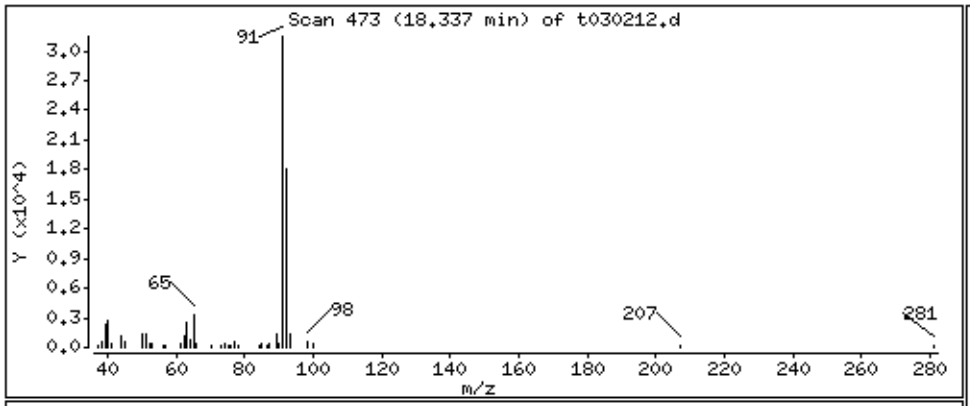
Operator: xp

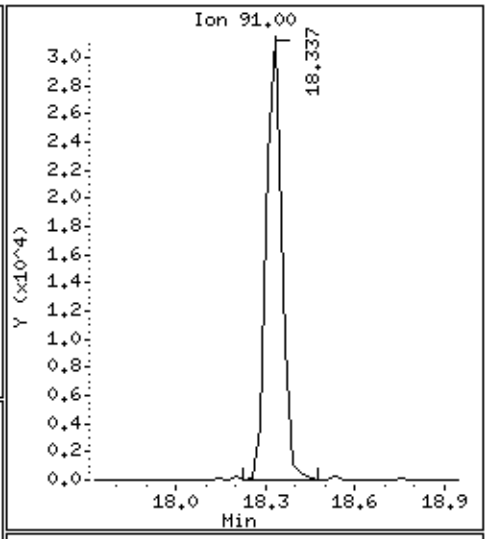
Column phase: RTx-624

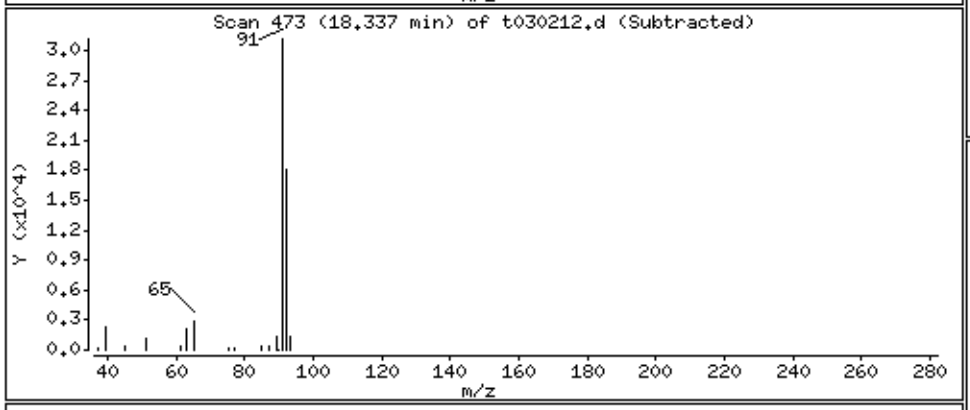
Column diameter: 0.53

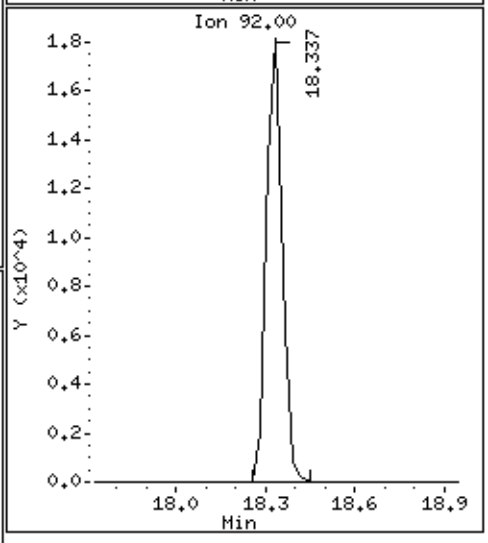
114 Toluene

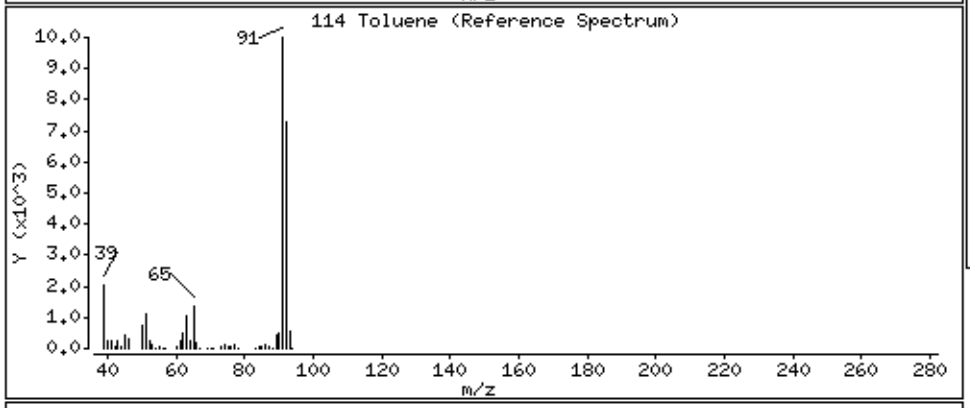
Concentration: 2.818 PPBV

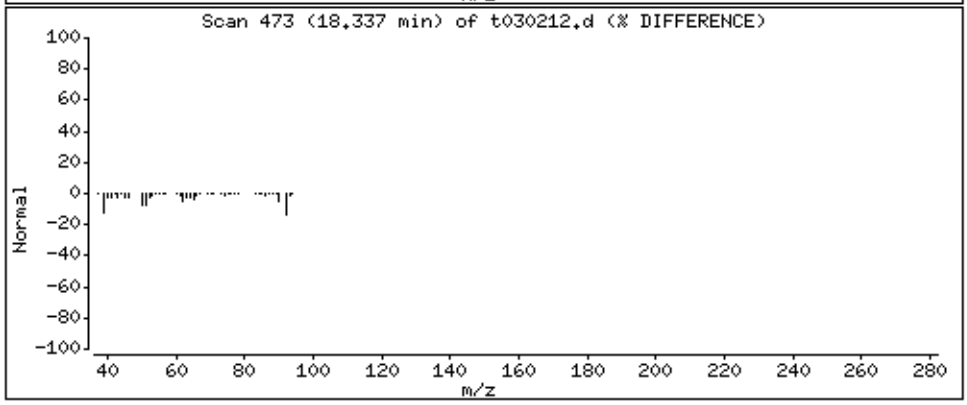












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS-5

Lab ID#: 0802426-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.80	1.6	3.0	6.0
Acetone	3.2	5.2	7.6	12

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS-5

Lab ID#: 0802426-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030213**	**Date of Collection:**	**2/20/08**
Dil. Factor:	**1.61**	**Date of Analysis:**	**3/2/08 07:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Freon 114	0.80	Not Detected	5.6	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Bromomethane	0.80	Not Detected	3.1	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
cis-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
Toluene	0.80	1.6	3.0	6.0
trans-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
Styrene	0.80	Not Detected	3.4	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS-5

Lab ID#: 0802426-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030213**	**Date of Collection: 2/20/08**	
Dil. Factor:	**1.61**	**Date of Analysis: 3/2/08 07:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.80	Not Detected	3.3	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
Cumene	0.80	Not Detected	4.0	Not Detected
Propylbenzene	0.80	Not Detected	4.0	Not Detected
Chloromethane	3.2	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	24	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected
Acetone	3.2	5.2	7.6	12
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
2-Propanol	3.2	Not Detected	7.9	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
1,4-Dioxane	3.2	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
2-Hexanone	3.2	Not Detected	13	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
Ethanol	3.2	Not Detected	6.1	Not Detected
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
3-Chloropropene	3.2	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Naphthalene	3.2	Not Detected	17	Not Detected

Container Type: 6 Liter Summa Canister

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Mar2008.b/t030213.d
Lab Smp Id: 0802426-02A
Inj Date : 02-MAR-2008 19:35
Operator : xp Inst ID: msdt.i
Smp Info : 200mL #36048
Misc Info : 5.0"Hg-5psi
Comment :
Method : /chem/msdt.i/02Mar2008.b/t14q206c.m
Meth Date : 04-Mar-2008 16:07 nkhan Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1
Dil Factor: 1.61000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	279657	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	217430			29.16- 129.16	77.75
13.886	13.886 (1.000)	49	330048			130.98- 230.98	118.02
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1078190	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	184150			0.00- 66.38	17.08
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1028816	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	594218			7.65- 107.65	57.76
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	443450	24.6433	24.643	80.00- 120.00	100.00
14.936	14.936 (1.076)	67	223113			3.57- 103.57	50.31
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1089077	26.2227	26.223	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	122820			0.00- 61.29	11.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	742528			18.71- 118.71	68.18
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	646459	24.2926	24.292	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	820990			77.36- 177.36	127.00
22.789	22.789 (1.096)	176	641211			45.57- 145.57	99.19
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	25839	3.25394	5.239	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	87052			267.82- 367.82	336.90
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	56776	0.98787	1.590	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	30763			10.04- 110.04	54.18

Report Date: 05-Mar-2008 10:44

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030213.d
Lab Smp Id: 0802426-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: xp
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 5.0"Hg-5psi

Calibration Date: 02-MAR-2008
Calibration Time: 09:53
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	303515	182109	424921	279657	-7.86
97 1,4-Difluorobenze	1266099	759659	1772539	1078190	-14.84
126 Chlorobenzene-d5	1189186	713512	1664860	1028816	-13.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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: 05-Mar-2008 10:44

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 02Mar2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0802426-02A
Level: LOW Operator: xp
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 5.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.643	98.57	70-130
$ 113 Toluene-d8	25.000	26.223	104.89	70-130
$ 137 Bromofluorobenzene	25.000	24.292	97.17	70-130

Data File: /chem/msdt.i/02Mar2008.b/t030213.d

Date : 02-MAR-2008 19:35

Client ID:

Sample Info: 200mL #36048

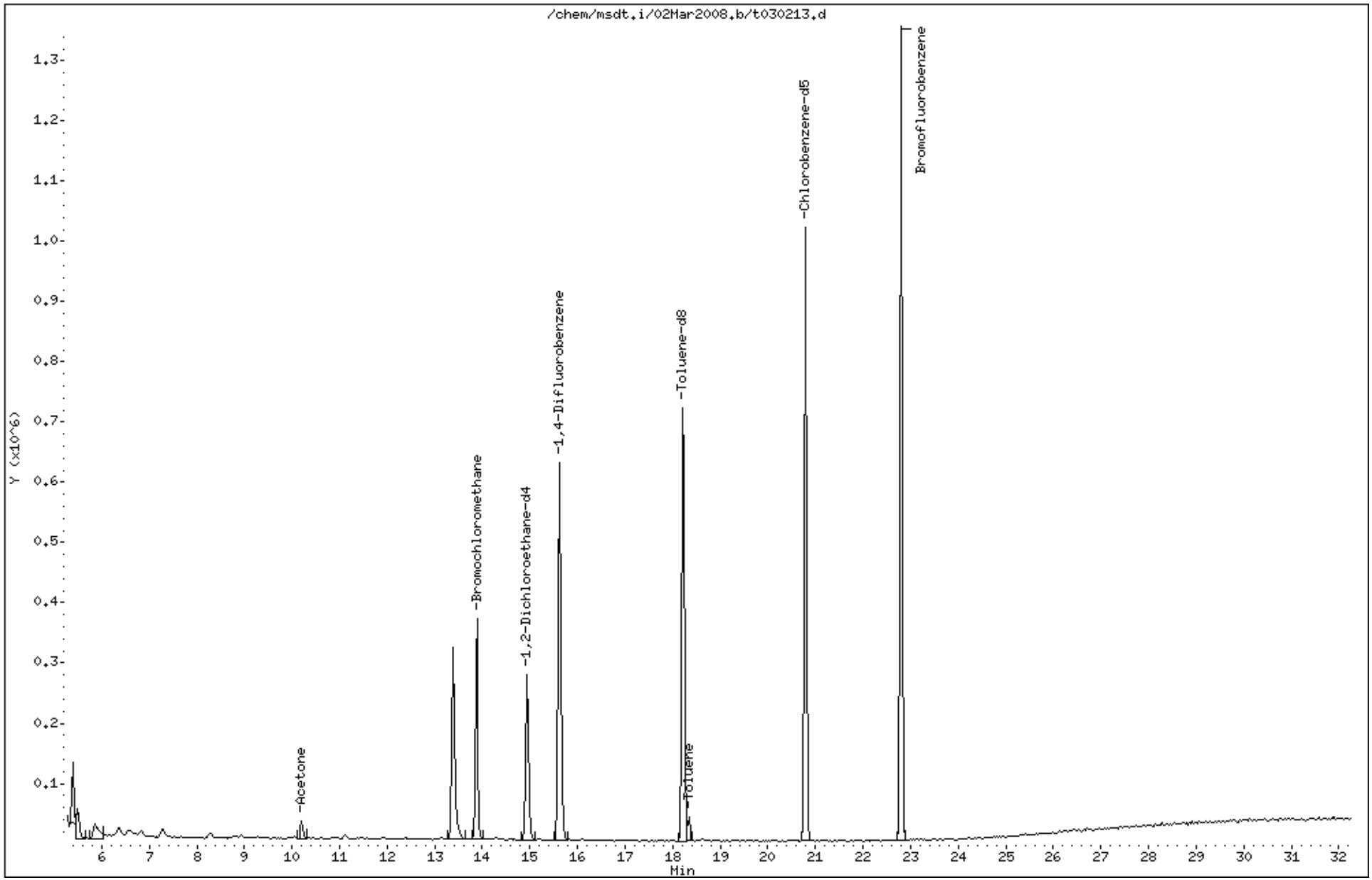
Column phase: RTx-624

Instrument: msdt.i

Operator: xp

Column diameter: 0.53

0022



Data File: /chem/msdt.i/02Mar2008.b/t030213.d

Date : 02-MAR-2008 19:35

Client ID:

Instrument: msdt.i

Sample Info: 200mL #36048

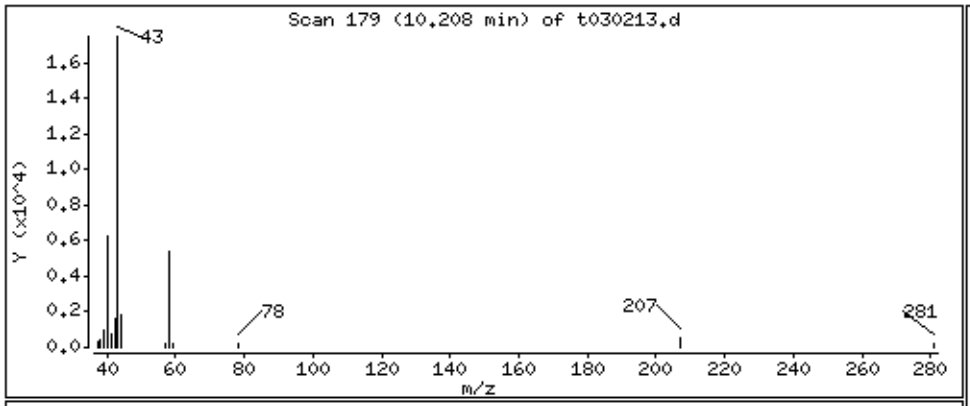
Operator: xp

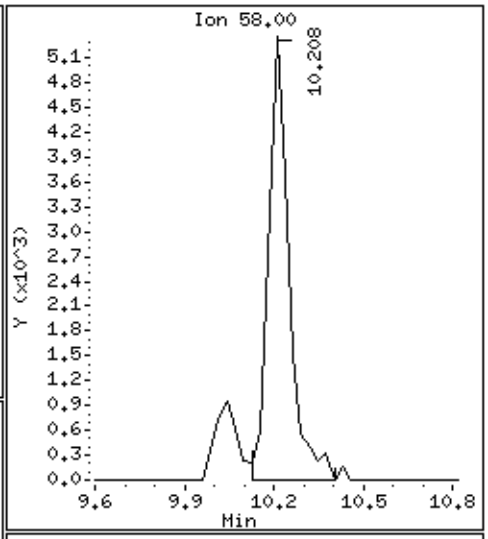
Column phase: RTx-624

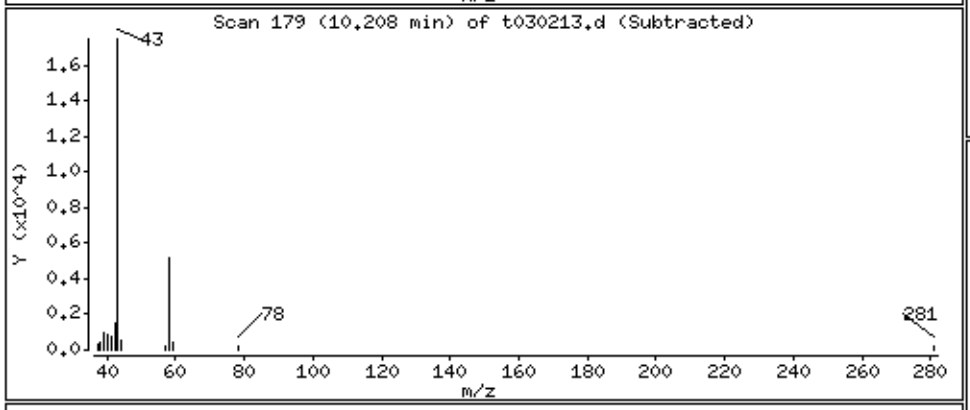
Column diameter: 0.53

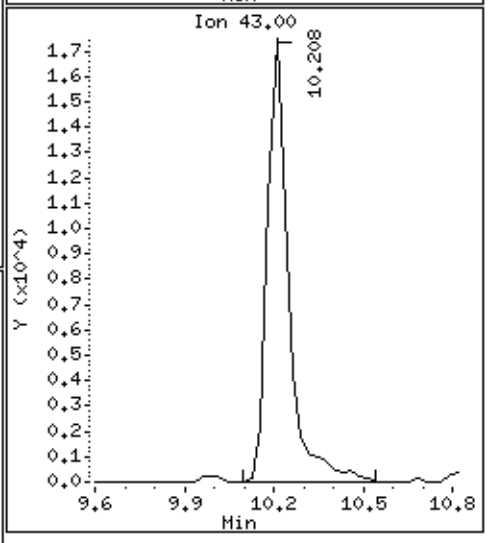
45 Acetone

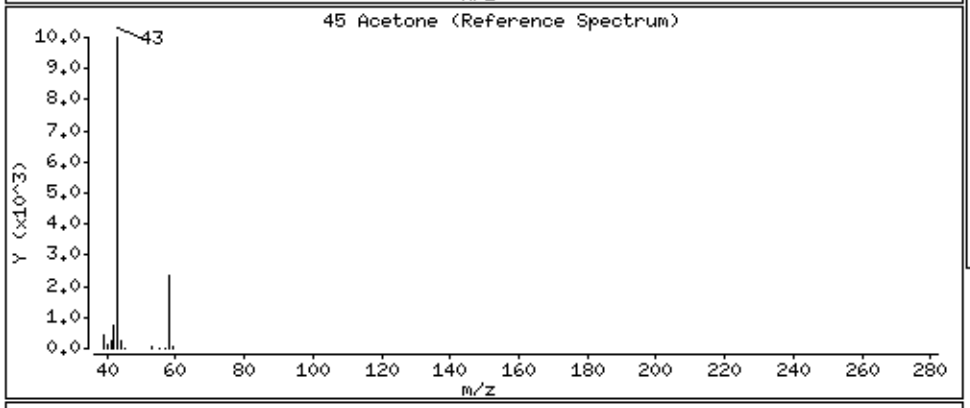
Concentration: 5.239 PPBV

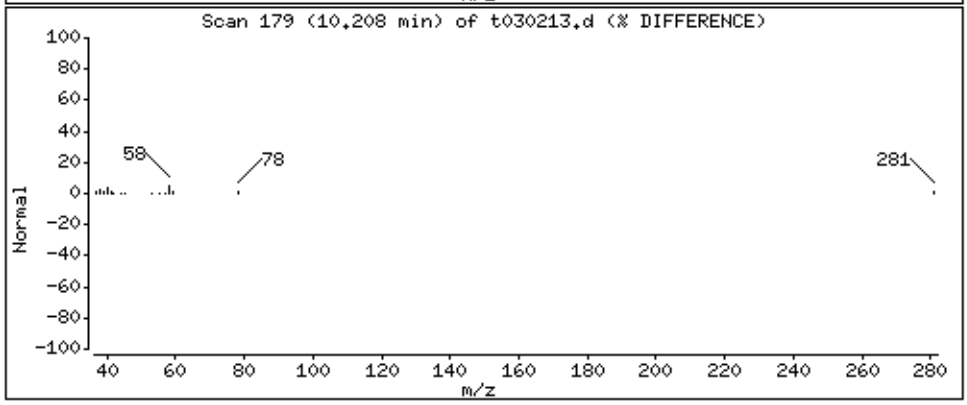












Data File: /chem/msdt.i/02Mar2008.b/t030213.d

Date : 02-MAR-2008 19:35

Client ID:

Instrument: msdt.i

Sample Info: 200mL #36048

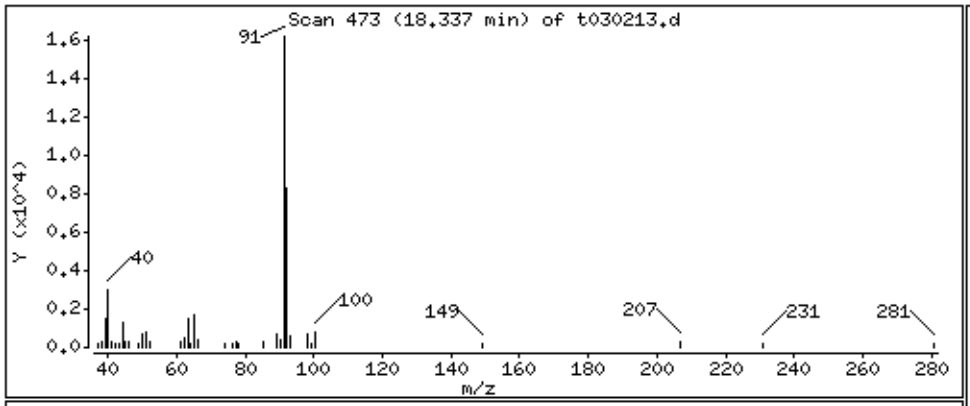
Operator: xp

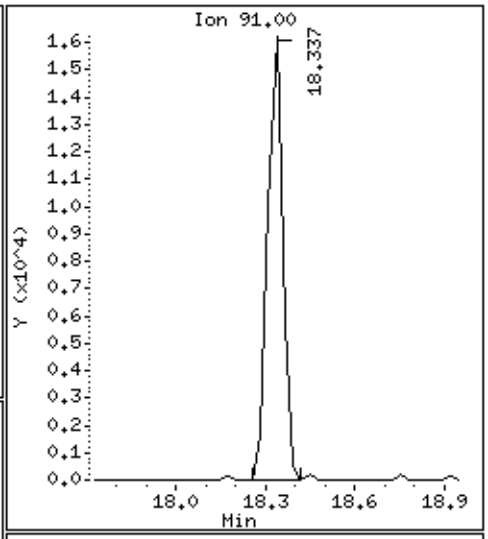
Column phase: RTx-624

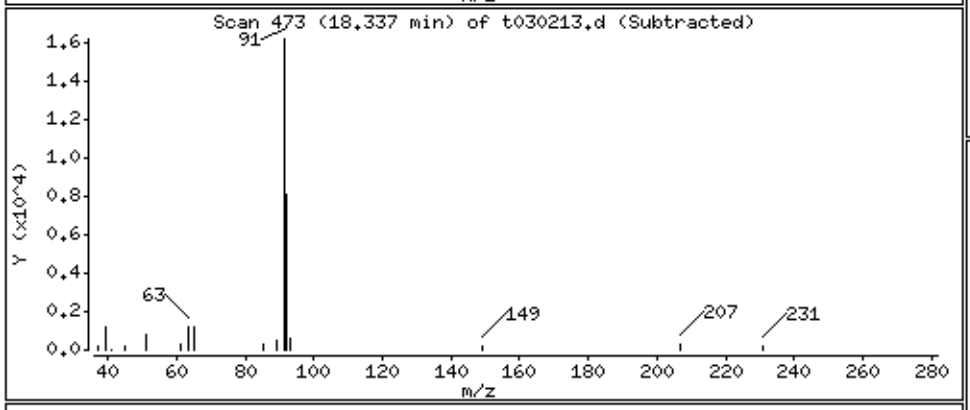
Column diameter: 0.53

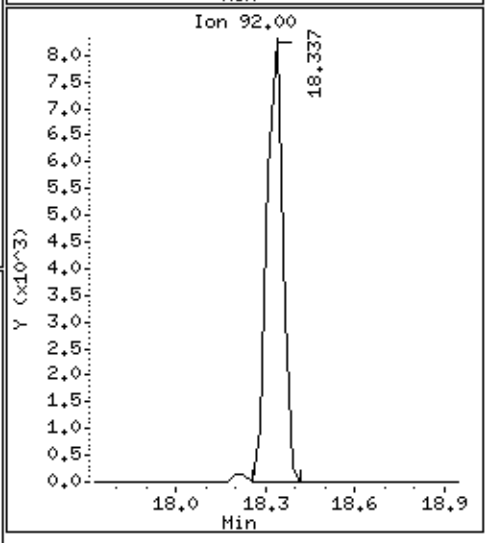
114 Toluene

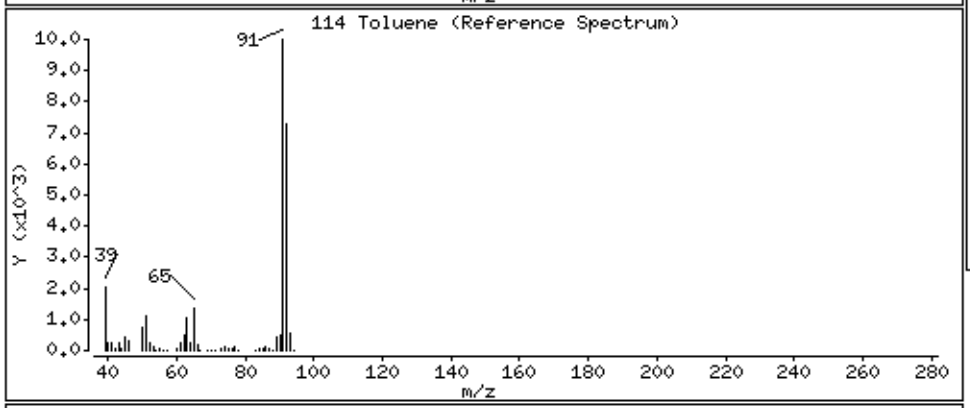
Concentration: 1.590 PPBV

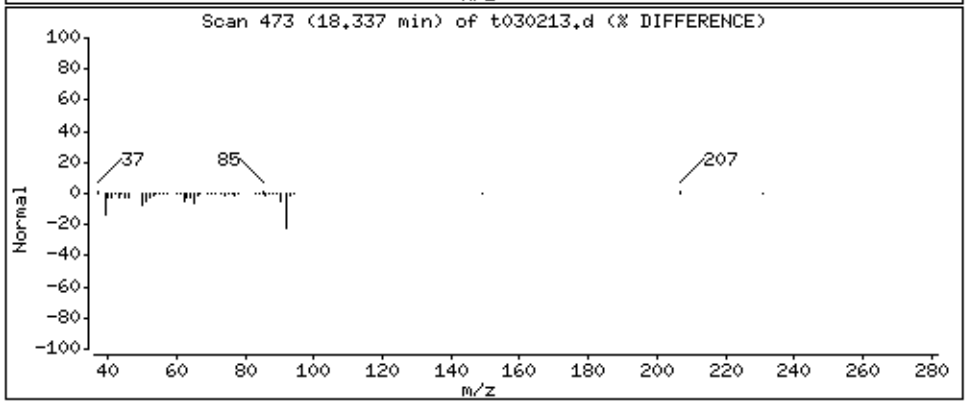












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802426-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 01:26 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
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802426-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 01:26 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	100	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Mar2008.b/t030206.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 02-MAR-2008 13:26
Operator : dfm Inst ID: msdt.i
Smp Info : 200mL #33668
Misc Info : Humid
Comment :
Method : /chem/msdt.i/02Mar2008.b/t14q206c.m
Meth Date : 02-Mar-2008 12:08 dmendoza Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	280165	25.0000		80.00- 120.00	100.00
13.858	13.886 (1.000)	128	213825			29.16- 129.16	76.32
13.858	13.858 (1.000)	49	336594			130.98- 230.98	120.14
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1136726	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	189288			0.00- 66.38	16.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1077720	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	624238			7.65- 107.65	57.92
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	449106	24.9123	24.912	80.00- 120.00	100.00
14.936	14.936 (1.076)	67	222704			3.57- 103.57	49.59
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1145160	26.1532	26.153	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	133030			0.00- 61.29	11.62

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	764115			18.71- 118.71	66.73
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	693483	24.8771	24.877	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	893681			77.36- 177.36	128.87
22.789	22.789 (1.096)	176	686366			45.57- 145.57	98.97

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030206.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: dfm
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: Humid

Calibration Date: 02-MAR-2008
Calibration Time: 09:53
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	303515	182109	424921	280165	-7.69
97 1,4-Difluorobenze	1266099	759659	1772539	1136726	-10.22
126 Chlorobenzene-d5	1189186	713512	1664860	1077720	-9.37

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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

Report Date: 02-Mar-2008 13:44

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 02Mar2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: dfm
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.912	99.65	70-130
$ 113 Toluene-d8	25.000	26.153	104.61	70-130
$ 137 Bromofluorobenzene	25.000	24.877	99.51	70-130

Data File: /chem/msdt.i/02Mar2008.b/t030206.d

Date : 02-MAR-2008 13:26

Client ID: Lab Blank

Sample Info: 200mL #33668

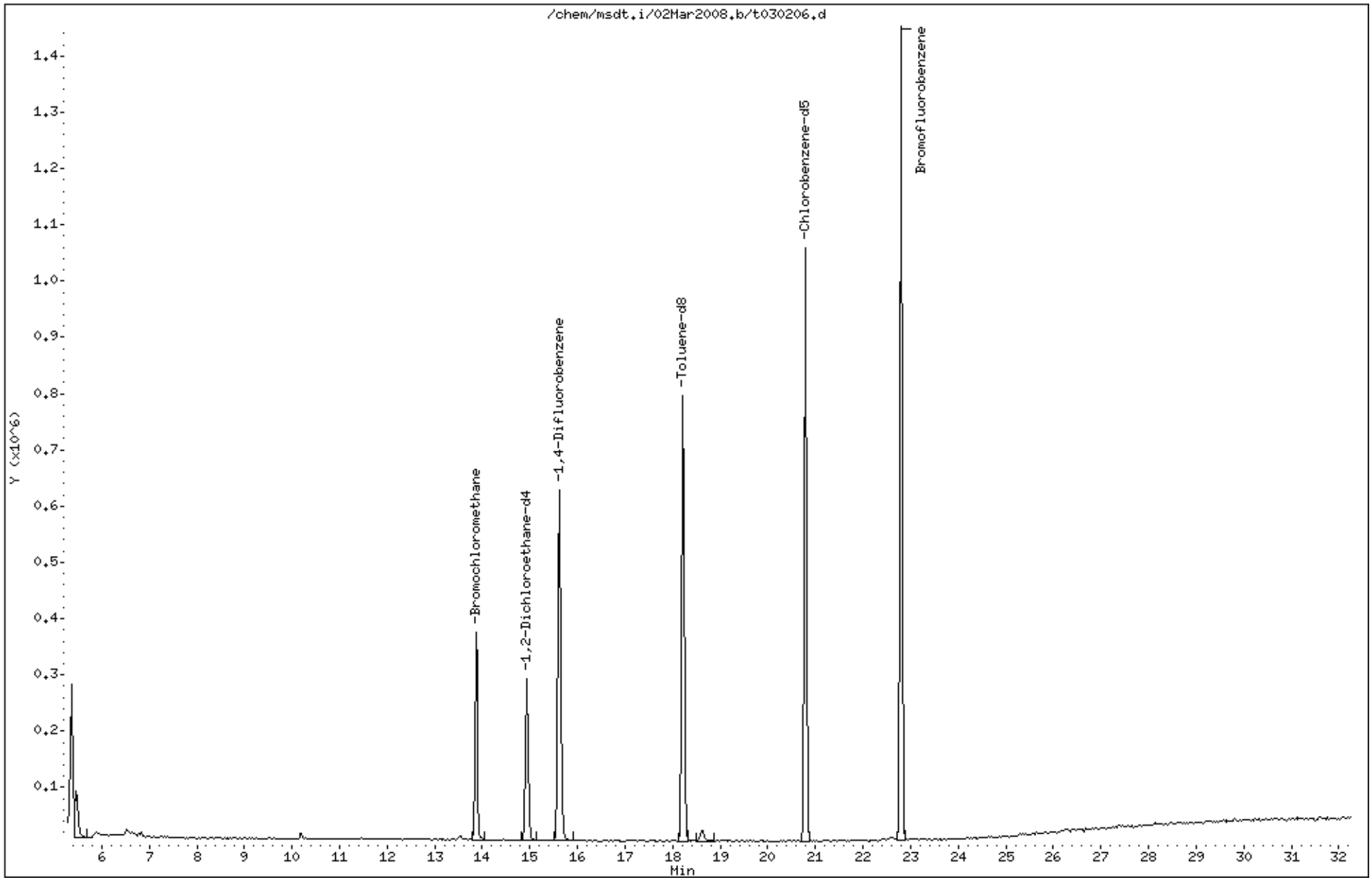
Column phase: RTx-624

Instrument: msdt.i

Operator: dfm

Column diameter: 0.53

0032



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0802426

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	DW AMS-1	97		106		97				0
02	UW AMS-5	98		105		97				0
03	Lab Blank	100		105		100				0
04	CCV	106		105		103				0
05	LCS	104		104		101				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: 0802426

Lab File ID: t030202.d | Date Analyzed: 03/02/2008

Instrument ID: msdt.i | Time Analyzed: 09:53 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1189186		20.8		1266099		15.63		303515		13.89	
	UPPER LIMIT	1664860		21.13		1772539		15.96		424921		14.22	
	LOWER LIMIT	713512		20.47		759659		15.30		182109		13.56	
	CLIENT SAMPLE NO												
01	DW AMS-1	1056867		20.8		1104265		15.63		288515		13.89	
02	UW AMS-5	1028816		20.8		1078190		15.63		279657		13.89	
03	Lab Blank	1077720		20.8		1136726		15.63		280165		13.89	
04	CCV	1189186		20.8		1266099		15.63		303515		13.89	
05	LCS	1193136		20.8		1312919		15.63		326174		13.89	
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 : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/06Feb2008.b/t020607.d
Level 2: /chem/msdt.i/06Feb2008.b/t020615.d
Level 3: /chem/msdt.i/28Feb2008.b/t022804.d
Level 4: /chem/msdt.i/21Feb2008.b/t022103.d
Level 5: /chem/msdt.i/28Feb2008.b/t022805.d
Level 6: /chem/msdt.i/21Feb2008.b/t022109.d
Level 7: /chem/msdt.i/28Feb2008.b/t022806.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	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
204 Propane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon142b	+++++	+++++	3.08434	3.14708	3.61347	3.56308	3.77448	3.43649	8.842

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							
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
9 Freon 13	+++++	+++++	3.23618	3.29433	3.34933	3.57582		
	3.77364						3.44586	6.498
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
13 Freon 134a	+++++	+++++	1.43136	1.41603	1.53392	1.58057		
	1.72491						1.53736	8.164
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Propylene	+++++	+++++	0.84673	0.85060	0.79894	0.79144		
	0.80075						0.81770	3.488
15 Freon 152a	+++++	+++++	0.83463	0.73405	0.81286	0.82958		
	0.92807						0.82784	8.351
12 Dichlorodifluoromethane/Fr12	+++++	4.16310	4.59106	5.40232	5.14446	5.05621		
	4.93291						4.88168	9.041
17 Freon 22	+++++	+++++	0.34699	0.36399	0.38557	0.40685		
	0.44934						0.39055	10.202

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
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
16 Freon 114	+++++	2.99040	2.92556	3.49436	3.32698	3.32662	3.29796	3.22698	6.836
18 Chloromethane	+++++	+++++	0.98827	1.10944	1.03446	1.10461	1.09200	1.06576	4.941
21 Isobutane	+++++	+++++	2.23567	+++++	2.09534	+++++	1.67818	2.00306	14.477
20 Vinyl Chloride	+++++	1.42862	1.28255	1.59625	1.47907	1.49951	1.49340	1.46323	7.103
19 Butane	+++++	+++++	0.25023	0.30439	0.28440	0.28549	0.27474	0.27985	7.053
22 1,3-Butadiene	+++++	0.97057	1.02558	1.21355	1.14007	1.13828	1.11885	1.10115	7.979
26 Methanol	+++++	+++++	+++++	0.32872	0.14314	0.16544	0.19742	0.20868	39.806
25 Bromomethane	+++++	1.36425	1.28940	1.56898	1.45095	1.49031	1.52877	1.44878	7.247
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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	200.000 Level 7	___ RRF	% RSD
27 Chloroethane	+++++	0.65321	0.67403	0.83510	0.80667	0.80944	0.80030	0.76312	10.255
29 Isopentane	+++++	+++++	1.41966	1.72435	1.68834	1.64271	1.60636	1.61629	7.342
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.46115	2.48121	2.61085	2.39743	2.32898	2.45592	4.280
35 1-Pentene	+++++	+++++	1.78303	+++++	1.38783	+++++	1.12705	1.43263	23.054
31 Trichlorofluoromethane/Fr11	+++++	4.83077	5.16410	6.19720	5.82682	5.63959	5.49991	5.52640	8.749
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
38 Ethanol	+++++	+++++	0.30720	0.46457	0.45284	0.43697	0.45254	0.42283	15.461
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	1.67093	1.80792	2.07320	1.91202	2.00931	1.89468	8.465
41 Freon123	+++++	+++++	0.20549	0.20922	0.23514	0.23436	0.22855	0.22255	6.365
44 Acrolein	+++++	+++++	0.64319	+++++	0.40537	+++++	0.32137	0.45665	36.555
42 Freon 113	+++++	2.32343	2.43842	2.80201	2.61026	2.58402	2.51013	2.54471	6.421
43 1,1-Dichloroethene	+++++	1.89819	1.96458	2.53705	2.44002	2.45483	2.44852	2.29053	12.275
45 Acetone	+++++	+++++	0.64513	0.75269	0.75542	0.70777	0.68836	0.70987	6.519
46 2-Propanol	+++++	+++++	1.84353	2.56755	2.62153	2.59185	2.53924	2.43274	13.597
48 Ethyl acrylate	+++++	+++++	0.05509	+++++	0.06352	+++++	0.05701	0.05854	7.549

Air Toxics Ltd.

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Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
47 Carbon Disulfide	+++++	3.75552	3.89953	4.70232	4.46118	4.57127	4.60543	4.33254	9.262
49 Iodomethane	+++++	+++++	4.21277	+++++	3.30963	+++++	2.95714	3.49318	18.540
50 Methyl Methacrylate	+++++	+++++	0.45580	+++++	0.43139	+++++	0.37995	0.42238	9.166
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
51 3-Chloropropene	+++++	+++++	0.57241	0.83863	0.77832	0.77926	0.76166	0.74606	13.589
52 Acetonitrile	+++++	+++++	0.71886	+++++	0.52834	+++++	0.41464	0.55395	27.750
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
56 Cyclopentane	+++++	+++++	1.19413	+++++	0.92648	+++++	0.76485	0.96182	22.542
54 Methylene Chloride	+++++	1.42542	1.38589	1.54346	1.44317	1.45012	1.44235	1.44840	3.593

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	200.000 Level 7	___ RRF	% RSD	
57 tert-Butyl-Alcohol	+++++	+++++	1.82841	3.04910	3.01051	2.74877	2.61830	2.65102	18.624	
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
60 MTBE	+++++	1.74667	2.48598	5.35404	5.24034	5.08244	5.03910	4.15810	38.544	<-
61 trans-1,2-Dichloroethene	+++++	1.37259	1.40223	1.98489	1.85179	1.82018	1.78174	1.70224	14.889	
62 Acrylonitrile	+++++	+++++	1.37347	+++++	0.97775	+++++	0.77507	1.04210	29.205	
66 1-Hexene	+++++	+++++	1.02676	+++++	0.97511	+++++	0.78446	0.92878	13.741	
63 2-Pentanone	+++++	+++++	0.83769	+++++	0.79579	+++++	0.69487	0.77612	9.459	
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
65 Hexane	+++++	1.32672	1.77918	2.62091	2.58448	2.58635	2.58008	2.24629	24.751	

Air Toxics Ltd.

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Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
68 Isopropyl ether	+++++	+++++	3.46151	3.51777	4.38551	4.38257	4.73654	4.09678	13.986
69 Vinyl Acetate	+++++	+++++	0.32869	0.45891	0.45656	0.47908	0.47874	0.44040	14.383
70 1,1-Dichloroethane	+++++	2.38432	2.79344	3.61652	3.47281	3.35324	3.23668	3.14283	14.814
71 1-Propanol	+++++	+++++	0.15996	0.23615	0.18897	0.23814	0.25309	0.21526	18.202
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	3.22964	3.53835	4.86959	4.90857	5.27473	4.36418	20.970
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Ethyl Acetate	+++++	+++++	0.43635	0.37272	0.45984	0.44479	0.49610	0.44196	10.172

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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	200.000 Level 7	___ RRF	% RSD
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 2-Butanone	+++++	0.54840	0.64439	0.87500	0.88005	0.92266	0.92719	0.79961	20.225
76 cis-1,2-Dichloroethene	+++++	1.50980	1.82949	2.43792	2.35871	2.32430	2.22781	2.11467	17.285
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 Tetrahydrofuran	+++++	0.86924	1.09182	1.54446	1.53666	1.53710	1.51283	1.34868	21.793
82 Chloroform	2.87970	2.73754	3.43045	4.29177	4.13727	4.05571	3.88461	3.63101	17.201
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	+++++	2.56837	3.64494	4.67327	4.45606	4.41784	4.33648	4.01616	19.679
85 Cyclohexane	+++++	1.36064	1.71484	2.48744	2.40989	2.47472	2.45512	2.15044	22.709
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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							
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
87 Carbon Tetrachloride	+++++	2.69834	3.44710	4.47510	4.26367	4.18227		
	4.08084						3.85789	17.248
99 Isobutanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
89 2,2,4-Trimethylpentane	+++++	3.17139	4.19445	6.10478	5.79296	5.98557		
	6.21058						5.24329	24.009
91 Benzene	1.30575	0.88191	1.17697	1.40059	1.35772	1.31372		
	1.31185						1.24979	14.092
92 tert-amyl-Methyl Ether	+++++	+++++	3.16063	3.41817	4.52447	4.57581		
	4.96193						4.12820	19.123
96 2-Heptanone	+++++	+++++	1.27450	1.66153	2.39901	2.62689		
	2.87236						2.16686	31.086
93 1,2-Dichloroethane	+++++	0.44681	0.57569	0.69764	0.67542	0.64331		
	0.61956						0.60974	14.846
94 Heptane	+++++	0.22192	0.29435	0.41861	0.39712	0.39872		
	0.39194						0.35378	22.068
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
98 1-Butanol	+++++	+++++	0.09734	0.14280	0.14126	0.20427	0.22835	0.16280	32.451
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Trichloroethene	+++++	0.34601	0.49463	0.62804	0.59888	0.57328	0.57089	0.53529	19.204
102 Methyl Cyclohexane	+++++	1.53385	2.04963	2.92705	2.84733	2.93614	2.98281	2.54614	23.889
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
104 1,2-Dichloropropane	+++++	0.29580	0.38067	0.47917	0.46930	0.45378	0.45136	0.42168	16.773
106 1,4-Dioxane	+++++	+++++	0.24229	0.32501	0.32675	0.32426	0.32497	0.30866	12.023
105 Dibromomethane	+++++	+++++	0.53145	+++++	0.42969	+++++	0.38093	0.44735	17.168
107 Bromodichloromethane	+++++	0.61966	0.87952	1.12677	1.07497	1.03421	1.01275	0.95798	19.338
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
110 cis-1,3-Dichloropropene	+++++	0.38794	0.53248	0.74519	0.74052	0.72847	0.72072	0.64255	23.143	
111 4-Methyl-2-pentanone	+++++	0.14029	0.20868	0.34424	0.34948	0.35032	0.35871	0.29195	32.073	<-
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
114 Toluene	+++++	0.81092	1.24660	1.54307	1.48194	1.44683	1.46639	1.33263	20.608	
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
116 trans-1,3-Dichloropropene	+++++	0.47967	0.69609	0.94114	0.90256	0.87044	0.85094	0.79014	21.981	
117 1,1,2-Trichloroethane	+++++	0.34939	0.54719	0.67788	0.64198	0.60975	0.59063	0.56947	20.481	
120 Tetrachloroethene	+++++	0.49262	0.70999	0.91885	0.85607	0.81552	0.78542	0.76308	19.624	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
121 2-Hexanone	+++++	+++++	0.25507	0.52868	0.53983	0.53135		
	0.52933						0.47685	26.017
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Butyl Acetate	+++++	+++++	0.24369	0.28185	0.37466	0.39556		
	0.40225						0.33960	21.243
122 Dibromochloromethane	+++++	0.53953	0.85628	1.18704	1.12813	1.07161		
	1.03522						0.96963	24.619
123 1,2-Dibromoethane	0.84179	0.55970	0.80137	1.10140	1.04350	1.00535		
	0.98755						0.90581	20.585
127 Chlorobenzene	+++++	0.89505	1.25385	1.53453	1.44109	1.38816		
	1.37527						1.31466	17.116
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
128 Ethyl Benzene	+++++	0.41019	0.61882	0.81504	0.76644	0.73946		
	0.73702						0.68116	21.679
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
129 m,p-Xylene	+++++	0.45061	0.77115	1.03224	0.98373	0.95372		
	0.95497						0.85774	25.449

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	200.000 Level 7								
130 o-Xylene	+++++	0.44049	0.71861	0.99008	0.93480	0.90783			
	0.90371						0.81592	25.179	
131 Styrene	1.03326	0.59334	1.00313	1.58534	1.52043	1.48920			
	1.52545						1.25002	30.248	<-
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
133 Bromoform	+++++	0.55412	0.90763	1.25794	1.20404	1.16528			
	1.15578						1.04080	25.677	
134 Cumene	2.06305	1.21611	1.95934	2.74683	2.61042	2.56662			
	2.59241						2.25068	24.218	
135 Cyclohexanone	+++++	+++++	0.27258	0.41193	0.36212	0.49851			
	0.52619						0.41426	24.859	
140 1,1,2,2-Tetrachloroethane	+++++	0.66388	1.29422	1.55449	1.46984	1.42576			
	1.44462						1.30880	24.983	
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
142 Propylbenzene	+++++	1.65274	2.71658	3.50920	3.34294	3.25726			
	3.02690						2.91760	23.239	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
145 4-Ethyltoluene	+++++	1.20333	2.36567	3.05246	2.92449	2.81345	2.54265	2.48367	27.208
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	1.09055	1.94838	2.57321	2.40165	2.34695	2.35136	2.11868	25.670
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	0.72243	0.92643	1.23471	1.30508	1.32951	1.10363	24.207
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	0.93406	1.80498	2.41563	2.30233	2.24772	2.27401	1.99645	28.110
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.82952	1.50140	1.66547	1.57037	1.51511	1.52780	1.43495	21.080
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,4-Dichlorobenzene	+++++	0.86046	1.50599	1.71817	1.62550	1.56465	1.58445	1.47654	20.993
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	+++++	1.02357	1.93206	2.54425	2.48304	2.45510	2.37094	2.13483	27.499
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
160 Indene	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
161 1,2-Dichlorobenzene	*****	0.79871	1.48339	1.61702	1.52034	1.46826		
	1.49927						1.39783	21.332
203 Hexachloroethane	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
162 1,2-Dibromo-3-Chloropropane	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
163 Aniline	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
164 Isooctyl Alcohol	*****	*****	*****	*****	*****	*****		
	*****						*****	*****
165 1,2,4-Trichlorobenzene	*****	*****	1.02280	1.08351	1.06141	1.06577		
	1.09716						1.06613	2.638
166 Hexachlorobutadiene	*****	*****	1.24188	1.06702	1.02142	0.99945		
	1.03510						1.07297	9.091
167 Naphthalene	*****	*****	1.26860	1.50335	1.49914	1.52078		
	1.58611						1.47559	8.191
202 1,2,3-Trichlorobenzene	*****	*****	*****	*****	*****	*****		
	*****						*****	*****

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/28Feb2008.b/t14q206c.m
Cal Date : 28-Feb-2008 16:07 sruth
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.52060	1.52978	1.50295	1.59264	1.64012	1.70487	1.76955	1.60865	6.296
$ 113 Toluene-d8	0.94316	0.95996	0.94937	0.96424	0.96043	0.97540	0.98845	0.96300	1.585
$ 137 Bromofluorobenzene	0.65286	0.64773	0.63223	0.63637	0.65401	0.65087	0.65249	0.64665	1.353

Calibration History

Method : /chem/msdt.i/28Feb2008.b/t14q206c.m
Start Cal Date: 06-FEB-2008 14:27
End Cal Date : 28-FEB-2008 15:24

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
06-FEB-2008 14:27	AFCEElow	/chem/msdt.i/06Feb2008.b/t020607.d
Cal Level: 2 , Cal Amount: 0.50000		
06-FEB-2008 22:02	AT04low+ENSR	/chem/msdt.i/06Feb2008.b/t020615.d
Cal Level: 3 , Cal Amount: 2.00000		
28-FEB-2008 13:03	sp12c	/chem/msdt.i/28Feb2008.b/t022804.d
21-FEB-2008 09:41	sp22b	/chem/msdt.i/21Feb2008.b/t022102.d
06-FEB-2008 15:52	AT04mdl+ENSR	/chem/msdt.i/06Feb2008.b/t020609.d
Cal Level: 4 , Cal Amount: 25.00000		
21-FEB-2008 10:21	sp22b	/chem/msdt.i/21Feb2008.b/t022103.d
06-FEB-2008 16:33	AT04mdl+ENSR	/chem/msdt.i/06Feb2008.b/t020610.d
Cal Level: 5 , Cal Amount: 50.00000		
28-FEB-2008 14:33	sp12c	/chem/msdt.i/28Feb2008.b/t022805.d
21-FEB-2008 11:03	sp22b	/chem/msdt.i/21Feb2008.b/t022104.d
06-FEB-2008 17:13	AT04mdl+ENSR	/chem/msdt.i/06Feb2008.b/t020611.d
Cal Level: 6 , Cal Amount: 100.00000		
21-FEB-2008 17:00	sp22b	/chem/msdt.i/21Feb2008.b/t022109.d
06-FEB-2008 17:51	AT04mdl+ENSR	/chem/msdt.i/06Feb2008.b/t020612.d
Cal Level: 7 , Cal Amount: 200.00000		
28-FEB-2008 15:24	sp12c	/chem/msdt.i/28Feb2008.b/t022806.d

21-FEB-2008 12:05	sp22b	/chem/msdt.i/21Feb2008.b/t022105.d
06-FEB-2008 19:41	AT04mdl+ENSR	/chem/msdt.i/06Feb2008.b/t020613.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
28-FEB-2008 14:33	sp12c	/chem/msdt.i/28Feb2008.b/t022805.d
Ccal Level: 5 , Ccal Amount: 50.000		
28-FEB-2008 14:33	sp12cCCV	/chem/msdt.i/28Feb2008.b/t022805a.d
Ccal Level: 5 , Ccal Amount: 50.000		
28-FEB-2008 09:49	AT04ENSR	/chem/msdt.i/28Feb2008.b/t022802.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-T on February 6, 2008.

The following compounds used 0.2ppbv as the lowest calibration concentration:

Chloroform, Benzene, Styrene, Cumene, and 1,2-Dibromoethane.

As noted on the accompanying analytical run log, the following point, 0.5ppbv, was re-analyzed due to:

a. anomalous unacceptable linearity for various compounds

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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.07
75	30.0 – 60.0% of mass 95	50.99
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.46
173	Less than 2.0% of mass 174	(0.76)[1]
174	Greater than 50.0% of mass 95	75.96
175	5.0 – 9.0% of mass 174	(7.09)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.77)[1]
177	5.0 – 9.0% of mass 176	(6.41)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 2/6/08

BFB Injection Time: 1226

BFB File ID: t020605

Tekmar Purge Flow: ——

Vacuum: 2.16e-5

IS/S Std.#: 1443-398	Exp. Date: 3/28/08
BCM	355997
1,4-DFB	1372567
CB-d5	1227265

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

Verify 176/174 m/z Ratio: 1308292/1351956 x100 = 96.77

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1318253)}{(1372567)} \times \frac{(25.0)}{(0.96300)} = 24.933$

File ID:	t020611
Compound:	Tol-d8
Initials:	SM

Reported Result 24.933

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	t020605	BFB Tune Check	14765	50psig	2mL	1.00	2/6/08	1226	SM	
2	✓	06	System Blank	3368	Humid	200mL			1303	SM	
3	✓	07	ICAL Level 1	1576-261	0.2ppbv	0.2mL			1427	LO	t14q206a
4	X	08	2		0.5ppbv	0.5mL			1512	LO	
5	~~X~~ ✓	09	3		2.0ppbv	2.0mL			1552	LO	
6	✓	10	4		25ppbv	25mL			1633	LO	
7	✓	11	5		50ppbv	50mL			1713	LO	
8	✓	12	6		100ppbv	100mL			1751	LO	
9	✓	13	7		200ppbv	200mL	↓		1941	LO	

Signature

2/6/08
Date

0057

#											
10	✓	T020614	System Blank	33668	[illegible]	200ml	1.00	2/6/08	2019	SS	
11	✓	| 15	ICAL Level 2	1576-261	0.5ppbv	0.5ml	1.00	|	2202	[illegible]	
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

[illegible] 2/7/08

Comments: Flow controller # AA98123220 — Actual / Nominal

Flow meter #200-7744 ; exp 8/27/08 — 25 mL/min / 22.9 mL/min

[signature] Signature

2/7/08 Date

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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.83
75	30.0 – 60.0% of mass 95	50.78
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.35
173	Less than 2.0% of mass 174	(0.80)[1]
174	Greater than 50.0% of mass 95	74.12
175	5.0 – 9.0% of mass 174	(7.27)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.56)[1]
177	5.0 – 9.0% of mass 176	(6.47)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 2/7/08

BFB Injection Time: 0918

BFB File ID: t020701

Tekmar Purge Flow: 19.5mL/min

Vacuum: 4.24e-5

IS/S Std.#: 1443-398	Exp. Date: 3/28/08
BCM	357541
1,4-DFB	1413414
CB-d5	1290063

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

Verify 176/174 m/z Ratio: 1426273/1477051 x100 = 96.56

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1382401)}{(1413414)} \times \frac{(25.0)}{(0.96300)} = 25.391$

Reported Result 25.391

File ID:	t020702
Compound:	Tol-d8
Initials:	SJR

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	t020701	BFB Tune Chk	1476-65	50psig	2uL	1.00	2/7/08	0918	SJR	
2	✓	02	CCV-1 (200ppbv)	1576-261	50ppbv	50mL			0941	SJR	Ø out
3	✓	03	LCS-1	1576-255					1041	SJR	Ø out ICAL LCS
4	—	04	Gas Std (50ppmv)	1576-14A	2500ppbv	10mL					
5											
6											
7										SJR	2/7/08
8											
9											

Signature

2/7/08
Date

0058

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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.25
75	30.0 – 60.0% of mass 95	50.78
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.47
173	Less than 2.0% of mass 174	(0.76)[1]
174	Greater than 50.0% of mass 95	71.09
175	5.0 – 9.0% of mass 174	(7.21)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.15)[1]
177	5.0 – 9.0% of mass 176	(6.42)[2]

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

BFB Injection Date: 2/21/08
BFB Injection Time: 0830
BFB File ID: t022101
Tekmar Purge Flow: —
Vacuum: 3.99e-5

IS/S Std.#: 1443-396	Exp. Date: 3/28/08
BCM	318158
1,4-DFB	1251468
CB-d5	1150991

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

Verify 176/174 m/z Ratio: 1244707/1294506 x100 = 96.15 **NOAH Cart #:** NA **File #:** NA

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(1267119)}{(1251468)} \times \frac{(25.0)}{(0.96300)} = 26.285$

File ID:	t022106
Compound:	Tol-d8
Initials:	SJM

Reported Result 26.285

MeOH method

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	t022101	BFB Tune Check	1476-274	50ng	2mL	1.00	2/21/08	0830	SJM	
2	✓	02	ICAL Level 3	1576-299	2ppb/12ppb	2.0mL			0941	SJM	t14g206b
3	✓	03	4		8ppb/48ppb	8.0mL			1021	SJM	MeOH0221A
4	✓	04	5		50ppb/300ppb	50mL			1103	SJM	sp22b
5	✓	05	7		200ppb/1200ppb	200mL			1205	SJM	
6	✓	06	CCV-1 (200ppbv)	1576-261	50ppbv	50mL			1436	SJM	Ø ast
7	~~✓~~	~~07~~	ICAL Level 6	1576-299	100ppb/600ppb	100mL			SJM 2/22/08		not loaded
8	✓	07	LCS-1 (200ppbv)	1576-255	50ppbv	50mL	1.00		1525	SJM	Ø ast
9	✓	08	System Blank	3366B	Humid	200mL		↓	1617	SJM	

Signature

2/21/08
Date

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MSD-T

Logbook #: 1599

10	✓	022109	ICAL Level 6		1536-289	100ppb/600ppb	100 mL	1.00	2/21/08	1700	Act		
11	✓	10	Lab Blank		33d68	Humid	200 mL	↓		1755	Act		
12	✓	11	0802200	-01A	33942	6.0"Hg→5psi		1.68		1847	Act		
13	✓	12		-02A	33943	7.5"Hg→5psi		1.79		P216	Act		
14	✓	13		-01AA	33942	6.0"Hg→5psi		1.68		2005	Act		
15	✓	14		-02AA	33943	7.5"Hg→5psi		1.79		2043	Act		
16	✓	15		-03A	SC416	6.5"Hg→5psi		1.71		2122	Act		
17	✓	16		-04A	9945					2201	Act		
18	✓	17		-05A	34306					2239	Act		
19	✓	18	↓	-06A	R-4	6.0"Hg→5psi		1.68	↓	2338	or		
20	✓	19	0802283	-01A	22497	1	↓	1	2/22/08	0017	or		
21	✓	20		02A	34438	5.5"Hg→5psi	250mL	1.64		0134	or		
22	✓	21		03A	23996	5.5"Hg→5psi	200 mL	1.64		0221	or		
23	X	22		04A	35171	6.5"Hg→5psi	200mL	1.71		0308	or		MeCl
24	X	23	↓	05A	34746	6.0"Hg→5psi	200mL	1.68		0351	or		MeCl
25	X	24	0802328-01A	~~06A~~	12666	5.5"Hg→5psi	200mL	1.64		0432	or	↓	PCE
26	✓	25	0802283	-04A	35171	6.5"Hg→5psi	~~100 mL~~	~~3.42~~		0510	or		
27	✓	26	↓	05A	34746	6.0"Hg→5psi	~~100 mL~~	~~3.36~~		0711			
28	✓	27	0802328	-01A	12666	5.5"Hg→5psi	~~100 mL~~	~~3.28~~	↓	0749			
29													
30													
31													
32													

2/22/08

Comments:

Laura Dessuy
Signature

2/22/08
Date

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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.01
75	30.0 – 60.0% of mass 95	51.34
95	Base peak, 100.00% relative abundance	100
96	5.0 – 9.0% of mass 95	6.50
173	Less than 2.0% of mass 174	(0.76)[1]
174	Greater than 50.0% of mass 95	76.84
175	5.0 – 9.0% of mass 174	(7.17)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.54)[1]
177	5.0 – 9.0% of mass 176	(6.53)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 2/28/08

BFB Injection Time: 0855

BFB File ID: t022801

Tekmar Purge Flow:

Vacuum: 4.250e-5

IS/S Std.#:	143-398	Exp. Date: 3/28/08
BCM	284561	
1,4-DFB	1165938	
CB-d5	1063313	

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

Verify 176/174 m/z Ratio: 1188562/1231218 x100 = 96.54

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(1171755)}{(1165938)} \times \frac{(25.0)}{(0.96300)}$ = 26.090

File ID:	T022802
Compound:	Tol-d8
Initials:	SJM

Reported Result 26.090

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T022801	BFB Tune Check	1476-274	50 ng	2uL	1.00	2/28/08	0835	SJM	
2	✓	02	CCV-1 (200ppbv)	1576-261	50ppbv	50mL			0949	SJM	2 out
3	✓	03	LCS-1	1576-255					1051	SJM	0 out
4	✓	04	ICAL Level 3	1576-304	2.0ppbv	2.0mL			1303	SJM	t14q206c
5	✓	05	5		50ppbv	50mL			1433	SJM	sp12 & CCV SJM 3/25/08
6	✓	06	7		200ppbv	200mL			1524	SJM	
7		07	Gas Std (100ppmv)	1576-305	250ppbv	5.0mL			1657		
8	✓	08	Lab Blank	33668	Humid	200mL			1735	AG / SJM	
9	X	09	0802506 -01A	1L Bag	SVE Effluent	20 mL	10.0		1818	KP / SJM	RR 2nd run

Laura Greenup
Signature

2/29/08
Date

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/07Feb2008.b/t020703.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 07-FEB-2008 10:41
Operator : sjr Inst ID: msdt.i
Smp Info : 50mL #1576-255
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/07Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 10:17 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane						CAS #: 74-97-5	
13.858	13.858 (1.000)	130	364188	25.0000		80.00- 120.00	100.00
13.858	13.858 (1.000)	128	282636			26.53- 126.53	77.61
13.858	13.858 (1.000)	49	642409			128.17- 228.17	176.39
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
15.627	15.628 (1.000)	114	1439060	25.0000		80.00- 120.00	100.00
15.627	15.628 (1.000)	88	235739			0.00- 66.52	16.38
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
20.798	20.798 (1.000)	117	1292442	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	752973			6.72- 106.72	58.26
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
14.936	14.937 (1.078)	65	592767	25.2952	25.295	80.00- 120.00	100.00
14.936	14.937 (1.078)	67	339519			3.57- 103.57	57.28
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.199	18.199 (1.165)	98	1388717	25.0524	25.052	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	157888			0.00- 61.29	11.37

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	938828			18.71- 118.71	67.60
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	875940	26.2019	26.202	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	1106906			72.28- 172.28	126.37
22.789	22.789 (1.096)	176	852956			45.76- 145.76	97.38
11 Propylene					CAS #: 115-07-1		
5.812	5.785 (0.419)	41	613591	51.5112	51.511	80.00- 120.00	100.00
5.812	5.785 (0.419)	42	426221			17.96- 117.96	69.46
5.812	5.785 (0.419)	39	492845			33.44- 133.44	80.32
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.895 (0.427)	85	3630724	51.0550	51.055	80.00- 120.00	100.00
5.923	5.895 (0.427)	87	1142768			0.00- 82.13	31.47
16 Freon 114					CAS #: 76-14-2		
6.310	6.282 (0.455)	135	2403733	51.1334	51.133	80.00- 120.00	100.00
6.310	6.282 (0.455)	137	762741			0.00- 81.89	31.73
18 Chloromethane					CAS #: 74-87-3		
6.558	6.531 (0.473)	50	747784	48.1651	48.165	80.00- 120.00	100.00
6.558	6.531 (0.473)	52	249680			0.00- 83.62	33.39
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.863 (0.497)	62	1087955	51.0401	51.040	80.00- 120.00	100.00
6.890	6.863 (0.497)	64	353730			0.00- 89.61	32.51
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.946 (0.503)	54	820317	51.1387	51.139	80.00- 120.00	100.00
6.973	6.946 (0.503)	39	782893			53.33- 153.33	95.44
25 Bromomethane					CAS #: 74-83-9		
7.913	7.886 (0.571)	94	1069630	50.6811	50.681	80.00- 120.00	100.00
7.913	7.886 (0.571)	96	989108			42.77- 142.77	92.47
27 Chloroethane					CAS #: 75-00-3		
8.190	8.162 (0.591)	64	588665	52.9526	52.952	80.00- 120.00	100.00
8.190	8.162 (0.591)	49	150442			0.00- 76.71	25.56
8.190	8.162 (0.591)	66	190911			0.00- 83.02	32.43
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.771 (0.635)	101	4126874	51.2618	51.262	80.00- 120.00	100.00
8.798	8.771 (0.635)	103	2651802			14.63- 114.63	64.26

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.240	9.213 (0.667)	45	334932	54.3761	54.376	80.00- 120.00	100.00
9.240	9.213 (0.667)	43	78044			0.00- 75.24	23.30
9.240	9.213 (0.667)	46	130611			0.00- 89.78	39.00
42 Freon 113					CAS #: 76-13-1		
9.959	9.932 (0.719)	151	2155060	58.1347	58.135	80.00- 120.00	100.00
9.959	9.932 (0.719)	153	1372575			14.76- 114.76	63.69
9.959	9.932 (0.719)	101	2781208			80.58- 180.58	129.05
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.015 (0.725)	61	1971376	59.0809	59.081	80.00- 120.00	100.00
10.042	10.043 (0.725)	96	1202804			10.93- 110.93	61.01
10.042	10.043 (0.725)	98	780821			0.00- 89.40	39.61
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	560983	54.2480	54.248	80.00- 120.00	100.00
10.181	10.181 (0.735)	43	1718440			267.82- 367.82	306.33
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	1942177	54.8034	54.803	80.00- 120.00	100.00
10.374	10.374 (0.749)	43	475790			0.00- 76.64	24.50
10.374	10.374 (0.749)	59	81347			0.00- 54.31	4.19
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	3305899	52.3795	52.380	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.816	10.817 (0.781)	76	597711	54.9965	54.996	80.00- 120.00	100.00
10.816	10.817 (0.781)	41	1275321			173.84- 273.84	213.37
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	1145006	54.2668	54.267	80.00- 120.00	100.00
11.121	11.093 (0.802)	84	1034033			40.82- 140.82	90.31
11.093	11.093 (0.800)	51	377986			0.00- 83.83	33.01
60 MTBE					CAS #: 1634-04-4		
11.452	11.453 (0.826)	73	3774615	62.3150	62.315	80.00- 120.00	100.00
11.452	11.453 (0.826)	57	719078			0.00- 69.06	19.05
11.452	11.453 (0.826)	41	687732			0.00- 70.47	18.22
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.536 (0.834)	96	1387532	55.9548	55.955	80.00- 120.00	100.00
11.535	11.536 (0.832)	61	1901887			88.49- 188.49	137.07
11.563	11.536 (0.834)	98	891584			16.26- 116.26	64.26

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	1891161	57.7934	57.793	80.00- 120.00	100.00
11.895	11.895 (0.858)	43	1080305			9.30- 109.30	57.12
11.895	11.895 (0.858)	86	341505			0.00- 66.83	18.06
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.892)	86	348239	54.2809	54.281	80.00- 120.00	100.00
12.365	12.337 (0.892)	43	3106079			832.23- 932.23	891.94
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	2630332	57.4518	57.452	80.00- 120.00	100.00
12.365	12.365 (0.892)	65	853608			0.00- 82.30	32.45
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	646558	55.5063	55.506	80.00- 120.00	100.00
13.388	13.388 (0.966)	43	2171765			282.56- 382.56	335.90
13.388	13.388 (0.966)	57	194672			0.00- 79.56	30.11
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	1740573	56.5020	56.502	80.00- 120.00	100.00
13.416	13.416 (0.968)	96	1385696			31.20- 131.20	79.61
13.416	13.416 (0.968)	98	895062			1.78- 101.78	51.42
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	1101132	56.0458	56.046	80.00- 120.00	100.00
13.858	13.858 (1.000)	71	583896			2.70- 102.70	53.03
13.858	13.858 (1.000)	72	619526			2.04- 102.04	56.26
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	3047174	57.6082	57.608	80.00- 120.00	100.00
13.941	13.941 (1.006)	85	2012329			15.21- 115.21	66.04
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	3228969	55.1909	55.191	80.00- 120.00	100.00
14.273	14.273 (1.030)	99	2060721			14.57- 114.57	63.82
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.301 (1.032)	84	1772344	56.5763	56.576	80.00- 120.00	100.00
14.300	14.301 (1.032)	56	1739685			49.56- 149.56	98.16
14.300	14.301 (1.032)	41	902671			1.20- 101.20	50.93
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.522 (1.050)	119	2960464	52.6774	52.677	80.00- 120.00	100.00
14.549	14.522 (1.050)	117	3142043			57.09- 157.09	106.13
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	4200762	54.9970	54.997	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)							
14.881	14.881 (1.074)	56	1354857			0.00- 82.82	32.25
14.881	14.881 (1.074)	41	1075995			0.00- 78.43	25.61
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	3843383	53.4243	53.424	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	887809			0.00- 73.50	23.10
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	1887283	53.7716	53.772	80.00- 120.00	100.00
15.075	15.075 (0.965)	64	614030			0.00- 84.23	32.54
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1130162	55.4972	55.497	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1515301			85.70- 185.70	134.08
15.185	15.185 (0.972)	57	927126			28.72- 128.72	82.03
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	1648538	53.5021	53.502	80.00- 120.00	100.00
16.098	16.070 (1.030)	130	1512857			41.36- 141.36	91.77
16.070	16.070 (1.028)	97	1054939			13.70- 113.70	63.99
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1289567	53.1277	53.128	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	932367			22.07- 122.07	72.30
16.568	16.568 (1.060)	41	714853			6.80- 106.80	55.43
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	909360	51.1825	51.182	80.00- 120.00	100.00
16.678	16.678 (1.067)	58	520290			7.38- 107.38	57.21
16.678	16.678 (1.067)	57	184864			0.00- 71.19	20.33
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.983 (1.087)	83	2955752	53.6010	53.601	80.00- 120.00	100.00
16.982	16.983 (1.087)	85	1906864			14.75- 114.75	64.51
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	2055925	55.5852	55.585	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	662734			0.00- 81.51	32.24
17.784	17.784 (1.138)	39	920517			0.00- 94.39	44.77
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.950	17.950 (1.149)	58	970511	57.7496	57.750	80.00- 120.00	100.00
17.950	17.950 (1.149)	43	2207573			175.34- 275.34	227.47
17.978	17.978 (1.150)	85	478187			0.64- 100.64	49.27

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	4390035	57.2296	57.230	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2652998			10.63- 110.63	60.43
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	2209362	54.0869	54.087	80.00- 120.00	100.00
18.752	18.752 (0.902)	77	716340			0.00- 81.36	32.42
18.752	18.752 (0.902)	39	915171			0.00- 91.03	41.42
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.112 (0.919)	97	1580720	53.6925	53.692	80.00- 120.00	100.00
19.111	19.112 (0.919)	99	997611			14.06- 114.06	63.11
19.111	19.112 (0.919)	83	1366879			35.72- 135.72	86.47
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	2122005	53.7905	53.790	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1462582			18.51- 118.51	68.92
19.277	19.277 (0.927)	131	1396687			15.23- 115.23	65.82
121 2-Hexanone					CAS #: 591-78-6		
19.415	19.416 (0.934)	58	1306064	52.9797	52.980	80.00- 120.00	100.00
19.415	19.416 (0.934)	43	2176893			117.36- 217.36	166.68
19.415	19.416 (0.934)	100	281719			0.00- 71.71	21.57
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2715281	54.1671	54.167	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	2100341			28.82- 128.82	77.35
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.052 (0.964)	107	2456852	52.4651	52.465	80.00- 120.00	100.00
20.051	20.052 (0.964)	109	2268304			42.74- 142.74	92.33
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	3552960	52.2765	52.276	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	1108333			0.00- 81.00	31.19
20.853	20.853 (1.003)	77	2210378			12.54- 112.54	62.21
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1878900	53.3558	53.356	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	6014846			269.96- 369.96	320.13
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	2414838	54.4582	54.458	80.00- 120.00	100.00
21.130	21.130 (1.016)	91	4845879			149.87- 249.87	200.67
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	2323688	55.0883	55.088	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	4908221			163.91- 263.91	211.23
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	3755676	58.1165	58.116	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1922908			0.81- 100.81	51.20
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2946351	54.7578	54.758	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1505628			1.45- 101.45	51.10
134 Cumene					CAS #: 98-82-8		
22.429	22.430 (1.078)	105	6696362	57.5511	57.551	80.00- 120.00	100.00
22.429	22.430 (1.078)	120	1712846			0.00- 77.62	25.58
22.402	22.402 (1.077)	51	569801			0.00- 58.75	8.51
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	3679813	54.3852	54.385	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	2370044			14.60- 114.60	64.41
142 Propylbenzene					CAS #: 103-65-1		
23.093	23.093 (1.110)	91	8483170	56.2420	56.242	80.00- 120.00	100.00
23.120	23.121 (1.112)	120	1809726			0.00- 71.63	21.33
23.120	23.121 (1.112)	105	307547			0.00- 53.71	3.63
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.287 (1.120)	105	7219729	56.2284	56.228	80.00- 120.00	100.00
23.286	23.287 (1.120)	120	2130209			0.00- 79.51	29.51
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	5917601	54.0267	54.027	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	2884828			0.00- 98.23	48.75
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	5720909	55.4287	55.429	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	2603971			0.00- 94.91	45.52
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3870355	52.1728	52.173	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	2460421			14.68- 114.68	63.57
24.586	24.586 (1.182)	111	1598480			0.00- 91.36	41.30
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	3937785	51.5866	51.586	80.00- 120.00	100.00
24.724	24.724 (1.189)	148	2521733			16.09- 116.09	64.04
24.724	24.724 (1.189)	111	1553706			0.00- 90.13	39.46

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.946 (1.199)	91	6230172	56.4503	56.450	80.00- 120.00	100.00
24.945	24.946 (1.199)	126	1164614			0.00- 69.28	18.69
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	3752105	51.9217	51.922	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	2421672			14.02- 114.02	64.54
25.360	25.360 (1.219)	111	1612191			0.00- 92.17	42.97
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2788156	50.5867	50.587	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	2645129			44.12- 144.12	94.87
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	2570482	46.3399	46.340	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	1603808			12.90- 112.90	62.39
29 Isopentane					CAS #: 78-78-4		
8.273	8.245 (0.597)	43	1190271	50.5525	50.552	80.00- 120.00	100.00
8.273	8.245 (0.597)	57	941476			27.67- 127.67	79.10
19 Butane					CAS #: 106-97-8		
6.807	6.780 (0.491)	58	209961	51.5020	51.502	80.00- 120.00	100.00
6.807	6.780 (0.491)	43	1472102			666.74- 766.74	701.13
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.347 (1.180)	83	2075922	55.9685	55.968	80.00- 120.00	100.00
16.346	16.347 (1.180)	98	946654			0.00- 95.22	45.60
16.346	16.347 (1.180)	55	1458457			20.82- 120.82	70.26
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	4181723	54.8172	54.817	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	514318			0.00- 62.74	12.30

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020703.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/07Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 07-FEB-2008
Calibration Time: 09:41
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	357541	214525	500557	364188	1.86
97 1,4-Difluorobenze	1413414	848048	1978780	1439060	1.81
126 Chlorobenzene-d5	1290063	774038	1806088	1292442	0.18

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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

Report Date: 07-Feb-2008 11:09

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 07Feb2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: sjr
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/07Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 50ppbv

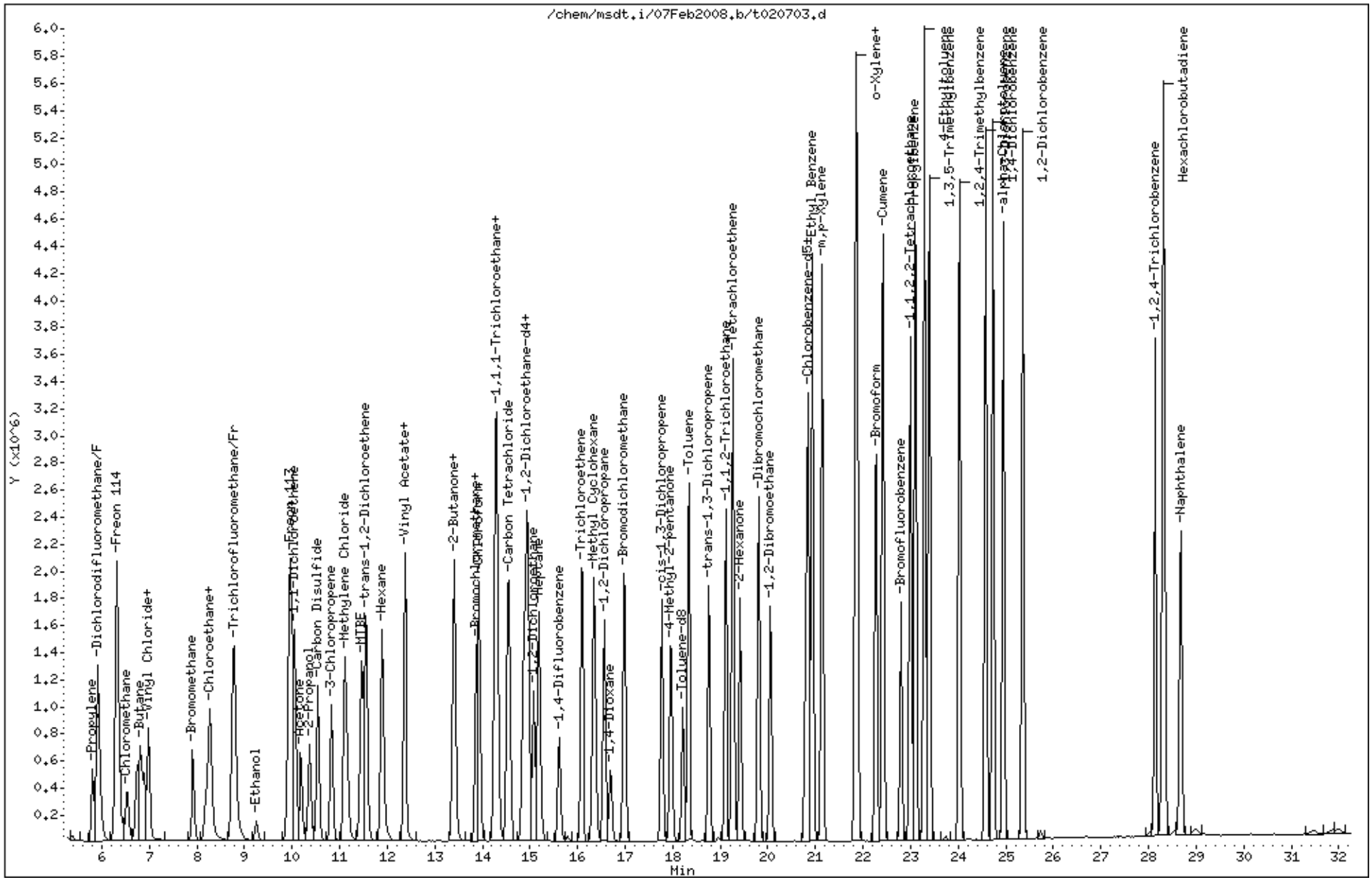
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	51.055	102.11	70-130
16 Freon 114	50.000	51.133	102.27	70-130
18 Chloromethane	50.000	48.165	96.33	70-130
20 Vinyl Chloride	50.000	51.040	102.08	70-130
22 1,3-Butadiene	50.000	51.139	102.28	60-140
25 Bromomethane	50.000	50.681	101.36	70-130
27 Chloroethane	50.000	52.952	105.91	70-130
31 Trichlorofluoromet	50.000	51.262	102.52	70-130
38 Ethanol	50.000	54.376	108.75	60-140
42 Freon 113	50.000	58.135	116.27	70-130
43 1,1-Dichloroethene	50.000	59.081	118.16	70-130
45 Acetone	50.000	54.248	108.50	60-140
47 Carbon Disulfide	50.000	52.380	104.76	60-140
46 2-Propanol	50.000	54.803	109.61	60-140
54 Methylene Chloride	50.000	54.267	108.53	70-130
60 MTBE	50.000	62.315	124.63	60-140
61 trans-1,2-Dichloro	50.000	55.955	111.91	60-140
65 Hexane	50.000	57.793	115.59	60-140
69 Vinyl Acetate	50.000	54.281	108.56	60-140
70 1,1-Dichloroethane	50.000	57.452	114.90	70-130
76 cis-1,2-Dichloroet	50.000	56.502	113.00	70-130
75 2-Butanone	50.000	55.506	111.01	60-140
80 Tetrahydrofuran	50.000	56.046	112.09	60-140
82 Chloroform	50.000	57.608	115.22	70-130
85 Cyclohexane	50.000	56.576	113.15	60-140
83 1,1,1-Trichloroeth	50.000	55.191	110.38	70-130
87 Carbon Tetrachlori	50.000	52.677	105.35	70-130
91 Benzene	50.000	53.424	106.85	70-130
93 1,2-Dichloroethane	50.000	53.772	107.54	70-130
94 Heptane	50.000	55.497	110.99	60-140
101 Trichloroethene	50.000	53.502	107.00	70-130
104 1,2-Dichloropropan	50.000	53.128	106.26	70-130
106 1,4-Dioxane	50.000	51.182	102.37	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
107 Bromodichlorometha	50.000	53.601	107.20	60-140
110 cis-1,3-Dichloropr	50.000	55.585	111.17	70-130
111 4-Methyl-2-pentano	50.000	57.750	115.50	60-140
114 Toluene	50.000	57.230	114.46	70-130
116 trans-1,3-Dichloro	50.000	54.087	108.17	70-130
117 1,1,2-Trichloroeth	50.000	53.692	107.39	70-130
120 Tetrachloroethene	50.000	53.790	107.58	70-130
121 2-Hexanone	50.000	52.980	105.96	60-140
122 Dibromochlorometha	50.000	54.167	108.33	60-140
123 1,2-Dibromoethane	50.000	52.465	104.93	70-130
127 Chlorobenzene	50.000	52.276	104.55	70-130
128 Ethyl Benzene	50.000	53.356	106.71	70-130
129 m,p-Xylene	50.000	54.458	108.92	70-130
130 o-Xylene	50.000	55.088	110.18	70-130
131 Styrene	50.000	58.116	116.23	70-130
133 Bromoform	50.000	54.758	109.52	60-140
140 1,1,2,2-Tetrachlor	50.000	54.385	108.77	70-130
145 4-Ethyltoluene	50.000	56.228	112.46	60-140
147 1,3,5-Trimethylben	50.000	54.027	108.05	70-130
150 1,2,4-Trimethylben	50.000	55.429	110.86	70-130
155 1,3-Dichlorobenzen	50.000	52.173	104.35	70-130
156 1,4-Dichlorobenzen	50.000	51.586	103.17	70-130
159 alpha-Chlorotoluen	50.000	56.450	112.90	70-130
161 1,2-Dichlorobenzen	50.000	51.922	103.84	70-130
165 1,2,4-Trichloroben	50.000	50.587	101.17	70-130
166 Hexachlorobutadien	50.000	46.340	92.68	70-130
142 Propylbenzene	50.000	56.242	112.48	60-140
134 Cumene	50.000	57.551	115.10	60-140
51 3-Chloropropene	50.000	54.996	109.99	60-140
89 2,2,4-Trimethylpen	50.000	54.997	109.99	60-140
19 Butane	50.000	51.502	103.00	70-130
29 Isopentane	50.000	50.552	101.10	70-130
102 Methyl Cyclohexane	50.000	55.968	111.94	70-130
11 Propylene	50.000	51.511	103.02	60-140
167 Naphthalene	50.000	54.817	109.63	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.295	101.18	70-130
$ 113 Toluene-d8	25.000	25.052	100.21	70-130
$ 137 Bromofluorobenzene	25.000	26.202	104.81	70-130

Data File: /chem/msdt.i/07Feb2008.b/t020703.d
Date : 07-FEB-2008 10:41
Client ID: LCS-1
Sample Info: 50mL #1576-255

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



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020607.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 06-FEB-2008 14:27
Operator : sjr Inst ID: msdt.i
Smp Info : 0.2ml #1576-261
Misc Info : 200ppbv -> 0.2ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 14:27 Cal File: t020607.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		
13.858	13.858 (1.000)	130	332370	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	254115			26.39- 126.39	76.46
13.858	13.858 (1.000)	49	379355			99.95- 199.95	114.14
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1144843	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	188070			0.00- 66.12	16.43
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1006037	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	576806			6.72- 106.72	57.33
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.937 (1.078)	65	505401	25.0000	23.632	50.00- 150.00	100.00
14.937	14.937 (1.078)	67	247783			3.57- 103.57	49.03
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1079766	25.0000	24.485	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	125347			0.00- 61.29	11.61

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	742258			18.71- 118.71	68.74
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	656799	25.0000	25.240	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	812697			75.58- 175.58	123.74
22.789	22.789 (1.096)	176	634912			47.41- 147.41	96.67
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	7657	0.20000	0.1586	50.00- 150.00	100.00(a)
13.941	13.941 (1.006)	85	5855			16.43- 116.43	76.47
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	11959	0.20000	0.2090	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	2943			0.00- 73.50	24.61
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	8316	0.20000	0.1653	50.00- 150.00	100.00(a)
21.877	21.877 (1.052)	78	6770			9.02- 109.02	81.41
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	16604	0.20000	0.1833	50.00- 150.00	100.00(a)
22.430	22.430 (1.078)	120	5207			0.00- 77.62	31.36
22.430	22.430 (1.078)	51	1333			0.00- 58.75	8.03
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	6775	0.20000	0.1859	50.00- 150.00	100.00(a)
20.052	20.052 (0.964)	109	7462			46.68- 146.68	110.14

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020607.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 0.2ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 14:27
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	332370	199422	465318	332370	0.00
97 1,4-Difluorobenze	1144843	686906	1602780	1144843	0.00
126 Chlorobenzene-d5	1006037	603622	1408452	1006037	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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/06Feb2008.b/t020607.d

Date : 06-FEB-2008 14:27

Client ID: Level 1

Sample Info: 0.2ml #1576-261

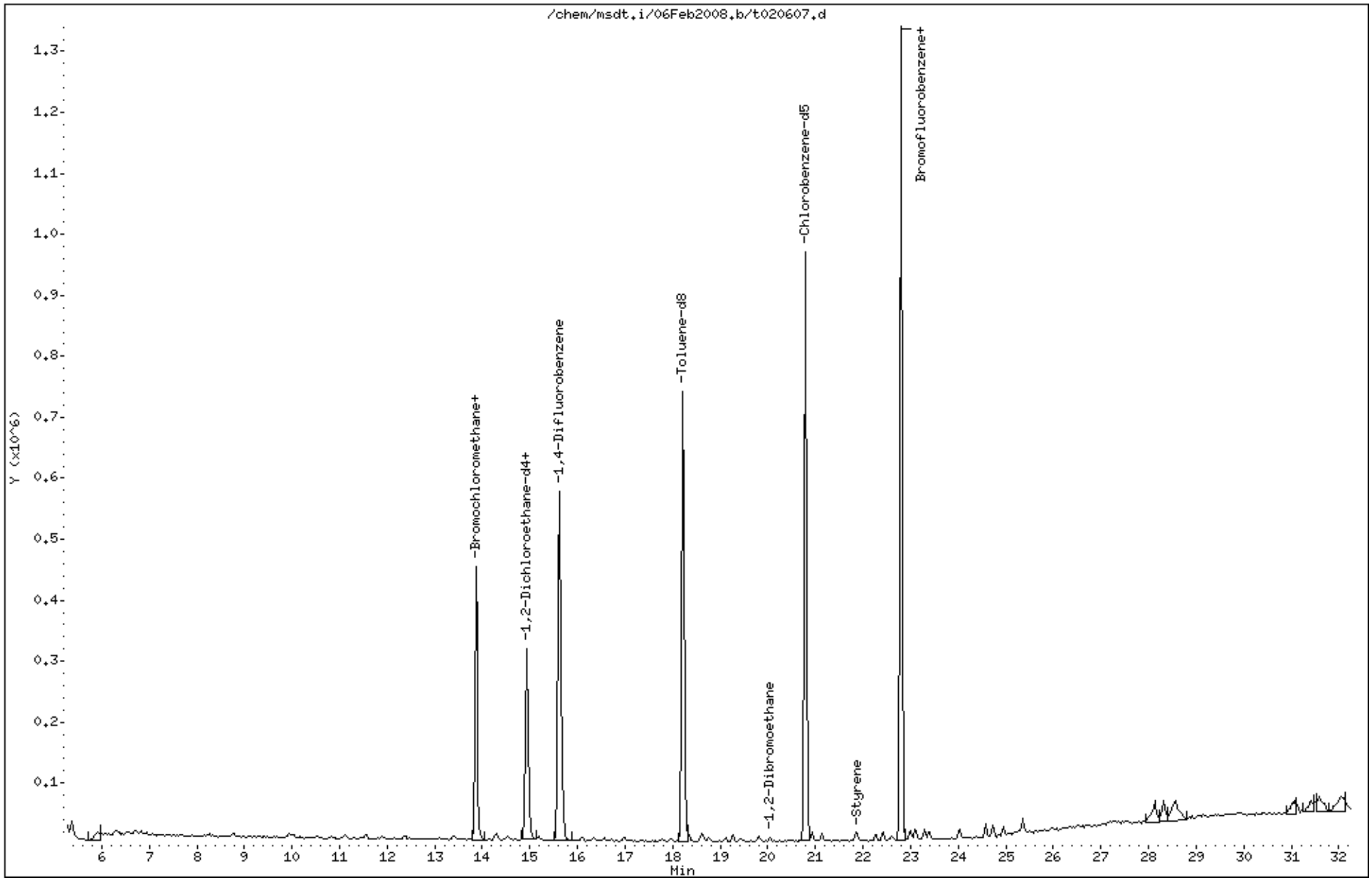
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0078



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020615.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 06-FEB-2008 22:02
Operator : srs Inst ID: msdt.i
Smp Info : 0.5mL #1576-261
Misc Info : 200ppbv -> 0.5ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:40 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 22:02 Cal File: t020615.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		
13.886	13.886 (1.000)	130	359684	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	275976			26.39- 126.39	76.73
13.858	13.858 (1.000)	49	409784			99.95- 199.95	113.93
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1311527	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	209950			0.00- 66.12	16.01
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1165188	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	664676			6.72- 106.72	57.04
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	550238	25.0000	23.774	50.00- 150.00	100.00
14.936	14.936 (1.076)	67	270699			3.57- 103.57	49.20
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1259013	25.0000	24.921	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	132880			0.00- 61.29	10.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	855222			18.71- 118.71	67.93
$ 137 Bromofluorobenzene						CAS #: 460-00-4	
22.789	22.789 (1.096)	174	754728	25.0000	25.042	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	954528			75.58- 175.58	126.47
22.789	22.789 (1.096)	176	726618			47.41- 147.41	96.28
12 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
5.923	5.923 (0.427)	85	29948	0.50000	0.4264	50.00- 150.00	100.00(a)
5.923	5.923 (0.427)	87	9731			0.00- 82.13	32.49
16 Freon 114						CAS #: 76-14-2	
6.337	6.337 (0.456)	135	21512	0.50000	0.4633	50.00- 150.00	100.00(a)
6.310	6.310 (0.454)	137	6108			0.00- 81.89	28.39
20 Vinyl Chloride						CAS #: 75-01-4	
6.890	6.890 (0.496)	62	10277	0.50000	0.4882	50.00- 150.00	100.00(a)
6.890	6.890 (0.496)	64	5846			0.00- 89.61	56.88
22 1,3-Butadiene						CAS #: 106-99-0	
6.973	6.973 (0.502)	54	6982	0.50000	0.4407	50.00- 150.00	100.00(a)
6.973	6.973 (0.502)	39	9131			53.33- 153.33	130.78
25 Bromomethane						CAS #: 74-83-9	
7.941	7.941 (0.572)	94	9814	0.50000	0.4708	50.00- 150.00	100.00(a)
7.941	7.941 (0.572)	96	8139			43.69- 143.69	82.93
27 Chloroethane						CAS #: 75-00-3	
8.190	8.190 (0.590)	64	4699	0.50000	0.4280	50.00- 150.00	100.00(a)
8.190	8.190 (0.590)	49	1473			0.00- 76.71	31.35
8.190	8.190 (0.590)	66	1459			0.00- 83.02	31.05
31 Trichlorofluoromethane/Fr11						CAS #: 75-69-4	
8.771	8.771 (0.632)	101	34751	0.50000	0.4371	50.00- 150.00	100.00(a)
8.771	8.771 (0.632)	103	20296			13.52- 113.52	58.40
42 Freon 113						CAS #: 76-13-1	
9.960	9.960 (0.717)	151	16714	0.50000	0.4565	50.00- 150.00	100.00(a)
9.932	9.932 (0.715)	153	11029			14.28- 114.28	65.99
9.960	9.960 (0.717)	101	20956			80.55- 180.55	125.38
43 1,1-Dichloroethene						CAS #: 75-35-4	
10.042	10.042 (0.723)	61	13655	0.50000	0.4144	50.00- 150.00	100.00(a)
10.042	10.042 (0.723)	96	9202			13.15- 113.15	67.39
10.042	10.042 (0.723)	98	4439			0.00- 88.14	32.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide						CAS #: 75-15-0	
10.540	10.540 (0.759)	76	27016	0.50000	0.4334	50.00- 150.00	100.00(a)
54 Methylene Chloride						CAS #: 75-09-2	
11.121	11.121 (0.801)	49	10254	0.50000	0.4921	50.00- 150.00	100.00(a)
11.121	11.121 (0.801)	84	8021			36.08- 136.08	78.22
11.093	11.093 (0.799)	51	3950			0.00- 83.83	38.52
60 MTBE						CAS #: 1634-04-4	
11.480	11.480 (0.827)	73	12565	0.50000	0.2100	50.00- 150.00	100.00(a)
11.425	11.425 (0.823)	57	2521			0.00- 69.02	20.06
11.480	11.480 (0.827)	41	3603			0.00- 70.47	28.67
61 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.536	11.536 (0.831)	96	9874	0.50000	0.4032	50.00- 150.00	100.00(a)
11.563	11.563 (0.833)	61	14614			95.77- 195.77	148.00
11.563	11.563 (0.833)	98	6468			16.26- 116.26	65.51
65 Hexane						CAS #: 110-54-3	
11.895	11.895 (0.857)	57	9544	0.50000	0.2953	50.00- 150.00	100.00(a)
11.923	11.923 (0.859)	43	6284			9.30- 109.30	65.84
11.923	11.923 (0.859)	86	1121			0.00- 66.83	11.75
70 1,1-Dichloroethane						CAS #: 75-34-3	
12.365	12.365 (0.890)	63	17152	0.50000	0.3793	50.00- 150.00	100.00(a)
12.365	12.365 (0.890)	65	6222			0.00- 82.79	36.28
75 2-Butanone						CAS #: 78-93-3	
13.388	13.388 (0.964)	72	3945	0.50000	0.3429	50.00- 150.00	100.00(a)
13.388	13.388 (0.964)	43	12276			275.22- 375.22	311.18
0.000	1.000 (0.000)	57	0			0.00- 79.56	0.00
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.416	13.416 (0.966)	61	10861	0.50000	0.3570	50.00- 150.00	100.00(a)
13.416	13.416 (0.966)	96	7530			27.39- 127.39	69.33
13.443	13.443 (0.968)	98	5683			0.96- 100.96	52.32
80 Tetrahydrofuran						CAS #: 109-99-9	
13.858	13.858 (0.998)	42	6253	0.50000	0.3222	50.00- 150.00	100.00(a)
13.858	13.858 (0.998)	71	2426			0.00- 99.16	38.80
13.858	13.858 (0.998)	72	2304			2.04- 102.04	36.85
82 Chloroform						CAS #: 67-66-3	
13.941	13.941 (1.004)	83	19693	0.50000	0.3770	50.00- 150.00	100.00(a)
13.941	13.941 (1.004)	85	12570			16.43- 116.43	63.83

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		
14.273	14.273 (1.028)	97	18476	0.50000	0.3198	50.00- 150.00	100.00(a)
14.300	14.300 (1.030)	99	14551			17.45- 117.45	78.76
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	9788	0.50000	0.3164	50.00- 150.00	100.00(a)
14.328	14.328 (1.032)	56	9199			47.55- 147.55	93.98
14.300	14.300 (1.030)	41	6425			5.12- 105.12	65.64
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.522	14.522 (1.046)	119	19411	0.50000	0.3497	50.00- 150.00	100.00(a)
14.549	14.549 (1.048)	117	18547			53.78- 153.78	95.55
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	23133	0.50000	0.3528	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	5786			0.00- 73.50	25.01
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	22814	0.50000	0.3024	50.00- 150.00	100.00(a)
14.881	14.881 (1.072)	56	7722			0.00- 82.82	33.85
14.881	14.881 (1.072)	41	7717			0.00- 78.43	33.83
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	11720	0.50000	0.3664	50.00- 150.00	100.00(a)
15.075	15.075 (0.965)	64	4807			0.00- 84.23	41.02
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	5821	0.50000	0.3136	50.00- 150.00	100.00(a)
15.185	15.185 (0.972)	43	7881			85.70- 185.70	135.39
15.185	15.185 (0.972)	57	4021			28.72- 128.72	69.08
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	9076	0.50000	0.3232	50.00- 150.00	100.00(a)
16.098	16.098 (1.030)	130	8832			42.94- 142.94	97.31
16.098	16.098 (1.030)	97	5670			13.25- 113.25	62.47
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	7759	0.50000	0.3507	50.00- 150.00	100.00(a)
16.568	16.568 (1.060)	62	5454			21.32- 121.32	70.29
16.568	16.568 (1.060)	41	5773			8.96- 108.96	74.40
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	16254	0.50000	0.3234	50.00- 150.00	100.00(a)
16.983	16.983 (1.087)	85	9643			13.51- 113.51	59.33
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	10176	0.50000	0.3019	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)							
17.784	17.784 (1.138)	77	4424			0.00- 84.89	43.47
17.784	17.784 (1.138)	39	5484			0.00- 97.13	53.89
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	3680	0.50000	0.2403	50.00- 150.00	100.00(a)
17.978	17.978 (1.150)	43	7232			175.34- 275.34	196.52
17.950	17.950 (1.149)	85	1899			0.64- 100.64	51.60
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	21271	0.50000	0.3042	50.00- 150.00	100.00(a)
18.337	18.337 (1.173)	92	13947			11.62- 111.62	65.57
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	11178	0.50000	0.3035	50.00- 150.00	100.00(a)
18.780	18.780 (0.903)	77	3382			0.00- 81.86	30.26
18.780	18.780 (0.903)	39	4867			0.00- 91.58	43.54
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	8142	0.50000	0.3068	50.00- 150.00	100.00(a)
19.111	19.111 (0.919)	99	5361			13.21- 113.21	65.84
19.111	19.111 (0.919)	83	7611			35.76- 135.76	93.48
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	11480	0.50000	0.3228	50.00- 150.00	100.00(a)
19.277	19.277 (0.927)	129	7435			19.36- 119.36	64.76
19.277	19.277 (0.927)	131	7336			16.43- 116.43	63.90
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	12573	0.50000	0.2782	50.00- 150.00	100.00(a)
19.803	19.803 (0.952)	127	10083			28.82- 128.82	80.20
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	13043	0.50000	0.3089	50.00- 150.00	100.00(a)
20.079	20.079 (0.965)	109	12513			46.68- 146.68	95.94
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	20858	0.50000	0.3404	50.00- 150.00	100.00(a)
20.853	20.853 (1.003)	114	7591			0.00- 82.06	36.39
20.853	20.853 (1.003)	77	22391			22.53- 122.53	107.35
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	9559	0.50000	0.3011	50.00- 150.00	100.00(a)
20.936	20.936 (1.007)	91	30384			269.96- 369.96	317.86
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	10501	0.50000	0.2627	50.00- 150.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene (continued)							
21.130	21.130 (1.016)	91	21263			149.87- 249.87	202.49
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	10265	0.50000	0.2699	50.00- 150.00	100.00(a)
21.849	21.849 (1.051)	91	22643			160.81- 260.81	220.58
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	13827	0.50000	0.2373	50.00- 150.00	100.00(a)
21.876	21.876 (1.052)	78	8943			9.02- 109.02	64.68
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	12913	0.50000	0.2662	50.00- 150.00	100.00(a)
22.291	22.291 (1.072)	171	6556			1.83- 101.83	50.77
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	28340	0.50000	0.2702	50.00- 150.00	100.00(a)
22.429	22.429 (1.078)	120	8960			0.00- 77.62	31.62
22.402	22.402 (1.077)	51	3140			0.00- 58.75	11.08
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	15471	0.50000	0.2536	50.00- 150.00	100.00(a)
23.010	23.010 (1.106)	85	11730			16.89- 116.89	75.82
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	38515	0.50000	0.2832	50.00- 150.00	100.00(a)
23.121	23.121 (1.112)	120	8217			0.00- 71.63	21.33
23.121	23.121 (1.112)	105	1592			0.00- 53.71	4.13
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	28042	0.50000	0.2422	50.00- 150.00	100.00(a)
23.287	23.287 (1.120)	120	8426			0.00- 79.69	30.05
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	25414	0.50000	0.2574	50.00- 150.00	100.00(a)
23.397	23.397 (1.125)	120	11861			0.00- 98.23	46.67
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	21767	0.50000	0.2339	50.00- 150.00	100.00(a)
24.033	24.033 (1.156)	120	9142			0.00- 94.91	42.00
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	19331	0.50000	0.2890	50.00- 150.00	100.00(a)
24.586	24.586 (1.182)	148	12995			14.68- 114.68	67.22
24.586	24.586 (1.182)	111	8206			0.00- 91.36	42.45

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		
24.724	24.724 (1.189)	146	20052	0.50000	0.2914	50.00- 150.00	100.00(a)
24.724	24.724 (1.189)	148	14332			16.09- 116.09	71.47
24.724	24.724 (1.189)	111	8007			0.00- 90.13	39.93
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	23853	0.50000	0.2397	50.00- 150.00	100.00(a)
24.946	24.946 (1.199)	126	4759			0.00- 69.28	19.95
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	18613	0.50000	0.2857	50.00- 150.00	100.00(a)
25.360	25.360 (1.219)	148	12636			15.85- 115.85	67.89
25.360	25.360 (1.219)	111	8799			0.00- 94.46	47.27
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	11034	0.50000	0.3012	50.00- 150.00	100.00(a)
16.347	16.347 (1.177)	98	5077			0.00- 95.22	46.01
16.347	16.347 (1.177)	55	8471			20.82- 120.82	76.77

QC Flag Legend

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

Report Date: 07-Feb-2008 08:40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020615.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 0.5ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 17:13
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	355997	213598	498396	359684	1.04
97 1,4-Difluorobenze	1372567	823540	1921594	1311527	-4.45
126 Chlorobenzene-d5	1227265	736359	1718171	1165188	-5.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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/06Feb2008.b/t020615.d

Date : 06-FEB-2008 22:02

Client ID: Level 2

Sample Info: 0.5mL #1576-261

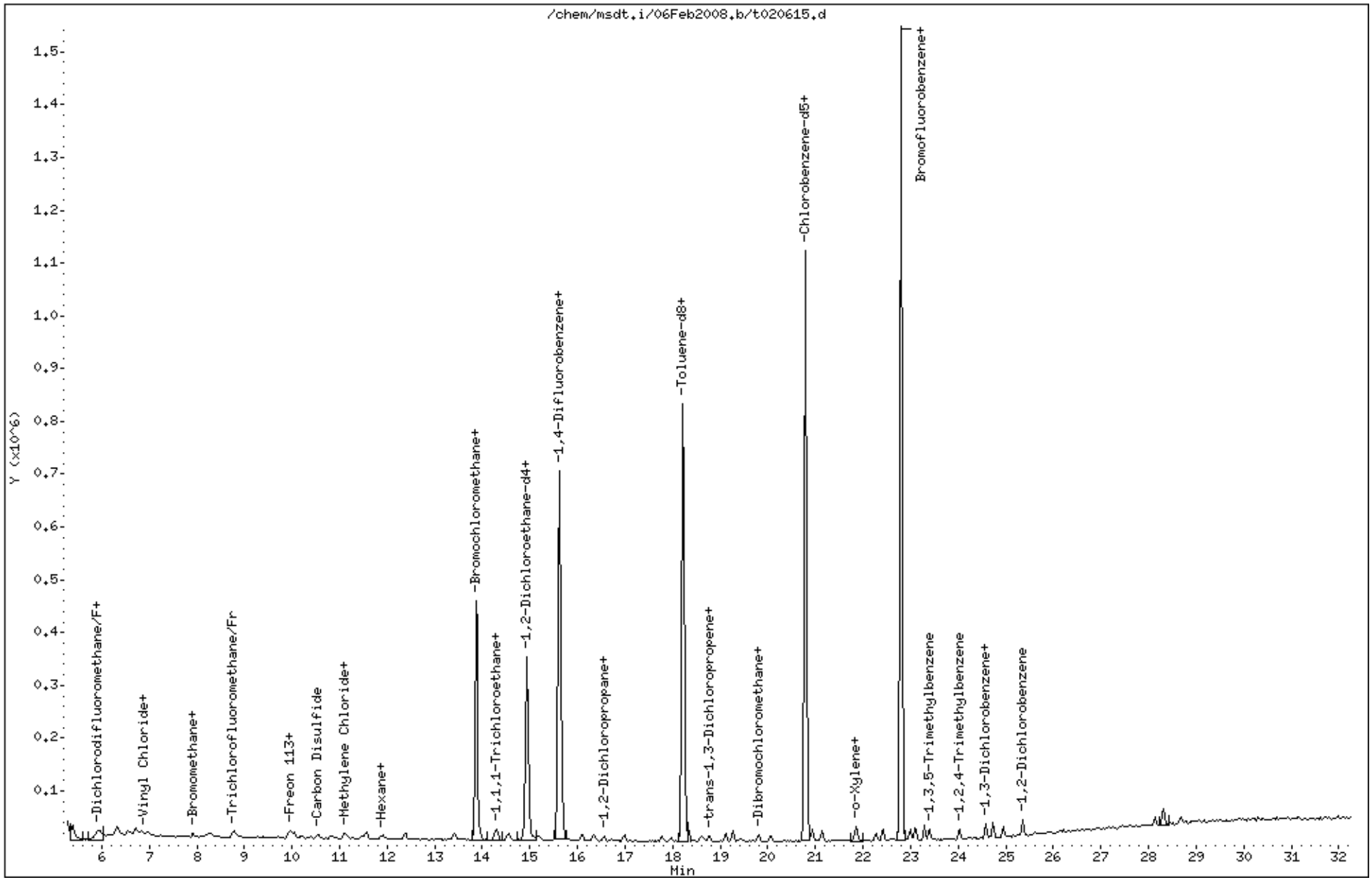
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0087



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Feb2008.b/t022804.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 28-FEB-2008 13:03
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1576-304
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/28Feb2008.b/t14q206c.m
Meth Date : 28-Feb-2008 16:07 sruth Quant Type: ISTD
Cal Date : 28-FEB-2008 13:03 Cal File: t022804.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp12c.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		
13.858	13.858 (1.000)	130	318819	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	242149			26.19- 126.19	75.95
13.858	13.858 (1.000)	49	375161			67.56- 167.56	117.67
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1180952	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	194801			0.00- 66.34	16.50
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1099034	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	646231			7.65- 107.65	58.80
21 Isobutane					CAS #: 75-28-5		
6.365	6.365 (0.459)	43	57022	2.00000	2.232	50.00- 150.00	100.00
6.365	6.365 (0.459)	42	22750			0.00- 86.63	39.90
6.365	6.365 (0.459)	58	1705			0.00- 52.93	2.99
35 1-Pentene					CAS #: 109-67-1		
8.798	8.798 (0.635)	55	45477	2.00000	2.489	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 1-Pentene (continued)							
8.798	8.798 (0.635)	42	46463			56.59- 156.59	102.17
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.877	9.877 (0.713)	55	16405	2.00000	2.817	50.00- 150.00	100.00
9.904	9.904 (0.715)	56	23892			92.43- 192.43	145.64
48 Ethyl acrylate					CAS #: 140-88-5		
16.153	16.153 (1.034)	99	5205	2.00000	1.882	50.00- 150.00	100.00(a)
16.153	16.153 (1.034)	45	6265			60.54- 160.54	120.37
16.153	16.153 (1.034)	55	73255			1235.80-1335.80	1407.40
49 Iodomethane					CAS #: 74-88-4		
10.430	10.430 (0.753)	142	107449	2.00000	2.412	50.00- 150.00	100.00
10.430	10.430 (0.753)	127	48290			0.00- 95.19	44.94
50 Methyl Methacrylate					CAS #: 80-62-6		
16.568	16.568 (1.060)	41	43062	2.00000	2.158	50.00- 150.00	100.00
16.568	16.568 (1.060)	69	42574			45.56- 145.56	98.87
16.568	16.568 (1.060)	100	12872			0.00- 82.77	29.89
52 Acetonitrile					CAS #: 75-05-8		
10.900	10.900 (0.786)	40	18335	2.00000	2.595	50.00- 150.00	100.00
10.900	10.900 (0.786)	41	37294			146.13- 246.13	203.40
10.900	10.900 (0.786)	38	5663			0.00- 78.90	30.89
56 Cyclopentane					CAS #: 287-92-3		
11.093	11.093 (0.800)	70	30457	2.00000	2.483	50.00- 150.00	100.00
11.093	11.093 (0.800)	55	34075			66.73- 166.73	111.88
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
62 Acrylonitrile					CAS #: 107-13-1		
11.646	11.646 (0.840)	53	35031	2.00000	2.636	50.00- 150.00	100.00
11.646	11.646 (0.840)	52	32796			38.74- 138.74	93.62
63 2-Pentanone					CAS #: 107-87-9		
16.374	16.374 (1.048)	43	79142	2.00000	2.159	50.00- 150.00	100.00
16.374	16.374 (1.048)	58	6956			0.00- 58.83	8.79
16.374	16.374 (1.048)	86	17107			0.00- 71.75	21.62
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.850)	55	26188	2.00000	2.211	50.00- 150.00	100.00
11.784	11.784 (0.850)	41	40494			98.04- 198.04	154.63
11.784	11.784 (0.850)	84	12188			0.00- 96.48	46.54

				AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE				
105 Dibromomethane					CAS #: 74-95-3		
16.789	16.789 (1.074)	174	50209	2.00000	2.376	50.00- 150.00	100.00
16.789	16.789 (1.074)	93	53141			55.32- 155.32	105.84
16.789	16.789 (1.074)	95	41926			35.19- 135.19	83.50

QC Flag Legend

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

Report Date: 28-Feb-2008 16:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022804.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/28Feb2008.b/t14q206c.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 28-FEB-2008
Calibration Time: 14:33
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	284844	170906	398782	318819	11.93
97 1,4-Difluorobenze	1138044	682826	1593262	1180952	3.77
126 Chlorobenzene-d5	1084863	650918	1518808	1099034	1.31

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.86	-0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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.

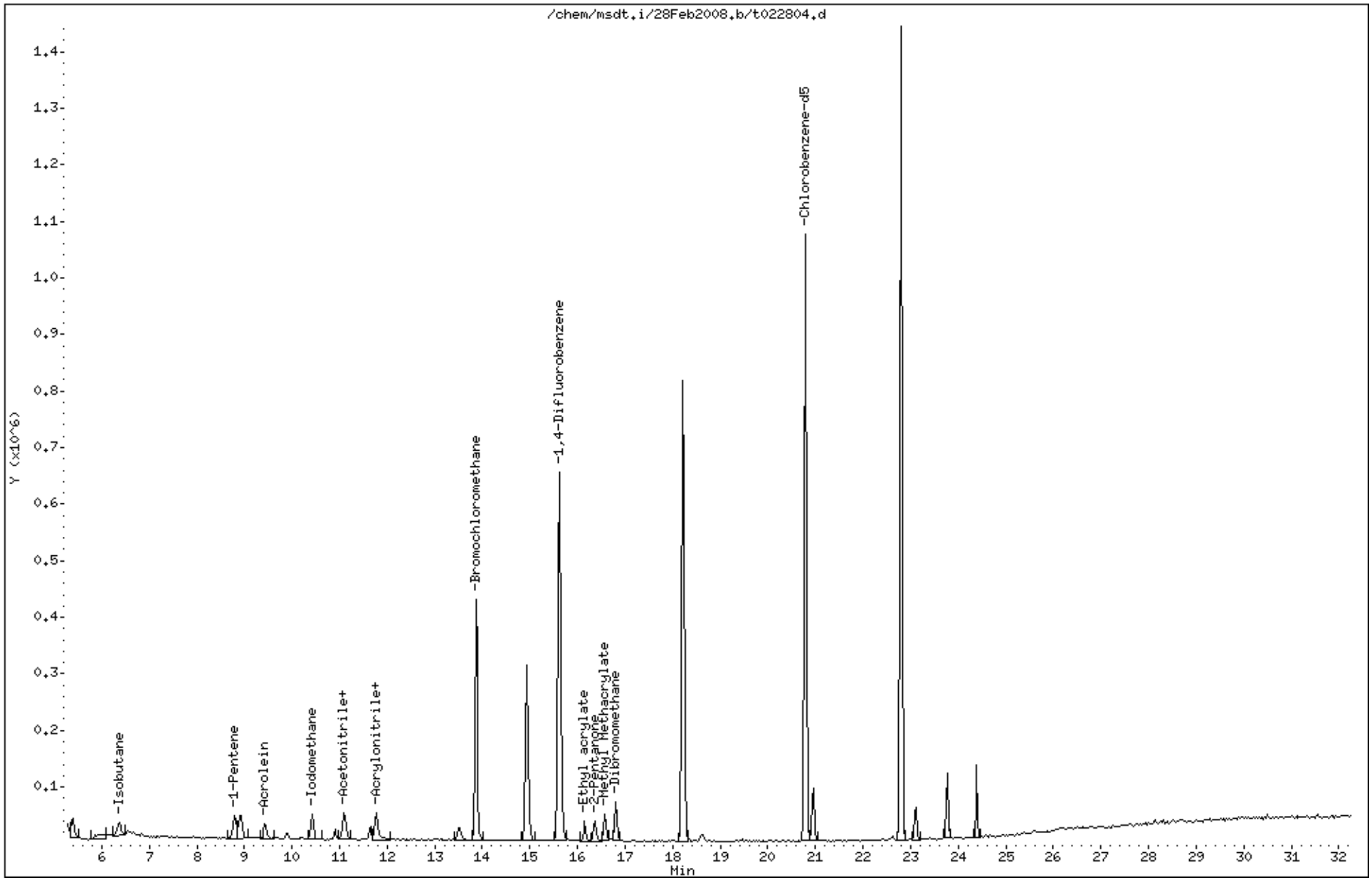
0092

Data File: /chem/msdt.i/28Feb2008.b/t022804.d
Date : 28-FEB-2008 13:03
Client ID: Level 3
Sample Info: 2.0ml #1576-304

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/21Feb2008.b/t022102.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 21-FEB-2008 09:41
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1576-299
Misc Info : 200ppbv -> 2.0(12.0 MeOH)ppbv
Comment :
Method : /chem/msdt.i/21Feb2008.b/t14q206b.m
Meth Date : 21-Feb-2008 14:28 sruth Quant Type: ISTD
Cal Date : 21-FEB-2008 09:41 Cal File: t022102.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.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		
13.865	13.865 (1.000)	130	323136	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	248884			26.66- 126.66	77.02
13.865	13.865 (1.000)	49	384478			100.22- 200.22	118.98
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1233520	25.0000		50.00- 150.00	100.00
15.607	15.607 (1.000)	88	206796			0.00- 66.22	16.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1168316	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	676739			7.02- 107.02	57.92
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.464)	65	79733	2.00000	2.000	50.00- 150.00	100.00
6.407	6.407 (0.462)	45	18145			0.00- 72.76	22.76
9 Freon 13					CAS #: 75-72-9		
5.422	5.422 (0.391)	69	83658	2.00000	2.000	50.00- 150.00	100.00
5.422	5.422 (0.391)	85	25442			0.00- 80.41	30.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.422	5.422 (0.391)	87	9056			0.00- 60.83	10.83
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	37002	2.00000	2.000	50.00- 150.00	100.00
5.675	5.675 (0.409)	69	29504			29.74- 129.74	79.74
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	21576	2.00000	2.000	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	40829			139.23- 239.23	189.23
5.844	5.844 (0.422)	47	9103			0.00- 92.19	42.19
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	8970	2.00000	2.000	50.00- 150.00	100.00
5.985	5.985 (0.432)	51	50505			513.04- 613.04	563.04
5.985	5.985 (0.432)	85	2799			0.00- 81.20	31.20
26 Methanol					CAS #: 67-56-1		
7.562	7.562 (0.545)	31	107293	12.0000	12.000	50.00- 150.00	100.00(a)
7.562	7.562 (0.545)	32	159991			99.12- 199.12	149.12
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	63623	2.00000	2.000	50.00- 150.00	100.00
8.717	8.717 (0.629)	69	20718			0.00- 82.56	32.56
8.688	8.688 (0.627)	35	3460			0.00- 55.44	5.44
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.691)	67	43195	2.00000	2.000	50.00- 150.00	100.00
9.579	9.579 (0.691)	117	30046			19.56- 119.56	69.56
41 Freon123					CAS #: 306-83-2		
9.690	9.690 (0.699)	83	5312	2.00000	2.000	50.00- 150.00	100.00
9.745	9.745 (0.703)	133	1071			0.00- 70.16	20.16
9.579	9.579 (0.691)	85	21678			358.09- 458.09	408.09
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	89483	2.00000	2.000	50.00- 150.00	100.00
12.289	12.289 (0.886)	87	25084			0.00- 78.03	28.03
12.289	12.289 (0.886)	59	11599			0.00- 62.96	12.96
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	4135	2.00000	2.000	50.00- 150.00	100.00
12.427	12.427 (0.896)	59	3892			44.12- 144.12	94.12
12.289	12.289 (0.886)	41	23097			508.57- 608.57	558.57
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	83489	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
73 t-Butylethyl Ether (continued)							
12.925	12.925 (0.932)	87	36614			0.00- 93.85	43.85
12.925	12.925 (0.932)	41	21913			0.00- 76.25	26.25
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	11280	2.00000	2.000	50.00- 150.00	100.00
13.395	13.395 (0.966)	61	9228			31.81- 131.81	81.81
13.395	13.395 (0.966)	43	57387			458.75- 558.75	508.75
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	81705	2.00000	2.000	50.00- 150.00	100.00
15.026	15.026 (1.084)	87	18497			0.00- 72.64	22.64
14.999	14.999 (1.082)	55	21377			0.00- 76.16	26.16
96 2-Heptanone					CAS #: 110-43-0		
21.966	21.966 (1.584)	58	32947	2.00000	2.000	50.00- 150.00	100.00
21.966	21.966 (1.584)	43	45146			87.03- 187.03	137.03
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	9606	2.00000	2.000	50.00- 150.00	100.00
15.801	15.801 (1.011)	41	10253			56.74- 156.74	106.74
15.801	15.801 (1.011)	43	8257			35.96- 135.96	85.96
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	24048	2.00000	2.000	50.00- 150.00	100.00
19.533	19.533 (1.249)	73	11636			0.00- 98.39	48.39
19.533	19.533 (1.249)	43	54116			175.03- 275.03	225.03
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	25477	2.00000	2.000	50.00- 150.00	100.00
22.741	22.741 (1.093)	98	12571			0.00- 99.34	49.34
22.741	22.741 (1.093)	42	15548			11.03- 111.03	61.03
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	67522	2.00000	2.000	50.00- 150.00	100.00
23.570	23.570 (1.133)	85	63912			44.65- 144.65	94.65
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 21-Feb-2008 14:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022102.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/21Feb2008.b/t14q206b.m
Misc Info: 200ppbv -> 2.0(12.0 MeOH)ppbv

Calibration Date: 21-FEB-2008
Calibration Time: 09:41
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	323136	193882	452390	323136	0.00
97 1,4-Difluorobenze	1233520	740112	1726928	1233520	0.00
126 Chlorobenzene-d5	1168316	700990	1635642	1168316	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	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.

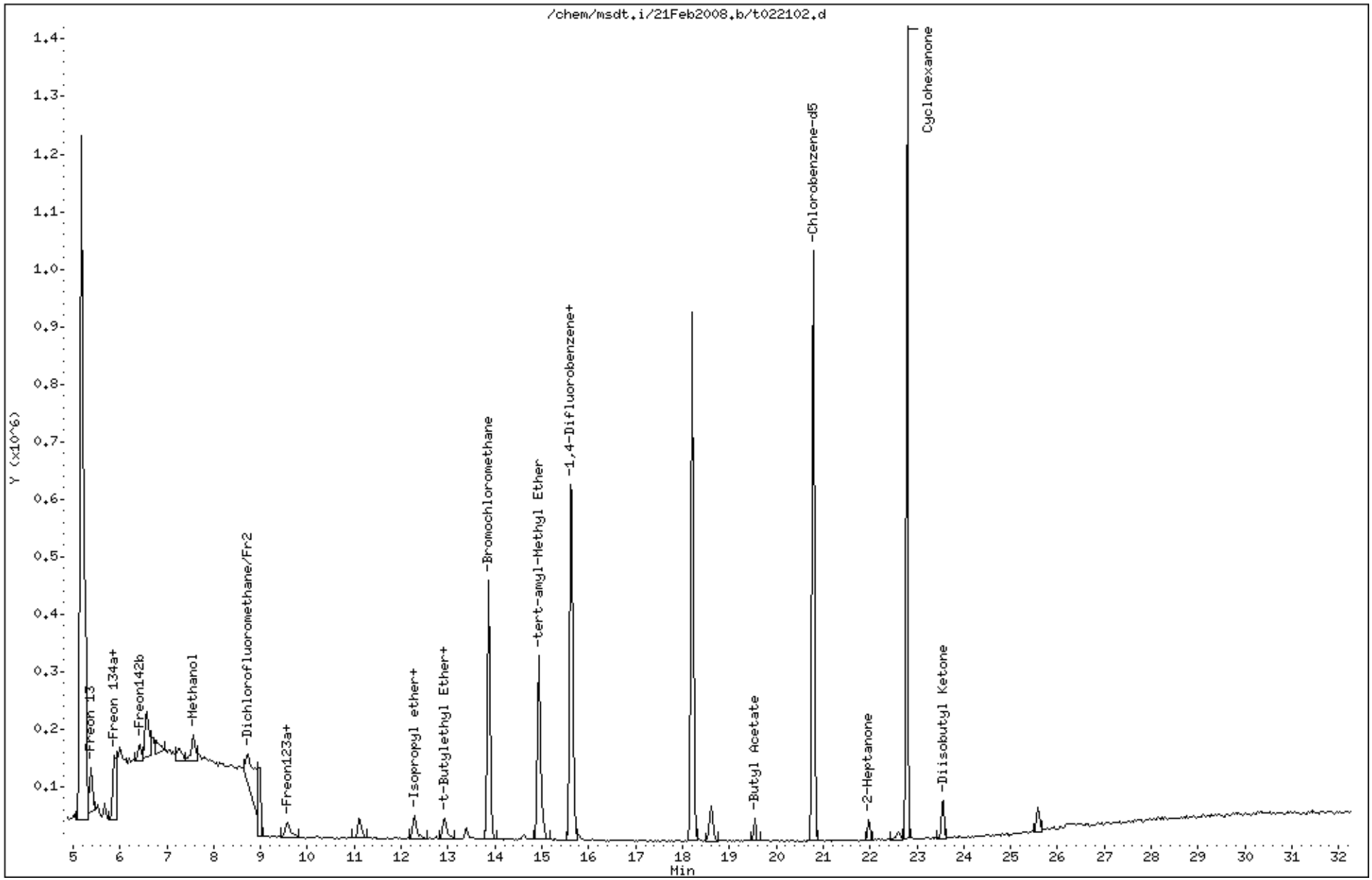
0097

Data File: /chem/msdt.i/21Feb2008.b/t022102.d
Date : 21-FEB-2008 09:41
Client ID: Level 3
Sample Info: 2.0ml #1576-299

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020609.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 06-FEB-2008 15:52
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0ml #1576-261
Misc Info : 200ppbv -> 2.0ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 15:52 Cal File: t020609.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		
13.858	13.858 (1.000)	130	335688	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	253015			26.39- 126.39	75.37
13.858	13.858 (1.000)	49	393871			99.95- 199.95	117.33
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1208496	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	195592			0.00- 66.12	16.18
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1074623	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	603306			6.72- 106.72	56.14
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.078)	65	504523	25.0000	23.357	50.00- 150.00	100.00
14.936	14.936 (1.078)	67	255336			3.57- 103.57	50.61
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1147306	25.0000	24.646	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	135898			0.00- 61.29	11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	787197			18.71- 118.71	68.61
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	679408	25.0000	24.442	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	860445			75.58- 175.58	126.65
22.789	22.789 (1.096)	176	670526			47.41- 147.41	98.69
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	22739	2.00000	2.071	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	15435			17.96- 117.96	67.88
5.784	5.784 (0.417)	39	20226			33.44- 133.44	88.95
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	123293	2.00000	1.881	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	38794			0.00- 82.13	31.46
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.453)	135	78566	2.00000	1.813	50.00- 150.00	100.00
6.282	6.282 (0.453)	137	26889			0.00- 81.89	34.22
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.471)	50	26540	2.00000	1.854	50.00- 150.00	100.00(a)
6.531	6.531 (0.471)	52	9438			0.00- 83.62	35.56
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.495)	62	34443	2.00000	1.753	50.00- 150.00	100.00
6.863	6.863 (0.495)	64	15275			0.00- 89.61	44.35
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.501)	54	27542	2.00000	1.863	50.00- 150.00	100.00
6.946	6.946 (0.501)	39	26577			53.33- 153.33	96.50
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.571)	94	34627	2.00000	1.780	50.00- 150.00	100.00
7.913	7.913 (0.571)	96	36867			43.69- 143.69	106.47
27 Chloroethane					CAS #: 75-00-3		
8.162	8.162 (0.589)	64	18101	2.00000	1.766	50.00- 150.00	100.00
8.162	8.162 (0.589)	49	4451			0.00- 76.71	24.59
8.162	8.162 (0.589)	66	6377			0.00- 83.02	35.23
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.770	8.770 (0.633)	101	138682	2.00000	1.869	50.00- 150.00	100.00
8.770	8.770 (0.633)	103	89495			13.52- 113.52	64.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	8250	2.00000	1.453	50.00- 150.00	100.00(a)
9.241	9.241 (0.667)	43	2392			0.00- 75.24	28.99
9.241	9.241 (0.667)	46	4013			0.00- 89.78	48.64
42 Freon 113					CAS #: 76-13-1		
9.932	9.932 (0.717)	151	65484	2.00000	1.916	50.00- 150.00	100.00
9.959	9.959 (0.719)	153	41750			14.28- 114.28	63.76
9.932	9.932 (0.717)	101	88957			80.55- 180.55	135.85
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.725)	61	52759	2.00000	1.715	50.00- 150.00	100.00
10.042	10.042 (0.725)	96	35580			13.15- 113.15	67.44
10.042	10.042 (0.725)	98	22419			0.00- 88.14	42.49
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	17325	2.00000	1.818	50.00- 150.00	100.00(a)
10.181	10.181 (0.735)	43	56147			267.82- 367.82	324.08
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	49508	2.00000	1.516	50.00- 150.00	100.00(a)
10.374	10.374 (0.749)	43	15582			0.00- 76.64	31.47
10.374	10.374 (0.749)	59	2412			0.00- 54.31	4.87
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	104722	2.00000	1.800	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	15372	2.00000	1.534	50.00- 150.00	100.00
10.817	10.817 (0.781)	41	36495			173.84- 273.84	237.41
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	37218	2.00000	1.914	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	31883			36.08- 136.08	85.67
11.093	11.093 (0.800)	51	11885			0.00- 83.83	31.93
60 MTBE					CAS #: 1634-04-4		
11.452	11.452 (0.826)	73	66761	2.00000	1.196	50.00- 150.00	100.00
11.452	11.452 (0.826)	57	12002			0.00- 69.02	17.98
11.452	11.452 (0.826)	41	12228			0.00- 70.47	18.32
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.535	11.535 (0.832)	96	37657	2.00000	1.648	50.00- 150.00	100.00
11.535	11.535 (0.832)	61	60152			95.77- 195.77	159.74
11.535	11.535 (0.832)	98	27454			16.26- 116.26	72.91

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	47780	2.00000	1.584	50.00- 150.00	100.00
11.895	11.895 (0.858)	43	27530			9.30- 109.30	57.62
11.895	11.895 (0.858)	86	8949			0.00- 66.83	18.73
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.892)	86	8827	2.00000	1.493	50.00- 150.00	100.00(a)
12.365	12.365 (0.892)	43	72295			832.23- 932.23	819.02
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	75018	2.00000	1.778	50.00- 150.00	100.00
12.365	12.365 (0.892)	65	22968			0.00- 82.79	30.62
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	17305	2.00000	1.612	50.00- 150.00	100.00
13.388	13.388 (0.966)	43	54370			275.22- 375.22	314.19
13.388	13.388 (0.966)	57	5456			0.00- 79.56	31.53
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	49131	2.00000	1.730	50.00- 150.00	100.00
13.416	13.416 (0.968)	96	40888			27.39- 127.39	83.22
13.416	13.416 (0.968)	98	25507			0.96- 100.96	51.92
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	29321	2.00000	1.619	50.00- 150.00	100.00
13.886	13.886 (1.002)	71	14128			0.00- 99.16	48.18
13.858	13.858 (1.000)	72	15805			2.04- 102.04	53.90
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	92125	2.00000	1.890	50.00- 150.00	100.00
13.941	13.941 (1.006)	85	57968			16.43- 116.43	62.92
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	97885	2.00000	1.815	50.00- 150.00	100.00
14.273	14.273 (1.030)	99	63207			17.45- 117.45	64.57
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.032)	84	46052	2.00000	1.595	50.00- 150.00	100.00
14.300	14.300 (1.032)	56	44767			47.55- 147.55	97.21
14.300	14.300 (1.032)	41	25199			5.12- 105.12	54.72
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.050)	119	92572	2.00000	1.787	50.00- 150.00	100.00
14.549	14.549 (1.050)	117	96223			53.78- 153.78	103.94
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	113789	2.00000	1.883	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)							
14.964	14.964 (0.958)	77	26346			0.00- 73.50	23.15
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	112642	2.00000	1.600	50.00- 150.00	100.00
14.881	14.881 (1.074)	56	37981			0.00- 82.82	33.72
14.881	14.881 (1.074)	41	33953			0.00- 78.43	30.14
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	55658	2.00000	1.888	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	18886			0.00- 84.23	33.93
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	28458	2.00000	1.664	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	38964			85.70- 185.70	136.92
15.185	15.185 (0.972)	57	22207			28.72- 128.72	78.03
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	47821	2.00000	1.848	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	44019			42.94- 142.94	92.05
16.098	16.098 (1.030)	97	30818			13.25- 113.25	64.44
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	36803	2.00000	1.805	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	26650			21.32- 121.32	72.41
16.568	16.568 (1.060)	41	20186			8.96- 108.96	54.85
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	23425	2.00000	1.570	50.00- 150.00	100.00(a)
16.678	16.678 (1.067)	58	14454			9.36- 109.36	61.70
16.706	16.706 (1.069)	57	5506			0.00- 71.19	23.50
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.982 (1.087)	83	85032	2.00000	1.836	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	56563			13.51- 113.51	66.52
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	51480	2.00000	1.657	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	17678			0.00- 84.89	34.34
17.784	17.784 (1.138)	39	24641			0.00- 97.13	47.87
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	20175	2.00000	1.430	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	50030			175.34- 275.34	247.98
17.978	17.978 (1.150)	85	10629			0.64- 100.64	52.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	120521	2.00000	1.871	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	71179			11.62- 111.62	59.06
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	59843	2.00000	1.762	50.00- 150.00	100.00
18.752	18.752 (0.902)	77	20118			0.00- 81.86	33.62
18.752	18.752 (0.902)	39	25251			0.00- 91.58	42.20
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	47042	2.00000	1.922	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	29057			13.21- 113.21	61.77
19.111	19.111 (0.919)	83	38865			35.76- 135.76	82.62
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	61038	2.00000	1.861	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	45046			19.36- 119.36	73.80
19.277	19.277 (0.927)	131	43125			16.43- 116.43	70.65
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	21928	2.00000	1.070	50.00- 150.00	100.00(a)
19.416	19.416 (0.934)	43	43343			124.96- 224.96	197.66
19.443	19.443 (0.935)	100	5059			0.00- 71.71	23.07
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	73614	2.00000	1.766	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	61421			28.82- 128.82	83.44
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.051 (0.964)	107	68894	2.00000	1.769	50.00- 150.00	100.00
20.051	20.051 (0.964)	109	66726			46.68- 146.68	96.85
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	107793	2.00000	1.907	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	32353			0.00- 82.06	30.01
20.853	20.853 (1.003)	77	75346			22.53- 122.53	69.90
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	53200	2.00000	1.817	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	171345			269.96- 369.96	322.08
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	66296	2.00000	1.798	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	127807			149.87- 249.87	192.78
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	61779	2.00000	1.761	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)							
21.849	21.849 (1.051)	91	123534			160.81- 260.81	199.96
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	86239	2.00000	1.605	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	46667			9.02- 109.02	54.11
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	78029	2.00000	1.744	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	43129			1.83- 101.83	55.27
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	168444	2.00000	1.741	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	43006			0.00- 77.62	25.53
22.429	22.429 (1.078)	51	12970			0.00- 58.75	7.70
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	111264	2.00000	1.978	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	71555			16.89- 116.89	64.31
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	233544	2.00000	1.862	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	50752			0.00- 71.63	21.73
23.121	23.121 (1.112)	105	8175			0.00- 53.71	3.50
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	203376	2.00000	1.905	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	60019			0.00- 79.69	29.51
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	167502	2.00000	1.839	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	80768			0.00- 98.23	48.22
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	155174	2.00000	1.808	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	68143			0.00- 94.91	43.91
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	129075	2.00000	2.093	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	83042			14.68- 114.68	64.34
24.586	24.586 (1.182)	111	51936			0.00- 91.36	40.24
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	129470	2.00000	2.040	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	86858			16.09- 116.09	67.09
24.724	24.724 (1.189)	111	52523			0.00- 90.13	40.57

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	166099	2.00000	1.810	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	32450			0.00- 69.28	19.54
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	127527	2.00000	2.122	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	87225			15.85- 115.85	68.40
25.360	25.360 (1.219)	111	57743			0.00- 94.46	45.28
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	87930	2.00000	1.919	50.00- 150.00	100.00(a)
28.153	28.153 (1.354)	182	83811			44.78- 144.78	95.32
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	106764	2.00000	2.315	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	66440			12.90- 112.90	62.23
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	109061	2.00000	1.719	50.00- 150.00	100.00(a)
28.678	28.678 (1.379)	127	15349			0.00- 62.74	14.07
29 Isopentane					CAS #: 78-78-4		
8.245	8.245 (0.595)	43	38125	2.00000	1.757	50.00- 150.00	100.00(a)
8.273	8.273 (0.597)	57	29545			27.67- 127.67	77.50
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.491)	58	6720	2.00000	1.788	50.00- 150.00	100.00(a)
6.780	6.780 (0.489)	43	51151			666.74- 766.74	761.18
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.180)	83	55043	2.00000	1.610	50.00- 150.00	100.00
16.346	16.346 (1.180)	98	24267			0.00- 95.22	44.09
16.346	16.346 (1.180)	55	36926			20.82- 120.82	67.09
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.148	11.148 (0.804)	59	49102	2.00000	1.379	50.00- 150.00	100.00(a)
11.148	11.148 (0.804)	41	11220			0.00- 72.85	22.85
11.148	11.148 (0.804)	57	4875			0.00- 59.93	9.93

QC Flag Legend

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020609.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 2.0ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 15:52
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	335688	201413	469963	335688	0.00
97 1,4-Difluorobenze	1208496	725098	1691894	1208496	0.00
126 Chlorobenzene-d5	1074623	644774	1504472	1074623	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.86	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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.

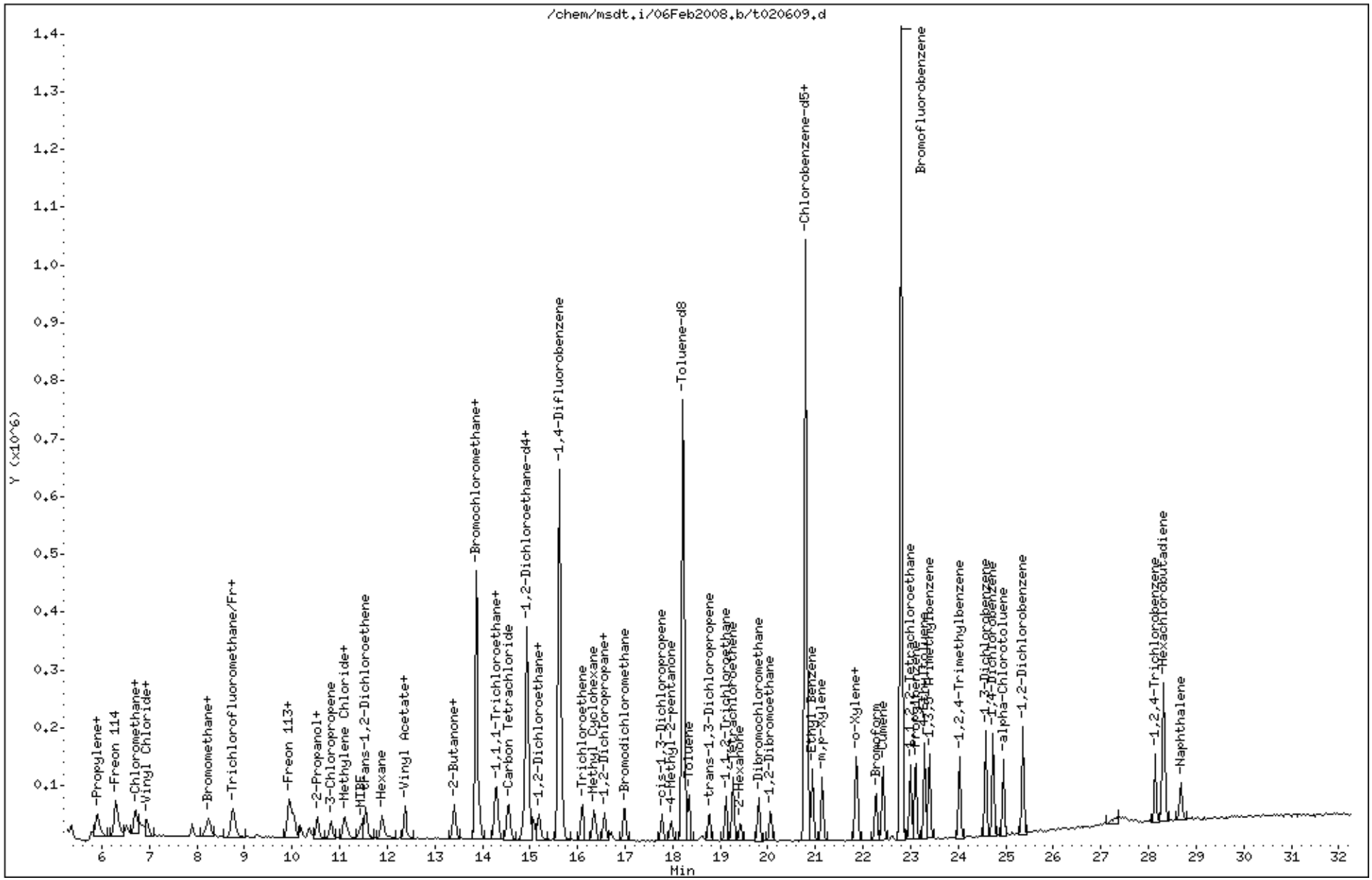
0107

Data File: /chem/msdt.i/06Feb2008.b/t020609.d
Date : 06-FEB-2008 15:52
Client ID: Level 3
Sample Info: 2.0ml #1576-261

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/21Feb2008.b/t022103.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 21-FEB-2008 10:21
Operator : sjr Inst ID: msdt.i
Smp Info : 8.0ml #1576-299
Misc Info : 200ppbv -> 8.0(48.0 MeOH)ppbv
Comment :
Method : /chem/msdt.i/21Feb2008.b/t14q206b.m
Meth Date : 21-Feb-2008 14:28 sruth Quant Type: ISTD
Cal Date : 21-FEB-2008 10:21 Cal File: t022103.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.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		
13.865	13.865 (1.000)	130	312185	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	236346			26.53- 126.53	75.71
13.865	13.865 (1.000)	49	371766			95.42- 195.42	119.09
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1223661	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	198736			0.00- 66.25	16.24
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1150030	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	661640			7.16- 107.16	57.53
6 Freon142b					CAS #: 75-68-3		
6.408	6.408 (0.462)	65	314391	8.00000	8.080	50.00- 150.00	100.00
6.408	6.408 (0.462)	45	67573			0.00- 72.13	21.49
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	329101	8.00000	8.071	50.00- 150.00	100.00
5.394	5.394 (0.389)	85	99340			0.00- 80.30	30.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.394	5.394 (0.389)	87	34120			0.00- 60.60	10.37
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	141460	8.00000	7.957	50.00- 150.00	100.00
5.675	5.675 (0.409)	69	121869			32.94- 132.94	86.15
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	73331	8.00000	7.487	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	133000			135.30- 235.30	181.37
5.844	5.844 (0.422)	47	31133			0.00- 92.32	42.46
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	36362	8.00000	8.191	50.00- 150.00	100.00
5.985	5.985 (0.432)	51	183210			483.45- 583.45	503.85
5.985	5.985 (0.432)	85	4459			0.00- 71.73	12.26
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	197031	48.0000	30.924	50.00- 150.00	100.00(a)
7.534	7.534 (0.543)	32	284448			96.74- 196.74	144.37
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	247871	8.00000	8.032	50.00- 150.00	100.00
8.717	8.717 (0.629)	69	81283			0.00- 82.68	32.79
8.717	8.717 (0.629)	35	14325			0.00- 55.61	5.78
40 Freon123a					CAS #: 354-23-4		
9.580	9.580 (0.691)	67	180610	8.00000	8.315	50.00- 150.00	100.00
9.580	9.580 (0.691)	117	129025			20.50- 120.50	71.44
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	20901	8.00000	8.072	50.00- 150.00	100.00
9.745	9.745 (0.703)	133	4660			0.00- 71.23	22.30
9.580	9.580 (0.691)	85	89551			368.27- 468.27	428.45
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	351422	8.00000	8.064	50.00- 150.00	100.00
12.289	12.289 (0.886)	87	111725			0.00- 79.91	31.79
12.289	12.289 (0.886)	59	41310			0.00- 62.36	11.76
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	23591	8.00000	9.539	50.00- 150.00	100.00
12.400	12.400 (0.894)	59	31738			64.33- 164.33	134.53
12.400	12.400 (0.894)	41	18558			268.62- 368.62	78.67
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	353478	8.00000	8.365	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	73 t-Butylethyl Ether (continued)						
12.925	12.925 (0.932)	87	151766			0.00- 93.39	42.94
12.925	12.925 (0.932)	41	69691			0.00- 72.98	19.72
	77 Ethyl Acetate				CAS #: 141-78-6		
13.395	13.395 (0.966)	45	37234	8.00000	7.371	50.00- 150.00	100.00
13.395	13.395 (0.966)	61	39315			43.70- 143.70	105.59
13.395	13.395 (0.966)	43	256151			548.35- 648.35	687.95
	92 tert-amyl-Methyl Ether				CAS #: 994-05-8		
14.999	14.999 (1.082)	73	341472	8.00000	8.313	50.00- 150.00	100.00
14.999	14.999 (1.082)	87	75821			0.00- 72.42	22.20
14.999	14.999 (1.082)	55	93846			0.00- 76.82	27.48
	96 2-Heptanone				CAS #: 110-43-0		
21.994	21.994 (1.586)	58	165986	8.00000	9.054	50.00- 150.00	100.00
21.967	21.967 (1.584)	43	236874			89.87- 189.87	142.71
	98 1-Butanol				CAS #: 71-36-3		
15.801	15.801 (1.011)	56	55918	8.00000	9.514	50.00- 150.00	100.00
15.801	15.801 (1.011)	41	42576			41.44- 141.44	76.14
15.801	15.801 (1.011)	43	29218			19.10- 119.10	52.25
	119 Butyl Acetate				CAS #: 123-86-4		
19.533	19.533 (1.249)	56	110364	8.00000	8.581	50.00- 150.00	100.00
19.533	19.533 (1.249)	73	48409			0.00- 96.12	43.86
19.533	19.533 (1.249)	43	247267			174.54- 274.54	224.05
	135 Cyclohexanone				CAS #: 108-94-1		
22.741	22.741 (1.093)	55	151594	8.00000	9.628	50.00- 150.00	100.00
22.741	22.741 (1.093)	98	75635			0.00- 99.62	49.89
22.741	22.741 (1.093)	42	93458			11.34- 111.34	61.65
	146 Diisobutyl Ketone				CAS #: 108-83-8		
23.570	23.570 (1.133)	57	340934	8.00000	8.990	50.00- 150.00	100.00
23.570	23.570 (1.133)	85	328214			45.46- 145.46	96.27
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 21-Feb-2008 14:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022103.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Calibration Date: 21-FEB-2008
Calibration Time: 10:21
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR
Method File: /chem/msdt.i/21Feb2008.b/t14q206b.m
Misc Info: 200ppbv -> 8.0(48.0 MeOH)ppbv

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	312185	187311	437059	312185	0.00
97 1,4-Difluorobenze	1223661	734197	1713125	1223661	0.00
126 Chlorobenzene-d5	1150030	690018	1610042	1150030	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	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/21Feb2008.b/t022103.d

Date : 21-FEB-2008 10:21

Client ID: Level 4

Sample Info: 8.0ml #1576-299

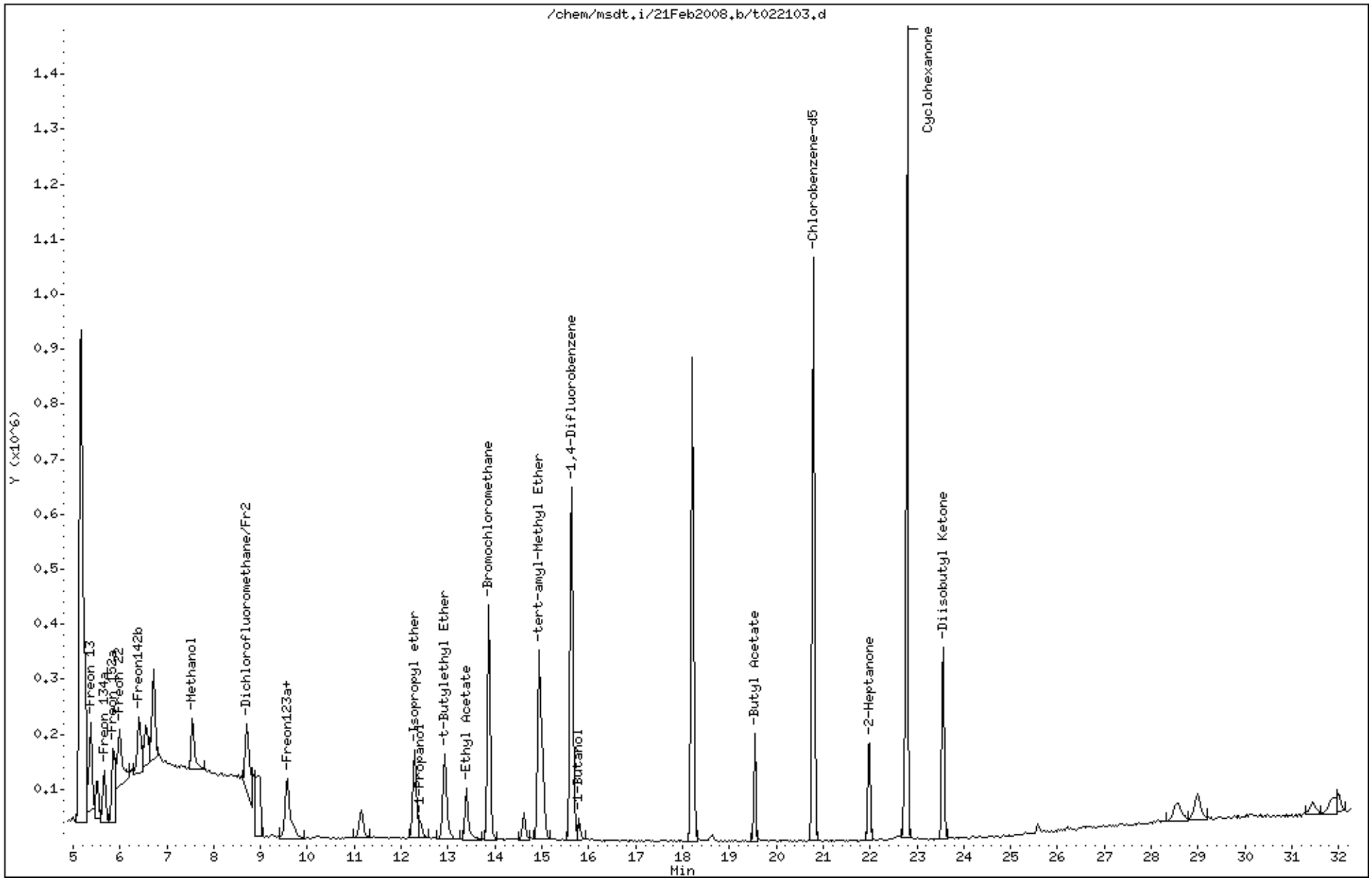
Column phase: RTx-624

Instrument: msdt.i

Operator: sjr

Column diameter: 0.53

0112



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020610.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 06-FEB-2008 16:33
Operator : sjr Inst ID: msdt.i
Smp Info : 25ml #1576-261
Misc Info : 200ppbv -> 25ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 16:33 Cal File: t020610.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		
13.886	13.886 (1.000)	130	334218	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	255710			26.39- 126.39	76.51
13.858	13.858 (1.000)	49	494332			99.95- 199.95	147.91
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1289398	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	207335			0.00- 66.12	16.08
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1136429	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	643863			6.72- 106.72	56.66
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.937 (1.076)	65	532290	25.0000	24.751	50.00- 150.00	100.00
14.937	14.937 (1.076)	67	283909			3.57- 103.57	53.34
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1243286	25.0000	25.032	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	135082			0.00- 61.29	10.86

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	859790			18.71- 118.71	69.15
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	723188	25.0000	24.602	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	908149			75.58- 175.58	125.58
22.789	22.789 (1.096)	176	710103			47.41- 147.41	98.19
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	284287	25.0000	26.006	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	196485			17.96- 117.96	69.12
5.812	5.812 (0.419)	39	232847			33.44- 133.44	81.91
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	1805554	25.0000	27.666	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	593653			0.00- 82.13	32.88
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	1167878	25.0000	27.071	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	380476			0.00- 81.89	32.58
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	370794	25.0000	26.025	50.00- 150.00	100.00
6.531	6.531 (0.470)	52	124290			0.00- 83.62	33.52
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.891 (0.496)	62	533497	25.0000	27.273	50.00- 150.00	100.00
6.891	6.891 (0.496)	64	172106			0.00- 89.61	32.26
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	405591	25.0000	27.552	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	386988			53.33- 153.33	95.41
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.570)	94	524382	25.0000	27.074	50.00- 150.00	100.00
7.914	7.914 (0.570)	96	479513			43.69- 143.69	91.44
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	279105	25.0000	27.358	50.00- 150.00	100.00
8.190	8.190 (0.590)	49	74678			0.00- 76.71	26.76
8.190	8.190 (0.590)	66	91110			0.00- 83.02	32.64
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.632)	101	2071216	25.0000	28.034	50.00- 150.00	100.00
8.771	8.771 (0.632)	103	1351487			13.52- 113.52	65.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.665)	45	155269	25.0000	27.468	50.00- 150.00	100.00
9.241	9.241 (0.665)	43	37536			0.00- 75.24	24.17
9.241	9.241 (0.665)	46	55946			0.00- 89.78	36.03
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	936482	25.0000	27.528	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	599235			14.28- 114.28	63.99
9.960	9.960 (0.717)	101	1225808			80.55- 180.55	130.89
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	847928	25.0000	27.691	50.00- 150.00	100.00
10.043	10.043 (0.723)	96	515431			13.15- 113.15	60.79
10.043	10.043 (0.723)	98	326894			0.00- 88.14	38.55
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.733)	58	251564	25.0000	26.508	50.00- 150.00	100.00
10.181	10.181 (0.733)	43	818668			267.82- 367.82	325.43
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	858121	25.0000	26.385	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	230141			0.00- 76.64	26.82
10.374	10.374 (0.747)	59	35435			0.00- 54.31	4.13
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	1571599	25.0000	27.134	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	280286	25.0000	28.102	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	605264			173.84- 273.84	215.95
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.799)	49	515852	25.0000	26.641	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	457155			36.08- 136.08	88.62
11.093	11.093 (0.799)	51	169738			0.00- 83.83	32.90
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	1789417	25.0000	32.190	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	342391			0.00- 69.02	19.13
11.453	11.453 (0.825)	41	333822			0.00- 70.47	18.66
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	663385	25.0000	29.151	50.00- 150.00	100.00
11.536	11.536 (0.831)	61	928452			95.77- 195.77	139.96
11.563	11.563 (0.833)	98	425861			16.26- 116.26	64.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	875954	25.0000	29.169	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	512217			9.30- 109.30	58.48
11.895	11.895 (0.857)	86	154784			0.00- 66.83	17.67
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	153376	25.0000	26.051	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	1371221			832.23- 932.23	894.03
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.890)	63	1208705	25.0000	28.768	50.00- 150.00	100.00
12.365	12.365 (0.890)	65	387741			0.00- 82.79	32.08
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	292440	25.0000	27.357	50.00- 150.00	100.00
13.388	13.388 (0.964)	43	970748			275.22- 375.22	331.95
13.388	13.388 (0.964)	57	81299			0.00- 79.56	27.80
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	814797	25.0000	28.821	50.00- 150.00	100.00
13.416	13.416 (0.966)	96	629811			27.39- 127.39	77.30
13.416	13.416 (0.966)	98	405600			0.96- 100.96	49.78
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	516188	25.0000	28.629	50.00- 150.00	100.00
13.858	13.858 (0.998)	71	270836			0.00- 99.16	52.47
13.858	13.858 (0.998)	72	286491			2.04- 102.04	55.50
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	1434387	25.0000	29.549	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	936553			16.43- 116.43	65.29
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.028)	97	1561890	25.0000	29.090	50.00- 150.00	100.00
14.273	14.273 (1.028)	99	1011367			17.45- 117.45	64.75
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	831348	25.0000	28.918	50.00- 150.00	100.00
14.301	14.301 (1.030)	56	822590			47.55- 147.55	98.95
14.301	14.301 (1.030)	41	437816			5.12- 105.12	52.66
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	1495659	25.0000	29.000	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	1593507			53.78- 153.78	106.54
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	1805921	25.0000	28.017	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)							
14.964	14.964 (0.958)	77	415076			0.00- 73.50	22.98
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	2040326	25.0000	29.108	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	651578			0.00- 82.82	31.93
14.881	14.881 (1.072)	41	527319			0.00- 78.43	25.84
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	899538	25.0000	28.604	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	287058			0.00- 84.23	31.91
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	539758	25.0000	29.582	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	725497			85.70- 185.70	134.41
15.185	15.185 (0.972)	57	433724			28.72- 128.72	80.36
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	809796	25.0000	29.332	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	736330			42.94- 142.94	90.93
16.098	16.098 (1.030)	97	502564			13.25- 113.25	62.06
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	617846	25.0000	28.408	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	449048			21.32- 121.32	72.68
16.568	16.568 (1.060)	41	350593			8.96- 108.96	56.74
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	419073	25.0000	26.325	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	248796			9.36- 109.36	59.37
16.706	16.706 (1.069)	57	87940			0.00- 71.19	20.98
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	1452860	25.0000	29.405	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	925446			13.51- 113.51	63.70
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	960843	25.0000	28.993	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	311058			0.00- 84.89	32.37
17.784	17.784 (1.138)	39	433889			0.00- 97.13	45.16
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	443863	25.0000	29.477	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	1012229			175.34- 275.34	228.05
17.978	17.978 (1.150)	85	219633			0.64- 100.64	49.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	1989625	25.0000	28.948	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	1214679			11.62- 111.62	61.05
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	1069541	25.0000	29.778	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	338491			0.00- 81.86	31.65
18.752	18.752 (0.902)	39	431851			0.00- 91.58	40.38
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	770359	25.0000	29.759	50.00- 150.00	100.00
19.112	19.112 (0.919)	99	476886			13.21- 113.21	61.90
19.112	19.112 (0.919)	83	637669			35.76- 135.76	82.78
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1044211	25.0000	30.103	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	733649			19.36- 119.36	70.26
19.277	19.277 (0.927)	131	692279			16.43- 116.43	66.30
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	600804	25.0000	27.717	50.00- 150.00	100.00
19.416	19.416 (0.934)	43	1022657			124.96- 224.96	170.21
19.416	19.416 (0.934)	100	132839			0.00- 71.71	22.11
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	1348982	25.0000	30.605	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	1034685			28.82- 128.82	76.70
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	1251667	25.0000	30.398	50.00- 150.00	100.00
20.052	20.052 (0.964)	109	1153749			46.68- 146.68	92.18
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	1743887	25.0000	29.181	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	545791			0.00- 82.06	31.30
20.853	20.853 (1.003)	77	1078189			22.53- 122.53	61.83
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	926234	25.0000	29.913	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	2920081			269.96- 369.96	315.26
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	1173062	25.0000	30.086	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	2352767			149.87- 249.87	200.57
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1125158	25.0000	30.336	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)							
21.849	21.849 (1.051)	91	2362887			160.81- 260.81	210.00
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	1801628	25.0000	31.706	50.00- 150.00	100.00
21.877	21.877 (1.052)	78	925547			9.02- 109.02	51.37
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	1429561	25.0000	30.216	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	734724			1.83- 101.83	51.40
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	3121582	25.0000	30.511	50.00- 150.00	100.00
22.430	22.430 (1.078)	120	803583			0.00- 77.62	25.74
22.430	22.430 (1.078)	51	269302			0.00- 58.75	8.63
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	1766566	25.0000	29.693	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	1142101			16.89- 116.89	64.65
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	3987959	25.0000	30.069	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	870154			0.00- 71.63	21.82
23.121	23.121 (1.112)	105	149480			0.00- 53.71	3.75
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	3468899	25.0000	30.725	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	1046336			0.00- 79.69	30.16
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	2924272	25.0000	30.363	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	1422059			0.00- 98.23	48.63
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	2745190	25.0000	30.249	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	1286024			0.00- 94.91	46.85
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1892688	25.0000	29.016	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	1226520			14.68- 114.68	64.80
24.586	24.586 (1.182)	111	789350			0.00- 91.36	41.71
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	1952581	25.0000	29.091	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	1247055			16.09- 116.09	63.87
24.724	24.724 (1.189)	111	788240			0.00- 90.13	40.37

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	2891364	25.0000	29.794	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	551882			0.00- 69.28	19.09
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1837629	25.0000	28.920	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	1188804			15.85- 115.85	64.69
25.360	25.360 (1.219)	111	792947			0.00- 94.46	43.15
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	1231331	25.0000	25.408	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	1163126			44.78- 144.78	94.46
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	1212587	25.0000	24.861	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	768070			12.90- 112.90	63.34
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1708446	25.0000	25.470	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	211414			0.00- 62.74	12.37
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	576310	25.0000	26.672	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	453950			27.67- 127.67	78.77
19 Butane					CAS #: 106-97-8		
6.808	6.808 (0.490)	58	101733	25.0000	27.192	50.00- 150.00	100.00
6.808	6.808 (0.490)	43	712263			666.74- 766.74	700.13
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	978273	25.0000	28.740	50.00- 150.00	100.00
16.347	16.347 (1.177)	98	444120			0.00- 95.22	45.40
16.347	16.347 (1.177)	55	690170			20.82- 120.82	70.55
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.149	11.149 (0.803)	59	1019065	25.0000	28.754	50.00- 150.00	100.00
11.149	11.149 (0.803)	41	225570			0.00- 72.85	22.13
11.149	11.149 (0.803)	57	106009			0.00- 59.93	10.40

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020610.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 25ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 16:33
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	334218	200531	467905	334218	0.00
97 1,4-Difluorobenze	1289398	773639	1805157	1289398	0.00
126 Chlorobenzene-d5	1136429	681857	1591001	1136429	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

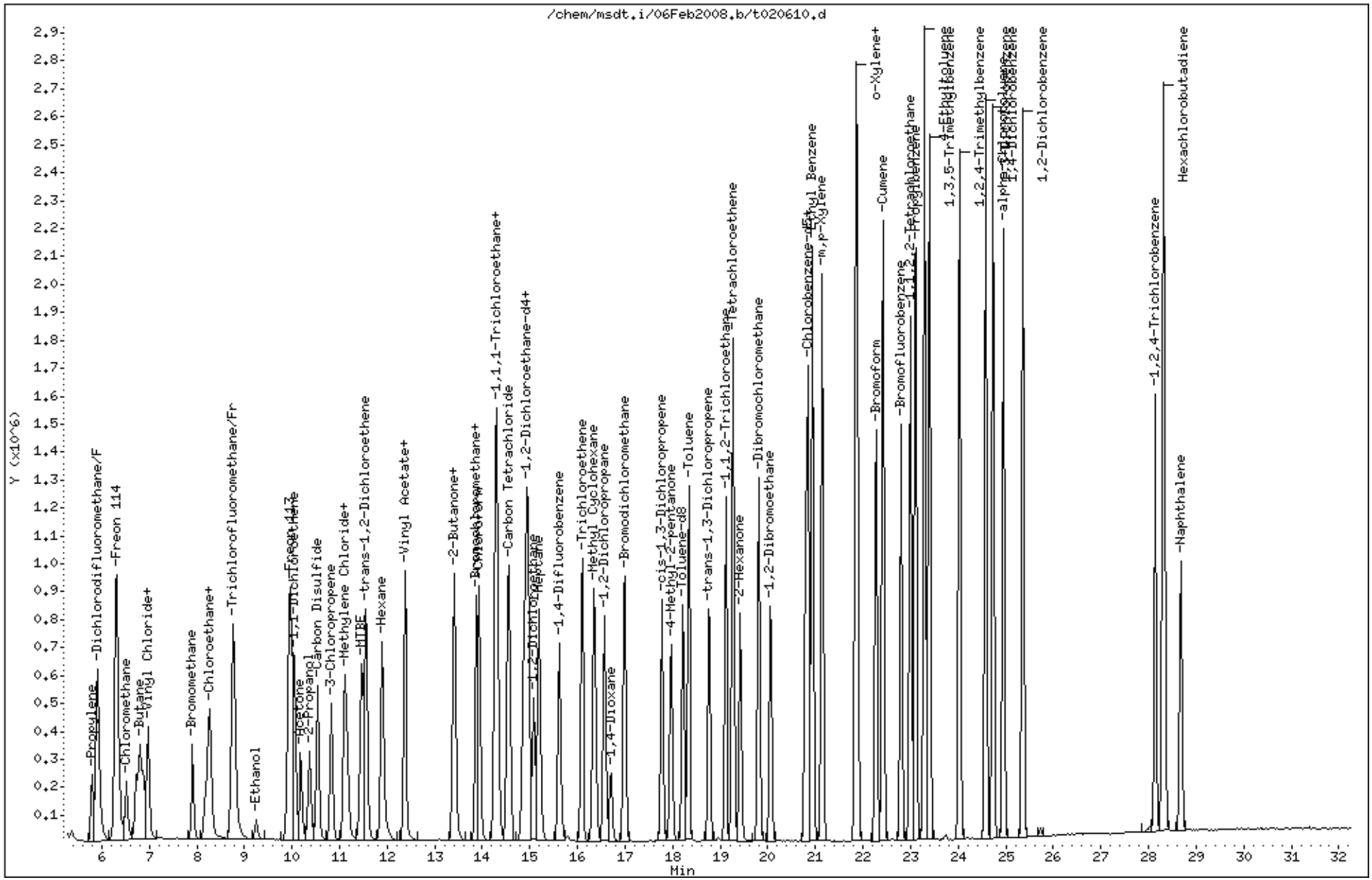
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0122

Data File: /chem/msdt.i/06Feb2008.b/t020610.d
Date : 06-FEB-2008 16:33
Client ID: Level 4
Sample Info: 25ml #1576-261

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Feb2008.b/t022805.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 28-FEB-2008 14:33
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1576-304
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/28Feb2008.b/t14q206c.m
Meth Date : 28-Feb-2008 16:07 sruth Quant Type: ISTD
Cal Date : 28-FEB-2008 14:33 Cal File: t022805.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp12c.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			
13.886	13.886 (1.000)	130	284844	25.0000		80.00- 120.00		100.00
13.886	13.886 (1.000)	128	215567			25.68- 125.68		75.68
13.858	13.858 (1.000)	49	341756			69.98- 169.98		119.98
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	1138044	25.0000		80.00- 120.00		100.00
15.628	15.628 (1.000)	88	188474			0.00- 66.56		16.56
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	1084863	25.0000		80.00- 120.00		100.00
20.798	20.798 (1.000)	82	619994			7.65- 107.65		57.15
21 Isobutane					CAS #: 75-28-5			
6.365	6.365 (0.458)	43	1193690	50.0000	52.303	80.00- 120.00		100.00(A)
6.365	6.365 (0.458)	42	398350			0.00- 86.63		33.37
6.337	6.337 (0.456)	58	34334			0.00- 52.93		2.88
35 1-Pentene					CAS #: 109-67-1			
8.826	8.826 (0.636)	55	790631	50.0000	48.436	80.00- 120.00		100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 1-Pentene (continued)							
8.826	8.826 (0.636)	42	877710			56.59- 156.59	111.01
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.904	9.904 (0.713)	55	230934	50.0000	44.386	80.00- 120.00	100.00(A)
9.904	9.904 (0.713)	56	321507			92.43- 192.43	139.22
48 Ethyl acrylate					CAS #: 140-88-5		
16.153	16.153 (1.034)	99	144583	50.0000	54.255	80.00- 120.00	100.00(A)
16.153	16.153 (1.034)	45	145628			50.72- 150.72	100.72
16.153	16.153 (1.034)	55	1683242			1114.20-1214.20	1164.20
49 Iodomethane					CAS #: 74-88-4		
10.430	10.430 (0.751)	142	1885455	50.0000	47.373	80.00- 120.00	100.00(A)
10.430	10.430 (0.751)	127	860879			0.00- 95.19	45.66
50 Methyl Methacrylate					CAS #: 80-62-6		
16.568	16.568 (1.060)	41	981877	50.0000	51.066	80.00- 120.00	100.00(A)
16.568	16.568 (1.060)	69	905741			45.56- 145.56	92.25
16.568	16.568 (1.060)	100	350034			0.00- 82.77	35.65
52 Acetonitrile					CAS #: 75-05-8		
10.900	10.900 (0.785)	40	300989	50.0000	47.688	80.00- 120.00	100.00(A)
10.900	10.900 (0.785)	41	568426			146.13- 246.13	188.85
10.900	10.900 (0.785)	38	80989			0.00- 78.90	26.91
56 Cyclopentane					CAS #: 287-92-3		
11.121	11.121 (0.801)	70	527802	50.0000	48.162	80.00- 120.00	100.00(A)
11.121	11.121 (0.801)	55	634784			66.73- 166.73	120.27
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
62 Acrylonitrile					CAS #: 107-13-1		
11.646	11.646 (0.839)	53	557012	50.0000	46.912	80.00- 120.00	100.00(A)
11.646	11.646 (0.839)	52	467142			38.74- 138.74	83.87
63 2-Pentanone					CAS #: 107-87-9		
16.374	16.374 (1.048)	43	1811289	50.0000	51.267	80.00- 120.00	100.00(A)
16.374	16.374 (1.048)	58	160718			0.00- 58.83	8.87
16.374	16.374 (1.048)	86	396567			0.00- 71.75	21.89
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.849)	55	555507	50.0000	52.494	80.00- 120.00	100.00(A)
11.784	11.784 (0.849)	41	785755			98.04- 198.04	141.45
11.784	11.784 (0.849)	84	257836			0.00- 96.48	46.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
105 Dibromomethane					CAS #: 74-95-3		
16.789	16.789 (1.074)	174	978005	50.0000	48.025	80.00- 120.00	100.00(A)
16.789	16.789 (1.074)	93	1025001			55.32- 155.32	104.81
16.789	16.789 (1.074)	95	849678			35.19- 135.19	86.88

QC Flag Legend

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

Report Date: 28-Feb-2008 16:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022805.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/28Feb2008.b/t14q206c.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 28-FEB-2008
Calibration Time: 14:33
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	284844	170906	398782	284844	0.00
97 1,4-Difluorobenze	1138044	682826	1593262	1138044	0.00
126 Chlorobenzene-d5	1084863	650918	1518808	1084863	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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.

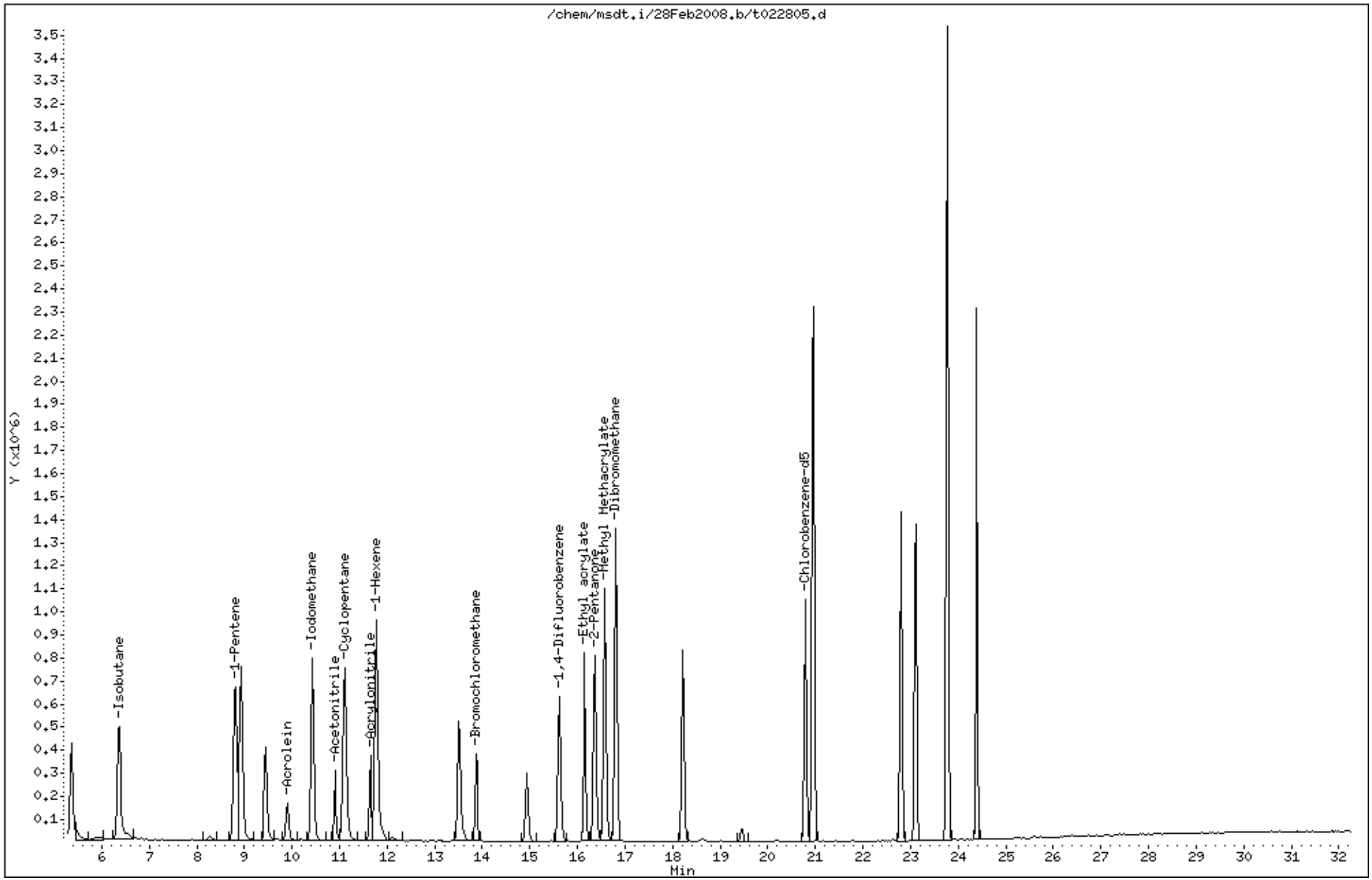
0127

Data File: /chem/msdt.i/28Feb2008.b/t022805.d
Date : 28-FEB-2008 14:33
Client ID: Level 5
Sample Info: 50ml #1576-304

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/21Feb2008.b/t022104.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 21-FEB-2008 11:03
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1576-299
Misc Info : 200ppbv -> 50(300 MeOH)ppbv
Comment :
Method : /chem/msdt.i/21Feb2008.b/t14q206b.m
Meth Date : 21-Feb-2008 14:28 sruth Quant Type: ISTD
Cal Date : 21-FEB-2008 11:03 Cal File: t022104.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.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		
13.865	13.865 (1.000)	130	312258	25.0000		80.00- 120.00	100.00
13.865	13.865 (1.000)	128	236420			25.71- 125.71	75.71
13.865	13.865 (1.000)	49	373343			69.56- 169.56	119.56
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1266888	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	209470			0.00- 66.53	16.53
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1159473	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	667973			7.40- 107.40	57.61
6 Freon142b					CAS #: 75-68-3		
6.408	6.408 (0.462)	65	2256667	50.0000	55.056	80.00- 120.00	100.00
6.408	6.408 (0.462)	45	455198			0.00- 71.47	20.17
9 Freon 13					CAS #: 75-72-9		
5.366	5.366 (0.387)	69	2091709	50.0000	50.851	80.00- 120.00	100.00
5.366	5.366 (0.387)	85	681331			0.00- 81.06	32.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.366	5.366 (0.387)	87	212271			0.00- 60.45	10.15
13 Freon 134a					CAS #: 811-97-2		
5.647	5.647 (0.407)	83	957959	50.0000	52.516	80.00- 120.00	100.00
5.647	5.647 (0.407)	69	790194			32.79- 132.79	82.49
15 Freon 152a					CAS #: 75-37-6		
5.816	5.816 (0.419)	65	507647	50.0000	51.198	80.00- 120.00	100.00
5.816	5.816 (0.419)	51	855266			129.69- 229.69	168.48
5.816	5.816 (0.419)	47	223144			0.00- 92.87	43.96
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.432)	67	240792	50.0000	52.743	80.00- 120.00	100.00
5.985	5.985 (0.432)	51	1193969			470.91- 570.91	495.85
5.985	5.985 (0.432)	85	25075			0.00- 67.96	10.41
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	536359	300.000	110.71	80.00- 120.00	100.00
7.534	7.534 (0.543)	32	456083			35.03- 135.03	85.03
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.629)	67	1630517	50.0000	51.849	80.00- 120.00	100.00
8.717	8.717 (0.629)	69	532919			0.00- 82.68	32.68
8.717	8.717 (0.629)	35	85037			0.00- 55.48	5.22
40 Freon123a					CAS #: 354-23-4		
9.552	9.552 (0.689)	67	1294749	50.0000	56.012	80.00- 120.00	100.00
9.552	9.552 (0.689)	117	946703			21.37- 121.37	73.12
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	146846	50.0000	54.275	80.00- 120.00	100.00
9.718	9.718 (0.701)	133	29959			0.00- 70.95	20.40
9.718	9.718 (0.701)	85	122663			256.69- 356.69	83.53
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	2738824	50.0000	57.883	80.00- 120.00	100.00
12.289	12.289 (0.886)	87	875522			0.00- 80.60	31.97
12.289	12.289 (0.886)	59	320352			0.00- 62.14	11.70
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	118012	50.0000	48.447	80.00- 120.00	100.00
12.400	12.400 (0.894)	59	177514			76.36- 176.36	150.42
12.289	12.289 (0.886)	41	548379			317.31- 417.31	464.68
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	3041136	50.0000	62.766	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 t-Butylethyl Ether (continued)							
12.925	12.925 (0.932)	87	1293560			0.00- 93.11	42.54
12.925	12.925 (0.932)	41	498322			0.00- 70.78	16.39
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	287177	50.0000	54.359	80.00- 120.00	100.00
13.395	13.395 (0.966)	61	317488			49.32- 149.32	110.55
13.395	13.395 (0.966)	43	1980955			578.83- 678.83	689.80
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	2825604	50.0000	61.124	80.00- 120.00	100.00
14.999	14.999 (1.082)	87	674366			0.00- 72.90	23.87
14.999	14.999 (1.082)	55	659557			0.00- 75.66	23.34
96 2-Heptanone					CAS #: 110-43-0		
21.966	21.966 (1.584)	58	1498222	50.0000	67.450	80.00- 120.00	100.00
21.966	21.966 (1.584)	43	2089626			89.74- 189.74	139.47
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	357913	50.0000	55.554	80.00- 120.00	100.00
15.801	15.801 (1.011)	41	242656			33.56- 133.56	67.80
15.801	15.801 (1.011)	43	184494			13.25- 113.25	51.55
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	949314	50.0000	62.430	80.00- 120.00	100.00
19.533	19.533 (1.249)	73	386537			0.00- 90.72	40.72
19.533	19.533 (1.249)	43	2147265			176.19- 276.19	226.19
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	839726	50.0000	51.897	80.00- 120.00	100.00
22.741	22.741 (1.093)	98	429311			0.12- 100.12	51.13
22.741	22.741 (1.093)	42	544268			12.50- 112.50	64.81
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.543	23.543 (1.132)	57	2863217	50.0000	64.228	80.00- 120.00	100.00
23.570	23.570 (1.133)	85	2715599			44.84- 144.84	94.84
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Report Date: 21-Feb-2008 14:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022104.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/21Feb2008.b/t14q206b.m
Misc Info: 200ppbv -> 50(300 MeOH)ppbv

Calibration Date: 21-FEB-2008
Calibration Time: 11:03
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	312258	187355	437161	312258	0.00
97 1,4-Difluorobenze	1266888	760133	1773643	1266888	0.00
126 Chlorobenzene-d5	1159473	695684	1623262	1159473	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	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.

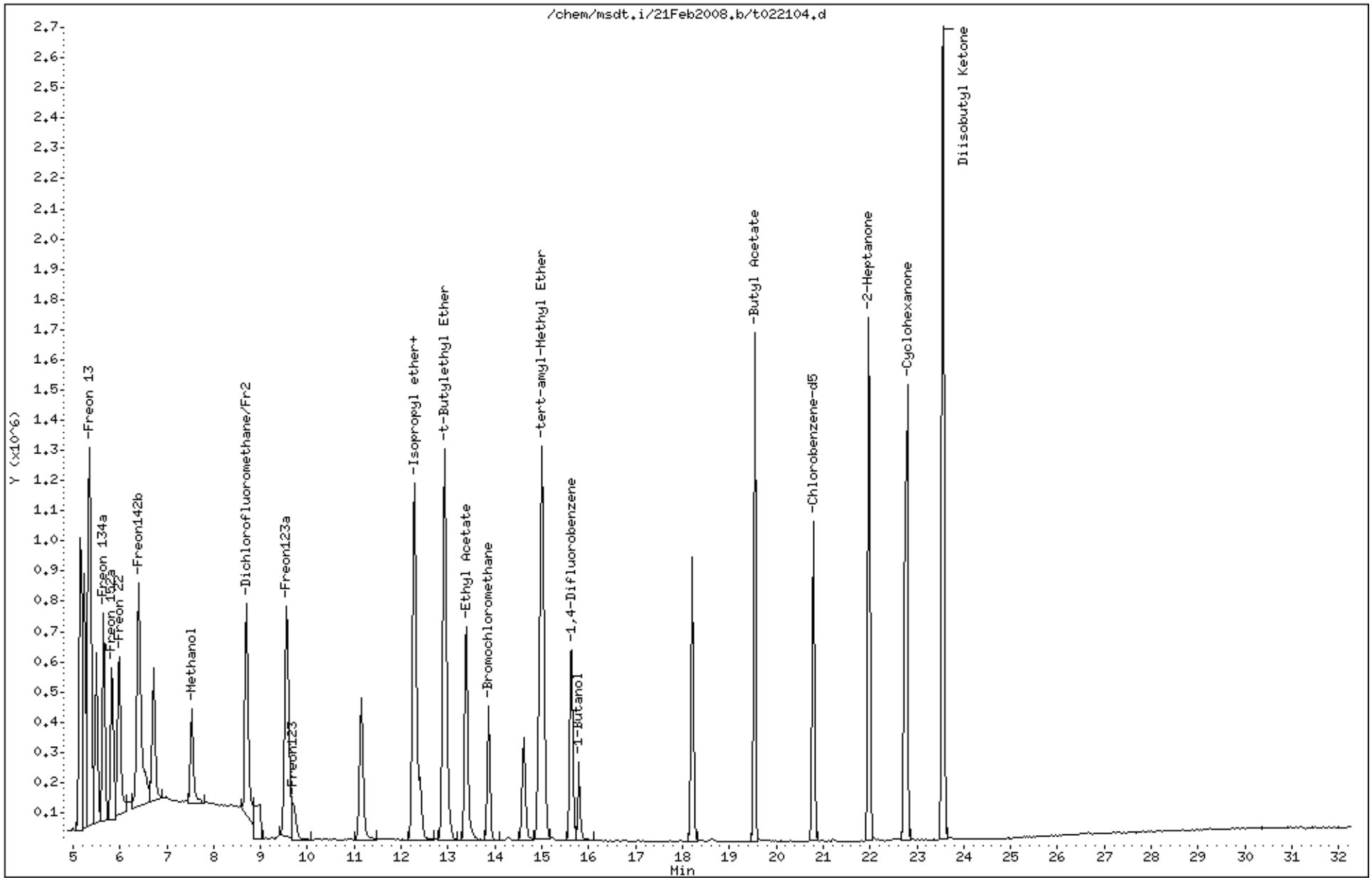
0132

Data File: /chem/msdt.i/21Feb2008.b/t022104.d
Date : 21-FEB-2008 11:03
Client ID: Level 5
Sample Info: 50ml #1576-299

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020611.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 06-FEB-2008 17:13
Operator : sjr Inst ID: msdt.i
Smp Info : 50ml #1576-261
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 17:13 Cal File: t020611.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		
13.886	13.886 (1.000)	130	355997	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	270515			25.99- 125.99	75.99
13.858	13.858 (1.000)	49	620343			124.26- 224.26	174.26
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1372567	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	218941			0.00- 65.95	15.95
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1227265	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	689313			6.72- 106.72	56.17
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	583879	25.0000	25.489	80.00- 120.00	100.00
14.936	14.936 (1.076)	67	331459			3.57- 103.57	56.77
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1318253	25.0000	24.933	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	152530			0.00- 61.29	11.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	907157			18.71- 118.71	68.82
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	802647	25.0000	25.285	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	997548			74.28- 174.28	124.28
22.789	22.789 (1.096)	176	784103			47.69- 147.69	97.69
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	568844	50.0000	48.853	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	386786			17.96- 117.96	68.00
5.812	5.812 (0.419)	39	460707			33.44- 133.44	80.99
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	3662828	50.0000	52.692	80.00- 120.00	100.00
5.895	5.895 (0.425)	87	1170633			0.00- 82.13	31.96
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.452)	135	2368790	50.0000	51.549	80.00- 120.00	100.00
6.282	6.282 (0.452)	137	767760			0.00- 81.89	32.41
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	736532	50.0000	48.532	80.00- 120.00	100.00
6.531	6.531 (0.470)	52	242289			0.00- 83.62	32.90
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.494)	62	1053090	50.0000	50.541	80.00- 120.00	100.00
6.863	6.863 (0.494)	64	342558			0.00- 89.61	32.53
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	811723	50.0000	51.767	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	793975			53.33- 153.33	97.81
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.570)	94	1033071	50.0000	50.075	80.00- 120.00	100.00
7.913	7.913 (0.570)	96	968870			43.79- 143.79	93.79
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	574342	50.0000	52.853	80.00- 120.00	100.00
8.162	8.162 (0.588)	49	147684			0.00- 76.71	25.71
8.162	8.162 (0.588)	66	193610			0.00- 83.02	33.71
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.632)	101	4148660	50.0000	52.718	80.00- 120.00	100.00
8.771	8.771 (0.632)	103	2679418			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		
9.241	9.241 (0.665)	45	322418	50.0000	53.549	80.00- 120.00	100.00
9.241	9.241 (0.665)	43	79459			0.00- 75.24	24.64
9.241	9.241 (0.665)	46	120478			0.00- 89.78	37.37
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	1858487	50.0000	51.288	80.00- 120.00	100.00
9.960	9.960 (0.717)	153	1188101			13.93- 113.93	63.93
9.960	9.960 (0.717)	101	2437243			81.14- 181.14	131.14
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	1737278	50.0000	53.263	80.00- 120.00	100.00
10.042	10.042 (0.723)	96	1039511			9.84- 109.84	59.84
10.042	10.042 (0.723)	98	667871			0.00- 88.44	38.44
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.733)	58	537852	50.0000	53.208	80.00- 120.00	100.00
10.181	10.181 (0.733)	43	1662243			267.82- 367.82	309.05
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	1866517	50.0000	53.880	80.00- 120.00	100.00
10.374	10.374 (0.747)	43	458202			0.00- 76.64	24.55
10.374	10.374 (0.747)	59	78354			0.00- 54.31	4.20
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	3176334	50.0000	51.484	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	554160	50.0000	52.162	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1242594			173.84- 273.84	224.23
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.799)	49	1027528	50.0000	49.819	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	915087			39.06- 139.06	89.06
11.093	11.093 (0.799)	51	342626			0.00- 83.83	33.34
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	3731089	50.0000	63.014	80.00- 120.00	100.00
11.453	11.453 (0.825)	57	708379			0.00- 68.99	18.99
11.453	11.453 (0.825)	41	693527			0.00- 70.47	18.59
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1318462	50.0000	54.393	80.00- 120.00	100.00
11.536	11.536 (0.831)	61	1860568			91.12- 191.12	141.12
11.563	11.563 (0.833)	98	850578			16.26- 116.26	64.51

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	1840132	50.0000	57.528	80.00- 120.00	100.00
11.895	11.895 (0.857)	43	1061185			9.30- 109.30	57.67
11.895	11.895 (0.857)	86	329230			0.00- 66.83	17.89
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	325069	50.0000	51.835	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2991357			832.23- 932.23	920.22
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.890)	63	2472619	50.0000	55.250	80.00- 120.00	100.00
12.365	12.365 (0.890)	65	805934			0.00- 82.59	32.59
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	626587	50.0000	55.030	80.00- 120.00	100.00
13.388	13.388 (0.964)	43	2118345			288.08- 388.08	338.08
13.388	13.388 (0.964)	57	187831			0.00- 79.56	29.98
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	1679389	50.0000	55.770	80.00- 120.00	100.00
13.416	13.416 (0.966)	96	1321033			28.66- 128.66	78.66
13.416	13.416 (0.966)	98	843715			0.24- 100.24	50.24
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	1094094	50.0000	56.969	80.00- 120.00	100.00
13.858	13.858 (0.998)	71	585510			3.52- 103.52	53.52
13.858	13.858 (0.998)	72	623609			2.04- 102.04	57.00
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	2945710	50.0000	56.971	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	1913887			14.97- 114.97	64.97
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.028)	97	3172686	50.0000	55.477	80.00- 120.00	100.00
14.273	14.273 (1.028)	99	2055059			14.77- 114.77	64.77
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	1715824	50.0000	56.032	80.00- 120.00	100.00
14.300	14.300 (1.030)	56	1705812			49.42- 149.42	99.42
14.300	14.300 (1.030)	41	887756			1.74- 101.74	51.74
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	3035706	50.0000	55.259	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	3225264			56.24- 156.24	106.24
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	3727114	50.0000	54.318	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)							
14.964	14.964 (0.958)	77	840170			0.00- 73.50	22.54
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	4124554	50.0000	55.242	80.00- 120.00	100.00
14.881	14.881 (1.072)	56	1342557			0.00- 82.82	32.55
14.881	14.881 (1.072)	41	1097372			0.00- 78.43	26.61
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	1854128	50.0000	55.386	80.00- 120.00	100.00
15.075	15.075 (0.965)	64	600236			0.00- 84.23	32.37
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1090153	50.0000	56.126	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1492099			85.70- 185.70	136.87
15.185	15.185 (0.972)	57	911942			28.72- 128.72	83.65
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1644017	50.0000	55.940	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1508329			41.75- 141.75	91.75
16.098	16.098 (1.030)	97	1036281			13.03- 113.03	63.03
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1288303	50.0000	55.647	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	908468			20.52- 120.52	70.52
16.568	16.568 (1.060)	41	703834			4.63- 104.63	54.63
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	896963	50.0000	52.930	80.00- 120.00	100.00
16.678	16.678 (1.067)	58	524585			8.48- 108.48	58.48
16.706	16.706 (1.069)	57	181915			0.00- 71.19	20.28
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	2950939	50.0000	56.106	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1891495			14.10- 114.10	64.10
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	2032815	50.0000	57.623	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	657095			0.00- 82.32	32.32
17.784	17.784 (1.138)	39	911517			0.00- 94.84	44.84
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	959360	50.0000	59.852	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2178902			175.34- 275.34	227.12
17.978	17.978 (1.150)	85	471816			0.64- 100.64	49.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	4068135	50.0000	55.602	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2482867			11.03- 111.03	61.03
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	2215353	50.0000	57.114	80.00- 120.00	100.00
18.752	18.752 (0.902)	77	703689			0.00- 81.76	31.76
18.752	18.752 (0.902)	39	903343			0.00- 90.78	40.78
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1575767	50.0000	56.367	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	1008005			13.97- 113.97	63.97
19.111	19.111 (0.919)	83	1339264			34.99- 134.99	84.99
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	2101247	50.0000	56.093	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1460862			19.52- 119.52	69.52
19.277	19.277 (0.927)	131	1379543			15.65- 115.65	65.65
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	1325035	50.0000	56.604	80.00- 120.00	100.00
19.416	19.416 (0.934)	43	2195972			115.73- 215.73	165.73
19.416	19.416 (0.934)	100	272545			0.00- 71.71	20.57
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2769035	50.0000	58.173	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	2123510			28.82- 128.82	76.69
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	2561313	50.0000	57.601	80.00- 120.00	100.00
20.052	20.052 (0.964)	109	2365543			42.36- 142.36	92.36
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	3537203	50.0000	54.809	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	1102906			0.00- 81.18	31.18
20.853	20.853 (1.003)	77	2193657			12.02- 112.02	62.02
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1881257	50.0000	56.260	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	6033553			269.96- 369.96	320.72
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	2414591	50.0000	57.344	80.00- 120.00	100.00
21.130	21.130 (1.016)	91	4867839			149.87- 249.87	201.60
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	2294486	50.0000	57.285	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)							
21.849	21.849 (1.051)	91	4831196			160.56- 260.56	210.56
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	3731947	50.0000	60.816	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1927539			1.65- 101.65	51.65
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2955362	50.0000	57.842	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1502352			0.83- 100.83	50.83
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	6407360	50.0000	57.992	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	1652751			0.00- 77.62	25.79
22.429	22.429 (1.078)	51	552478			0.00- 58.75	8.62
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	3607778	50.0000	56.152	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	2344026			14.97- 114.97	64.97
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	8205341	50.0000	57.289	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1793463			0.00- 71.63	21.86
23.121	23.121 (1.112)	105	296421			0.00- 53.71	3.61
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	7178250	50.0000	58.874	80.00- 120.00	100.00
23.287	23.287 (1.120)	120	2114319			0.00- 79.45	29.45
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	5894923	50.0000	56.678	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	2902725			0.00- 98.23	49.24
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	5651142	50.0000	57.660	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	2609535			0.00- 94.91	46.18
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3854517	50.0000	54.719	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	2445415			14.68- 114.68	63.44
24.586	24.586 (1.182)	111	1597557			0.00- 91.36	41.45
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	3989830	50.0000	55.044	80.00- 120.00	100.00
24.724	24.724 (1.189)	148	2558342			16.09- 116.09	64.12
24.724	24.724 (1.189)	111	1588487			0.00- 90.13	39.81

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	6094704	50.0000	58.156	80.00- 120.00	100.00
24.945	24.945 (1.199)	126	1159566			0.00- 69.28	19.03
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	3731728	50.0000	54.382	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	2389973			14.04- 114.04	64.04
25.360	25.360 (1.219)	111	1609999			0.00- 93.14	43.14
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2605257	50.0000	49.778	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	2481668			45.26- 145.26	95.26
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	2507104	50.0000	47.598	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	1586646			12.90- 112.90	63.29
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	3679681	50.0000	50.798	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	456187			0.00- 62.74	12.40
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1202086	50.0000	52.229	80.00- 120.00	100.00
8.273	8.273 (0.596)	57	925144			27.67- 127.67	76.96
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.490)	58	202494	50.0000	50.813	80.00- 120.00	100.00
6.807	6.807 (0.490)	43	1448086			666.74- 766.74	715.13
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	2027281	50.0000	55.915	80.00- 120.00	100.00
16.347	16.347 (1.177)	98	929334			0.00- 95.22	45.84
16.347	16.347 (1.177)	55	1420992			20.82- 120.82	70.09
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.148	11.148 (0.803)	59	2143464	50.0000	56.780	80.00- 120.00	100.00
11.148	11.148 (0.803)	41	454380			0.00- 72.85	21.20
11.148	11.148 (0.803)	57	220666			0.00- 59.93	10.29

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020611.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 17:13
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	355997	213598	498396	355997	0.00
97 1,4-Difluorobenze	1372567	823540	1921594	1372567	0.00
126 Chlorobenzene-d5	1227265	736359	1718171	1227265	0.00

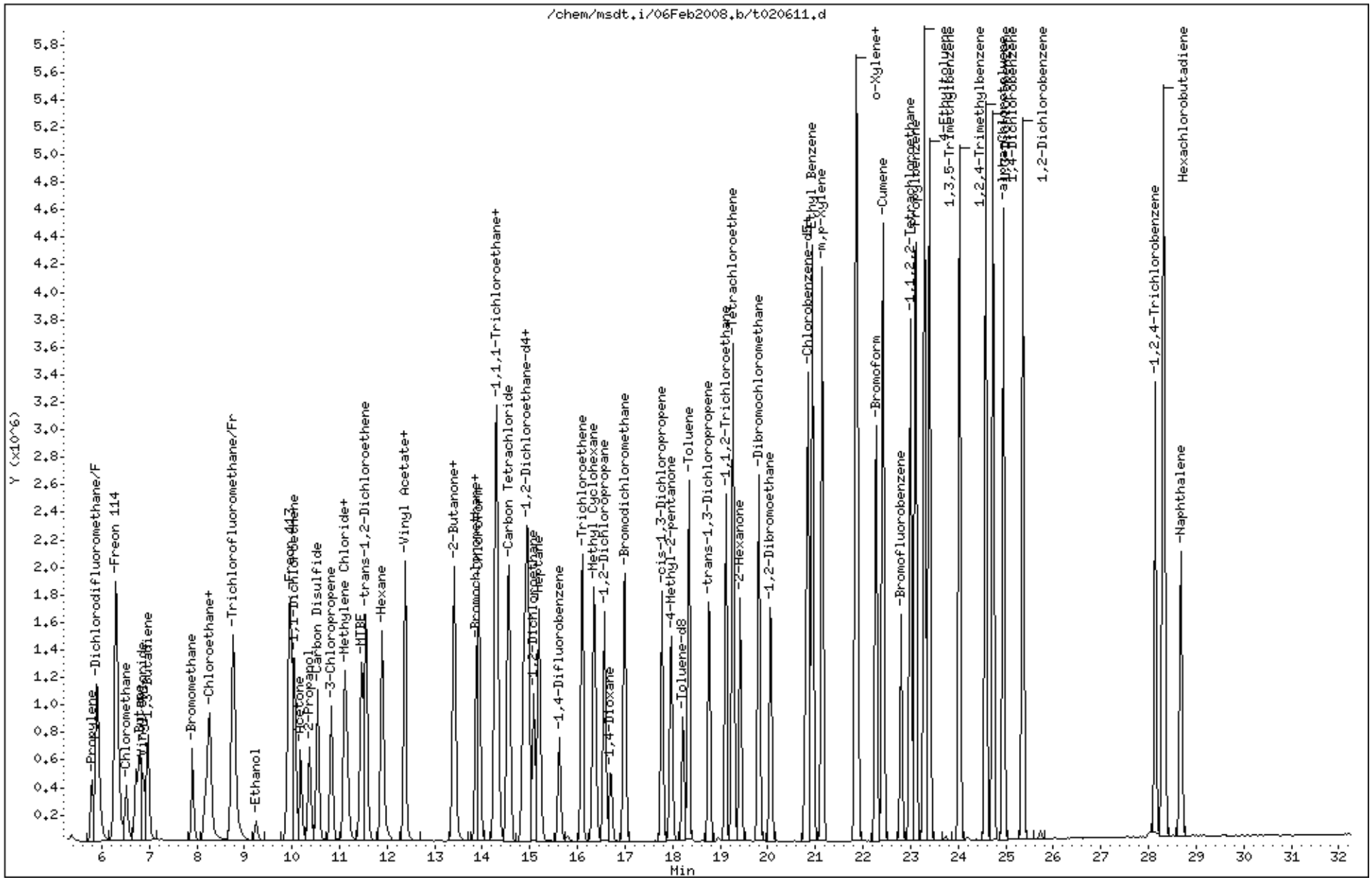
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/06Feb2008.b/t020611.d
Date : 06-FEB-2008 17:13
Client ID: Level 5
Sample Info: 50ml #1576-261

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

Column phase: RTx-624



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/21Feb2008.b/t022109.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 21-FEB-2008 17:00
Operator : ACT Inst ID: msdt.i
Smp Info : 100ml #1576-299
Misc Info : 200ppbv -> 100(600 MeOH)ppbv
Comment :
Method : /chem/msdt.i/21Feb2008.b/t14q206b.m
Meth Date : 21-Feb-2008 17:23 sruth Quant Type: ISTD
Cal Date : 21-FEB-2008 17:00 Cal File: t022109.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	288174	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	220761			26.37- 126.37	76.61
13.865	13.865 (1.000)	49	347475			67.71- 167.71	120.58
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1171320	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	190746			0.00- 66.38	16.28
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1094664	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	635295			7.58- 107.58	58.04
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.464)	65	4107153	100.000	103.68	50.00- 150.00	100.00
6.436	6.436 (0.464)	45	857004			0.00- 71.32	20.87
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.389)	69	4121833	100.000	103.77	50.00- 150.00	100.00
5.394	5.394 (0.389)	85	1350133			0.00- 81.50	32.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.394	5.394 (0.389)	87	420390			0.00- 60.31	10.20
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.409)	83	1821922	100.000	102.81	50.00- 150.00	100.00
5.675	5.675 (0.409)	69	1498909			32.62- 132.62	82.27
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.422)	65	956248	100.000	100.21	50.00- 150.00	100.00
5.844	5.844 (0.422)	51	1646695			127.07- 227.07	172.20
5.844	5.844 (0.422)	47	421265			0.00- 93.51	44.05
17 Freon 22					CAS #: 75-45-6		
6.013	6.013 (0.434)	67	468972	100.000	104.17	50.00- 150.00	100.00
6.013	6.013 (0.434)	51	2312207			463.95- 563.95	493.04
6.013	6.013 (0.434)	85	43026			0.00- 65.76	9.17
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.543)	31	1144222	600.000	475.68	50.00- 150.00	100.00
7.534	7.534 (0.543)	32	937390			65.11- 165.11	81.92
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.745	8.745 (0.631)	67	2763507	100.000	97.618	50.00- 150.00	100.00
8.745	8.745 (0.631)	69	889530			0.00- 82.56	32.19
8.717	8.717 (0.629)	35	151899			0.00- 55.48	5.50
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.691)	67	2203976	100.000	100.92	50.00- 150.00	100.00
9.579	9.579 (0.691)	117	1652565			22.27- 122.27	74.98
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	270148	100.000	105.31	50.00- 150.00	100.00
9.718	9.718 (0.701)	133	48575			0.00- 70.21	17.98
9.579	9.579 (0.691)	85	1081620			280.12- 380.12	400.38
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	5051767	100.000	106.98	50.00- 150.00	100.00
12.289	12.289 (0.886)	87	1583002			0.00- 80.78	31.34
12.289	12.289 (0.886)	59	584960			0.00- 62.00	11.58
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	274499	100.000	110.63	50.00- 150.00	100.00
12.400	12.400 (0.894)	59	409753			82.09- 182.09	149.27
12.289	12.289 (0.886)	41	1051376			321.23- 421.23	383.02
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	5658094	100.000	112.47	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 t-Butylethyl Ether (continued)							
12.925	12.925 (0.932)	87	2427830			0.00- 93.06	42.91
12.925	12.925 (0.932)	41	925298			0.00- 69.68	16.35
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.966)	45	512702	100.000	100.64	50.00- 150.00	100.00
13.395	13.395 (0.966)	61	583515			52.94- 152.94	113.81
13.395	13.395 (0.966)	43	3653067			599.75- 699.75	712.51
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.082)	73	5274523	100.000	110.84	50.00- 150.00	100.00
14.999	14.999 (1.082)	87	1278528			0.00- 73.24	24.24
14.999	14.999 (1.082)	55	1254977			0.00- 75.20	23.79
96 2-Heptanone					CAS #: 110-43-0		
21.966	21.966 (1.584)	58	3028001	100.000	121.23	50.00- 150.00	100.00
21.966	21.966 (1.584)	43	4317169			90.45- 190.45	142.57
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	957040	100.000	125.47	50.00- 150.00	100.00
15.801	15.801 (1.011)	41	635428			29.27- 129.27	66.40
15.801	15.801 (1.011)	43	476111			9.88- 109.88	49.75
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	1853300	100.000	116.48	50.00- 150.00	100.00
19.533	19.533 (1.249)	73	759103			0.00- 93.48	40.96
19.533	19.533 (1.249)	43	4210731			175.62- 275.62	227.20
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	2182811	100.000	120.34	50.00- 150.00	100.00
22.741	22.741 (1.093)	98	1114420			0.39- 100.39	51.05
22.741	22.741 (1.093)	42	1409787			13.24- 113.24	64.59
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.542	23.542 (1.132)	57	5714491	100.000	118.25	50.00- 150.00	100.00
23.570	23.570 (1.133)	85	5408511			45.10- 145.10	94.65
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Report Date: 21-Feb-2008 17:23

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022109.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ACT
Method File: /chem/msdt.i/21Feb2008.b/t14q206b.m
Misc Info: 200ppbv -> 100(600 MeOH)ppbv

Calibration Date: 21-FEB-2008
Calibration Time: 14:36
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	318158	190895	445421	288174	-9.42
97 1,4-Difluorobenze	1251468	750881	1752055	1171320	-6.40
126 Chlorobenzene-d5	1150991	690595	1611387	1094664	-4.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.61	15.28	15.94	15.63	0.18
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	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.

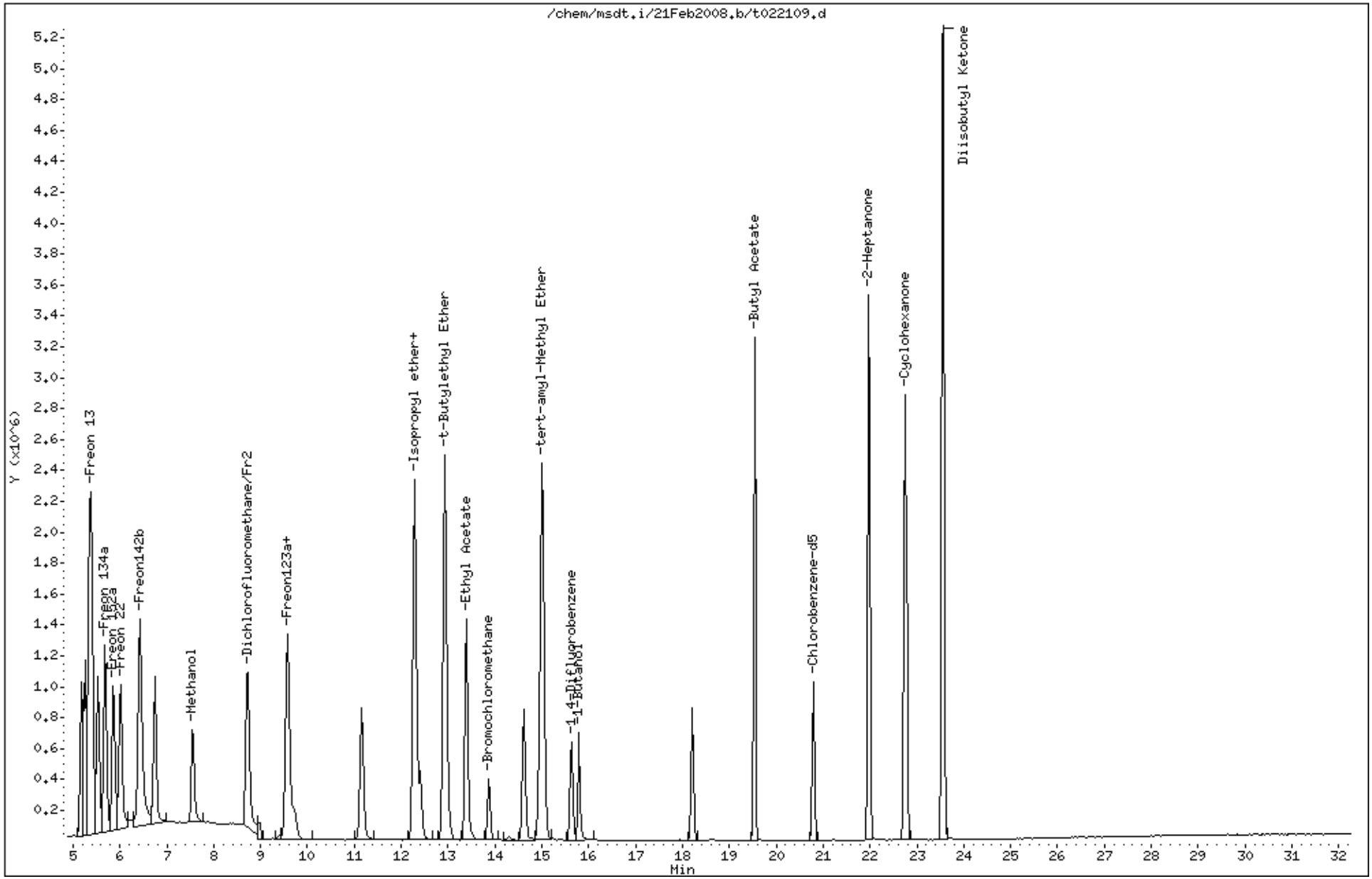
0147

Data File: /chem/msdt.i/21Feb2008.b/t022109.d
Date : 21-FEB-2008 17:00
Client ID: Level 6
Sample Info: 100ml #1576-299

Instrument: msdt.i

Operator: ACT
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020612.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 06-FEB-2008 17:51
Operator : sjr Inst ID: msdt.i
Smp Info : 100ml #1576-261
Misc Info : 200ppbv -> 100ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 17:51 Cal File: t020612.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		
13.886	13.886 (1.000)	130	351121	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	271306			26.39- 126.39	77.27
13.886	13.886 (1.000)	49	815040			99.95- 199.95	232.13
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1413120	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	227247			0.00- 66.12	16.08
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1281401	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	729950			6.72- 106.72	56.96
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	598616	25.0000	26.495	50.00- 150.00	100.00
14.936	14.936 (1.076)	67	374153			3.57- 103.57	62.50
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1378362	25.0000	25.322	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	155982			0.00- 61.29	11.32

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	950822			18.71- 118.71	68.98
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	834025	25.0000	25.163	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	1057330			75.58- 175.58	126.77
22.789	22.789 (1.096)	176	808445			47.41- 147.41	96.93
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	1111571	100.000	96.790	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	742893			17.96- 117.96	66.83
5.812	5.812 (0.419)	39	910586			33.44- 133.44	81.92
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	7101370	100.000	103.58	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	2261049			0.00- 82.13	31.84
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	4672190	100.000	103.09	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	1488571			0.00- 81.89	31.86
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	1551411	100.000	103.64	50.00- 150.00	100.00
6.559	6.559 (0.472)	52	504098			0.00- 83.62	32.49
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	2106034	100.000	102.48	50.00- 150.00	100.00
6.890	6.890 (0.496)	64	674245			0.00- 89.61	32.01
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	1598698	100.000	103.37	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	1537145			53.33- 153.33	96.15
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.570)	94	2093115	100.000	102.87	50.00- 150.00	100.00
7.913	7.913 (0.570)	96	1963372			43.69- 143.69	93.80
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	1136847	100.000	106.07	50.00- 150.00	100.00
8.190	8.190 (0.590)	49	285724			0.00- 76.71	25.13
8.190	8.190 (0.590)	66	371225			0.00- 83.02	32.65
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	7920716	100.000	102.05	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	5133859			13.52- 113.52	64.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.665)	45	613723	100.000	103.34	50.00- 150.00	100.00
9.241	9.241 (0.665)	43	142073			0.00- 75.24	23.15
9.241	9.241 (0.665)	46	227563			0.00- 89.78	37.08
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	3629218	100.000	101.54	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	2313395			14.28- 114.28	63.74
9.960	9.960 (0.717)	101	4699952			80.55- 180.55	129.50
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	3447769	100.000	107.17	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	2078953			13.15- 113.15	60.30
10.042	10.042 (0.723)	98	1334772			0.00- 88.14	38.71
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	994047	100.000	99.703	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	3108431			267.82- 367.82	312.70
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	3640217	100.000	106.54	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	863734			0.00- 76.64	23.73
10.374	10.374 (0.747)	59	147169			0.00- 54.31	4.04
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	6420269	100.000	105.51	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	1094455	100.000	104.45	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	2383503			173.84- 273.84	217.78
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	2036666	100.000	100.12	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	1809101			36.08- 136.08	88.83
11.121	11.121 (0.801)	51	661270			0.00- 83.83	32.47
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	7138212	100.000	122.23	50.00- 150.00	100.00
11.480	11.480 (0.827)	57	1352795			0.00- 69.02	18.95
11.480	11.480 (0.827)	41	1292674			0.00- 70.47	18.11
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	2556418	100.000	106.93	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	3579783			95.77- 195.77	140.03
11.563	11.563 (0.833)	98	1640927			16.26- 116.26	64.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	3632485	100.000	115.14	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	2065967			9.30- 109.30	56.87
11.923	11.923 (0.859)	86	658618			0.00- 66.83	18.13
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	672864	100.000	108.78	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	6026628			832.23- 932.23	895.67
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	4709578	100.000	106.69	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	1524086			0.00- 82.79	32.36
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	1295858	100.000	115.39	50.00- 150.00	100.00
13.388	13.388 (0.964)	43	4285726			275.22- 375.22	330.72
13.388	13.388 (0.964)	57	374753			0.00- 79.56	28.92
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	3264442	100.000	109.91	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	2561204			27.39- 127.39	78.46
13.443	13.443 (0.968)	98	1649626			0.96- 100.96	50.53
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	2158829	100.000	113.97	50.00- 150.00	100.00
13.858	13.858 (0.998)	71	1140379			0.00- 99.16	52.82
13.858	13.858 (0.998)	72	1229303			2.04- 102.04	56.94
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	5696174	100.000	111.70	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	3706989			16.43- 116.43	65.08
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	6204791	100.000	110.00	50.00- 150.00	100.00
14.300	14.300 (1.030)	99	3996930			17.45- 117.45	64.42
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	3475704	100.000	115.08	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	3413020			47.55- 147.55	98.20
14.300	14.300 (1.030)	41	1767727			5.12- 105.12	50.86
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	5873936	100.000	108.41	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	6261936			53.78- 153.78	106.61
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	7425750	100.000	105.12	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	91 Benzene (continued)						
14.964	14.964 (0.958)	77	1684308			0.00- 73.50	22.68
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.881	14.881 (1.072)	57	8406637	100.000	114.16	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	2694876			0.00- 82.82	32.06
14.881	14.881 (1.072)	41	2162132			0.00- 78.43	25.72
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.075	15.075 (0.965)	62	3636322	100.000	105.51	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	1159994			0.00- 84.23	31.90
	94 Heptane				CAS #: 142-82-5		
15.185	15.185 (0.972)	71	2253769	100.000	112.70	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	3040625			85.70- 185.70	134.91
15.185	15.185 (0.972)	57	1858665			28.72- 128.72	82.47
	101 Trichloroethene				CAS #: 79-01-6		
16.098	16.098 (1.030)	95	3240461	100.000	107.10	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	3002867			42.94- 142.94	92.67
16.098	16.098 (1.030)	97	2081303			13.25- 113.25	64.23
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.568	16.568 (1.060)	63	2564982	100.000	107.61	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	1813519			21.32- 121.32	70.70
16.568	16.568 (1.060)	41	1389352			8.96- 108.96	54.17
	106 1,4-Dioxane				CAS #: 123-91-1		
16.706	16.706 (1.069)	88	1832861	100.000	105.05	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	1060731			9.36- 109.36	57.87
16.706	16.706 (1.069)	57	366016			0.00- 71.19	19.97
	107 Bromodichloromethane				CAS #: 75-27-4		
17.010	17.010 (1.088)	83	5845831	100.000	107.96	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	3735941			13.51- 113.51	63.91
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	4117666	100.000	113.37	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	1315173			0.00- 84.89	31.94
17.784	17.784 (1.138)	39	1808488			0.00- 97.13	43.92
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.978	17.978 (1.150)	58	1980151	100.000	119.99	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	4495780			175.34- 275.34	227.04
17.978	17.978 (1.150)	85	994822			0.64- 100.64	50.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	8178178	100.000	108.57	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	5020495			11.62- 111.62	61.39
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	4461556	100.000	110.16	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	1428254			0.00- 81.86	32.01
18.752	18.752 (0.902)	39	1829158			0.00- 91.58	41.00
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	3125317	100.000	107.07	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	1954568			13.21- 113.21	62.54
19.111	19.111 (0.919)	83	2655080			35.76- 135.76	84.95
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	4180011	100.000	106.87	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	2861461			19.36- 119.36	68.46
19.277	19.277 (0.927)	131	2744125			16.43- 116.43	65.65
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	2723514	100.000	111.43	50.00- 150.00	100.00
19.416	19.416 (0.934)	43	4527762			124.96- 224.96	166.25
19.416	19.416 (0.934)	100	574524			0.00- 71.71	21.09
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	5492645	100.000	110.52	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	4234044			28.82- 128.82	77.09
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.052 (0.964)	107	5153001	100.000	110.99	50.00- 150.00	100.00
20.052	20.052 (0.964)	109	4771126			46.68- 146.68	92.59
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	7115170	100.000	105.59	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	2236590			0.00- 82.06	31.43
20.853	20.853 (1.003)	77	4380652			22.53- 122.53	61.57
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	3790191	100.000	108.56	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	12275568			269.96- 369.96	323.88
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	4888391	100.000	111.19	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	9871195			149.87- 249.87	201.93
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	4653159	100.000	111.26	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	9908020			160.81- 260.81	212.93
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	7633035	100.000	119.13	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	3882867			9.02- 109.02	50.87
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	5972775	100.000	111.96	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	3039652			1.83- 101.83	50.89
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	13155481	100.000	114.04	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	3375500			0.00- 77.62	25.66
22.429	22.429 (1.078)	51	1109718			0.00- 58.75	8.44
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	7307878	100.000	108.94	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	4726894			16.89- 116.89	64.68
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	16695425	100.000	111.64	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	3572151			0.00- 71.63	21.40
23.121	23.121 (1.112)	105	593757			0.00- 53.71	3.56
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	14420605	100.000	113.28	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	4223785			0.00- 79.69	29.29
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	12029525	100.000	110.77	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	5822272			0.00- 98.23	48.40
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	11520943	100.000	112.58	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	5255599			0.00- 94.91	45.62
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	7765843	100.000	105.59	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	4936822			14.68- 114.68	63.57
24.586	24.586 (1.182)	111	3180420			0.00- 91.36	40.95
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	8019783	100.000	105.97	50.00- 150.00	100.00
24.724	24.724 (1.189)	148	5124641			16.09- 116.09	63.90
24.724	24.724 (1.189)	111	3205038			0.00- 90.13	39.96

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	12583883	100.000	115.00	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	2367422			0.00- 69.28	18.81
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	7525703	100.000	105.04	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	4832431			15.85- 115.85	64.21
25.360	25.360 (1.219)	111	3270866			0.00- 94.46	43.46
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	5462712	100.000	99.966	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	5139467			44.78- 144.78	94.08
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	5122789	100.000	93.148	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	3213957			12.90- 112.90	62.74
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	7794932	100.000	103.06	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	944387			0.00- 62.74	12.12
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	2307164	100.000	101.64	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	1786691			27.67- 127.67	77.44
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.490)	58	400970	100.000	102.02	50.00- 150.00	100.00
6.807	6.807 (0.490)	43	2768800			666.74- 766.74	690.53
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	4123768	100.000	115.32	50.00- 150.00	100.00
16.347	16.347 (1.177)	98	1845682			0.00- 95.22	44.76
16.347	16.347 (1.177)	55	2869124			20.82- 120.82	69.58
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.176	11.176 (0.805)	59	3860609	100.000	103.69	50.00- 150.00	100.00
11.148	11.148 (0.803)	41	796567			0.00- 72.85	20.63
11.176	11.176 (0.805)	57	392034			0.00- 59.93	10.15

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020612.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 100ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 17:13
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	355997	213598	498396	351121	-1.37
97 1,4-Difluorobenze	1372567	823540	1921594	1413120	2.95
126 Chlorobenzene-d5	1227265	736359	1718171	1281401	4.41

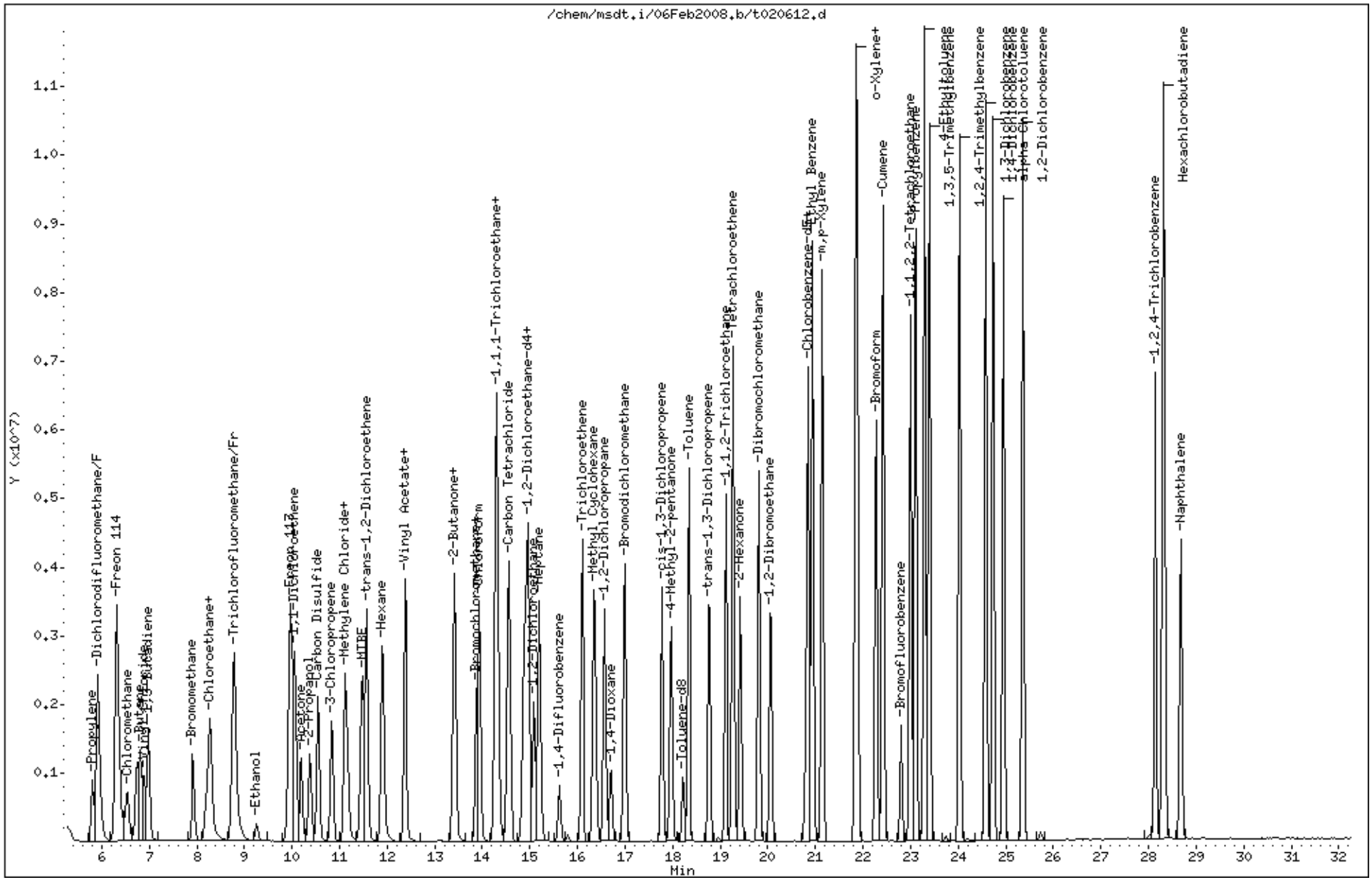
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/06Feb2008.b/t020612.d
Date : 06-FEB-2008 17:51
Client ID: Level 6
Sample Info: 100ml #1576-261

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

Column phase: RTx-624



0157

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Feb2008.b/t022806.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 28-FEB-2008 15:24
Operator : sjr Inst ID: msdt.i
Smp Info : 200ml #1576-304
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/28Feb2008.b/t14q206c.m
Meth Date : 28-Feb-2008 16:07 sruth Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp12c.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		
13.886	13.886 (1.000)	130	307559	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	238348			26.19- 126.19	77.50
13.858	13.858 (1.000)	49	374513			67.56- 167.56	121.77
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1161608	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	189206			0.00- 66.34	16.29
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1101886	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	634798			7.65- 107.65	57.61
21 Isobutane					CAS #: 75-28-5		
6.337	6.337 (0.456)	43	4129108	200.000	167.56	50.00- 150.00	100.00(A)
6.337	6.337 (0.456)	42	1383130			0.00- 86.63	33.50
6.337	6.337 (0.456)	58	120715			0.00- 52.93	2.92
35 1-Pentene					CAS #: 109-67-1		
8.798	8.798 (0.634)	55	2773068	200.000	157.34	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
35 1-Pentene (continued)							
8.798	8.798 (0.634)	42	2956684			56.59- 156.59	106.62
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.904	9.904 (0.713)	55	790730	200.000	140.75	50.00- 150.00	100.00(A)
9.904	9.904 (0.713)	56	1112318			92.43- 192.43	140.67
48 Ethyl acrylate					CAS #: 140-88-5		
16.153	16.153 (1.034)	99	529742	200.000	194.76	50.00- 150.00	100.00(A)
16.153	16.153 (1.034)	45	512086			60.54- 160.54	96.67
16.153	16.153 (1.034)	55	6089802			1235.80-1335.80	1149.58
49 Iodomethane					CAS #: 74-88-4		
10.429	10.429 (0.751)	142	7275968	200.000	169.31	50.00- 150.00	100.00(A)
10.429	10.429 (0.751)	127	3271921			0.00- 95.19	44.97
50 Methyl Methacrylate					CAS #: 80-62-6		
16.568	16.568 (1.060)	41	3530839	200.000	179.91	50.00- 150.00	100.00(A)
16.568	16.568 (1.060)	69	3333359			45.56- 145.56	94.41
16.568	16.568 (1.060)	100	1277841			0.00- 82.77	36.19
52 Acetonitrile					CAS #: 75-05-8		
10.899	10.899 (0.785)	40	1020218	200.000	149.70	50.00- 150.00	100.00(A)
10.899	10.899 (0.785)	41	1905016			146.13- 246.13	186.73
10.899	10.899 (0.785)	38	277597			0.00- 78.90	27.21
56 Cyclopentane					CAS #: 287-92-3		
11.121	11.121 (0.801)	70	1881903	200.000	159.04	50.00- 150.00	100.00(A)
11.121	11.121 (0.801)	55	2221255			66.73- 166.73	118.03
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
62 Acrylonitrile					CAS #: 107-13-1		
11.646	11.646 (0.839)	53	1907047	200.000	148.75	50.00- 150.00	100.00(A)
11.646	11.646 (0.839)	52	1551375			38.74- 138.74	81.35
63 2-Pentanone					CAS #: 107-87-9		
16.374	16.374 (1.048)	43	6457349	200.000	179.06	50.00- 150.00	100.00(A)
16.374	16.374 (1.048)	58	579021			0.00- 58.83	8.97
16.374	16.374 (1.048)	86	1437686			0.00- 71.75	22.26
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.849)	55	1930141	200.000	168.92	50.00- 150.00	100.00(A)
11.784	11.784 (0.849)	41	2712816			98.04- 198.04	140.55
11.784	11.784 (0.849)	84	883820			0.00- 96.48	45.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
105 Dibromomethane					CAS #: 74-95-3		
16.789	16.789 (1.074)	174	3539887	200.000	170.30	50.00- 150.00	100.00(A)
16.789	16.789 (1.074)	93	3693104			55.32- 155.32	104.33
16.789	16.789 (1.074)	95	3059791			35.19- 135.19	86.44

QC Flag Legend

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

Report Date: 28-Feb-2008 16:07

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022806.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/28Feb2008.b/t14q206c.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 28-FEB-2008
Calibration Time: 14:33
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	284844	170906	398782	307559	7.97
97 1,4-Difluorobenze	1138044	682826	1593262	1161608	2.07
126 Chlorobenzene-d5	1084863	650918	1518808	1101886	1.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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.

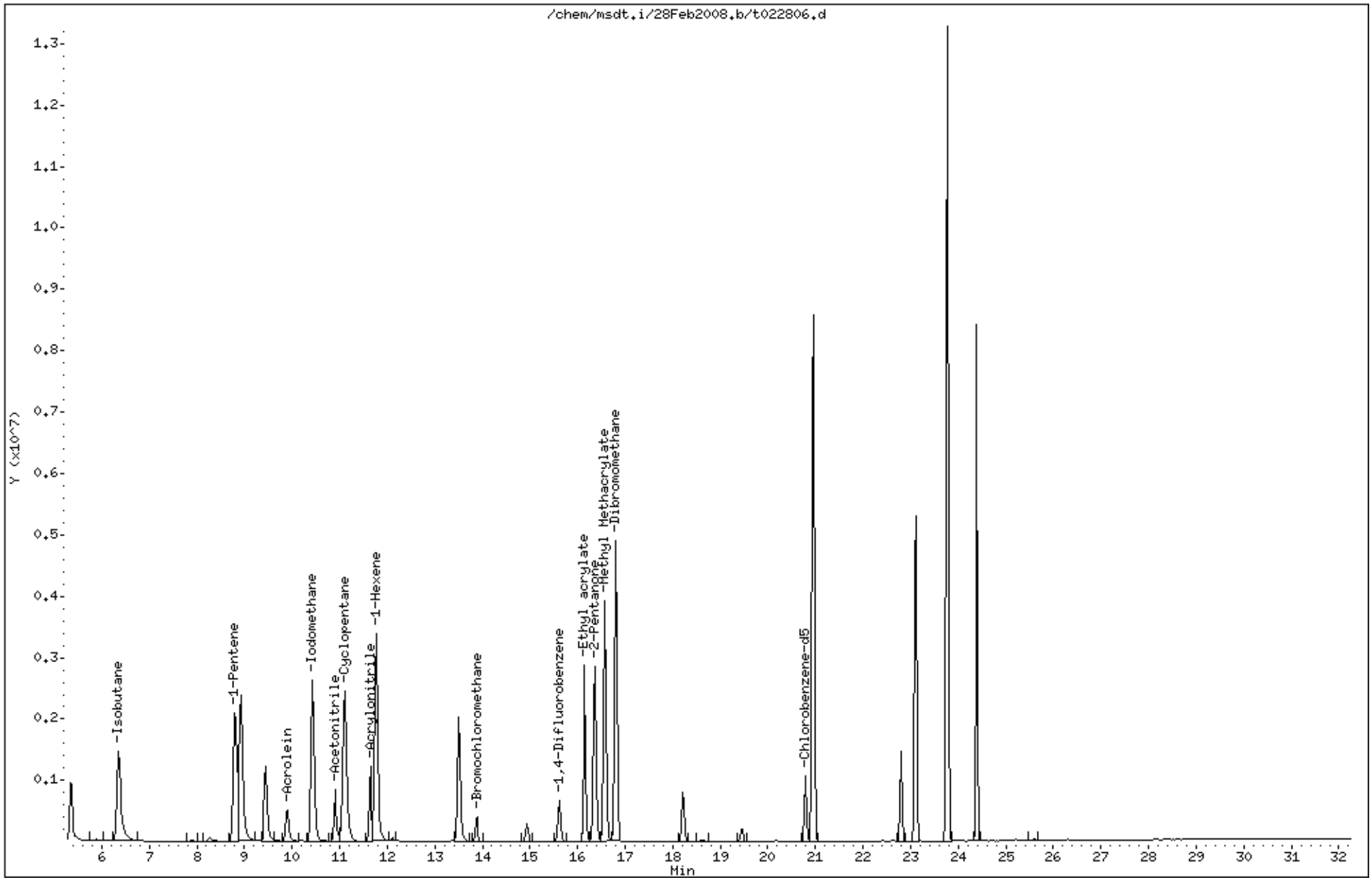
0162

Data File: /chem/msdt.i/28Feb2008.b/t022806.d
Date : 28-FEB-2008 15:24
Client ID: Level 7
Sample Info: 200ml #1576-304

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/21Feb2008.b/t022105.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 21-FEB-2008 12:05
Operator : sjr Inst ID: msdt.i
Smp Info : 200ml #1576-299
Misc Info : 200ppbv -> 200(1200 MeOH)ppbv
Comment :
Method : /chem/msdt.i/21Feb2008.b/t14q206b.m
Meth Date : 21-Feb-2008 14:28 sruth Quant Type: ISTD
Cal Date : 21-FEB-2008 12:05 Cal File: t022105.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.865	13.865 (1.000)	130	269864	25.0000		50.00- 150.00	100.00
13.865	13.865 (1.000)	128	209729			26.48- 126.48	77.72
13.865	13.865 (1.000)	49	322466			86.30- 186.30	119.49
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	1144695	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	194086			0.00- 66.34	16.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	1083328	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	629336			7.40- 107.40	58.09
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.464)	65	8148778	200.000	221.71	50.00- 150.00	100.00(A)
6.436	6.436 (0.464)	45	1691785			0.00- 71.47	20.76
9 Freon 13					CAS #: 75-72-9		
5.422	5.422 (0.391)	69	8146947	200.000	221.11	50.00- 150.00	100.00(A)
5.422	5.422 (0.391)	85	2570358			0.00- 81.18	31.55

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13 (continued)							
5.422	5.422 (0.391)	87	814934			0.00- 60.34	10.00
13 Freon 134a					CAS #: 811-97-2		
5.703	5.703 (0.411)	83	3723939	200.000	225.99	50.00- 150.00	100.00(A)
5.703	5.703 (0.411)	69	3069798			32.70- 132.70	82.43
15 Freon 152a					CAS #: 75-37-6		
5.872	5.872 (0.424)	65	2003615	200.000	224.33	50.00- 150.00	100.00(A)
5.872	5.872 (0.424)	51	3487199			128.28- 228.28	174.05
5.872	5.872 (0.424)	47	899889			0.00- 93.38	44.91
17 Freon 22					CAS #: 75-45-6		
6.013	6.013 (0.434)	67	970082	200.000	232.53	50.00- 150.00	100.00(A)
6.013	6.013 (0.434)	51	4880646			470.91- 570.91	503.12
6.041	6.041 (0.436)	85	93377			0.00- 67.96	9.63
26 Methanol					CAS #: 67-56-1		
7.562	7.562 (0.545)	31	2557267	1200.00	696.25	50.00- 150.00	100.00
7.562	7.562 (0.545)	32	1919231			76.17- 176.17	75.05
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.745	8.745 (0.631)	67	5028065	200.000	188.54	50.00- 150.00	100.00
8.745	8.745 (0.631)	69	1636219			0.00- 82.68	32.54
8.745	8.745 (0.631)	35	276322			0.00- 55.48	5.50
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.691)	67	4337927	200.000	212.59	50.00- 150.00	100.00(A)
9.579	9.579 (0.691)	117	3245483			21.37- 121.37	74.82
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.701)	83	493416	200.000	208.15	50.00- 150.00	100.00(A)
9.718	9.718 (0.701)	133	98549			0.00- 70.95	19.97
9.579	9.579 (0.691)	85	2126591			256.69- 356.69	430.99
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.886)	45	10225783	200.000	235.34	50.00- 150.00	100.00(A)
12.289	12.289 (0.886)	87	3206082			0.00- 80.60	31.35
12.289	12.289 (0.886)	59	1210316			0.00- 62.14	11.84
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.894)	42	546401	200.000	241.57	50.00- 150.00	100.00(A)
12.400	12.400 (0.894)	59	812840			76.36- 176.36	148.76
12.400	12.400 (0.894)	41	409141			317.31- 417.31	74.88
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.932)	59	11387679	200.000	249.51	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
	73 t-Butylethyl Ether (continued)						
12.925	12.925 (0.932)	87	4879790			0.00- 93.11	42.85
12.925	12.925 (0.932)	41	1834928			0.00- 70.78	16.11
	77 Ethyl Acetate				CAS #: 141-78-6		
13.395	13.395 (0.966)	45	1071026	200.000	224.86	50.00- 150.00	100.00(A)
13.395	13.395 (0.966)	61	1194611			49.32- 149.32	111.54
13.395	13.395 (0.966)	43	7515065			578.83- 678.83	701.67
	92 tert-amyl-Methyl Ether				CAS #: 994-05-8		
14.999	14.999 (1.082)	73	10712367	200.000	247.09	50.00- 150.00	100.00(A)
14.999	14.999 (1.082)	87	2553285			0.00- 72.90	23.83
14.999	14.999 (1.082)	55	2463404			0.00- 75.66	23.00
	96 2-Heptanone				CAS #: 110-43-0		
21.966	21.966 (1.584)	58	6201169	200.000	279.98	50.00- 150.00	100.00(A)
21.966	21.966 (1.584)	43	8699246			89.74- 189.74	140.28
	98 1-Butanol				CAS #: 71-36-3		
15.773	15.773 (1.009)	56	2091144	200.000	299.60	50.00- 150.00	100.00(A)
15.773	15.773 (1.009)	41	1373797			33.56- 133.56	65.70
15.773	15.773 (1.009)	43	1050969			13.25- 113.25	50.26
	119 Butyl Acetate				CAS #: 123-86-4		
19.533	19.533 (1.249)	56	3683588	200.000	247.07	50.00- 150.00	100.00(A)
19.533	19.533 (1.249)	73	1516521			0.00- 94.32	41.17
19.533	19.533 (1.249)	43	8438836			175.09- 275.09	229.09
	135 Cyclohexanone				CAS #: 108-94-1		
22.741	22.741 (1.093)	55	4560256	200.000	267.64	50.00- 150.00	100.00(A)
22.741	22.741 (1.093)	98	2305489			0.23- 100.23	50.56
22.741	22.741 (1.093)	42	2923443			12.90- 112.90	64.11
	146 Diisobutyl Ketone				CAS #: 108-83-8		
23.542	23.542 (1.132)	57	11522324	200.000	252.45	50.00- 150.00	100.00(A)
23.570	23.570 (1.133)	85	10839919			45.26- 145.26	94.08
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 21-Feb-2008 14:28

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t022105.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: sjr
Method File: /chem/msdt.i/21Feb2008.b/t14q206b.m
Misc Info: 200ppbv -> 200(1200 MeOH)ppbv

Calibration Date: 21-FEB-2008
Calibration Time: 11:03
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	312258	187355	437161	269864	-13.58
97 1,4-Difluorobenze	1266888	760133	1773643	1144695	-9.65
126 Chlorobenzene-d5	1159473	695684	1623262	1083328	-6.57

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.87	13.54	14.20	13.87	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	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.

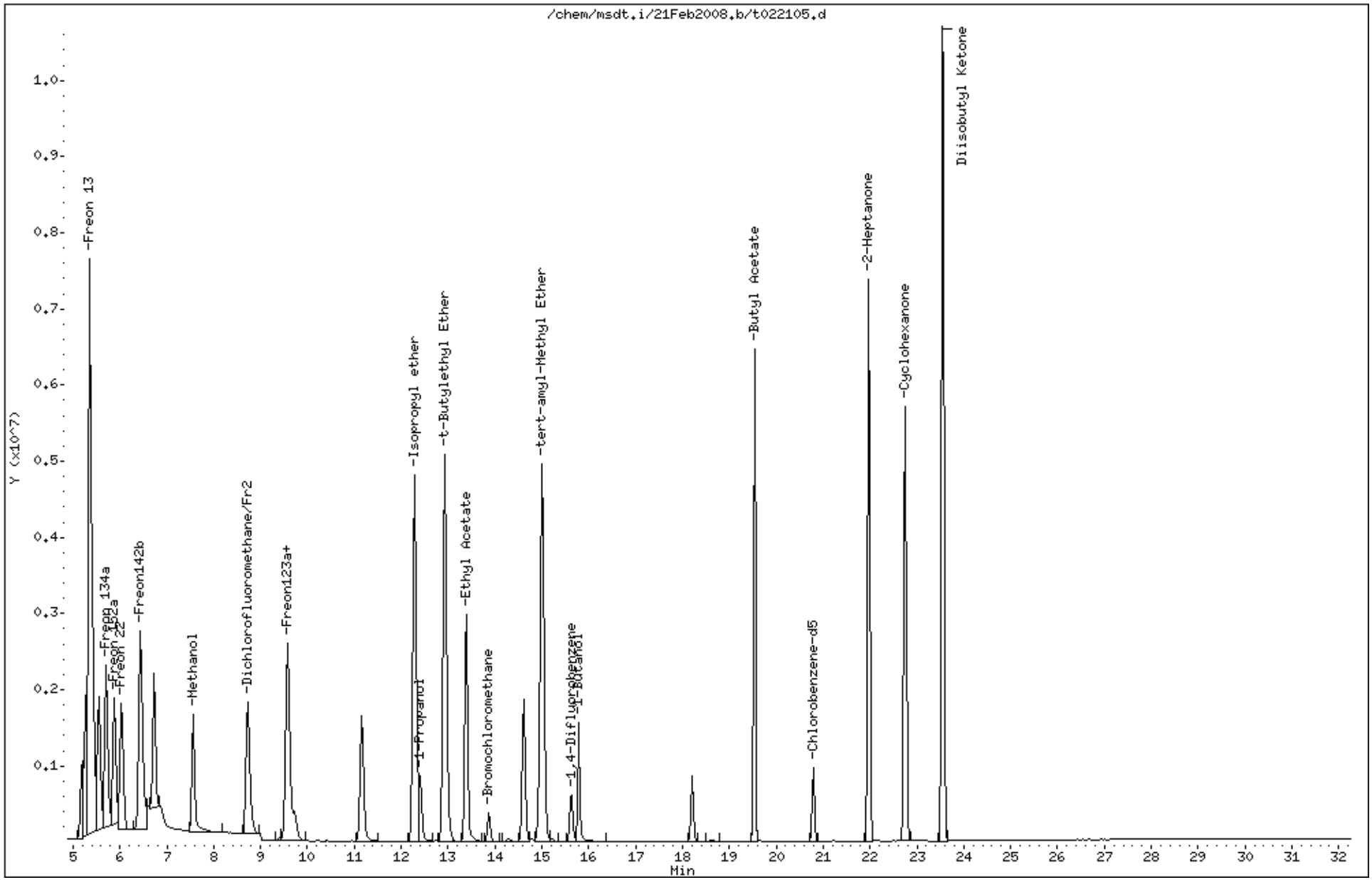
0167

Data File: /chem/msdt.i/21Feb2008.b/t022105.d
Date : 21-FEB-2008 12:05
Client ID: Level 7
Sample Info: 200ml #1576-299

Instrument: msdt.i

Operator: sjr
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020613.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 06-FEB-2008 19:41
Operator : srs Inst ID: msdt.i
Smp Info : 200ml #1576-261
Misc Info : 200ppbv -> 200ppbv
Comment :
Method : /chem/msdt.i/06Feb2008.b/t14q206a.m
Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD
Cal Date : 06-FEB-2008 19:41 Cal File: t020613.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		
13.858	13.858 (1.000)	130	350438	25.0000		50.00- 150.00	100.00
13.858	13.858 (1.000)	128	265413			26.39- 126.39	75.74
13.941	13.941 (1.000)	49	1193106			99.95- 199.95	340.46
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1410298	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	224026			0.00- 66.12	15.89
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1300571	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	741297			6.72- 106.72	57.00
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.078)	65	620117	25.0000	27.500	50.00- 150.00	100.00
14.936	14.936 (1.078)	67	455931			3.57- 103.57	73.52
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1394007	25.0000	25.661	50.00- 150.00	100.00
18.199	18.199 (1.165)	70	165109			0.00- 61.29	11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	950357			18.71- 118.71	68.17
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	848605	25.0000	25.226	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	1070463			75.58- 175.58	126.14
22.789	22.789 (1.096)	176	830556			47.41- 147.41	97.87
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	2244909	200.000	195.86	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	1546399			17.96- 117.96	68.88
5.812	5.812 (0.419)	39	1826180			33.44- 133.44	81.35
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	13829436	200.000	202.10	50.00- 150.00	100.00(A)
5.923	5.923 (0.427)	87	4400174			0.00- 82.13	31.82
16 Freon 114					CAS #: 76-14-2		
6.282	6.282 (0.453)	135	9245837	200.000	204.40	50.00- 150.00	100.00(A)
6.282	6.282 (0.453)	137	2950383			0.00- 81.89	31.91
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.471)	50	3061437	200.000	204.92	50.00- 150.00	100.00(A)
6.531	6.531 (0.471)	52	1030836			0.00- 83.62	33.67
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.495)	62	4186766	200.000	204.12	50.00- 150.00	100.00(A)
6.863	6.863 (0.495)	64	1330162			0.00- 89.61	31.77
22 1,3-Butadiene					CAS #: 106-99-0		
6.946	6.946 (0.501)	54	3136692	200.000	203.21	50.00- 150.00	100.00(A)
6.946	6.946 (0.501)	39	3057782			53.33- 153.33	97.48
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.571)	94	4285901	200.000	211.04	50.00- 150.00	100.00(A)
7.913	7.913 (0.571)	96	3953378			43.69- 143.69	92.24
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.591)	64	2243653	200.000	209.74	50.00- 150.00	100.00(A)
8.162	8.162 (0.589)	49	567495			0.00- 76.71	25.29
8.190	8.190 (0.591)	66	737238			0.00- 83.02	32.86
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.633)	101	15419021	200.000	199.04	50.00- 150.00	100.00
8.771	8.771 (0.633)	103	9913225			13.52- 113.52	64.29

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.667)	45	1268709	200.000	214.06	50.00- 150.00	100.00(A)
9.241	9.241 (0.667)	43	285639			0.00- 75.24	22.51
9.241	9.241 (0.667)	46	473438			0.00- 89.78	37.32
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.719)	151	7037148	200.000	197.28	50.00- 150.00	100.00
9.959	9.959 (0.719)	153	4532081			14.28- 114.28	64.40
9.932	9.932 (0.717)	101	9194511			80.55- 180.55	130.66
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.725)	61	6864445	200.000	213.80	50.00- 150.00	100.00(A)
10.042	10.042 (0.725)	96	4161445			13.15- 113.15	60.62
10.042	10.042 (0.725)	98	2679049			0.00- 88.14	39.03
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.735)	58	1929807	200.000	193.94	50.00- 150.00	100.00
10.181	10.181 (0.735)	43	6078502			267.82- 367.82	314.98
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.749)	45	7118783	200.000	208.76	50.00- 150.00	100.00(A)
10.374	10.374 (0.749)	43	1603518			0.00- 76.64	22.53
10.374	10.374 (0.749)	59	298669			0.00- 54.31	4.20
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.761)	76	12911334	200.000	212.60	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.781)	76	2135311	200.000	204.18	50.00- 150.00	100.00(A)
10.817	10.817 (0.781)	41	4667211			173.84- 273.84	218.57
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.800)	49	4043623	200.000	199.16	50.00- 150.00	100.00
11.093	11.093 (0.800)	84	3657876			36.08- 136.08	90.46
11.093	11.093 (0.800)	51	1301400			0.00- 83.83	32.18
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.826)	73	14127149	200.000	242.38	50.00- 150.00	100.00(A)
11.453	11.453 (0.826)	57	2668532			0.00- 69.02	18.89
11.453	11.453 (0.826)	41	2471765			0.00- 70.47	17.50
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.535	11.535 (0.832)	96	4995106	200.000	209.34	50.00- 150.00	100.00(A)
11.535	11.535 (0.832)	61	6882664			95.77- 195.77	137.79
11.535	11.535 (0.832)	98	3205496			16.26- 116.26	64.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.858)	57	7233259	200.000	229.72	50.00- 150.00	100.00(A)
11.895	11.895 (0.858)	43	4071333			9.30- 109.30	56.29
11.895	11.895 (0.858)	86	1297193			0.00- 66.83	17.93
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.892)	86	1342153	200.000	217.41	50.00- 150.00	100.00(A)
12.337	12.337 (0.890)	43	12158868			832.23- 932.23	905.92
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.365	12.365 (0.892)	63	9074032	200.000	205.97	50.00- 150.00	100.00(A)
12.365	12.365 (0.892)	65	2933179			0.00- 82.79	32.32
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.966)	72	2599379	200.000	231.91	50.00- 150.00	100.00(A)
13.388	13.388 (0.966)	43	8515666			275.22- 375.22	327.60
13.388	13.388 (0.966)	57	765435			0.00- 79.56	29.45
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.968)	61	6245688	200.000	210.70	50.00- 150.00	100.00(A)
13.416	13.416 (0.968)	96	4941404			27.39- 127.39	79.12
13.416	13.416 (0.968)	98	3177917			0.96- 100.96	50.88
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (1.000)	42	4241211	200.000	224.34	50.00- 150.00	100.00(A)
13.858	13.858 (1.000)	71	2262935			0.00- 99.16	53.36
13.858	13.858 (1.000)	72	2415736			2.04- 102.04	56.96
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.006)	83	10890508	200.000	213.97	50.00- 150.00	100.00(A)
13.941	13.941 (1.006)	85	7079254			16.43- 116.43	65.00
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.030)	97	12157336	200.000	215.95	50.00- 150.00	100.00(A)
14.273	14.273 (1.030)	99	7830263			17.45- 117.45	64.41
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.032)	84	6882951	200.000	228.34	50.00- 150.00	100.00(A)
14.300	14.300 (1.032)	56	6804949			47.55- 147.55	98.87
14.300	14.300 (1.032)	41	3514830			5.12- 105.12	51.07
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.050)	119	11440648	200.000	211.56	50.00- 150.00	100.00(A)
14.522	14.522 (1.048)	117	12169445			53.78- 153.78	106.37
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	14800821	200.000	209.93	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)							
14.964	14.964 (0.958)	77	3350560			0.00- 73.50	22.64
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.074)	57	17411392	200.000	236.90	50.00- 150.00	100.00(A)
14.881	14.881 (1.074)	56	5614080			0.00- 82.82	32.24
14.881	14.881 (1.074)	41	4444106			0.00- 78.43	25.52
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	6990152	200.000	203.22	50.00- 150.00	100.00(A)
15.075	15.075 (0.965)	64	2256443			0.00- 84.23	32.28
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	4422042	200.000	221.58	50.00- 150.00	100.00(A)
15.185	15.185 (0.972)	43	6011920			85.70- 185.70	135.95
15.185	15.185 (0.972)	57	3678586			28.72- 128.72	83.19
101 Trichloroethene					CAS #: 79-01-6		
16.070	16.070 (1.028)	95	6441042	200.000	213.30	50.00- 150.00	100.00(A)
16.070	16.070 (1.028)	130	5805098			42.94- 142.94	90.13
16.070	16.070 (1.028)	97	4097149			13.25- 113.25	63.61
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	5092409	200.000	214.08	50.00- 150.00	100.00(A)
16.568	16.568 (1.060)	62	3626964			21.32- 121.32	71.22
16.568	16.568 (1.060)	41	2709468			8.96- 108.96	53.21
106 1,4-Dioxane					CAS #: 123-91-1		
16.678	16.678 (1.067)	88	3666409	200.000	210.57	50.00- 150.00	100.00(A)
16.678	16.678 (1.067)	58	2113855			9.36- 109.36	57.65
16.678	16.678 (1.067)	57	748945			0.00- 71.19	20.43
107 Bromodichloromethane					CAS #: 75-27-4		
16.982	16.982 (1.087)	83	11426189	200.000	211.43	50.00- 150.00	100.00(A)
16.982	16.982 (1.087)	85	7356832			13.51- 113.51	64.39
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	8131434	200.000	224.33	50.00- 150.00	100.00(A)
17.784	17.784 (1.138)	77	2581563			0.00- 84.89	31.75
17.784	17.784 (1.138)	39	3559732			0.00- 97.13	43.78
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.950	17.950 (1.149)	58	4047096	200.000	245.73	50.00- 150.00	100.00(A)
17.950	17.950 (1.149)	43	9172795			175.34- 275.34	226.65
17.978	17.978 (1.150)	85	2017083			0.64- 100.64	49.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	16544347	200.000	220.07	50.00- 150.00	100.00(A)
18.337	18.337 (1.173)	92	9944276			11.62- 111.62	60.11
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	8853621	200.000	215.39	50.00- 150.00	100.00(A)
18.752	18.752 (0.902)	77	2800007			0.00- 81.86	31.63
18.752	18.752 (0.902)	39	3605430			0.00- 91.58	40.72
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	6145241	200.000	207.43	50.00- 150.00	100.00(A)
19.111	19.111 (0.919)	99	3885491			13.21- 113.21	63.23
19.111	19.111 (0.919)	83	5273029			35.76- 135.76	85.81
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	8171986	200.000	205.86	50.00- 150.00	100.00(A)
19.277	19.277 (0.927)	129	5618493			19.36- 119.36	68.75
19.277	19.277 (0.927)	131	5327701			16.43- 116.43	65.19
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	5507463	200.000	222.01	50.00- 150.00	100.00(A)
19.416	19.416 (0.934)	43	9126801			124.96- 224.96	165.72
19.416	19.416 (0.934)	100	1159888			0.00- 71.71	21.06
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	10771050	200.000	213.53	50.00- 150.00	100.00(A)
19.803	19.803 (0.952)	127	8255102			28.82- 128.82	76.64
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.051 (0.964)	107	10275074	200.000	218.05	50.00- 150.00	100.00(A)
20.051	20.051 (0.964)	109	9488081			46.68- 146.68	92.34
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	14309057	200.000	209.22	50.00- 150.00	100.00(A)
20.853	20.853 (1.003)	114	4444592			0.00- 82.06	31.06
20.853	20.853 (1.003)	77	8989067			22.53- 122.53	62.82
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	7668400	200.000	216.40	50.00- 150.00	100.00(A)
20.936	20.936 (1.007)	91	25064309			269.96- 369.96	326.85
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	9936021	200.000	222.67	50.00- 150.00	100.00(A)
21.130	21.130 (1.016)	91	20223905			149.87- 249.87	203.54
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	9402725	200.000	221.52	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)							
21.849	21.849 (1.051)	91	20307931			160.81- 260.81	215.98
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	15871642	200.000	244.07	50.00- 150.00	100.00(A)
21.876	21.876 (1.052)	78	8023544			9.02- 109.02	50.55
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	12025424	200.000	222.10	50.00- 150.00	100.00(A)
22.291	22.291 (1.072)	171	6154800			1.83- 101.83	51.18
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	26972899	200.000	230.37	50.00- 150.00	100.00(A)
22.429	22.429 (1.078)	120	6825383			0.00- 77.62	25.30
22.402	22.402 (1.077)	51	2239931			0.00- 58.75	8.30
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	15030605	200.000	220.75	50.00- 150.00	100.00(A)
23.010	23.010 (1.106)	85	9664787			16.89- 116.89	64.30
142 Propylbenzene					CAS #: 103-65-1		
23.093	23.093 (1.110)	91	31493566	200.000	207.49	50.00- 150.00	100.00(A)
23.121	23.121 (1.112)	120	7318775			0.00- 71.63	23.24
23.121	23.121 (1.112)	105	1221513			0.00- 53.71	3.88
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	26455136	200.000	204.75	50.00- 150.00	100.00(A)
23.286	23.286 (1.120)	120	8661852			0.00- 79.69	32.74
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	24464891	200.000	221.96	50.00- 150.00	100.00(A)
23.397	23.397 (1.125)	120	11830853			0.00- 98.23	48.36
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	23660053	200.000	227.80	50.00- 150.00	100.00(A)
24.033	24.033 (1.156)	120	10670397			0.00- 94.91	45.10
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	15896139	200.000	212.94	50.00- 150.00	100.00(A)
24.586	24.586 (1.182)	148	10085107			14.68- 114.68	63.44
24.586	24.586 (1.182)	111	6558811			0.00- 91.36	41.26
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	16485506	200.000	214.62	50.00- 150.00	100.00(A)
24.724	24.724 (1.189)	148	10467681			16.09- 116.09	63.50
24.724	24.724 (1.189)	111	6472835			0.00- 90.13	39.26

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	24668642	200.000	222.12	50.00- 150.00	100.00(A)
24.945	24.945 (1.199)	126	4886072			0.00- 69.28	19.81
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	15599304	200.000	214.51	50.00- 150.00	100.00(A)
25.360	25.360 (1.219)	148	9883137			15.85- 115.85	63.36
25.360	25.360 (1.219)	111	6587185			0.00- 94.46	42.23
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	11415493	200.000	205.82	50.00- 150.00	100.00(A)
28.153	28.153 (1.354)	182	10826368			44.78- 144.78	94.84
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	10769723	200.000	192.94	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	6684925			12.90- 112.90	62.07
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	16502797	200.000	214.98	50.00- 150.00	100.00(A)
28.678	28.678 (1.379)	127	2006009			0.00- 62.74	12.16
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.597)	43	4503444	200.000	198.77	50.00- 150.00	100.00
8.273	8.273 (0.597)	57	3514272			27.67- 127.67	78.04
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.491)	58	770238	200.000	196.35	50.00- 150.00	100.00
6.807	6.807 (0.491)	43	5480338			666.74- 766.74	711.51
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.180)	83	8362325	200.000	234.30	50.00- 150.00	100.00(A)
16.346	16.346 (1.180)	98	3725362			0.00- 95.22	44.55
16.346	16.346 (1.180)	55	5813657			20.82- 120.82	69.52
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.148	11.148 (0.804)	59	7340416	200.000	197.53	50.00- 150.00	100.00
11.148	11.148 (0.804)	41	1467413			0.00- 72.85	19.99
11.148	11.148 (0.804)	57	744700			0.00- 59.93	10.15

QC Flag Legend

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t020613.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m
Misc Info: 200ppbv -> 200ppbv

Calibration Date: 06-FEB-2008
Calibration Time: 17:13
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	355997	213598	498396	350438	-1.56
97 1,4-Difluorobenze	1372567	823540	1921594	1410298	2.75
126 Chlorobenzene-d5	1227265	736359	1718171	1300571	5.97

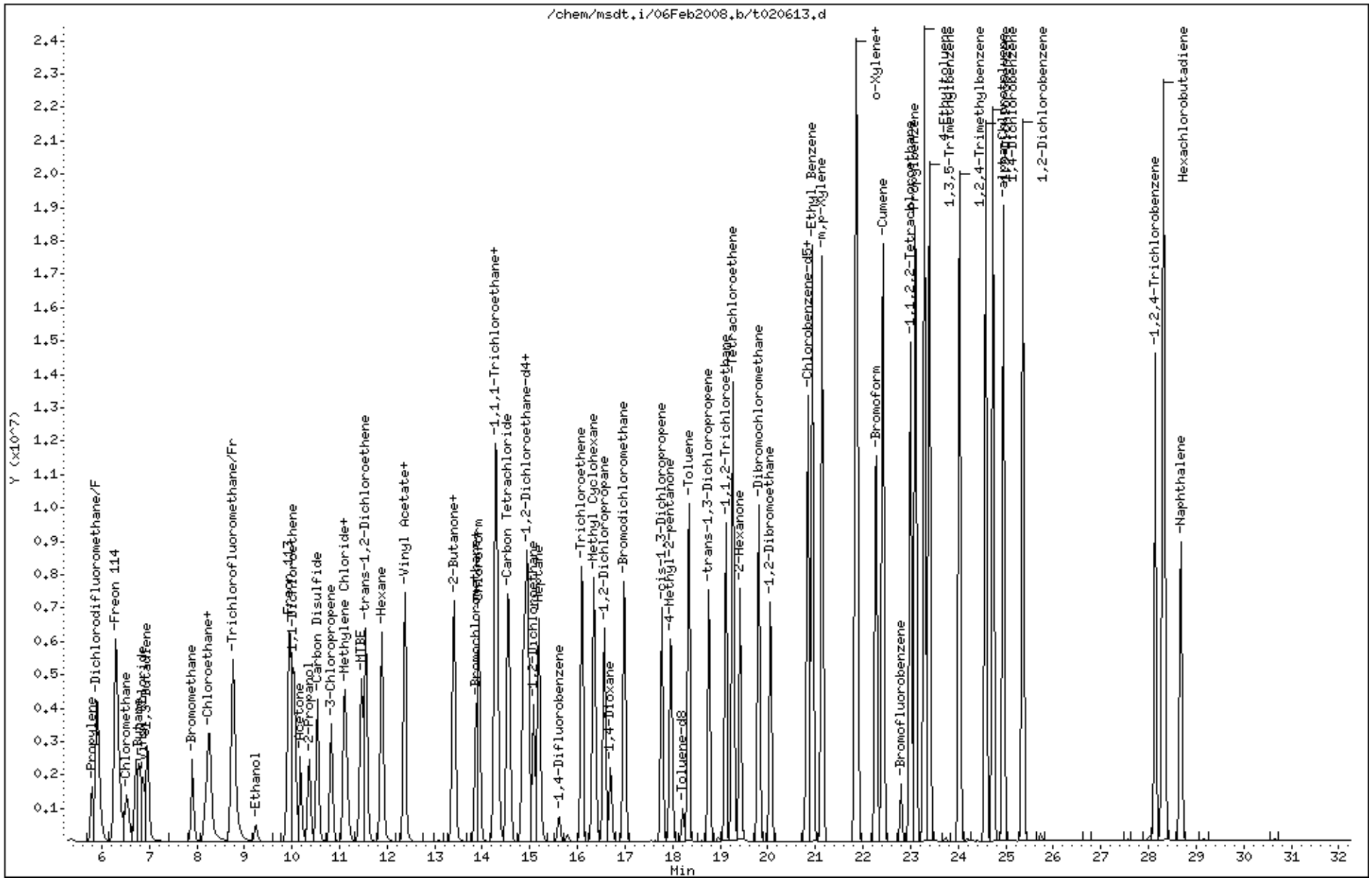
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.86	-0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/06Feb2008.b/t020613.d
Date : 06-FEB-2008 19:41
Client ID: Level 7
Sample Info: 200ml #1576-261

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

Column phase: RTx-624



0177

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802426-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 09:53 AM**	

Compound	%Recovery
Freon 12	111
Freon 114	105
Vinyl Chloride	112
Bromomethane	108
Chloroethane	112
Freon 11	104
1,1-Dichloroethene	110
Freon 113	103
Methylene Chloride	104
1,1-Dichloroethane	110
cis-1,2-Dichloroethene	114
Chloroform	114
1,1,1-Trichloroethane	112
Carbon Tetrachloride	108
Benzene	106
1,2-Dichloroethane	106
Trichloroethene	107
1,2-Dichloropropane	109
cis-1,3-Dichloropropene	114
Toluene	114
trans-1,3-Dichloropropene	108
1,1,2-Trichloroethane	104
Tetrachloroethene	105
1,2-Dibromoethane (EDB)	108
Chlorobenzene	104
Ethyl Benzene	108
m,p-Xylene	110
o-Xylene	108
Styrene	118
1,1,2,2-Tetrachloroethane	108
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	109
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	103
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	103
1,3-Butadiene	110
Hexane	118
Cyclohexane	116

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802426-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 09:53 AM**	

Compound	%Recovery
Heptane	118
Bromodichloromethane	108
Dibromochloromethane	105
Cumene	111
Propylbenzene	111
Chloromethane	114
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	86
Acetone	106
Carbon Disulfide	110
2-Propanol	109
trans-1,2-Dichloroethene	109
2-Butanone (Methyl Ethyl Ketone)	115
Tetrahydrofuran	116
1,4-Dioxane	103
4-Methyl-2-pentanone	122
2-Hexanone	112
Bromoform	108
4-Ethyltoluene	112
Ethanol	113
Methyl tert-butyl ether	134 Q
3-Chloropropene	108
2,2,4-Trimethylpentane	132 Q
Naphthalene	86

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	103	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 02-MAR-2008 09:53
Lab File ID: t030202.d Init. Cal. Date(s): 06-FEB-2008 28-FEB-2008
Analysis Type: AIR Init. Cal. Times: 14:27 15:24
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/02Mar2008.b/t14q206c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 90 1,2-Dichloroethane-d4	1.60865	1.71450	0.010	-6.58027	30.00000	Averaged	
$ 113 Toluene-d8	0.96300	1.01148	0.010	-5.03394	30.00000	Averaged	
$ 137 Bromofluorobenzene	0.64665	0.66832	0.010	-3.35141	30.00000	Averaged	
11 Propylene	0.81770	0.90139	0.010	-10.23492	30.00000	Averaged	
12 Dichlorodifluoromethane/Fr1	4.88168	5.40986	0.010	-10.81977	30.00000	Averaged	
16 Freon 114	3.22698	3.40316	0.010	-5.45972	30.00000	Averaged	
18 Chloromethane	1.06576	1.21711	0.010	-14.20168	30.00000	Averaged	
20 Vinyl Chloride	1.46323	1.64225	0.010	-12.23402	30.00000	Averaged	
22 1,3-Butadiene	1.10115	1.21442	0.010	-10.28653	30.00000	Averaged	
25 Bromomethane	1.44878	1.55946	0.010	-7.64001	30.00000	Averaged	
27 Chloroethane	0.76312	0.85799	0.010	-12.43059	30.00000	Averaged	
31 Trichlorofluoromethane/Fr11	5.52640	5.75407	0.010	-4.11981	30.00000	Averaged	
38 Ethanol	0.42283	0.47809	0.010	-13.06872	30.00000	Averaged	
42 Freon 113	2.54471	2.62283	0.010	-3.06975	30.00000	Averaged	
43 1,1-Dichloroethene	2.29053	2.53195	0.010	-10.53957	30.00000	Averaged	
45 Acetone	0.70987	0.74986	0.010	-5.63245	30.00000	Averaged	
46 2-Propanol	2.43274	2.65235	0.010	-9.02698	30.00000	Averaged	
47 Carbon Disulfide	4.33254	4.77203	0.010	-10.14400	30.00000	Averaged	
51 3-Chloropropene	0.74606	0.80574	0.010	-7.99999	30.00000	Averaged	
54 Methylene Chloride	1.44840	1.50763	0.010	-4.08933	30.00000	Averaged	
57 tert-Butyl-Alcohol	2.65102	3.23171	0.010	-21.90433	40.00000	Averaged	
60 MTBE	4.15810	5.55831	0.010	-33.67444	30.00000	Averaged	<-
61 trans-1,2-Dichloroethene	1.70224	1.86211	0.010	-9.39198	30.00000	Averaged	
65 Hexane	2.24629	2.64476	0.010	-17.73945	30.00000	Averaged	
69 Vinyl Acetate	0.44040	0.46596	0.010	-5.80422	30.00000	Averaged	
70 1,1-Dichloroethane	3.14283	3.47149	0.010	-10.45735	30.00000	Averaged	
75 2-Butanone	0.79961	0.91764	0.010	-14.76103	30.00000	Averaged	
76 cis-1,2-Dichloroethene	2.11467	2.40176	0.010	-13.57588	30.00000	Averaged	
80 Tetrahydrofuran	1.34868	1.57019	0.010	-16.42349	30.00000	Averaged	
82 Chloroform	3.63101	4.13555	0.010	-13.89543	30.00000	Averaged	
83 1,1,1-Trichloroethane	4.01616	4.48591	0.010	-11.69662	30.00000	Averaged	
85 Cyclohexane	2.15044	2.50123	0.010	-16.31252	30.00000	Averaged	
87 Carbon Tetrachloride	3.85789	4.18615	0.010	-8.50877	30.00000	Averaged	
89 2,2,4-Trimethylpentane	5.24329	6.94946	0.010	-32.54009	30.00000	Averaged	<-
91 Benzene	1.24979	1.32839	0.010	-6.28949	30.00000	Averaged	
93 1,2-Dichloroethane	0.60974	0.64376	0.010	-5.57961	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 02-MAR-2008 09:53
Lab File ID: t030202.d Init. Cal. Date(s): 06-FEB-2008 28-FEB-2008
Analysis Type: AIR Init. Cal. Times: 14:27 15:24
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/02Mar2008.b/t14q206c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.35378	0.41684	0.010	-17.82486	30.00000	Averaged
101 Trichloroethene	0.53529	0.57074	0.010	-6.62294	30.00000	Averaged
104 1,2-Dichloropropane	0.42168	0.45937	0.010	-8.93833	30.00000	Averaged
106 1,4-Dioxane	0.30866	0.31939	0.010	-3.47888	30.00000	Averaged
107 Bromodichloromethane	0.95798	1.03653	0.010	-8.19930	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.64255	0.73046	0.010	-13.68093	30.00000	Averaged
111 4-Methyl-2-pentanone	0.29195	0.35640	0.010	-22.07595	30.00000	Averaged
114 Toluene	1.33263	1.52233	0.010	-14.23537	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.79014	0.85182	0.010	-7.80595	30.00000	Averaged
117 1,1,2-Trichloroethane	0.56947	0.59137	0.010	-3.84502	30.00000	Averaged
120 Tetrachloroethene	0.76308	0.80144	0.010	-5.02652	30.00000	Averaged
121 2-Hexanone	0.47685	0.53349	0.010	-11.87654	30.00000	Averaged
122 Dibromochloromethane	0.96963	1.02229	0.010	-5.43084	30.00000	Averaged
123 1,2-Dibromoethane	0.90581	0.98305	0.010	-8.52739	30.00000	Averaged
127 Chlorobenzene	1.31466	1.36178	0.010	-3.58421	30.00000	Averaged
128 Ethyl Benzene	0.68116	0.73242	0.010	-7.52437	30.00000	Averaged
129 m,p-Xylene	0.85774	0.94611	0.010	-10.30284	30.00000	Averaged
130 o-Xylene	0.81592	0.88593	0.010	-8.58038	30.00000	Averaged
131 Styrene	1.25002	1.48007	0.010	-18.40332	30.00000	Averaged
133 Bromoform	1.04080	1.12255	0.010	-7.85416	30.00000	Averaged
134 Cumene	2.25068	2.49207	0.010	-10.72507	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.30880	1.40946	0.010	-7.69065	30.00000	Averaged
142 Propylbenzene	2.91760	3.25188	0.010	-11.45736	30.00000	Averaged
145 4-Ethyltoluene	2.48367	2.79191	0.010	-12.41067	30.00000	Averaged
147 1,3,5-Trimethylbenzene	2.11868	2.28564	0.010	-7.88040	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.99645	2.17548	0.010	-8.96722	30.00000	Averaged
155 1,3-Dichlorobenzene	1.43495	1.49461	0.010	-4.15779	30.00000	Averaged
156 1,4-Dichlorobenzene	1.47654	1.52549	0.010	-3.31554	30.00000	Averaged
159 alpha-Chlorotoluene	2.13483	2.36914	0.010	-10.97587	30.00000	Averaged
161 1,2-Dichlorobenzene	1.39783	1.43777	0.010	-2.85708	30.00000	Averaged
165 1,2,4-Trichlorobenzene	1.06613	0.93028	0.010	12.74208	30.00000	Averaged
166 Hexachlorobutadiene	1.07297	0.91907	0.010	14.34347	30.00000	Averaged
29 Isopentane	1.61629	1.70273	0.010	-5.34815	30.00000	Averaged
19 Butane	0.27985	0.30265	0.010	-8.14596	30.00000	Averaged
102 Methyl Cyclohexane	2.54614	3.05163	0.010	-19.85332	30.00000	Averaged
167 Naphthalene	1.47559	1.27659	0.010	13.48622	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Mar2008.b/t030202.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 02-MAR-2008 09:53
Operator : dfm Inst ID: msdt.i
Smp Info : 50mL #1576-261
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/02Mar2008.b/t14q206c.m
Meth Date : 02-Mar-2008 12:08 dmendoza Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	303515	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	240265			29.16- 129.16	79.16
13.858	13.858 (1.000)	49	549307			130.98- 230.98	180.98
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1266099	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	207374			0.00- 66.38	16.38
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1189186	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	694987			7.65- 107.65	58.44
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	520376	25.0000	26.645	80.00- 120.00	100.00
14.936	14.936 (1.076)	67	303470			3.57- 103.57	58.32
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1280630	25.0000	26.258	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	147803			0.00- 61.29	11.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	871583			18.71- 118.71	68.06
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	794760	25.0000	25.838	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	1012183			77.36- 177.36	127.36
22.789	22.789 (1.096)	176	759548			45.57- 145.57	95.57
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	547168	50.0000	55.117	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	370808			17.96- 117.96	67.77
5.812	5.812 (0.419)	39	438138			33.44- 133.44	80.07
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	3283950	50.0000	55.410	80.00- 120.00	100.00
5.923	5.923 (0.427)	87	1053654			0.00- 82.13	32.08
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	2065823	50.0000	52.730	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	663342			0.00- 81.89	32.11
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	738824	50.0000	57.101	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	240700			0.00- 83.62	32.58
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	996893	50.0000	56.117	80.00- 120.00	100.00
6.890	6.890 (0.496)	64	313254			0.00- 89.61	31.42
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	737190	50.0000	55.143	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	694786			53.33- 153.33	94.25
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.570)	94	946642	50.0000	53.820	80.00- 120.00	100.00
7.913	7.913 (0.570)	96	877046			42.65- 142.65	92.65
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	520823	50.0000	56.215	80.00- 120.00	100.00
8.190	8.190 (0.590)	49	132522			0.00- 76.71	25.44
8.190	8.190 (0.590)	66	167056			0.00- 83.02	32.08
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	3492896	50.0000	52.060	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2261941			14.76- 114.76	64.76

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.241 (0.665)	45	290212	50.0000	56.534	80.00- 120.00	100.00
9.241	9.241 (0.665)	43	67225			0.00- 75.24	23.16
9.241	9.241 (0.665)	46	108282			0.00- 89.78	37.31
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	1592135	50.0000	51.535	80.00- 120.00	100.00
9.959	9.959 (0.717)	153	1017006			13.88- 113.88	63.88
9.959	9.959 (0.717)	101	2080541			80.68- 180.68	130.68
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	1536967	50.0000	55.270	80.00- 120.00	100.00
10.042	10.042 (0.723)	96	924079			10.12- 110.12	60.12
10.042	10.042 (0.723)	98	583868			0.00- 87.99	37.99
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	455185	50.0000	52.816	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	1458367			267.82- 367.82	320.39
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	1610053	50.0000	54.513	80.00- 120.00	100.00
10.374	10.374 (0.747)	43	390544			0.00- 76.64	24.26
10.374	10.374 (0.747)	59	66533			0.00- 54.31	4.13
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	2896767	50.0000	55.072	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	489108	50.0000	54.000	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1061657			173.84- 273.84	217.06
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	915176	50.0000	52.045	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	819785			39.58- 139.58	89.58
11.121	11.121 (0.801)	51	301269			0.00- 83.83	32.92
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.148	11.148 (0.803)	59	1961743	50.0000	60.952	80.00- 120.00	100.00
11.148	11.148 (0.803)	41	400327			0.00- 72.85	20.41
11.148	11.148 (0.803)	57	200485			0.00- 59.93	10.22
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	3374062	50.0000	66.837	80.00- 120.00	100.00
11.452	11.452 (0.825)	57	638357			0.00- 68.92	18.92
11.452	11.452 (0.825)	41	615550			0.00- 70.47	18.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1130357	50.0000	54.696	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	1601042			91.64- 191.64	141.64
11.563	11.563 (0.833)	98	727765			16.26- 116.26	64.38
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	1605451	50.0000	58.870	80.00- 120.00	100.00
11.895	11.895 (0.857)	43	929007			9.30- 109.30	57.87
11.895	11.895 (0.857)	86	275312			0.00- 66.83	17.15
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	282851	50.0000	52.902	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2594267			832.23- 932.23	917.19
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	2107299	50.0000	55.229	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	679803			0.00- 82.26	32.26
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	557037	50.0000	57.380	80.00- 120.00	100.00
13.388	13.388 (0.964)	43	1857038			283.38- 383.38	333.38
13.388	13.388 (0.964)	57	160944			0.00- 79.56	28.89
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	1457939	50.0000	56.788	80.00- 120.00	100.00
13.416	13.416 (0.966)	96	1122014			26.96- 126.96	76.96
13.416	13.416 (0.966)	98	721500			0.00- 99.49	49.49
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	953150	50.0000	58.212	80.00- 120.00	100.00
13.858	13.858 (0.998)	71	495961			2.03- 102.03	52.03
13.858	13.858 (0.998)	72	549501			2.04- 102.04	57.65
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	2510403	50.0000	56.948	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	1645998			15.57- 115.57	65.57
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.028)	97	2723084	50.0000	55.848	80.00- 120.00	100.00
14.273	14.273 (1.028)	99	1745677			14.11- 114.11	64.11
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	1518323	50.0000	58.156	80.00- 120.00	100.00
14.300	14.300 (1.030)	56	1555207			52.43- 152.43	102.43
14.300	14.300 (1.030)	41	804331			2.97- 102.97	52.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
87 Carbon Tetrachloride						CAS #: 56-23-5	
14.549	14.549 (1.048)	119	2541116	50.0000	54.254	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	2701967			56.33- 156.33	106.33
89 2,2,4-Trimethylpentane						CAS #: 540-84-1	
14.881	14.881 (1.072)	57	4218530	50.0000	66.270	80.00- 120.00	100.00
14.881	14.881 (1.072)	56	1362498			0.00- 82.82	32.30
14.881	14.881 (1.072)	41	1100517			0.00- 78.43	26.09
91 Benzene						CAS #: 71-43-2	
14.964	14.964 (0.958)	78	3363750	50.0000	53.145	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	773711			0.00- 73.50	23.00
93 1,2-Dichloroethane						CAS #: 107-06-2	
15.075	15.075 (0.965)	62	1630133	50.0000	52.790	80.00- 120.00	100.00
15.075	15.075 (0.965)	64	522694			0.00- 84.23	32.06
94 Heptane						CAS #: 142-82-5	
15.185	15.185 (0.972)	71	1055518	50.0000	58.912	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1461703			85.70- 185.70	138.48
15.185	15.185 (0.972)	57	872686			28.72- 128.72	82.68
101 Trichloroethene						CAS #: 79-01-6	
16.098	16.098 (1.030)	95	1445233	50.0000	53.311	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1300783			40.01- 140.01	90.01
16.098	16.098 (1.030)	97	932067			14.49- 114.49	64.49
104 1,2-Dichloropropane						CAS #: 78-87-5	
16.568	16.568 (1.060)	63	1163222	50.0000	54.469	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	834841			21.77- 121.77	71.77
16.568	16.568 (1.060)	41	645719			5.51- 105.51	55.51
106 1,4-Dioxane						CAS #: 123-91-1	
16.706	16.706 (1.069)	88	808769	50.0000	51.739	80.00- 120.00	100.00
16.678	16.678 (1.067)	58	480665			9.43- 109.43	59.43
16.678	16.678 (1.067)	57	165825			0.00- 71.19	20.50
107 Bromodichloromethane						CAS #: 75-27-4	
17.010	17.010 (1.088)	83	2624693	50.0000	54.100	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1691282			14.44- 114.44	64.44
110 cis-1,3-Dichloropropene						CAS #: 10061-01-5	
17.784	17.784 (1.138)	75	1849670	50.0000	56.840	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	585275			0.00- 81.64	31.64
17.784	17.784 (1.138)	39	833245			0.00- 95.05	45.05

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	902485	50.0000	61.038	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2084441			175.34- 275.34	230.97
17.978	17.978 (1.150)	85	448992			0.64- 100.64	49.75
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	3854840	50.0000	57.118	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2314535			10.04- 110.04	60.04
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.752	18.752 (0.902)	75	2025939	50.0000	53.903	80.00- 120.00	100.00
18.752	18.752 (0.902)	77	641845			0.00- 81.68	31.68
18.752	18.752 (0.902)	39	838429			0.00- 91.38	41.38
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1406486	50.0000	51.922	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	884933			12.92- 112.92	62.92
19.111	19.111 (0.919)	83	1209678			36.01- 136.01	86.01
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1906113	50.0000	52.513	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1302416			18.33- 118.33	68.33
19.277	19.277 (0.927)	131	1226643			14.35- 114.35	64.35
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	1268828	50.0000	55.938	80.00- 120.00	100.00
19.416	19.416 (0.934)	43	2116777			116.83- 216.83	166.83
19.416	19.416 (0.934)	100	259130			0.00- 71.71	20.42
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2431394	50.0000	52.715	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1876578			28.82- 128.82	77.18
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.051	20.051 (0.964)	107	2338063	50.0000	54.264	80.00- 120.00	100.00
20.051	20.051 (0.964)	109	2154027			42.13- 142.13	92.13
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	3238815	50.0000	51.792	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	1022942			0.00- 81.58	31.58
20.853	20.853 (1.003)	77	2057473			13.53- 113.53	63.53
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1741959	50.0000	53.762	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	5701479			269.96- 369.96	327.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	2250196	50.0000	55.151	80.00- 120.00	100.00
21.130	21.130 (1.016)	91	4588252			149.87- 249.87	203.90
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	2107067	50.0000	54.290	80.00- 120.00	100.00
21.849	21.849 (1.051)	91	4583891			167.55- 267.55	217.55
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	3520150	50.0000	59.202	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1833402			2.08- 102.08	52.08
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2669832	50.0000	53.927	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1362692			1.04- 101.04	51.04
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	5927071	50.0000	55.362	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	1514877			0.00- 77.62	25.56
22.429	22.429 (1.078)	51	526258			0.00- 58.75	8.88
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	3352215	50.0000	53.845	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	2185175			15.19- 115.19	65.19
142 Propylbenzene					CAS #: 103-65-1		
23.093	23.093 (1.110)	91	7734187	50.0000	55.729	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1620865			0.00- 71.63	20.96
23.121	23.121 (1.112)	105	276684			0.00- 53.71	3.58
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	6640205	50.0000	56.205	80.00- 120.00	100.00
23.286	23.286 (1.120)	120	1918064			0.00- 78.89	28.89
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	5436114	50.0000	53.940	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	2589221			0.00- 98.23	47.63
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	5174103	50.0000	54.484	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	2328389			0.00- 94.91	45.00
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3554732	50.0000	52.079	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	2254977			14.68- 114.68	63.44
24.586	24.586 (1.182)	111	1469095			0.00- 91.36	41.33

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		
24.724	24.724 (1.189)	146	3628189	50.0000	51.658	80.00- 120.00	100.00
24.724	24.724 (1.189)	148	2344432			16.09- 116.09	64.62
24.724	24.724 (1.189)	111	1454096			0.00- 90.13	40.08
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	5634708	50.0000	55.488	80.00- 120.00	100.00
24.945	24.945 (1.199)	126	1042002			0.00- 69.28	18.49
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	3419553	50.0000	51.428	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	2209851			14.62- 114.62	64.62
25.360	25.360 (1.219)	111	1472747			0.00- 93.07	43.07
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2212558	50.0000	43.629	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	2103797			45.08- 145.08	95.08
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	2185891	50.0000	42.828	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	1377111			12.90- 112.90	63.00
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1033606	50.0000	52.674	80.00- 120.00	100.00
8.273	8.273 (0.596)	57	800294			27.67- 127.67	77.43
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	183717	50.0000	54.073	80.00- 120.00	100.00
6.835	6.835 (0.492)	43	1305787			666.74- 766.74	710.76
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.177)	83	1852430	50.0000	59.927	80.00- 120.00	100.00
16.346	16.346 (1.177)	98	832017			0.00- 95.22	44.91
16.346	16.346 (1.177)	55	1296235			20.82- 120.82	69.97
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	3036213	50.0000	43.257	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	380202			0.00- 62.74	12.52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030202.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: dfm
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 02-MAR-2008
Calibration Time: 11:35
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	303036	181822	424250	303515	0.16
97 1,4-Difluorobenze	1224176	734506	1713846	1266099	3.42
126 Chlorobenzene-d5	1134862	680917	1588807	1189186	4.79

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.86	13.53	14.19	13.89	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

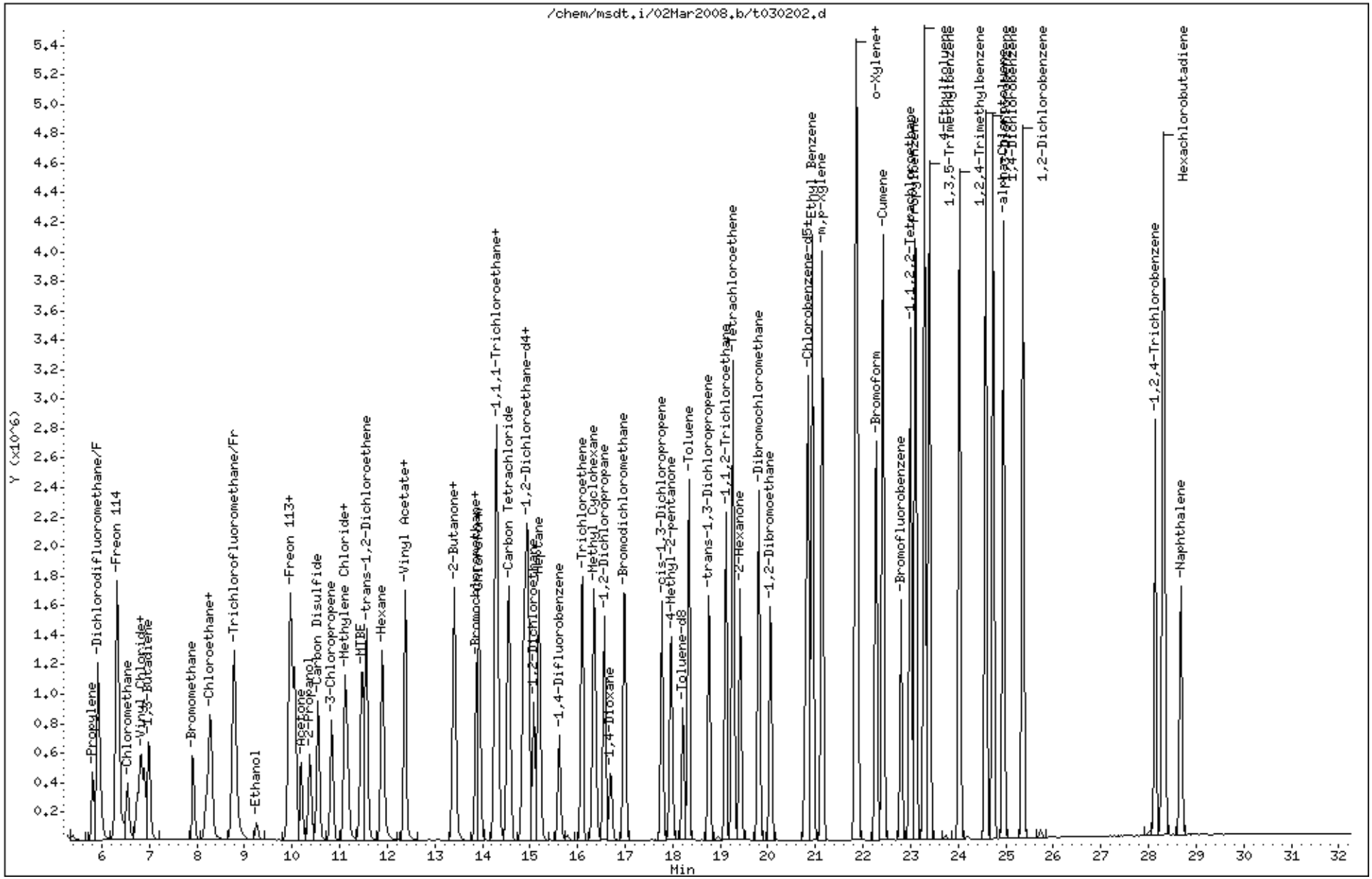
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/02Mar2008.b/t030202.d
Date : 02-MAR-2008 09:53
Client ID: CCV-1
Sample Info: 50mL #1576-261

Instrument: msdt.i

Operator: dfm

Column phase: RTx-624
Column diameter: 0.53



0191

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802426-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 10:31 AM**	

Compound	%Recovery
Freon 12	103
Freon 114	97
Vinyl Chloride	102
Bromomethane	101
Chloroethane	104
Freon 11	96
1,1-Dichloroethene	116
Freon 113	106
Methylene Chloride	106
1,1-Dichloroethane	108
cis-1,2-Dichloroethene	109
Chloroform	110
1,1,1-Trichloroethane	104
Carbon Tetrachloride	99
Benzene	103
1,2-Dichloroethane	104
Trichloroethene	105
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	109
Toluene	114
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	103
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	102
Chlorobenzene	102
Ethyl Benzene	104
m,p-Xylene	105
o-Xylene	106
Styrene	111
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	102
1,2,4-Trimethylbenzene	104
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	99
alpha-Chlorotoluene	107
1,2-Dichlorobenzene	96
1,3-Butadiene	98
Hexane	108
Cyclohexane	108

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802426-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t030203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 3/2/08 10:31 AM**	

Compound	%Recovery
Heptane	114
Bromodichloromethane	106
Dibromochloromethane	104
Cumene	110
Propylbenzene	110
Chloromethane	106
1,2,4-Trichlorobenzene	77
Hexachlorobutadiene	77
Acetone	105
Carbon Disulfide	105
2-Propanol	102
trans-1,2-Dichloroethene	105
2-Butanone (Methyl Ethyl Ketone)	108
Tetrahydrofuran	108
1,4-Dioxane	97
4-Methyl-2-pentanone	115
2-Hexanone	104
Bromoform	106
4-Ethyltoluene	108
Ethanol	104
Methyl tert-butyl ether	124
3-Chloropropene	103
2,2,4-Trimethylpentane	125
Naphthalene	76

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	101	70-130

Report Date: 02-Mar-2008 10:52

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 02Mar2008
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: lcs-1 Client Smp ID: lcs-1
Level: LOW Operator: dfm
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra30.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 200ppbv -> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	51.435	102.87	70-130
11 Propylene	50.000	51.982	103.97	60-140
167 Naphthalene	50.000	38.157	76.31	60-140
16 Freon 114	50.000	48.312	96.62	70-130
18 Chloromethane	50.000	52.770	105.54	70-130
20 Vinyl Chloride	50.000	51.226	102.45	70-130
22 1,3-Butadiene	50.000	49.149	98.30	60-140
25 Bromomethane	50.000	50.588	101.18	70-130
27 Chloroethane	50.000	51.930	103.86	70-130
31 Trichlorofluoromet	50.000	48.031	96.06	70-130
38 Ethanol	50.000	51.868	103.74	60-140
42 Freon 113	50.000	53.229	106.46	70-130
43 1,1-Dichloroethene	50.000	58.180	116.36	70-130
45 Acetone	50.000	52.694	105.39	60-140
47 Carbon Disulfide	50.000	52.537	105.07	60-140
46 2-Propanol	50.000	51.130	102.26	60-140
54 Methylene Chloride	50.000	53.166	106.33	70-130
57 tert-Butyl-Alcohol	50.000	55.202	110.40	60-140
60 MTBE	50.000	62.142	124.28	60-140
61 trans-1,2-Dichloro	50.000	52.524	105.05	60-140
65 Hexane	50.000	54.035	108.07	60-140
69 Vinyl Acetate	50.000	50.149	100.30	60-140
70 1,1-Dichloroethane	50.000	53.948	107.90	70-130
76 cis-1,2-Dichloroet	50.000	54.569	109.14	70-130
75 2-Butanone	50.000	53.815	107.63	60-140
80 Tetrahydrofuran	50.000	53.937	107.87	60-140
82 Chloroform	50.000	54.884	109.77	75-125
85 Cyclohexane	50.000	53.876	107.75	60-140
83 1,1,1-Trichloroeth	50.000	51.890	103.78	75-125
87 Carbon Tetrachlori	50.000	49.695	99.39	75-125
91 Benzene	50.000	51.584	103.17	75-125
93 1,2-Dichloroethane	50.000	52.098	104.20	75-125
94 Heptane	50.000	56.866	113.73	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
101 Trichloroethene	50.000	52.671	105.34	75-125
104 1,2-Dichloropropan	50.000	51.961	103.92	70-130
106 1,4-Dioxane	50.000	48.577	97.15	60-140
107 Bromodichlorometha	50.000	53.091	106.18	60-140
110 cis-1,3-Dichloropr	50.000	54.604	109.21	70-130
111 4-Methyl-2-pentano	50.000	57.339	114.68	60-140
114 Toluene	50.000	56.897	113.79	70-130
116 trans-1,3-Dichloro	50.000	53.425	106.85	70-130
117 1,1,2-Trichloroeth	50.000	51.708	103.42	70-130
120 Tetrachloroethene	50.000	51.611	103.22	70-130
121 2-Hexanone	50.000	52.150	104.30	60-140
122 Dibromochlorometha	50.000	52.264	104.53	60-140
123 1,2-Dibromoethane	50.000	51.024	102.05	75-125
127 Chlorobenzene	50.000	50.903	101.81	70-130
128 Ethyl Benzene	50.000	51.972	103.94	70-130
129 m,p-Xylene	50.000	52.401	104.80	75-125
130 o-Xylene	50.000	52.772	105.54	75-125
131 Styrene	50.000	55.628	111.26	75-125
133 Bromoform	50.000	52.920	105.84	60-140
140 1,1,2,2-Tetrachlor	50.000	52.924	105.85	70-130
145 4-Ethyltoluene	50.000	54.201	108.40	60-140
147 1,3,5-Trimethylben	50.000	51.039	102.08	70-130
150 1,2,4-Trimethylben	50.000	51.757	103.51	70-130
155 1,3-Dichlorobenzen	50.000	49.441	98.88	70-130
156 1,4-Dichlorobenzen	50.000	49.551	99.10	70-130
159 alpha-Chlorotoluen	50.000	53.301	106.60	70-130
161 1,2-Dichlorobenzen	50.000	48.245	96.49	70-130
165 1,2,4-Trichloroben	50.000	38.652	77.30	70-130
166 Hexachlorobutadien	50.000	38.600	77.20	70-130
142 Propylbenzene	50.000	54.824	109.65	60-140
134 Cumene	50.000	55.257	110.51	60-140
51 3-Chloropropene	50.000	51.736	103.47	60-140
89 2,2,4-Trimethylpen	50.000	62.408	124.82	60-140
19 Butane	50.000	48.606	97.21	70-130
29 Isopentane	50.000	47.759	95.52	70-130
102 Methyl Cyclohexane	50.000	55.755	111.51	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.994	103.97	70-130
$ 113 Toluene-d8	25.000	26.030	104.12	70-130
$ 137 Bromofluorobenzene	25.000	25.252	101.01	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/02Mar2008.b/t030203.d
Lab Smp Id: lcs-1 Client Smp ID: lcs-1
Inj Date : 02-MAR-2008 10:31
Operator : dfm Inst ID: msdt.i
Smp Info : 50mL #1576-255
Misc Info : 200ppbv -> 50ppbv
Comment :
Method : /chem/msdt.i/02Mar2008.b/t14q206c.m
Meth Date : 02-Mar-2008 10:13 dmendoza Quant Type: ISTD
Cal Date : 28-FEB-2008 15:24 Cal File: t022806.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	326174	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	252968			29.16- 129.16	77.56
13.886	13.858 (1.000)	49	589680			130.98- 230.98	180.79
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1312919	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	220218			0.00- 66.38	16.77
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1193136	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	699829			7.65- 107.65	58.65
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.936 (1.076)	65	545553	25.9936	25.994	80.00- 120.00	100.00
14.937	14.936 (1.076)	67	315287			3.57- 103.57	57.79
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.199	18.199 (1.165)	98	1316421	26.0298	26.030	80.00- 120.00	100.00
18.199	18.199 (1.165)	70	147541			0.00- 61.29	11.21

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.199	18.199 (1.165)	100	886151			18.71- 118.71	67.32
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	779306	25.2516	25.252	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	997102			77.36- 177.36	127.95
22.789	22.789 (1.096)	176	765092			45.57- 145.57	98.18
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	554573	51.9826	51.982	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	380309			17.96- 117.96	68.58
5.812	5.812 (0.419)	39	449451			33.44- 133.44	81.04
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	3275950	51.4349	51.435	80.00- 120.00	100.00
5.923	5.923 (0.427)	87	1043233			0.00- 82.13	31.85
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	2034046	48.3119	48.312	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	637856			0.00- 81.89	31.36
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	733763	52.7701	52.770	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	239493			0.00- 83.62	32.64
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.890 (0.496)	62	977944	51.2260	51.226	80.00- 120.00	100.00
6.891	6.890 (0.496)	64	306666			0.00- 89.61	31.36
22 1,3-Butadiene					CAS #: 106-99-0		
6.974	7.001 (0.502)	54	706110	49.1491	49.149	80.00- 120.00	100.00
6.974	6.973 (0.502)	39	672774			53.33- 153.33	95.28
25 Bromomethane					CAS #: 74-83-9		
7.914	7.913 (0.570)	94	956226	50.5882	50.588	80.00- 120.00	100.00
7.941	7.913 (0.572)	96	900534			42.65- 142.65	94.18
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	517041	51.9301	51.930	80.00- 120.00	100.00
8.190	8.190 (0.590)	49	131623			0.00- 76.71	25.46
8.190	8.190 (0.590)	66	167581			0.00- 83.02	32.41
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	3463149	48.0307	48.031	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2233219			14.76- 114.76	64.49

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.241 (0.667)	45	286134	51.8677	51.868	80.00- 120.00	100.00
9.268	9.241 (0.667)	43	63188			0.00- 75.24	22.08
9.241	9.241 (0.665)	46	106129			0.00- 89.78	37.09
42 Freon 113					CAS #: 76-13-1		
9.960	9.959 (0.717)	151	1767256	53.2293	53.229	80.00- 120.00	100.00
9.960	9.959 (0.717)	153	1124160			13.88- 113.88	63.61
9.960	9.959 (0.717)	101	2331633			80.68- 180.68	131.94
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.042 (0.723)	61	1738680	58.1799	58.180	80.00- 120.00	100.00
10.070	10.042 (0.725)	96	1036435			10.12- 110.12	59.61
10.043	10.042 (0.723)	98	666717			0.00- 87.99	38.35
45 Acetone					CAS #: 67-64-1		
10.209	10.208 (0.735)	58	488031	52.6935	52.694	80.00- 120.00	100.00
10.209	10.208 (0.735)	43	1485559			267.82- 367.82	304.40
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	1622876	51.1304	51.130	80.00- 120.00	100.00
10.374	10.374 (0.747)	43	388902			0.00- 76.64	23.96
10.402	10.374 (0.749)	59	68792			0.00- 54.31	4.24
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	2969748	52.5372	52.537	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.817 (0.781)	76	503584	51.7358	51.736	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1100155			173.84- 273.84	218.47
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1004688	53.1659	53.166	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	906266			39.58- 139.58	90.20
11.121	11.121 (0.801)	51	325404			0.00- 83.83	32.39
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.176	11.148 (0.805)	59	1909329	55.2024	55.202	80.00- 120.00	100.00
11.176	11.148 (0.805)	41	389674			0.00- 72.85	20.41
11.176	11.148 (0.805)	57	192155			0.00- 59.93	10.06
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	3371264	62.1424	62.142	80.00- 120.00	100.00
11.480	11.452 (0.827)	57	645217			0.00- 68.92	19.14
11.480	11.452 (0.827)	41	618007			0.00- 70.47	18.33

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1166498	52.5235	52.524	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	1642667			91.64- 191.64	140.82
11.563	11.563 (0.833)	98	748670			16.26- 116.26	64.18
65 Hexane					CAS #: 110-54-3		
11.923	11.895 (0.859)	57	1583624	54.0353	54.035	80.00- 120.00	100.00
11.923	11.895 (0.859)	43	910535			9.30- 109.30	57.50
11.923	11.895 (0.859)	86	279213			0.00- 66.83	17.63
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	288150	50.1493	50.149	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2604812			832.23- 932.23	903.98
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	2212097	53.9477	53.948	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	719143			0.00- 82.26	32.51
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	561430	53.8154	53.815	80.00- 120.00	100.00
13.388	13.388 (0.964)	43	1849997			283.38- 383.38	329.51
13.388	13.388 (0.964)	57	158655			0.00- 79.56	28.26
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	1505557	54.5688	54.569	80.00- 120.00	100.00
13.443	13.416 (0.968)	96	1175501			26.96- 126.96	78.08
13.443	13.416 (0.968)	98	765132			0.00- 99.49	50.82
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	949088	53.9369	53.937	80.00- 120.00	100.00
13.858	13.858 (0.998)	71	500367			2.03- 102.03	52.72
13.858	13.858 (0.998)	72	532676			2.04- 102.04	56.13
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	2600061	54.8841	54.884	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	1684248			15.57- 115.57	64.78
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.301	14.273 (1.030)	97	2718950	51.8896	51.890	80.00- 120.00	100.00
14.301	14.273 (1.030)	99	1755932			14.11- 114.11	64.58
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.300 (1.030)	84	1511574	53.8756	53.876	80.00- 120.00	100.00
14.301	14.300 (1.030)	56	1516881			52.43- 152.43	100.35
14.301	14.300 (1.030)	41	798969			2.97- 102.97	52.86

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	2501342	49.6951	49.695	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	2686725			56.33- 156.33	107.41
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	4269248	62.4076	62.408	80.00- 120.00	100.00
14.881	14.881 (1.072)	56	1381328			0.00- 82.82	32.36
14.881	14.881 (1.072)	41	1108179			0.00- 78.43	25.96
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	3385710	51.5841	51.584	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	779420			0.00- 73.50	23.02
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	1668262	52.0980	52.098	80.00- 120.00	100.00
15.075	15.075 (0.965)	64	538873			0.00- 84.23	32.30
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1056534	56.8662	56.866	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1450864			85.70- 185.70	137.32
15.185	15.185 (0.972)	57	891772			28.72- 128.72	84.41
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1480664	52.6707	52.671	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1314336			40.01- 140.01	88.77
16.098	16.098 (1.030)	97	943962			14.49- 114.49	63.75
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1150698	51.9612	51.961	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	823935			21.77- 121.77	71.60
16.568	16.568 (1.060)	41	640214			5.51- 105.51	55.64
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	787414	48.5770	48.577	80.00- 120.00	100.00
16.706	16.678 (1.069)	58	461789			9.43- 109.43	58.65
16.706	16.678 (1.069)	57	156531			0.00- 71.19	19.88
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	2670991	53.0907	53.091	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1713202			14.44- 114.44	64.14
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1842611	54.6043	54.604	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	590824			0.00- 81.64	32.06
17.784	17.784 (1.138)	39	830651			0.00- 95.05	45.08

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	879139	57.3387	57.339	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2017402			175.34- 275.34	229.47
17.978	17.978 (1.150)	85	434487			0.64- 100.64	49.42
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	3981920	56.8966	56.897	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2409536			10.04- 110.04	60.51
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.752 (0.903)	75	2014643	53.4250	53.425	80.00- 120.00	100.00
18.780	18.752 (0.903)	77	642641			0.00- 81.68	31.90
18.752	18.752 (0.902)	39	824332			0.00- 91.38	40.92
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.111 (0.919)	97	1405330	51.7081	51.708	80.00- 120.00	100.00
19.112	19.111 (0.919)	99	883210			12.92- 112.92	62.85
19.112	19.111 (0.919)	83	1209450			36.01- 136.01	86.06
120 Tetrachloroethene					CAS #: 127-18-4		
19.278	19.277 (0.927)	166	1879597	51.6113	51.611	80.00- 120.00	100.00
19.278	19.277 (0.927)	129	1298436			18.33- 118.33	69.08
19.278	19.277 (0.927)	131	1232957			14.35- 114.35	65.60
121 2-Hexanone					CAS #: 591-78-6		
19.416	19.416 (0.934)	58	1186832	52.1501	52.150	80.00- 120.00	100.00
19.416	19.416 (0.934)	43	2008097			116.83- 216.83	169.20
19.416	19.416 (0.934)	100	245981			0.00- 71.71	20.73
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2418583	52.2641	52.264	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1853132			28.82- 128.82	76.62
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.052	20.051 (0.964)	107	2205793	51.0244	51.024	80.00- 120.00	100.00
20.052	20.051 (0.964)	109	2047811			42.13- 142.13	92.84
127 Chlorobenzene					CAS #: 108-90-7		
20.854	20.853 (1.003)	112	3193769	50.9027	50.903	80.00- 120.00	100.00
20.854	20.853 (1.003)	114	1007263			0.00- 81.58	31.54
20.854	20.853 (1.003)	77	2022445			13.53- 113.53	63.32
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	1689547	51.9720	51.972	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	5467194			269.96- 369.96	323.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene					CAS #: 108-38-3		
21.130	21.130 (1.016)	106	2145073	52.4008	52.401	80.00- 120.00	100.00
21.130	21.130 (1.016)	91	4452882			149.87- 249.87	207.59
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	2054948	52.7720	52.772	80.00- 120.00	100.00
21.849	21.849 (1.051)	91	4465025			167.55- 267.55	217.28
131 Styrene					CAS #: 100-42-5		
21.877	21.876 (1.052)	104	3318648	55.6280	55.628	80.00- 120.00	100.00
21.877	21.876 (1.052)	78	1748405			2.08- 102.08	52.68
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2628693	52.9204	52.920	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1343312			1.04- 101.04	51.10
134 Cumene					CAS #: 98-82-8		
22.430	22.429 (1.078)	105	5935435	55.2571	55.257	80.00- 120.00	100.00
22.430	22.429 (1.078)	120	1506720			0.00- 77.62	25.39
22.430	22.429 (1.078)	51	529038			0.00- 58.75	8.91
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	3305790	52.9238	52.924	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	2145422			15.19- 115.19	64.90
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.093 (1.112)	91	7633984	54.8246	54.824	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1598180			0.00- 71.63	20.94
23.121	23.121 (1.112)	105	269380			0.00- 53.71	3.53
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.286 (1.120)	105	6424683	54.2010	54.201	80.00- 120.00	100.00
23.287	23.286 (1.120)	120	1874966			0.00- 78.89	29.18
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	5160795	51.0388	51.039	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	2465942			0.00- 98.23	47.78
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	4931541	51.7575	51.757	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	2206547			0.00- 94.91	44.74
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3385892	49.4411	49.441	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	2162261			14.68- 114.68	63.86
24.586	24.586 (1.182)	111	1421032			0.00- 91.36	41.97

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.724	24.724 (1.189)	146	3491780	49.5510	49.551	80.00- 120.00	100.00
24.724	24.724 (1.189)	148	2196879			16.09- 116.09	62.92
24.724	24.724 (1.189)	111	1369267			0.00- 90.13	39.21
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.945 (1.199)	91	5430587	53.3008	53.301	80.00- 120.00	100.00
24.946	24.945 (1.199)	126	995902			0.00- 69.28	18.34
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	3218508	48.2447	48.245	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	2055503			14.62- 114.62	63.87
25.360	25.360 (1.219)	111	1388494			0.00- 93.07	43.14
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	1966674	38.6520	38.652	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	1887205			45.08- 145.08	95.96
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	1976642	38.6002	38.600	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	1245965			12.90- 112.90	63.03
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1007134	47.7595	47.759	80.00- 120.00	100.00
8.301	8.273 (0.598)	57	787885			27.67- 127.67	78.23
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	177469	48.6055	48.606	80.00- 120.00	100.00
6.808	6.835 (0.490)	43	1275356			666.74- 766.74	718.63
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.346 (1.177)	83	1852161	55.7554	55.755	80.00- 120.00	100.00
16.374	16.346 (1.179)	98	827827			0.00- 95.22	44.70
16.347	16.346 (1.177)	55	1311813			20.82- 120.82	70.83
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	2687149	38.1570	38.157	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	325970			0.00- 62.74	12.13

Report Date: 02-Mar-2008 10:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t030203.d
Lab Smp Id: lcs-1
Analysis Type: VOA
Quant Type: ISTD
Operator: dfm
Method File: /chem/msdt.i/02Mar2008.b/t14q206c.m
Misc Info: 200ppbv -> 50ppbv

Calibration Date: 02-MAR-2008
Calibration Time: 09:53
Client Smp ID: lcs-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	303515	182109	424921	326174	7.47
97 1,4-Difluorobenze	1266099	759659	1772539	1312919	3.70
126 Chlorobenzene-d5	1189186	713512	1664860	1193136	0.33

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	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.

0206

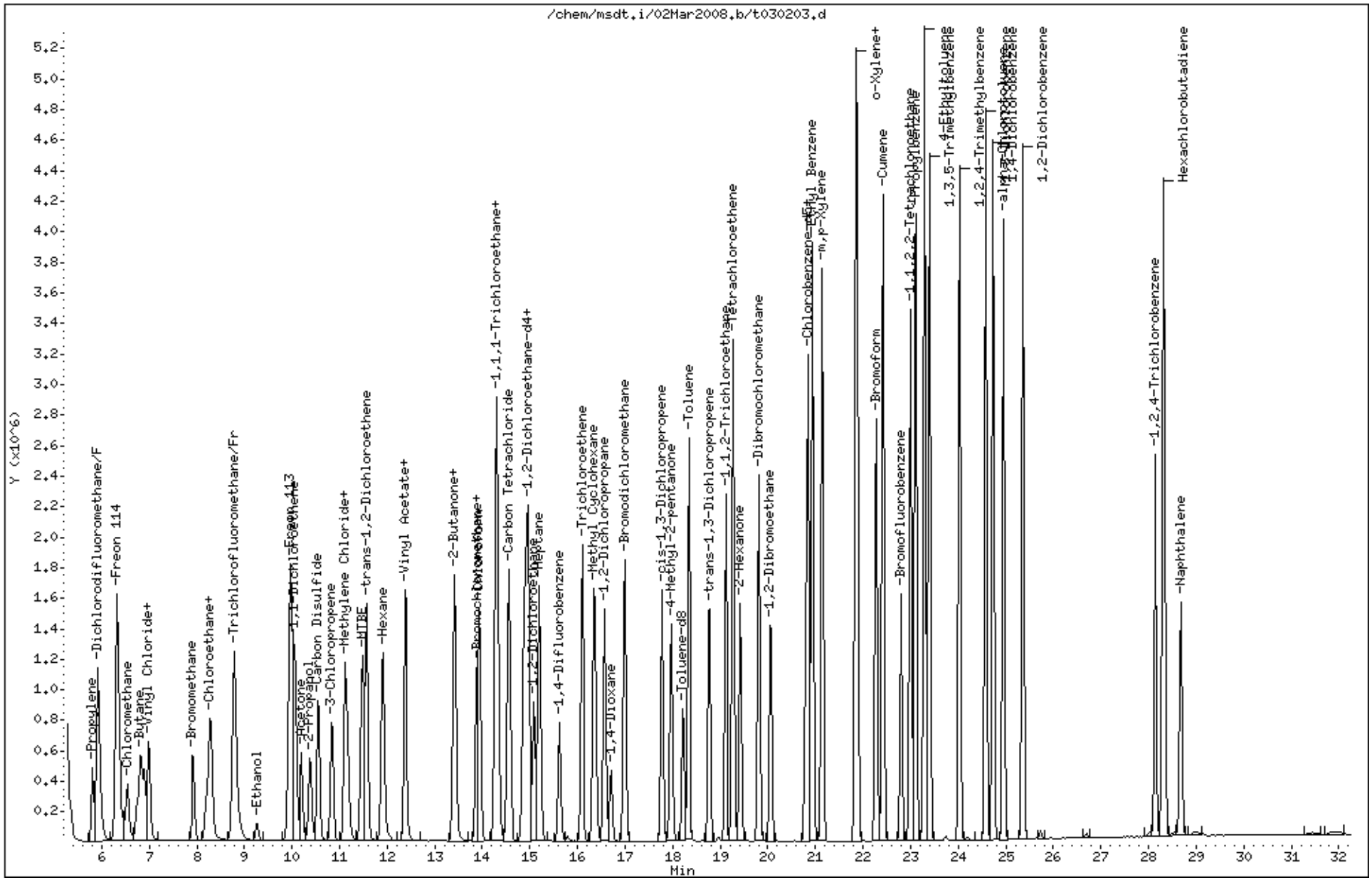
Data File: /chem/msdt.i/02Mar2008.b/t030203.d
Date : 02-MAR-2008 10:31
Client ID: lcs-1
Sample Info: 50mL #1576-255

Instrument: msdt.i

Operator: dfm

Column phase: RTx-624

Column diameter: 0.53



@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

0207

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	19.45
75	30.0 – 60.0% of mass 95	51.73
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.55
173	Less than 2.0% of mass 174	(0.77)[1]
174	Greater than 50.0% of mass 95	73.30
175	5.0 – 9.0% of mass 174	(7.38)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.88)[1]
177	5.0 – 9.0% of mass 176	(6.32)[2]

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

Verify 176/174 m/z Ratio: 1189696 / 1228032 x100 = 96.88%

BFB Injection Date: 3/2/08
BFB Injection Time: 0925
BFB File ID: T030201
Tekmar Purge Flow: Zon3/1/08
Vacuum:

IS/S Std.#: 1443-398	Exp. Date: 3/28/09
BCM	303515
1,4-DFB	1266099
CB-d5	1189186

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

NOAH Cart #: NA File #: NA

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(1280630)}{(1266099)} \times \frac{(25.0)}{(0.96300)} = 26.258$

Reported Result 26.258

File ID:	T030202
Compound:	Tol-d8
Initials:	[signature]

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T030201	BFB Tune Check	1476-334	50ng	2.0ml	1.00	3/2/07	0925	[initials]/KR	
2	✓	02	ccv-1 (200ppbv)	576261	50ppbv	50ml			0953	[initials]/KR	AFTER BOOK MISE 2047 2,71 3.0 ↑
3	✓	03	LCS-1 ( )	255					1031	[initials] KR	OUT
4	✓	04	CCV-sp ( )	299					1135	[initials]/KR	OUT
5	X	05	System Blank	33668	200ml	200ml			1238	[initials]	
6	✓	06	Lab Blank	↓	Hund	200ml			1326	[initials]/KR	200ml lock
7	✓	07	0802517 -09A	2012	3.0psig/15psi	200ml	2.24		1424	XP/KR	
8	✓	08	-09AA						1511	XP/KR	"E" Cycle Hexane
9	✓	09	-08A	35197	3.5psig/15psi	1.0ml	458		1601	XP/KR	

[signature]
Signature

3-3-08
Date

10	✓	To30210	System Blank	33668	Humid	200ml	1.00	3-2-2008	1648	XP/KR	
11	✓	11	0802517-04A	34606	4.0"Hg -5psi	100x 25ml	1860	↓	1742	XP/KR	SST matrix
12	✓	12	0802426 -01A	13859	2.0"Hg -5psi	200ml	1.44	↓	1845	XP/KR	
13	✓	13	↓ -02A	36048	5.5"Hg -5psi	200ml	1.61	↓	1935	XP/KR	
14	X	14	0802550A-01A	[illegible]	5.5"Hg -5psi	100ml	3.28	↓	2013	XP/–	RR 50ml
15	✓	15	-03A	1056	7.5"Hg -5psi	200ml	1.79	↓	2101	XP/KR	
16	✓	16	-01A	[illegible]	5.5"Hg -5psi	50ml	6.56	↓	2149	XP/KR	can # 34268
17	✓	17	-02A	25298	5.5"Hg -5psi	15ml	21.9	↓	2330	KR	
18	✓	18	0802480- 01A	11833	8.0"Hg -15psi	200ml	2.76	3-3-08	0021	KR	
19	✓	19	-02A	33731	9.0"Hg -15psi	200ml	2.89	↓	0103	KR	
20	✓	20	-03A	2125	8.0"Hg -15psi	200ml	2.76	↓	0141	KR	
21	✓	21	-03AA	↓	↓	↓	↓	↓	0220	KR	
22	✓	22	0802463 - 01A	35333	4.5"Hg -15psi	200ml	2.38	↓	0304	KR	
23	✓	23.	-02A	14510	3.5"Hg -15psi	200ml	2.29	↓	0342	KR	
24	✓	24	-03A	33726	4.5"Hg -15psi	200ml	2.38	↓	0426	KR	
25	✓	25	-04A	35612	3.0"Hg -15psi	200ml	2.24	↓	0512	KR	
26	✓	26	-05A	1475	5.0"Hg -15psi	200ml	2.42	↓	0550	KR	
27	✓	27	-06A	1470	0.0"Hg -15psi	200ml	2.02	↓	0081	fo	
28											
29											
30											
31			fo 3/3/08								
32											

Comments:

Laura Overmy
Signature

3/3/08
Date

Air Toxics Ltd.

Data file : /chem/msdt.i/06Feb2008.b/t020605.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 06-FEB-2008 12:26
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1476-65;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/06Feb2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.137	8.228	-0.091	95	1779728			100.00- 100.00	100.00
8.137	8.228	-0.091	50	339425			15.00- 40.00	19.07
8.137	8.228	-0.091	75	907414			30.00- 60.00	50.99
8.137	8.228	-0.091	96	114946			5.00- 9.00	6.46
8.137	8.228	-0.091	173	10246			0.00- 2.00	0.76
8.137	8.228	-0.091	174	1351956			50.00- 100.00	75.96
8.137	8.228	-0.091	175	95866			5.00- 9.00	7.09
8.137	8.228	-0.091	176	1308292			95.00- 101.00	96.77
8.137	8.228	-0.091	177	83826			5.00- 9.00	6.41

Data File: /chem/msdt.i/06Feb2008.b/t020605.d

Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

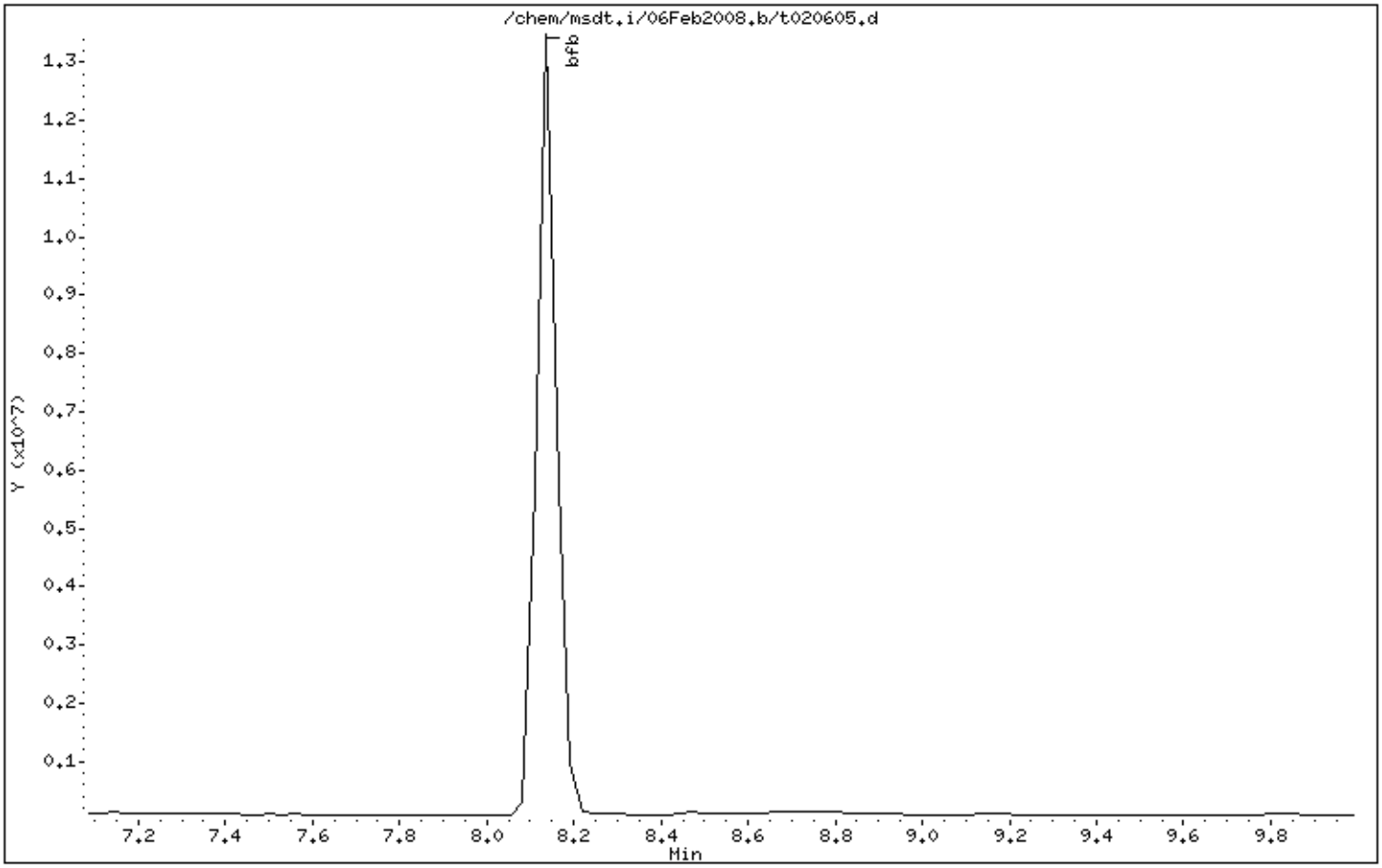
Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/06Feb2008.b/t020605.d

Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

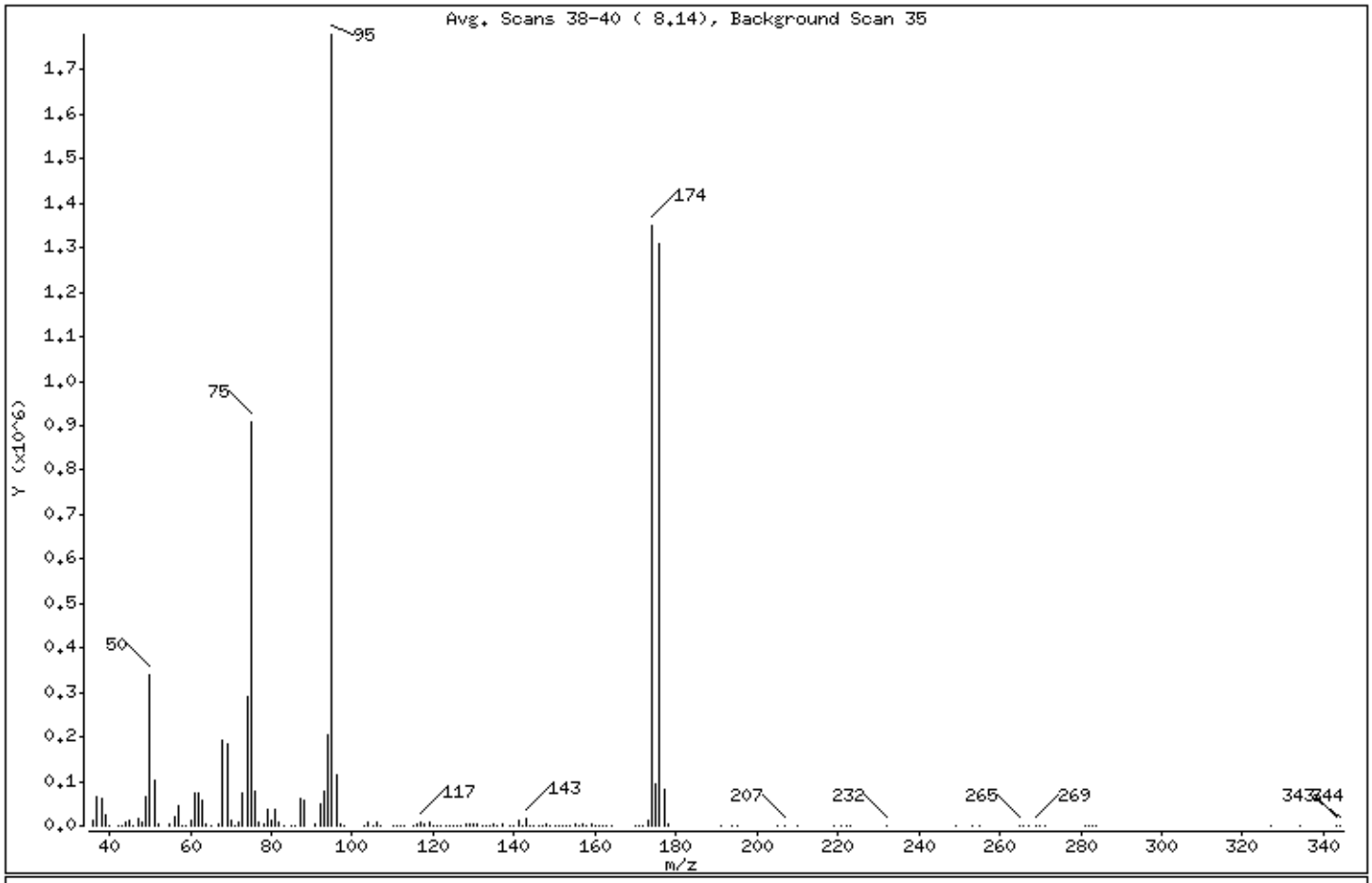
Volume Injected (uL): 1.0

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	19.07
75	30.00 - 60.00% of mass 95	50.99
96	5.00 - 9.00% of mass 95	6.46
173	Less than 2.00% of mass 174	0.58 (0.76)
174	50.00 - 100.00% of mass 95	75.96
175	5.00 - 9.00% of mass 174	5.39 (7.09)
176	95.00 - 101.00% of mass 174	73.51 (96.77)
177	5.00 - 9.00% of mass 176	4.71 (6.41)

Data File: /chem/msdt.i/06Feb2008.b/t020605.d

Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t020605.d
Spectrum: Avg. Scans 38-40 (8.14), Background Scan 35
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11868	78.00	4902	126.00	750	170.00	394
37.00	67456	79.00	35568	127.00	256	171.00	366
38.00	61864	80.00	11217	128.00	5303	172.00	313
39.00	24408	81.00	38600	129.00	2849	173.00	10246
40.00	809	82.00	7818	130.00	5374	174.00	1351680
42.00	116	83.00	1089	131.00	2614	175.00	95864
43.00	208	85.00	368	132.00	426	176.00	1308160
44.00	6973	86.00	1391	133.00	378	177.00	83824
45.00	14172	87.00	61776	134.00	371	178.00	2817
46.00	678	88.00	57896	135.00	2350	191.00	131
47.00	14753	91.00	5052	136.00	674	194.00	264
48.00	8336	92.00	48008	137.00	2553	195.00	558
49.00	65200	93.00	76000	139.00	471	205.00	114
50.00	339392	94.00	203584	140.00	1013	207.00	1194
51.00	101208	95.00	1779712	141.00	14090	210.00	77
52.00	4346	96.00	114944	142.00	1551	219.00	145
55.00	3726	97.00	3201	143.00	14923	221.00	334
56.00	22448	98.00	120	144.00	1084	222.00	114
57.00	45672	103.00	848	145.00	1323	223.00	226
58.00	1907	104.00	6301	146.00	1960	232.00	523
59.00	141	105.00	1991	147.00	922	249.00	71
60.00	13906	106.00	6238	148.00	3718	253.00	195
61.00	74088	107.00	1653	149.00	1138	255.00	137
62.00	75568	110.00	675	150.00	1852	265.00	364
63.00	59016	111.00	1074	151.00	180	266.00	103
64.00	5017	112.00	907	152.00	749	267.00	160
65.00	653	113.00	1008	153.00	1310	269.00	383
67.00	4121	115.00	1360	154.00	1010	270.00	93
68.00	191296	116.00	5195	155.00	3899	271.00	44
69.00	186112	117.00	9431	156.00	765	281.00	131
70.00	13146	118.00	5275	157.00	2711	282.00	44
71.00	775	119.00	7182	158.00	303	283.00	295
72.00	8386	120.00	494	159.00	2153	284.00	164
73.00	72864	121.00	110	160.00	132	327.00	7
74.00	290560	122.00	399	161.00	2043	334.00	23

Date : 06-FEB-2008 12:26

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t020605.d
Spectrum: Avg. Scans 38-40 (8.14), Background Scan 35
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	907392	123.00	589	162.00	100	343.00	53
76.00	77416	124.00	1026	163.00	110	344.00	409
77.00	8505	125.00	679	164.00	137		

Air Toxics Ltd.

Data file : /chem/msdt.i/07Feb2008.b/t020701.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 07-FEB-2008 09:18
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1476-65;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/07Feb2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb							CAS #: 460-00-4	
8.110	8.228	-0.118	95	1992852			100.00- 100.00	100.00
8.110	8.228	-0.118	50	375252			15.00- 40.00	18.83
8.110	8.228	-0.118	75	1012006			30.00- 60.00	50.78
8.110	8.228	-0.118	96	126643			5.00- 9.00	6.35
8.110	8.228	-0.118	173	11883			0.00- 2.00	0.80
8.110	8.228	-0.118	174	1477051			50.00- 100.00	74.12
8.110	8.228	-0.118	175	107416			5.00- 9.00	7.27
8.110	8.228	-0.118	176	1426273			95.00- 101.00	96.56
8.110	8.228	-0.118	177	92340			5.00- 9.00	6.47

Data File: /chem/msdt.i/07Feb2008.b/t020701.d

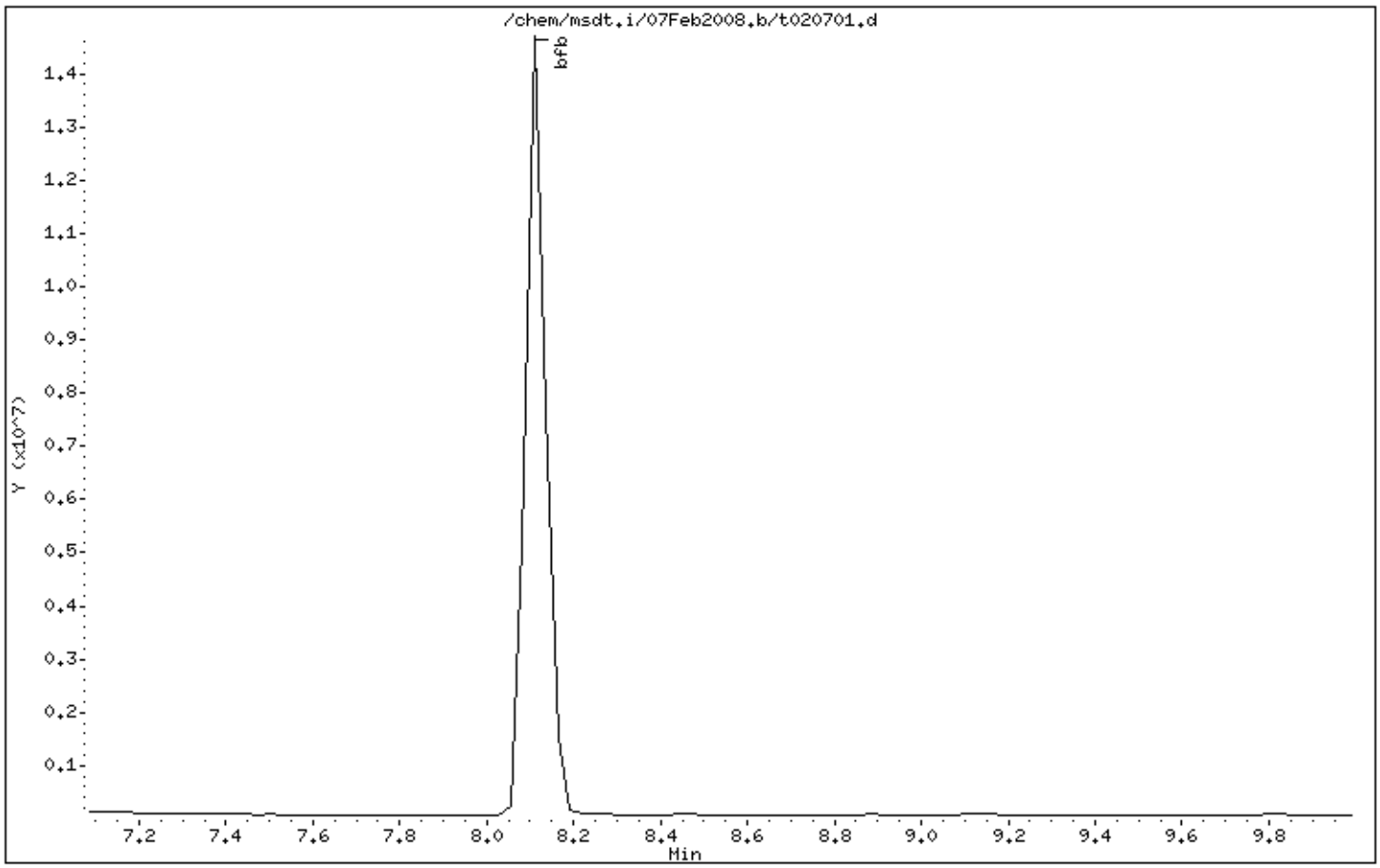
Date : 07-FEB-2008 09:18

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/07Feb2008.b/t020701.d

Date : 07-FEB-2008 09:18

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

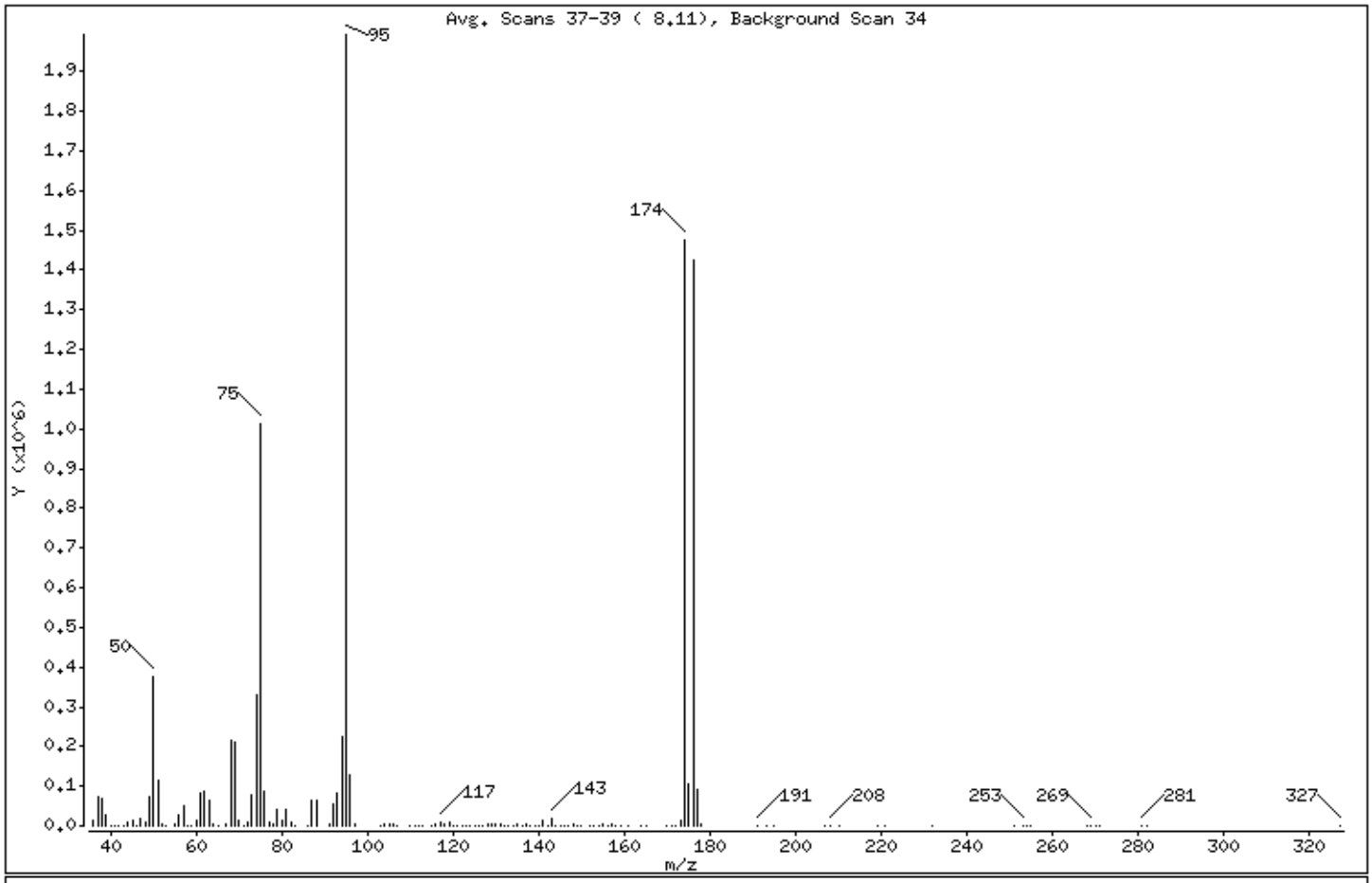
Volume Injected (uL): 1.0

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	18.83
75	30.00 - 60.00% of mass 95	50.78
96	5.00 - 9.00% of mass 95	6.35
173	Less than 2.00% of mass 174	0.60 (0.80)
174	50.00 - 100.00% of mass 95	74.12
175	5.00 - 9.00% of mass 174	5.39 (7.27)
176	95.00 - 101.00% of mass 174	71.57 (96.56)
177	5.00 - 9.00% of mass 176	4.63 (6.47)

Date : 07-FEB-2008 09:18

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t020701.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12590	74.00	328320	122.00	327	159.00	2019
37.00	74864	75.00	1011968	123.00	458	161.00	1796
38.00	68272	76.00	86624	124.00	864	164.00	100
39.00	27184	77.00	9661	125.00	646	165.00	280
40.00	898	78.00	5581	126.00	450	170.00	224
41.00	146	79.00	41696	127.00	490	171.00	344
42.00	52	80.00	13412	128.00	5690	172.00	1138
43.00	354	81.00	42840	129.00	3168	173.00	11883
44.00	7813	82.00	9164	130.00	6014	174.00	1476608
45.00	15073	83.00	949	131.00	2682	175.00	107416
46.00	1296	86.00	1438	132.00	366	176.00	1425920
47.00	17736	87.00	66264	133.00	117	177.00	92336
48.00	9775	88.00	62928	134.00	619	178.00	2849
49.00	72104	91.00	5391	135.00	2471	191.00	386
50.00	375232	92.00	53016	136.00	656	193.00	49
51.00	113264	93.00	82608	137.00	2437	195.00	163
52.00	4548	94.00	224704	138.00	122	207.00	79
53.00	189	95.00	1992704	139.00	626	208.00	538
55.00	4474	96.00	126640	140.00	1092	210.00	143
56.00	25416	97.00	3779	141.00	15389	219.00	262
57.00	50472	103.00	578	142.00	1643	221.00	240
58.00	1976	104.00	6737	143.00	16333	232.00	76
59.00	71	105.00	2463	144.00	980	251.00	107
60.00	15410	106.00	6556	145.00	1475	253.00	298
61.00	82160	107.00	2074	146.00	2283	254.00	100
62.00	85144	110.00	909	147.00	1251	255.00	105
63.00	65960	111.00	1186	148.00	4141	268.00	120
64.00	5791	112.00	905	149.00	912	269.00	303
65.00	857	113.00	1014	150.00	1708	270.00	11
67.00	4448	115.00	1419	152.00	888	271.00	149
68.00	213696	116.00	5788	153.00	1322	281.00	88
69.00	209280	117.00	9607	154.00	1107	282.00	21
70.00	14643	118.00	5909	155.00	4174	327.00	131
71.00	664	119.00	8235	156.00	709		
72.00	9006	120.00	397	157.00	2884		

Date : 07-FEB-2008 09:18

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t020701.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	79208	121.00	106	158.00	325		

Air Toxics Ltd.

Data file : /chem/msdt.i/21Feb2008.b/t022101.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 21-FEB-2008 08:30
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1476-274;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/21Feb2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.082	8.228	-0.146	95	1820880			100.00- 100.00	100.00
8.082	8.228	-0.146	50	350549			15.00- 40.00	19.25
8.082	8.228	-0.146	75	924575			30.00- 60.00	50.78
8.082	8.228	-0.146	96	117792			5.00- 9.00	6.47
8.082	8.228	-0.146	173	9781			0.00- 2.00	0.76
8.082	8.228	-0.146	174	1294506			50.00- 100.00	71.09
8.082	8.228	-0.146	175	93327			5.00- 9.00	7.21
8.082	8.228	-0.146	176	1244707			95.00- 101.00	96.15
8.082	8.228	-0.146	177	79913			5.00- 9.00	6.42

Data File: /chem/msdt.i/21Feb2008.b/t022101.d

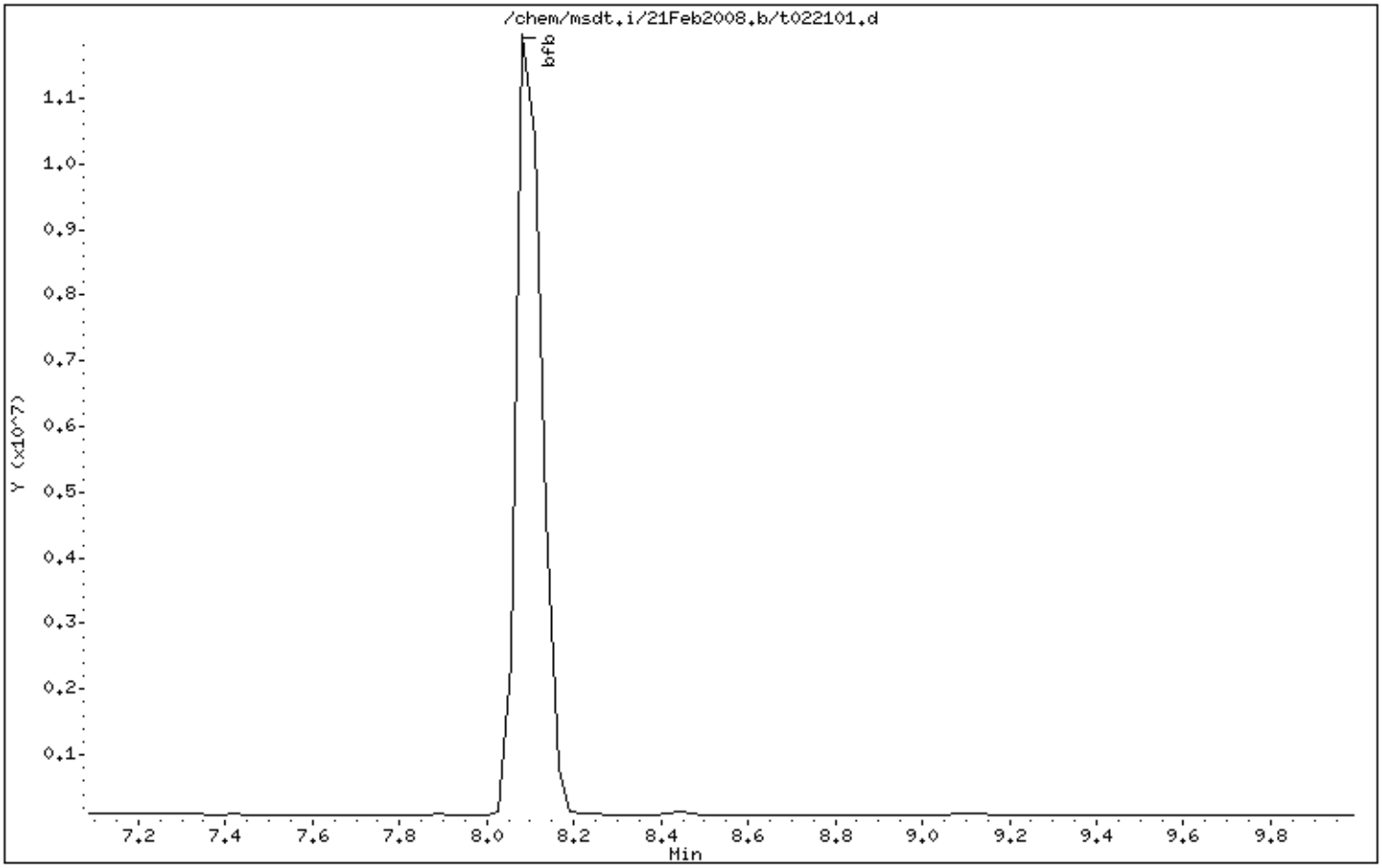
Date : 21-FEB-2008 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/21Feb2008.b/t022101.d

Date : 21-FEB-2008 08:30

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

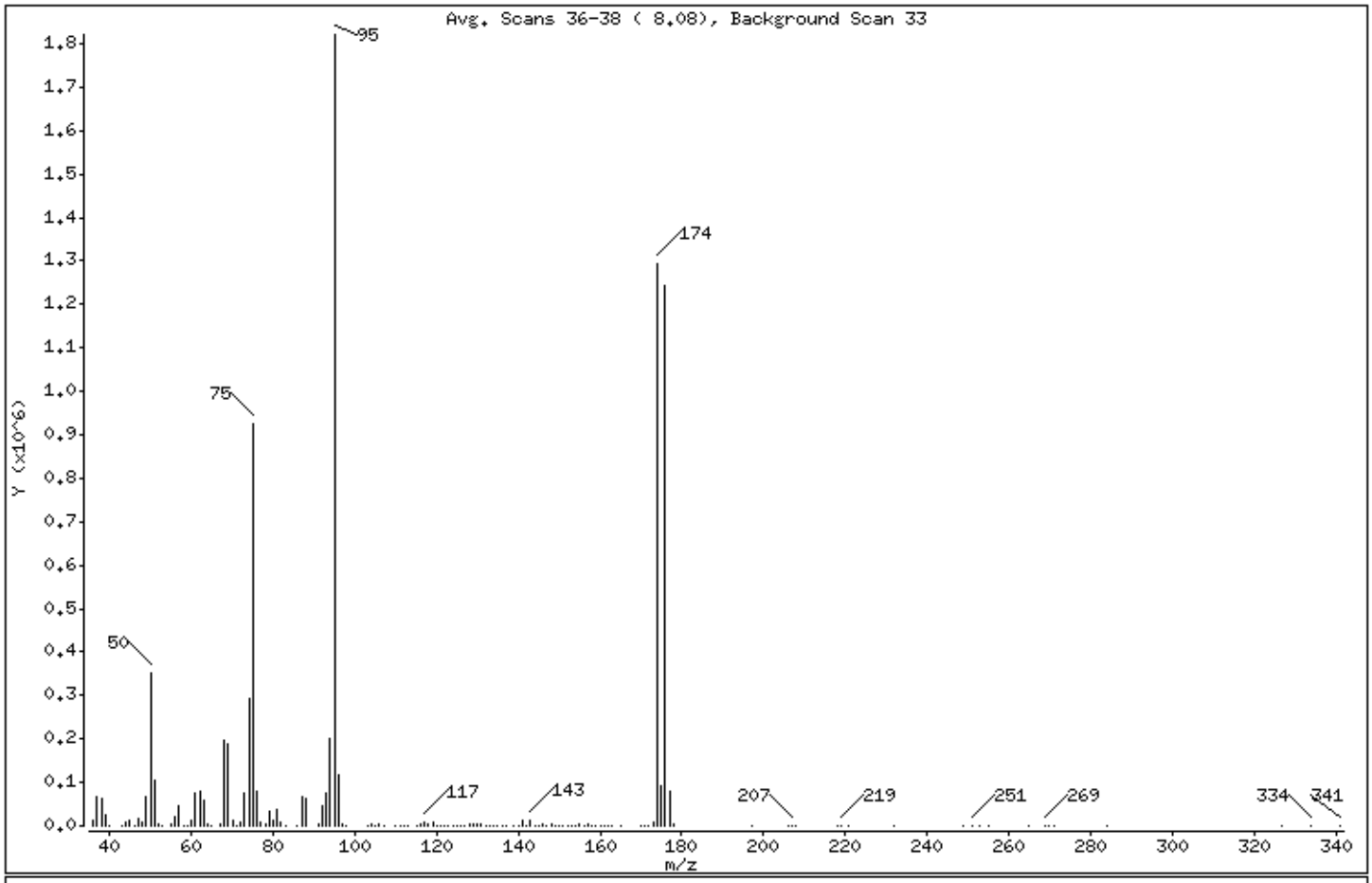
Volume Injected (uL): 1.0

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	19.25
75	30.00 - 60.00% of mass 95	50.78
96	5.00 - 9.00% of mass 95	6.47
173	Less than 2.00% of mass 174	0.54 (0.76)
174	50.00 - 100.00% of mass 95	71.09
175	5.00 - 9.00% of mass 174	5.13 (7.21)
176	95.00 - 101.00% of mass 174	68.36 (96.15)
177	5.00 - 9.00% of mass 176	4.39 (6.42)

Date : 21-FEB-2008 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t022101.d
Spectrum: Avg. Scans 36-38 (8.08), Background Scan 33
Location of Maximum: 95.00
Number of points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	12312	76.00	78792	123.00	414	160.00	108
37.00	69032	77.00	9068	124.00	775	161.00	1558
38.00	64704	78.00	5285	125.00	617	162.00	105
39.00	25984	79.00	34864	126.00	834	163.00	116
40.00	577	80.00	11065	127.00	249	165.00	27
43.00	373	81.00	35768	128.00	5066	170.00	308
44.00	7153	82.00	7962	129.00	2566	171.00	591
45.00	14309	83.00	752	130.00	5090	172.00	721
46.00	755	86.00	1306	131.00	2175	173.00	9781
47.00	16656	87.00	66488	132.00	329	174.00	1294336
48.00	8666	88.00	61120	133.00	29	175.00	93320
49.00	65160	91.00	5107	134.00	338	176.00	1244672
50.00	350528	92.00	47664	135.00	1758	177.00	79912
51.00	104888	93.00	75816	136.00	587	178.00	2496
52.00	4313	94.00	201344	137.00	2046	197.00	111
53.00	298	95.00	1820672	139.00	434	206.00	112
55.00	3609	96.00	117792	140.00	817	207.00	1425
56.00	22192	97.00	2776	141.00	11673	208.00	63
57.00	45784	98.00	128	142.00	1444	218.00	114
58.00	1883	103.00	395	143.00	12062	219.00	258
59.00	189	104.00	5835	144.00	764	221.00	63
60.00	14519	105.00	2027	145.00	1149	232.00	9
61.00	75712	106.00	5397	146.00	2179	249.00	199
62.00	77544	107.00	1801	147.00	982	251.00	334
63.00	58952	110.00	649	148.00	3247	253.00	81
64.00	5084	111.00	1031	149.00	1040	255.00	150
65.00	915	112.00	581	150.00	1486	265.00	63
67.00	4190	113.00	895	151.00	376	269.00	189
68.00	194688	115.00	1247	152.00	798	270.00	26
69.00	189888	116.00	4613	153.00	1088	271.00	14
70.00	13410	117.00	8446	154.00	965	284.00	104
71.00	482	118.00	4706	155.00	3563	327.00	45
72.00	8310	119.00	7194	156.00	626	334.00	48
73.00	74384	120.00	307	157.00	2589	341.00	142
74.00	294912	121.00	269	158.00	152		

Date : 21-FEB-2008 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t022101.d
Spectrum: Avg. Scans 36-38 (8.08), Background Scan 33
Location of Maximum: 95.00
Number of points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	924544	122.00	498	159.00	1646		

Air Toxics Ltd.

Data file : /chem/msdt.i/28Feb2008.b/t022801.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 28-FEB-2008 08:35
Operator : sjr Inst ID: msdt.i
Smp Info : 2.0uL #1476-274;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/28Feb2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.110	8.228	-0.118	95	1602287			100.00- 100.00	100.00
8.110	8.228	-0.118	50	304640			15.00- 40.00	19.01
8.110	8.228	-0.118	75	822566			30.00- 60.00	51.34
8.110	8.228	-0.118	96	104157			5.00- 9.00	6.50
8.110	8.228	-0.118	173	9377			0.00- 2.00	0.76
8.110	8.228	-0.118	174	1231218			50.00- 100.00	76.84
8.110	8.228	-0.118	175	88218			5.00- 9.00	7.17
8.110	8.228	-0.118	176	1188562			95.00- 101.00	96.54
8.110	8.228	-0.118	177	77563			5.00- 9.00	6.53

Data File: /chem/msdt.i/28Feb2008.b/t022801.d

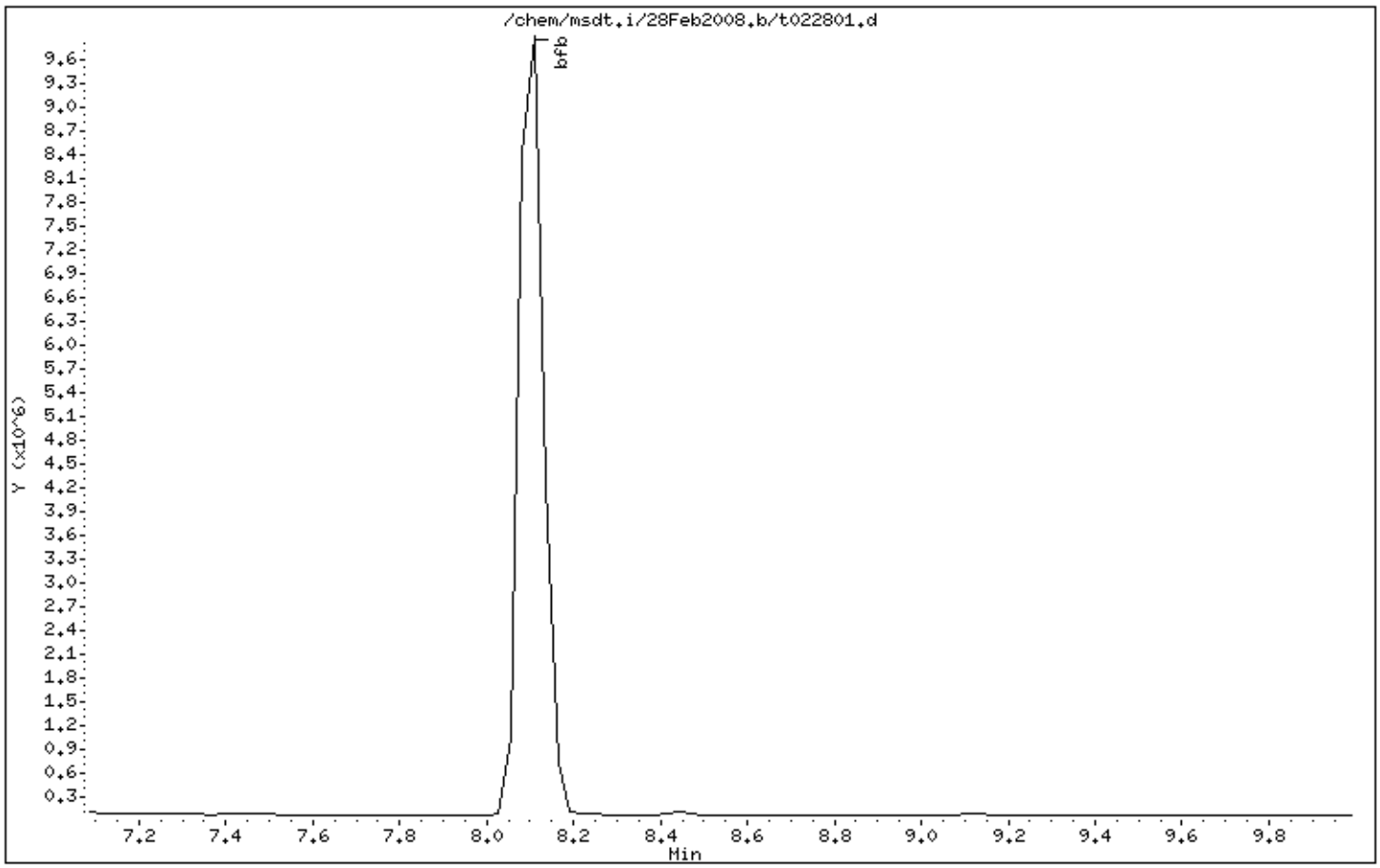
Date : 28-FEB-2008 08:35

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/28Feb2008.b/t022801.d

Date : 28-FEB-2008 08:35

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

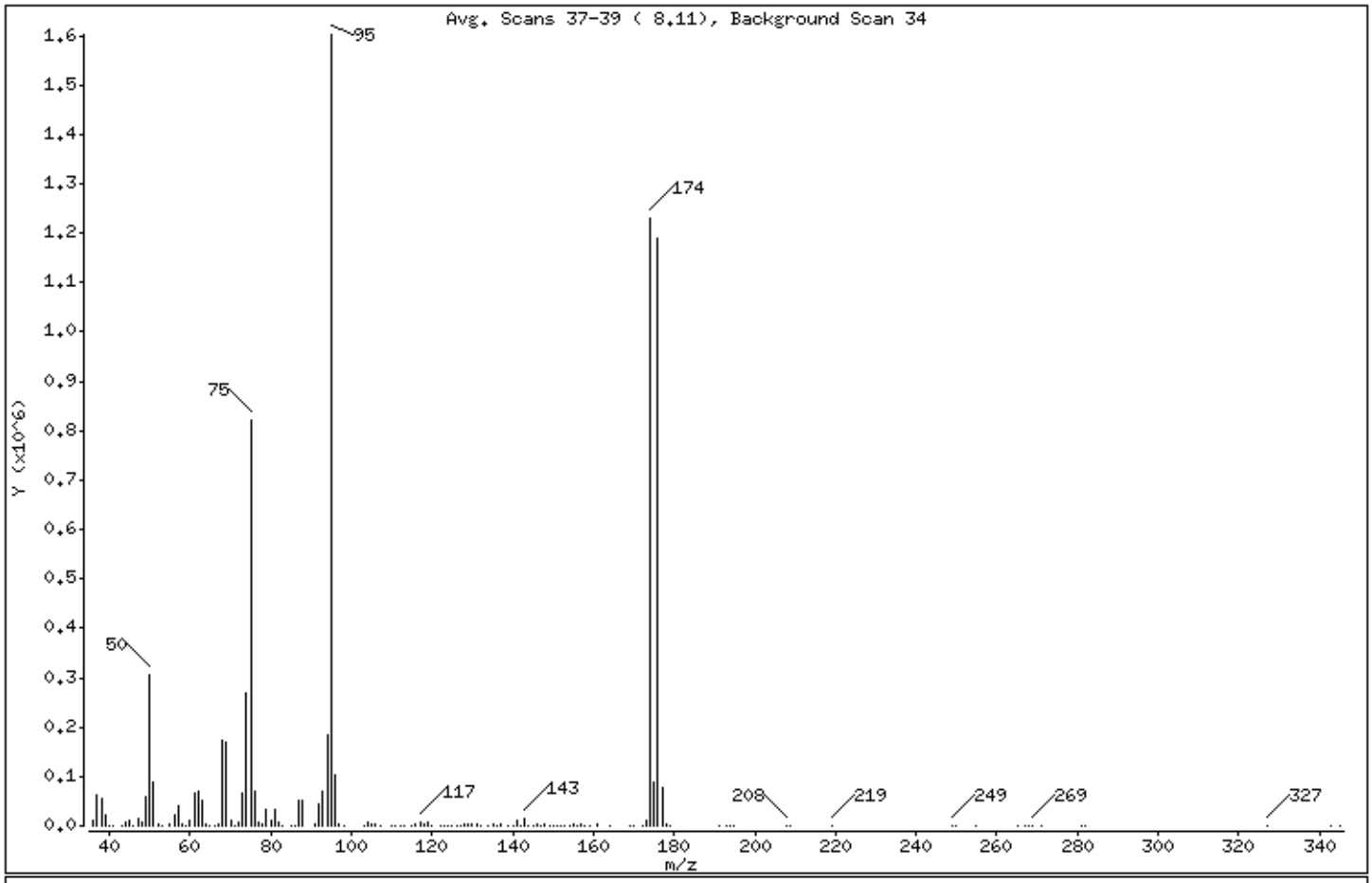
Volume Injected (uL): 1.0

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	19.01
75	30.00 - 60.00% of mass 95	51.34
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.59 (0.76)
174	50.00 - 100.00% of mass 95	76.84
175	5.00 - 9.00% of mass 174	5.51 (7.17)
176	95.00 - 101.00% of mass 174	74.18 (96.54)
177	5.00 - 9.00% of mass 176	4.84 (6.53)

Data File: /chem/msdt.i/28Feb2008.b/t022801.d

Date : 28-FEB-2008 08:35

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t022801.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11034	74.00	269568	120.00	270	159.00	1591
37.00	61272	75.00	822528	122.00	272	161.00	1874
38.00	55208	76.00	70112	123.00	458	164.00	131
39.00	22056	77.00	7490	124.00	875	169.00	103
40.00	770	78.00	4079	125.00	224	170.00	146
41.00	113	79.00	33440	126.00	565	172.00	1465
43.00	316	80.00	10925	127.00	584	173.00	9377
44.00	6785	81.00	34552	128.00	4605	174.00	1230848
45.00	11889	82.00	7278	129.00	2320	175.00	88216
46.00	674	83.00	748	130.00	4958	176.00	1188352
47.00	14290	85.00	126	131.00	2179	177.00	77560
48.00	7734	86.00	1153	132.00	269	178.00	2055
49.00	58304	87.00	52920	134.00	669	179.00	152
50.00	304640	88.00	51032	135.00	2261	191.00	246
51.00	89880	91.00	4208	136.00	8	193.00	213
52.00	4362	92.00	44296	137.00	2303	194.00	237
53.00	112	93.00	68448	139.00	357	195.00	125
55.00	3617	94.00	183104	140.00	889	208.00	260
56.00	20424	95.00	1602048	141.00	12711	209.00	66
57.00	40072	96.00	104152	142.00	1454	219.00	103
58.00	1940	97.00	2993	143.00	12964	249.00	248
59.00	35	98.00	144	144.00	878	250.00	104
60.00	12741	103.00	476	145.00	1123	255.00	118
61.00	67736	104.00	5761	146.00	1952	265.00	242
62.00	69784	105.00	2023	147.00	654	267.00	230
63.00	52520	106.00	5487	148.00	3361	268.00	111
64.00	4801	107.00	1738	149.00	1004	269.00	519
65.00	748	110.00	641	150.00	1579	271.00	121
66.00	106	111.00	849	151.00	226	281.00	26
67.00	4032	112.00	545	152.00	727	282.00	410
68.00	174208	113.00	848	153.00	928	327.00	161
69.00	168512	115.00	1002	154.00	858	343.00	54
70.00	12205	116.00	4438	155.00	3479	345.00	109
71.00	364	117.00	7903	156.00	626		
72.00	7893	118.00	4332	157.00	2671		

Date : 28-FEB-2008 08:35

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: sjr

Column phase: Column diameter: 2.00

Data File: t022801.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 141

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	66472	119.00	6348	158.00	262		

Air Toxics Ltd.

Data file : /chem/msdt.i/02Mar2008.b/t030201.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 02-MAR-2008 09:25
Operator : dfm Inst ID: msdt.i
Smp Info : 2.0uL #1476-274;BFB Tune check;BFB Tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/02Mar2008.b/bfb.m
Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
8.110	8.228	-0.118	95	1675357			100.00- 100.00	100.00
8.110	8.228	-0.118	50	325826			15.00- 40.00	19.45
8.110	8.228	-0.118	75	866722			30.00- 60.00	51.73
8.110	8.228	-0.118	96	109812			5.00- 9.00	6.55
8.110	8.228	-0.118	173	9501			0.00- 2.00	0.77
8.110	8.228	-0.118	174	1228032			50.00- 100.00	73.30
8.110	8.228	-0.118	175	90602			5.00- 9.00	7.38
8.110	8.228	-0.118	176	1189696			95.00- 101.00	96.88
8.110	8.228	-0.118	177	75197			5.00- 9.00	6.32

Data File: /chem/msdt.i/02Mar2008.b/t030201.d

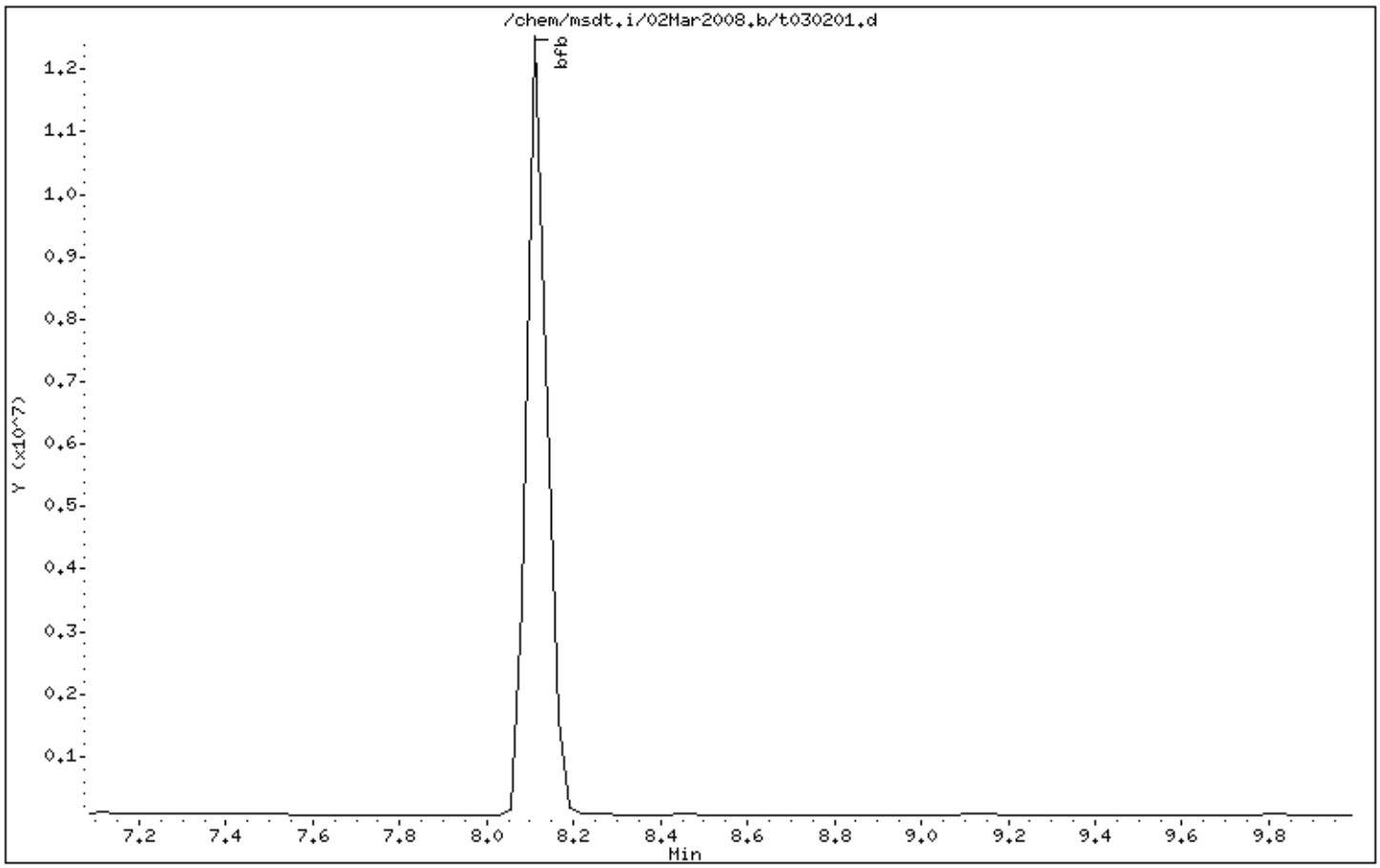
Date : 02-MAR-2008 09:25

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: dfm

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/02Mar2008.b/t030201.d

Date : 02-MAR-2008 09:25

Client ID: BFB

Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

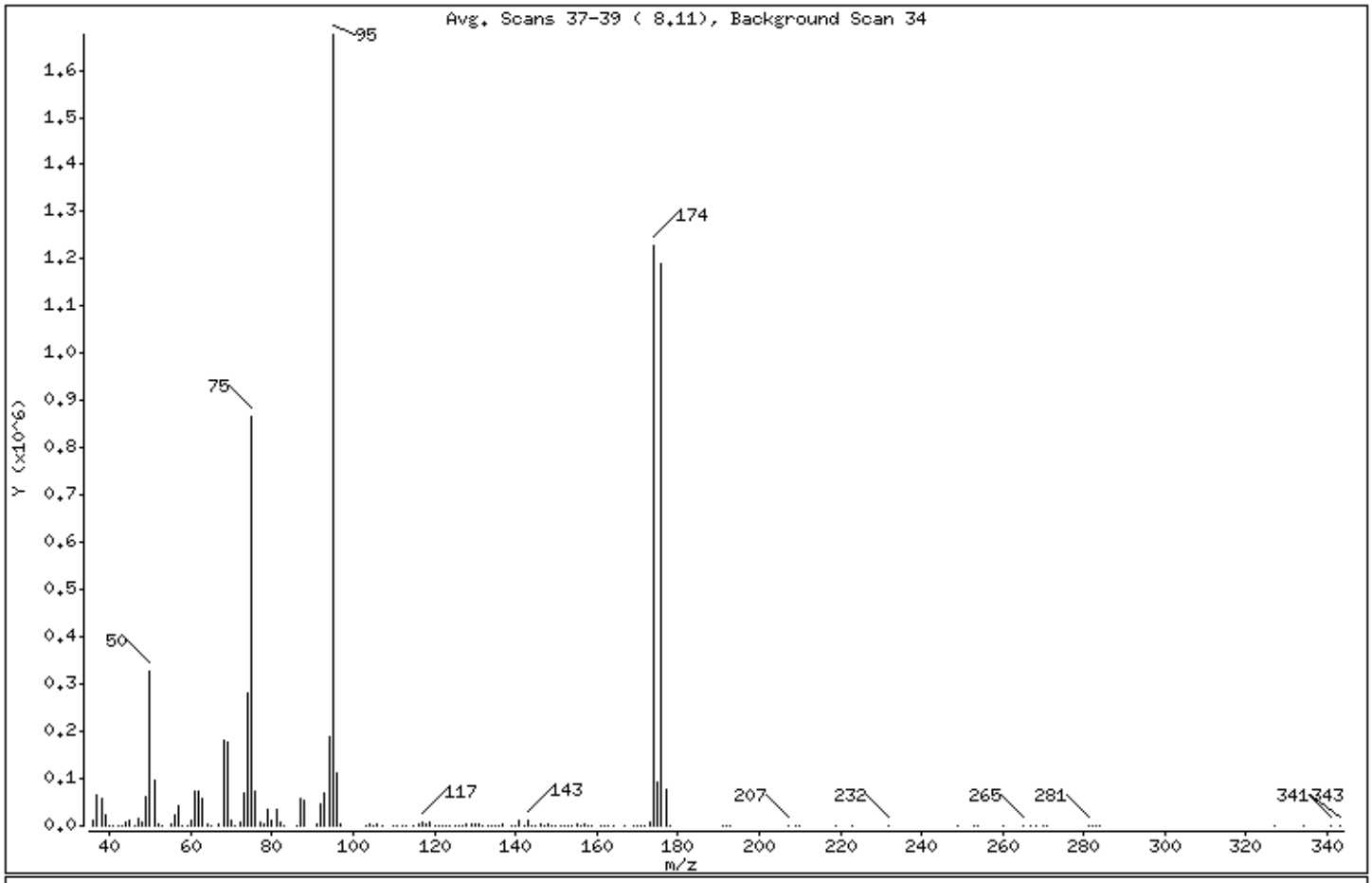
Volume Injected (uL): 1.0

Operator: dfm

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	19.45
75	30.00 - 60.00% of mass 95	51.73
96	5.00 - 9.00% of mass 95	6.55
173	Less than 2.00% of mass 174	0.57 (0.77)
174	50.00 - 100.00% of mass 95	73.30
175	5.00 - 9.00% of mass 174	5.41 (7.38)
176	95.00 - 101.00% of mass 174	71.01 (96.88)
177	5.00 - 9.00% of mass 176	4.49 (6.32)

Date : 02-MAR-2008 09:25

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: dfm

Column phase: Column diameter: 2.00

Data File: t030201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11326	76.00	72792	126.00	646	169.00	110
37.00	64288	77.00	8308	127.00	580	170.00	146
38.00	59632	78.00	4511	128.00	5338	171.00	379
39.00	23632	79.00	34024	129.00	2319	172.00	1340
40.00	675	80.00	10967	130.00	5245	173.00	9501
41.00	173	81.00	34680	131.00	2132	174.00	1227776
42.00	63	82.00	8372	132.00	268	175.00	90600
43.00	611	83.00	899	133.00	41	176.00	1189376
44.00	6851	86.00	1212	134.00	633	177.00	75192
45.00	13471	87.00	57840	135.00	1834	178.00	1721
46.00	1000	88.00	54840	136.00	415	191.00	82
47.00	15724	91.00	4849	137.00	2132	192.00	81
48.00	8208	92.00	45032	139.00	513	193.00	466
49.00	63448	93.00	70880	140.00	753	207.00	1182
50.00	325824	94.00	188096	141.00	12272	209.00	186
51.00	96728	95.00	1675264	142.00	1430	210.00	243
52.00	3865	96.00	109808	143.00	12469	219.00	220
53.00	216	97.00	3419	144.00	633	223.00	111
55.00	3578	103.00	442	145.00	1053	232.00	230
56.00	21560	104.00	5727	146.00	1980	249.00	89
57.00	41544	105.00	1924	147.00	1152	253.00	281
58.00	1668	106.00	5436	148.00	3462	254.00	283
59.00	138	107.00	1614	149.00	1386	260.00	70
60.00	13056	110.00	735	150.00	1627	265.00	349
61.00	71864	111.00	904	151.00	122	267.00	135
62.00	73232	112.00	527	152.00	567	268.00	100
63.00	57848	113.00	950	153.00	1055	270.00	157
64.00	4747	115.00	1724	154.00	921	271.00	100
65.00	750	116.00	4303	155.00	3594	281.00	567
67.00	3960	117.00	8301	156.00	528	282.00	363
68.00	180288	118.00	4758	157.00	2552	283.00	94
69.00	178304	119.00	6728	158.00	367	284.00	129
70.00	12165	120.00	409	159.00	1748	327.00	148
71.00	402	121.00	122	161.00	1878	334.00	94
72.00	8178	122.00	336	162.00	120	341.00	164

Date : 02-MAR-2008 09:25

Client ID: BFB Instrument: msdt.i

Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0 Operator: dfm

Column phase: Column diameter: 2.00

Data File: t030201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 150

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	68576	123.00	464	163.00	2	343.00	103
74.00	281536	124.00	810	164.00	110		
75.00	866688	125.00	589	167.00	134		

Shipping/ Receiving Documents

AN ENVIRONMENTAL ANALYTICAL LABORATORY

180 Blue Ravine Road, Suite B
Folsom, CA 95630

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

COMPANY: GEI Consultants, Inc.
ATTENTION: Ms. Sarah Aldridge
FAX #: 860-368-5307
FROM: Sample Receiving
Workorder #: 0802426
# of pages (Including Cover): 1

3/7/2008

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 **Bryanna Langley at 916-985-1020.**
ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

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

0236

Contact	
Company	GEI Consultants, Inc.
Address	455 Winding Brook Glastonbury CT 06033
Phone	860-368-5300 Cell:
Collected By: Signature:	Thomas Tor

Project Info:

P.O. #	
Project #	061140 - 8 - 1703
Project Name	BayShore OU1 Southern cell Air Monitoring

Turn Around Time:

- [X] Normal
- [ ] Rush _____ Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	DW AMS-1 13859	2/20/08 ~~1430~~ 0630	TO-15 + Naphthalene	-29.5	-7.5	
02A	DW AMS-5 36048	2/20/08 ~~1430~~ 0630	TO-15 + Naphthalene	-29.3	-11	

Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Thomas Tor 2/20/08 1400	Monroe Hooper AM 2/21/08 845
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time
Relinquished By: (Signature) Date/Time	Received By: (Signature) Date/Time

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

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8620 3516 5634	MG	N/A	Good	Yes No (None)	0802426

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0802426

Client

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

Sales Rep: ANS

Phone

860-368-5300

Fax

860-368-5307

Date Promised: 03/06/08
Date Completed: 3/5/08
Date Received: 2/21/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 554.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	DW AMS-1	Modified TO-15	2/20/2008	2.0 "Hg	$225.00
02A	UW AMS-5	Modified TO-15	2/20/2008	5.0 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges 6 Liter Summa Canister (2) @ $50.00 each., Shipment 54021	$100.00
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#: Bay Shore OU1 South Perimeter Air/9699

BILL TO: Ms. Sarah Aldridge
GEI Consultants, Inc.
455 Winding Brook Drive
Suite 201
Glastonbury, CT 06033

Analysis Code: TO-14A

TERMS:

Reporting Method: Modified TO-15 + Naph

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0802426

A	R	T	M	Q	
☑	☐	☐	☑	☐	Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc)
	☐	☐	☑	☐	The final report has the correct reporting list, special units, and header info.
	☐	☐	☑	☐	Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct)
NA	☐	☐	☑	☐	Corrective Action issued - #
☑	☐	☐	☑	☐	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)
NA	☐	☐		TICs resemble reference spectra
	☐	☐		TICs between duplicate samples are consistent
NA	☐	☐	☑	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☐	NA		Special units for all samples in the final report are correctly calculated
NA	☐	☐		Manually entered results checked (i.e. special CCV compounds)
	☐	☐	☐	TPH/NMOC (verify calculations and correct reference compound used)
	☐			Chain of Custody scanned correctly
		☐		Verify sample id's vs. chain of custody
☑	☐			Samples pressurized w/ appropriate gas (N_2 or He) ☐ Tedlar Bag only
☑	☐			Final pressure consistent with canister size (6L vs. 1L)
☑	☐			Verify receipt pressures against logbook and Target
☑	☐			Verify canister ID #'s
NA	☐		☑	Extra printed copies are provided per client profile
	☐		☑	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: 2 out CCV, 0 out LCS MTBE ↑, 2,2,4-Tmp ↑ in CCV

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
CB 3/4/08	R: C Taylor 3-5-08	3/5/08	
	T:		

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

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

Not Applicable