
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 #: 0710302

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	10/26/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0710302

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 AirMonitoring
DATE RECEIVED:	10/11/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	10/24/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	UWAMS 5	Modified TO-15	14.5 "Hg
02A	DW AMS 1	Modified TO-15	7.5 "Hg
03A	Lab Blank	Modified TO-15	NA
04A	CCV	Modified TO-15	NA
05A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda D. Fruman DATE: 10/24/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, 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
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

AN ENVIRONMENTAL ANALYTICAL LABORATORY

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0710302

Two 6 Liter Summa Canister samples were received on October 11, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.
UJ- Non-detected compound associated with low bias in the CCV
N - The identification is based on presumptive evidence.

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
UWAMS 5	0710302-01A	10/10/2007	10/11/2007	NA	12	10/22/2007	NA	Good
DW AMS 1	0710302-02A	10/10/2007	10/11/2007	NA	12	10/22/2007	NA	Good
Lab Blank	0710302-03A	NA	NA	NA	NA	10/22/2007	NA	Good
CCV	0710302-04A	NA	NA	NA	NA	10/22/2007	NA	Good
LCS	0710302-05A	NA	NA	NA	NA	10/22/2007	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UWAMS 5

Lab ID#: 0710302-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	5.2	12	12	28

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS 5

Lab ID#: 0710302-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102211**	**Date of Collection: 10/10/07**	
Dil. Factor:	**2.59**	**Date of Analysis: 10/22/07 06:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.4	Not Detected
Freon 114	1.3	Not Detected	9.0	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
Bromomethane	1.3	Not Detected	5.0	Not Detected
Chloroethane	1.3	Not Detected	3.4	Not Detected
Freon 11	1.3	Not Detected	7.3	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Freon 113	1.3	Not Detected	9.9	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.1	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	7.0	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.0	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.9	Not Detected
Toluene	1.3	Not Detected	4.9	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.9	Not Detected
1,1,2-Trichloroethane	1.3	Not Detected	7.1	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.0	Not Detected
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Styrene	1.3	Not Detected	5.5	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.9	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.4	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.4	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.7	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Hexane	1.3	Not Detected	4.6	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UWAMS 5

Lab ID#: 0710302-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102211**	**Date of Collection: 10/10/07**	
Dil. Factor:	**2.59**	**Date of Analysis: 10/22/07 06:35 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	1.3	Not Detected	5.3	Not Detected
Bromodichloromethane	1.3	Not Detected	8.7	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
Cumene	1.3	Not Detected	6.4	Not Detected
Propylbenzene	1.3	Not Detected	6.4	Not Detected
Chloromethane	5.2	Not Detected	11	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected	38	Not Detected
Hexachlorobutadiene	5.2	Not Detected	55	Not Detected
Acetone	5.2	12	12	28
Carbon Disulfide	1.3	Not Detected	4.0	Not Detected
2-Propanol	5.2	Not Detected	13	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	Not Detected	3.8	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
1,4-Dioxane	5.2	Not Detected	19	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
2-Hexanone	5.2	Not Detected	21	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.4	Not Detected
Ethanol	5.2	Not Detected	9.8	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.7	Not Detected
3-Chloropropene	5.2	Not Detected	16	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Naphthalene	5.2	Not Detected	27	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Oct2007.b/t102211.d
Lab Smp Id: 0710302-01A
Inj Date : 22-OCT-2007 18:35
Operator : srs Inst ID: msdt.i
Smp Info : 200mL #34265
Misc Info : 14.5"Hg -> 5psi GEI
Comment :
Method : /chem/msdt.i/22Oct2007.b/t14q1016b.m
Meth Date : 23-Oct-2007 11:22 ctaylor Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.d
Als bottle: 1
Dil Factor: 2.59000
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

	RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
*	81 Bromochloromethane					CAS #: 74-97-5		
	13.886	13.886 (1.000)	130	342230	25.0000		80.00- 120.00	100.00
	13.886	13.886 (1.000)	128	255101			29.40- 129.40	74.54
	13.886	13.886 (1.000)	49	428539			139.94- 239.94	125.22
*	97 1,4-Difluorobenzene					CAS #: 540-36-3		
	15.655	15.628 (1.000)	114	1331427	25.0000		80.00- 120.00	100.00
	15.655	15.628 (1.000)	88	206784			0.00- 65.76	15.53
*	126 Chlorobenzene-d5					CAS #: 3114-55-4		
	20.798	20.798 (1.000)	117	707452	25.0000		80.00- 120.00	100.00
	20.798	20.798 (1.000)	82	425453			9.61- 109.61	60.14
$	90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	14.964	14.964 (1.078)	65	577215	25.7626	25.762	80.00- 120.00	100.00
	14.964	14.964 (1.078)	67	276935			2.29- 102.29	47.98
$	113 Toluene-d8					CAS #: 2037-26-5		
	18.227	18.227 (1.164)	98	1044388	24.8962	24.896	80.00- 120.00	100.00
	18.227	18.227 (1.164)	70	123943			0.00- 61.65	11.87

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.164)	100	715269			17.64- 117.64	68.49
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	294012	22.1729	22.173	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	413683			84.80- 184.80	140.70
22.789	22.789 (1.096)	176	283619			46.63- 146.63	96.47
45 Acetone					CAS #: 67-64-1		
10.291	10.208 (0.741)	58	44681	4.64025	12.018	80.00- 120.00	100.00
10.264	10.208 (0.739)	43	126237			309.64- 409.64	282.53

Report Date: 24-Oct-2007 13:57

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t102211.d
Lab Smp Id: 0710302-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 14.5"Hg -> 5psi GEI

Calibration Date: 22-OCT-2007
Calibration Time: 10:14
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	416671	250003	583339	342230	-17.87
97 1,4-Difluorobenze	1612171	967303	2257039	1331427	-17.41
126 Chlorobenzene-d5	938644	563186	1314102	707452	-24.63

		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	15.66	0.18
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: 24-Oct-2007 13:57

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 22Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0710302-01A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 14.5"Hg -> 5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.762	103.05	70-130
$ 113 Toluene-d8	25.000	24.896	99.58	70-130
$ 137 Bromofluorobenzene	25.000	22.173	88.69	70-130

Data File: /chem/msdt.i/22Oct2007.b/t102211.d

Date : 22-OCT-2007 18:35

Client ID:

Sample Info: 200mL #34265

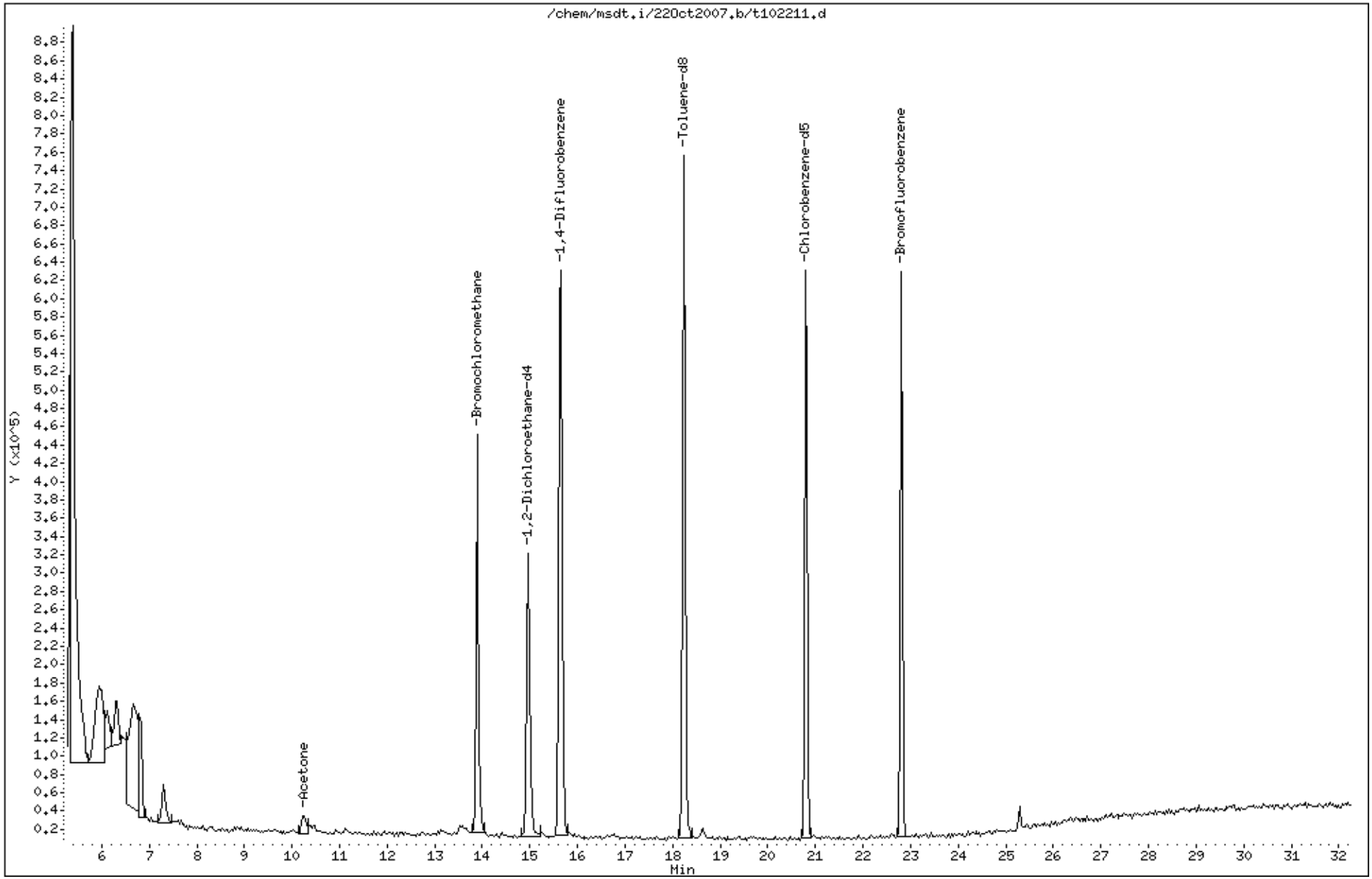
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0013



Data File: /chem/msdt.i/22Oct2007.b/t102211.d

Date : 22-OCT-2007 18:35

Client ID:

Instrument: msdt.i

Sample Info: 200mL #34265

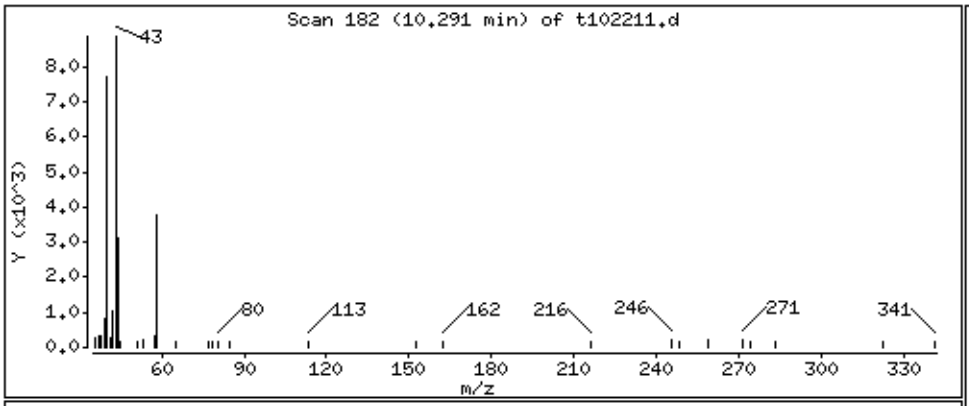
Operator: srs

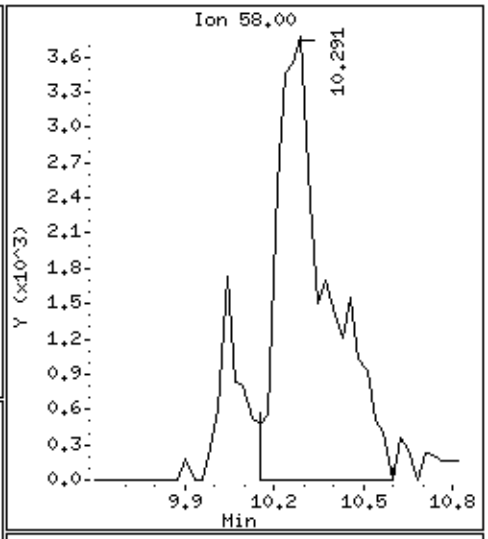
Column phase: RTx-624

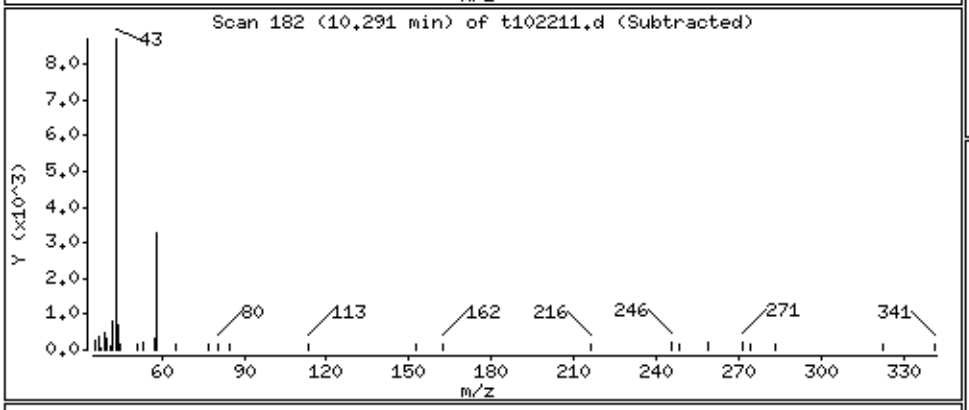
Column diameter: 0.53

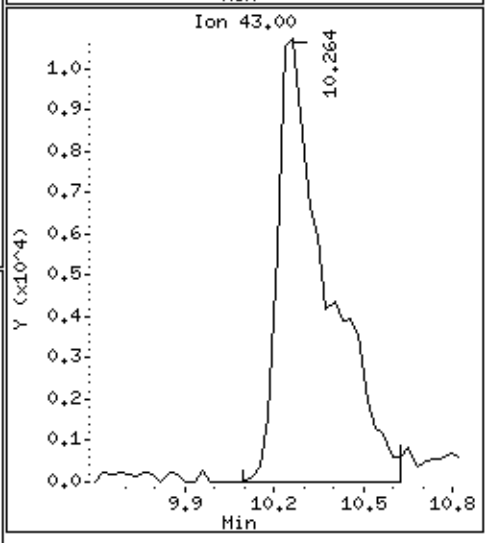
45 Acetone

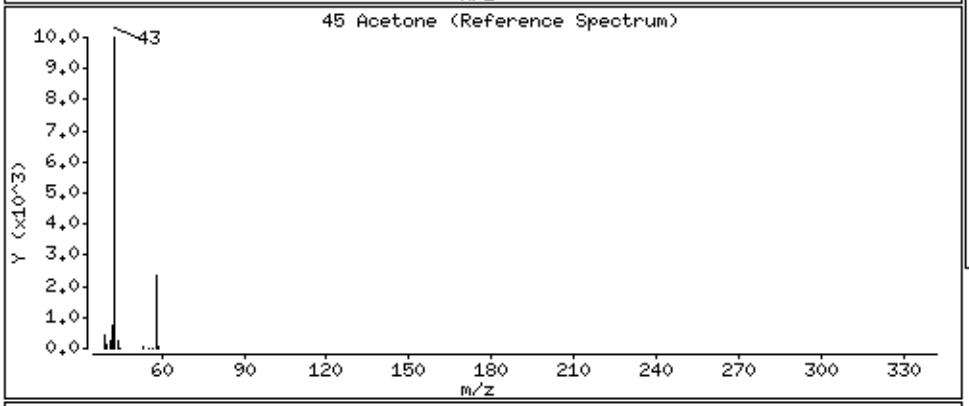
Concentration: 12.018 PPBV

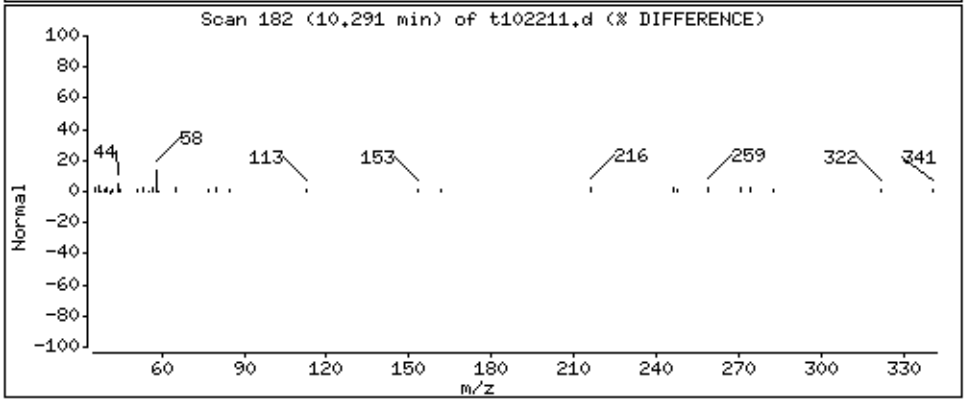












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 1

Lab ID#: 0710302-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.6	5.8	8.5	14

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 1

Lab ID#: 0710302-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102212**	**Date of Collection:**	**10/10/07**
Dil. Factor:	**1.79**	**Date of Analysis:**	**10/22/07 07:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.90	Not Detected	4.4	Not Detected
Freon 114	0.90	Not Detected	6.2	Not Detected
Vinyl Chloride	0.90	Not Detected	2.3	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.90	Not Detected	5.0	Not Detected
1,1-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Freon 113	0.90	Not Detected	6.8	Not Detected
Methylene Chloride	0.90	Not Detected	3.1	Not Detected
1,1-Dichloroethane	0.90	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
Chloroform	0.90	Not Detected	4.4	Not Detected
1,1,1-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Carbon Tetrachloride	0.90	Not Detected	5.6	Not Detected
Benzene	0.90	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.90	Not Detected	3.6	Not Detected
Trichloroethene	0.90	Not Detected	4.8	Not Detected
1,2-Dichloropropane	0.90	Not Detected	4.1	Not Detected
cis-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
Toluene	0.90	Not Detected	3.4	Not Detected
trans-1,3-Dichloropropene	0.90	Not Detected	4.1	Not Detected
1,1,2-Trichloroethane	0.90	Not Detected	4.9	Not Detected
Tetrachloroethene	0.90	Not Detected	6.1	Not Detected
1,2-Dibromoethane (EDB)	0.90	Not Detected	6.9	Not Detected
Chlorobenzene	0.90	Not Detected	4.1	Not Detected
Ethyl Benzene	0.90	Not Detected	3.9	Not Detected
m,p-Xylene	0.90	Not Detected	3.9	Not Detected
o-Xylene	0.90	Not Detected	3.9	Not Detected
Styrene	0.90	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.90	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,2,4-Trimethylbenzene	0.90	Not Detected	4.4	Not Detected
1,3-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,4-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
alpha-Chlorotoluene	0.90	Not Detected	4.6	Not Detected
1,2-Dichlorobenzene	0.90	Not Detected	5.4	Not Detected
1,3-Butadiene	0.90	Not Detected	2.0	Not Detected
Hexane	0.90	Not Detected	3.2	Not Detected
Cyclohexane	0.90	Not Detected	3.1	Not Detected

0016

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 1

Lab ID#: 0710302-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102212**	**Date of Collection: 10/10/07**	
Dil. Factor:	**1.79**	**Date of Analysis: 10/22/07 07:13 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.90	Not Detected	3.7	Not Detected
Bromodichloromethane	0.90	Not Detected	6.0	Not Detected
Dibromochloromethane	0.90	Not Detected	7.6	Not Detected
Cumene	0.90	Not Detected	4.4	Not Detected
Propylbenzene	0.90	Not Detected	4.4	Not Detected
Chloromethane	3.6	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	3.6	Not Detected	26	Not Detected
Hexachlorobutadiene	3.6	Not Detected	38	Not Detected
Acetone	3.6	5.8	8.5	14
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
2-Propanol	3.6	Not Detected	8.8	Not Detected
trans-1,2-Dichloroethene	0.90	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
1,4-Dioxane	3.6	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.90	Not Detected	3.7	Not Detected
2-Hexanone	3.6	Not Detected	15	Not Detected
Bromoform	0.90	Not Detected	9.2	Not Detected
4-Ethyltoluene	0.90	Not Detected	4.4	Not Detected
Ethanol	3.6	Not Detected	6.7	Not Detected
Methyl tert-butyl ether	0.90	Not Detected	3.2	Not Detected
3-Chloropropene	3.6	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Naphthalene	3.6	Not Detected	19	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Oct2007.b/t102212.d
Lab Smp Id: 0710302-02A
Inj Date : 22-OCT-2007 19:13
Operator : srs Inst ID: msdt.i
Smp Info : 200mL #4202
Misc Info : 7.5"Hg -> 5psi GEI
Comment :
Method : /chem/msdt.i/22Oct2007.b/t14q1016b.m
Meth Date : 23-Oct-2007 11:22 ctaylor Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.d
Als bottle: 1
Dil Factor: 1.79000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.913	13.886 (1.000)	130	338528	25.0000		80.00- 120.00	100.00
13.913	13.886 (1.000)	128	266179			29.40- 129.40	78.63
13.885	13.886 (1.000)	49	412604			139.94- 239.94	121.88
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.655	15.628 (1.000)	114	1292682	25.0000		80.00- 120.00	100.00
15.655	15.628 (1.000)	88	204063			0.00- 65.76	15.79
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.825	20.798 (1.000)	117	699510	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	413026			9.61- 109.61	59.05
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.076)	65	575724	25.9770	25.977	80.00- 120.00	100.00
14.964	14.964 (1.076)	67	281044			2.29- 102.29	48.82
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.226	18.227 (1.164)	98	1041039	25.5602	25.560	80.00- 120.00	100.00
18.226	18.227 (1.164)	70	121941			0.00- 61.65	11.71

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.226	18.227 (1.164)	100	688816			17.64- 117.64	66.17
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.816	22.789 (1.096)	174	292022	22.2729	22.273	80.00- 120.00	100.00
22.789	22.789 (1.094)	95	414383			84.80- 184.80	141.90
22.816	22.789 (1.096)	176	285007			46.63- 146.63	97.60
45 Acetone					CAS #: 67-64-1		
10.263	10.208 (0.738)	58	30618	3.21454	5.754	80.00- 120.00	100.00
10.236	10.208 (0.736)	43	86718			309.64- 409.64	283.22

Report Date: 24-Oct-2007 13:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t102212.d
Lab Smp Id: 0710302-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 7.5"Hg -> 5psi GEI

Calibration Date: 22-OCT-2007
Calibration Time: 10:14
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	416671	250003	583339	338528	-18.75
97 1,4-Difluorobenze	1612171	967303	2257039	1292682	-19.82
126 Chlorobenzene-d5	938644	563186	1314102	699510	-25.48

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.91	0.20
97 1,4-Difluorobenze	15.63	15.30	15.96	15.66	0.17
126 Chlorobenzene-d5	20.80	20.47	21.13	20.83	0.13

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: 24-Oct-2007 13:58

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 22Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0710302-02A
Level: LOW Operator: srs
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 7.5"Hg -> 5psi GEI

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.977	103.91	70-130
$ 113 Toluene-d8	25.000	25.560	102.24	70-130
$ 137 Bromofluorobenzene	25.000	22.273	89.09	70-130

Data File: /chem/msdt.i/22Oct2007.b/t102212.d

Date : 22-OCT-2007 19:13

Client ID:

Sample Info: 200mL #4202

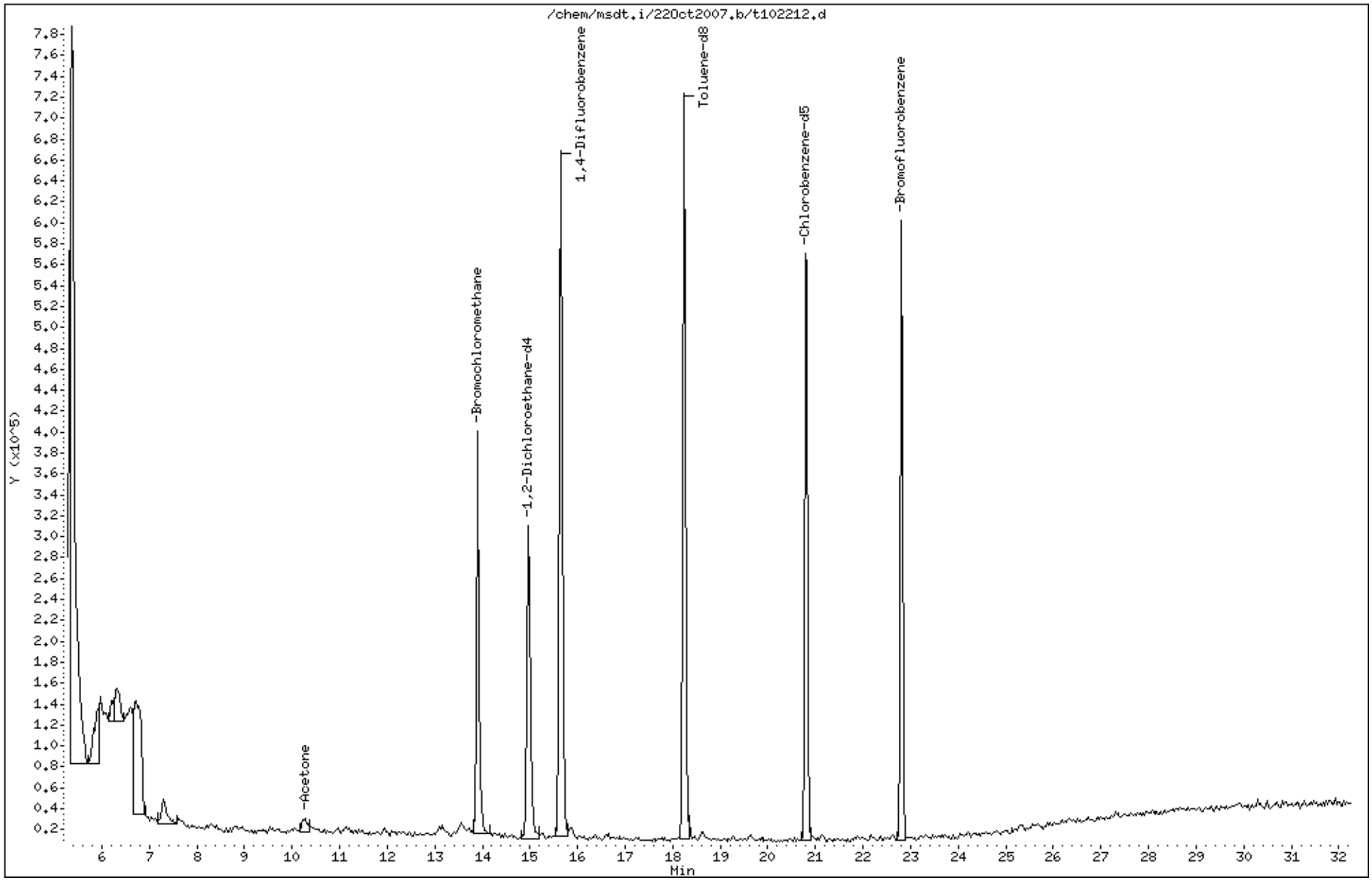
Column phase: RTx-624

Instrument: msdt.i

Operator: srs

Column diameter: 0.53

0022



Data File: /chem/msdt.i/22Oct2007.b/t102212.d

Date : 22-OCT-2007 19:13

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4202

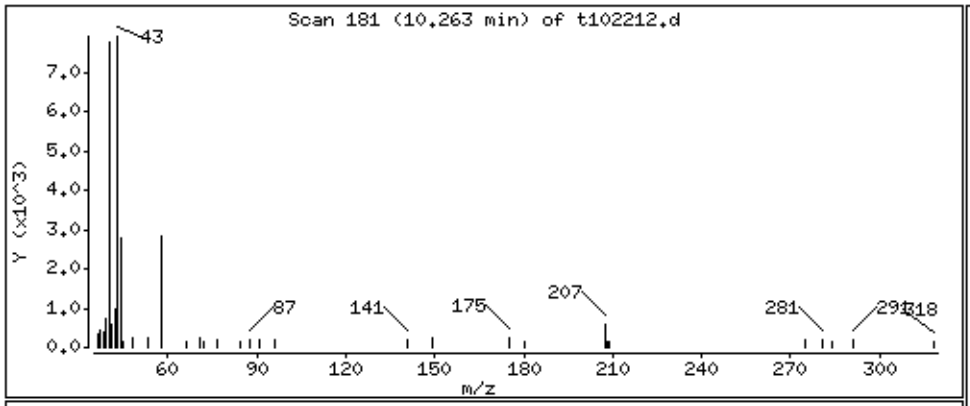
Operator: srs

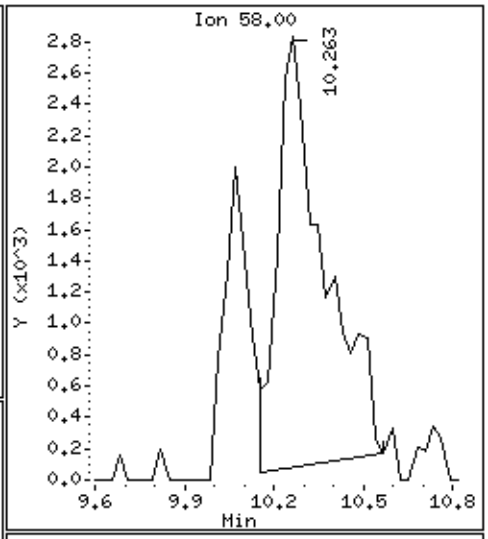
Column phase: RTx-624

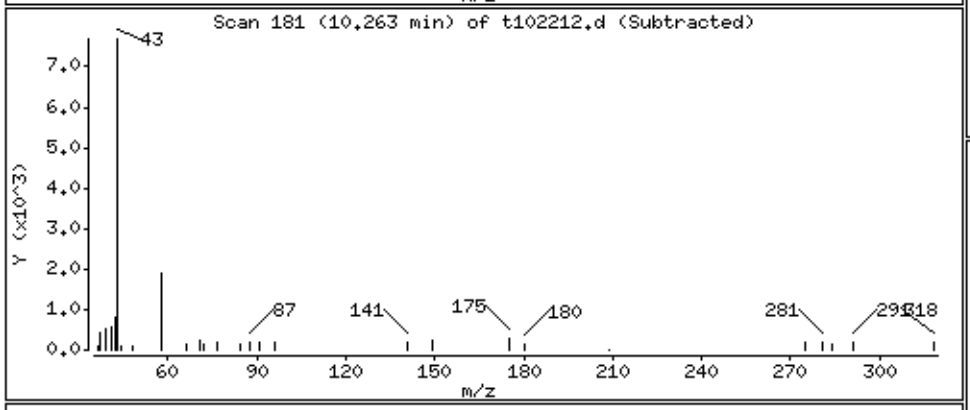
Column diameter: 0.53

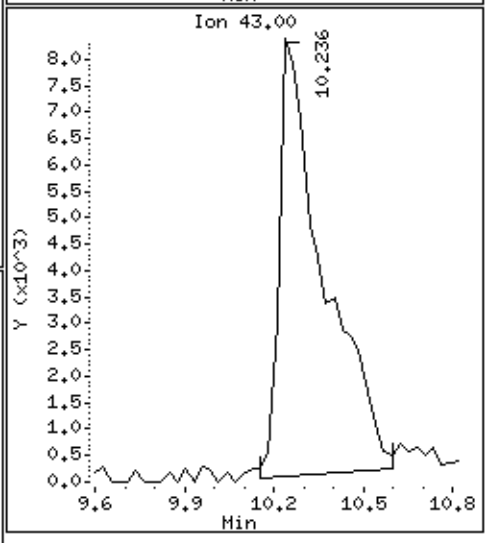
45 Acetone

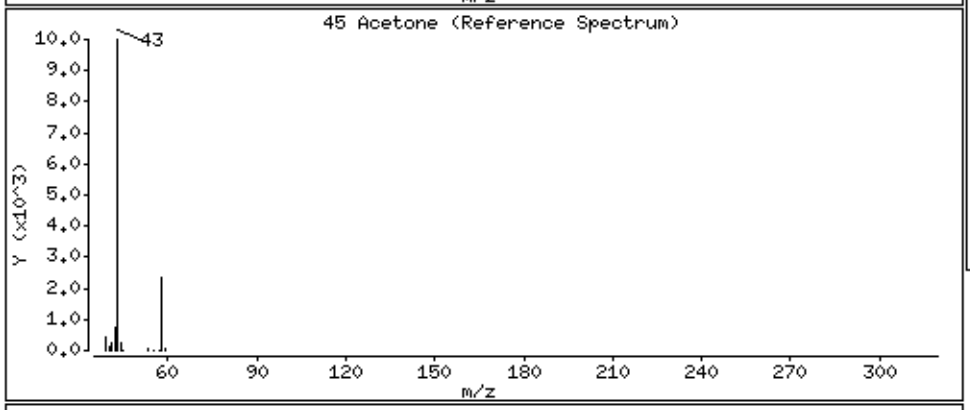
Concentration: 5.754 PPBV

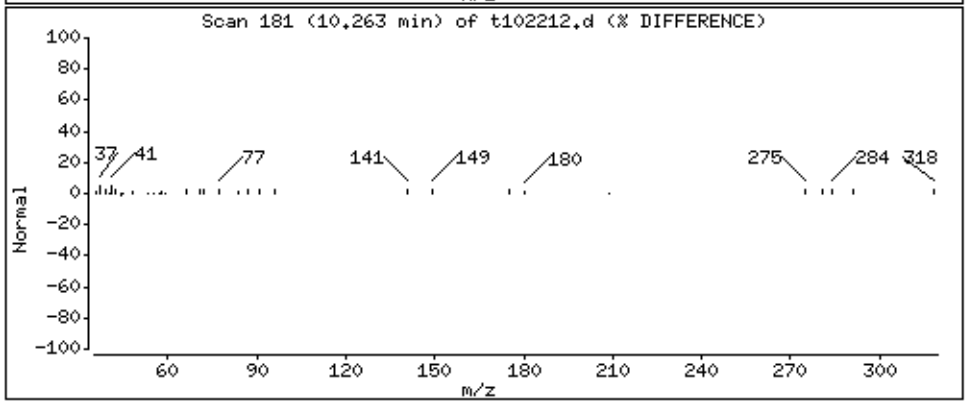












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0710302-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 01:16 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#: 0710302-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102206**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 01:16 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	104	70-130
1,2-Dichloroethane-d4	103	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Oct2007.b/t102206.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 22-OCT-2007 13:16
Operator : cb Inst ID: msdt.i
Smp Info : 200mL #31437
Misc Info : Humid
Comment :
Method : /chem/msdt.i/22Oct2007.b/t14q1016b.m
Meth Date : 22-Oct-2007 12:55 dmendoza Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR+bcde.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	340645	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	261083			29.40- 129.40	76.64
13.886	13.886 (1.000)	49	417323			139.94- 239.94	122.51
* 97 1,4-Difluorobenzene						CAS #: 540-36-3	
15.655	15.628 (1.000)	114	1307114	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	208320			0.00- 65.76	15.94
* 126 Chlorobenzene-d5						CAS #: 3114-55-4	
20.798	20.798 (1.000)	117	765548	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	450702			9.61- 109.61	58.87
$ 90 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
14.964	14.964 (1.078)	65	573131	25.6993	25.699	80.00- 120.00	100.00
14.964	14.964 (1.078)	67	274086			2.29- 102.29	47.82
$ 113 Toluene-d8						CAS #: 2037-26-5	
18.227	18.227 (1.164)	98	1069709	25.9742	25.974	80.00- 120.00	100.00
18.227	18.227 (1.164)	70	126921			0.00- 61.65	11.87

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.164)	100	703201			17.64- 117.64	65.74
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	338288	23.5759	23.576	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	464793			84.80- 184.80	137.40
22.789	22.789 (1.096)	176	318746			46.63- 146.63	94.22

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t102206.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: Humid

Calibration Date: 22-OCT-2007
Calibration Time: 10:14
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	416671	250003	583339	340645	-18.25
97 1,4-Difluorobenze	1612171	967303	2257039	1307114	-18.92
126 Chlorobenzene-d5	938644	563186	1314102	765548	-18.44

		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	15.66	0.18
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: 22-Oct-2007 13:43

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 22Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR+bcde.sub
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.699	102.80	70-130
$ 113 Toluene-d8	25.000	25.974	103.90	70-130
$ 137 Bromofluorobenzene	25.000	23.576	94.30	70-130

Data File: /chem/msdt.i/22Oct2007.b/t102206.d

Date : 22-OCT-2007 13:16

Client ID: Lab Blank

Sample Info: 200mL #31437

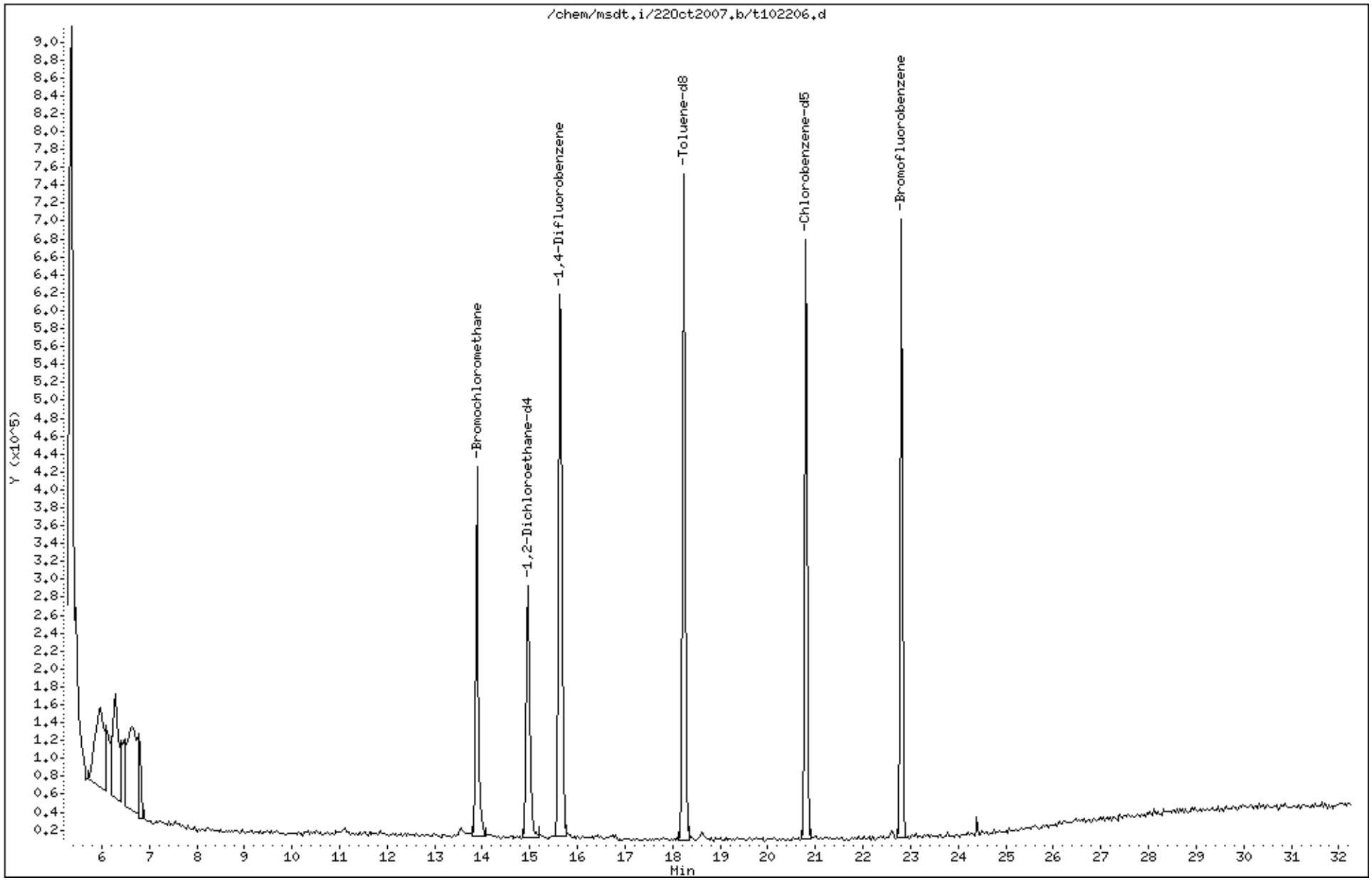
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0031



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0710302

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UWAMS 5	103		100		89				0
02	DW AMS 1	104		102		89				0
03	Lab Blank	103		104		94				0
04	CCV	114		102		101				0
05	LCS	114		102		99				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: 0710302

Lab File ID: t102202.d | Date Analyzed: 10/22/2007

Instrument ID: msdt.i | Time Analyzed: 10:14 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	938644		20.8		1612171		15.63		416671		13.89	
	UPPER LIMIT	1314102		21.13		2257039		15.96		583339		14.22	
	LOWER LIMIT	563186		20.47		967303		15.30		250003		13.56	
	CLIENT SAMPLE NO												
01	UWAMS 5	707452		20.8		1331427		15.66		342230		13.89	
02	DW AMS 1	699510		20.83		1292682		15.66		338528		13.91	
03	Lab Blank	765548		20.8		1307114		15.66		340645		13.89	
04	CCV	938644		20.8		1612171		15.63		416671		13.89	
05	LCS	975098		20.8		1569587		15.63		398539		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 : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/16Oct2007a.b/t101602.d
Level 2: /chem/msdt.i/16Oct2007a.b/t101611.d
Level 3: /chem/msdt.i/19Oct2007.b/t101903.d
Level 4: /chem/msdt.i/16Oct2007a.b/t101613.d
Level 5: /chem/msdt.i/19Oct2007.b/t101904.d
Level 6: /chem/msdt.i/16Oct2007a.b/t101614.d
Level 7: /chem/msdt.i/19Oct2007.b/t101905.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	+++++	+++++	0.25804	0.27503	+++++	0.27102	0.27742	0.27038	3.195
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	1.56108	+++++	1.47692	+++++	1.63550	1.55783	5.093
6 Freon142b	+++++	+++++	3.29654	+++++	3.69913	+++++	3.38974	3.46180	6.088

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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							
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
9 Freon 13	+++++	+++++	2.20963	+++++	2.27892	+++++		
	2.65976						2.38277	10.172
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
13 Freon 134a	+++++	+++++	1.28176	+++++	1.32219	+++++		
	1.32690						1.31028	1.894
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
11 Propylene	+++++	+++++	0.65647	0.63607	0.64028	0.66399		
	0.72638						0.66464	5.471
15 Freon 152a	+++++	+++++	0.61496	+++++	0.62679	+++++		
	+++++						0.62088	1.347
12 Dichlorodifluoromethane/Fr12	+++++	4.01786	3.71810	4.11897	3.82010	3.88544		
	4.28502						3.97425	5.238
17 Freon 22	+++++	+++++	0.33656	+++++	0.33999	+++++		
	0.34954						0.34203	1.967

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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	+++++	2.38696	2.41491	2.55168	2.49049	2.59483	2.98607	2.57082	8.485
18 Chloromethane	+++++	+++++	0.92193	0.89923	0.90904	0.94756	1.07941	0.95144	7.757
21 Isobutane	+++++	+++++	1.88487	+++++	1.90254	+++++	1.94339	1.91027	1.571
20 Vinyl Chloride	+++++	1.16629	1.07293	1.22790	1.16022	1.20041	1.32016	1.19132	6.884
19 Butane	+++++	+++++	0.20440	0.22053	0.21877	0.22625	0.26260	0.22651	9.589
22 1,3-Butadiene	+++++	0.67778	0.49413	0.84359	0.79223	0.82355	0.94361	0.76248	20.586
26 Methanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
25 Bromomethane	+++++	0.92651	1.02682	0.96651	0.93954	0.92607	1.01556	0.96683	4.627
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
27 Chloroethane	+++++	0.62624	0.67706	0.71475	0.64315	0.63730	0.72233	0.67014	6.151
29 Isopentane	+++++	+++++	1.39209	1.43697	1.32892	1.32937	1.50426	1.39832	5.343
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.63993	+++++	2.81941	+++++	2.48871	2.64935	6.249
35 1-Pentene	+++++	+++++	1.72405	+++++	1.73506	+++++	1.56347	1.67419	5.737
31 Trichlorofluoromethane/Fr11	+++++	4.76417	4.45586	5.02368	4.59800	4.52801	4.97362	4.72389	5.009
37 Pentane	+++++	+++++	2.65343	+++++	2.59817	+++++	2.20797	2.48652	9.765
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	+++++	+++++	0.20343	0.23968	0.28480	0.32518	0.39324	0.28927	25.607
39 Ethyl Ether	+++++	+++++	0.79745	+++++	1.03175	+++++	0.99188	0.94036	13.331
40 Freon123a	+++++	+++++	3.06057	+++++	2.90415	+++++	2.37442	2.77971	12.937
41 Freon123	+++++	+++++	3.94652	+++++	3.85661	+++++	2.98120	3.59478	14.835
44 Acrolein	+++++	+++++	0.22374	+++++	0.28401	+++++	0.35122	0.28632	22.271
42 Freon 113	+++++	2.41493	2.58927	2.58697	2.16921	2.04528	2.29068	2.34939	9.454
43 1,1-Dichloroethene	+++++	2.33599	2.55622	2.92527	2.43268	2.25820	2.35911	2.47791	9.733
45 Acetone	+++++	+++++	0.42919	0.65945	0.73831	0.80482	0.88524	0.70340	24.797
46 2-Propanol	+++++	+++++	1.63418	2.05712	2.27659	2.56802	2.98139	2.30346	22.125
48 Ethyl acrylate	+++++	+++++	0.03607	+++++	0.04243	+++++	0.04895	0.04248	15.155

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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							
47 Carbon Disulfide	+++++	4.34554	3.85333	3.86927	3.66578	3.68759		
	4.19356						3.93585	7.005
49 Iodomethane	+++++	+++++	3.13578	+++++	3.52709	+++++		
	3.39297						3.35195	5.933
50 Methyl Methacrylate	+++++	+++++	0.27995	+++++	0.35741	+++++		
	0.39023						0.34253	16.532
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 3-Chloropropene	+++++	+++++	0.88295	0.94082	0.88237	0.81817		
	0.81551						0.86796	6.034
52 Acetonitrile	+++++	+++++	0.54947	+++++	0.53505	+++++		
	0.59290						0.55914	5.386
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
56 Cyclopentane	+++++	+++++	0.93351	+++++	0.98227	+++++		
	0.97824						0.96467	2.805
54 Methylene Chloride	+++++	1.73862	1.66537	1.79576	1.52409	1.40765		
	1.46189						1.59890	9.835

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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								
57 tert-Butyl-Alcohol	+++++	+++++	2.45013	+++++	1.77178	+++++			
	2.39723						2.20638	17.100	
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
60 MTBE	+++++	2.54745	2.32034	1.71662	2.17160	2.51008			
	3.04187						2.38466	18.470	
61 trans-1,2-Dichloroethene	+++++	1.68290	1.70849	2.06353	1.96865	1.90864			
	1.89263						1.87081	7.938	
62 Acrylonitrile	+++++	+++++	0.25580	+++++	0.48335	+++++			
	0.69068						0.47661	45.639	<-
66 1-Hexene	+++++	+++++	0.86744	+++++	1.16339	+++++			
	1.22748						1.08610	17.684	
63 2-Pentanone	+++++	+++++	0.43300	+++++	0.53928	+++++			
	0.62257						0.53162	17.874	
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
65 Hexane	+++++	2.58426	2.29293	2.60996	2.72439	2.73889			
	2.81678						2.62787	7.052	

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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								
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
68 Isopropyl ether	+++++	+++++	4.45248	+++++	4.85147	+++++			
	4.94641						4.75012	5.518	
69 Vinyl Acetate	+++++	+++++	0.19559	0.24548	0.27786	0.32089			
	0.39051						0.28606	25.938	
70 1,1-Dichloroethane	+++++	3.22988	3.50048	3.73693	3.44249	3.30719			
	3.25779						3.41246	5.595	
71 1-Propanol	+++++	+++++	0.51788	+++++	0.12415	+++++			
	0.16461						0.26888	80.550	<-
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
73 t-Butylethyl Ether	+++++	+++++	2.71769	+++++	1.55396	+++++			
	2.65298						2.30821	28.334	
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
77 Ethyl Acetate	+++++	+++++	0.37872	+++++	0.32921	+++++			
	0.39362						0.36718	9.183	

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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	
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
75 2-Butanone	+++++	0.32179	0.45994	0.51204	0.58614	0.69124	0.84712	0.56971	32.255	<-
76 cis-1,2-Dichloroethene	+++++	1.71835	1.90892	2.22988	2.29006	2.35883	2.39674	2.15046	12.734	
79 Methyl Acrylate	+++++	+++++	1.17201	+++++	1.74081	+++++	2.40121	1.77134	34.729	
80 Tetrahydrofuran	+++++	1.03887	0.96860	1.02204	1.08953	1.24030	1.49996	1.14322	17.303	
82 Chloroform	3.91778	2.98149	3.82243	4.26632	4.09972	4.01980	3.95403	3.86594	10.734	
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
83 1,1,1-Trichloroethane	+++++	3.71352	4.04292	4.13683	3.83005	3.72477	3.87135	3.88657	4.406	
85 Cyclohexane	+++++	1.86797	1.76186	1.95541	1.93309	1.90454	2.06050	1.91390	5.167	
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	200.000 Level 7	___ RRF	% RSD	
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
87 Carbon Tetrachloride	+++++	2.61960	2.69142	2.91559	2.84483	2.76051	2.96846	2.80007	4.782	
99 Isobutanol	+++++	+++++	0.00981	+++++	0.00478	+++++	0.00703	0.00721	34.948	
89 2,2,4-Trimethylpentane	+++++	5.04076	5.79958	6.27061	6.68232	6.97130	7.64928	6.40231	14.301	
91 Benzene	1.88175	1.27271	1.14109	1.21360	1.18288	1.13699	1.09923	1.27547	21.430	
92 tert-amyl-Methyl Ether	+++++	+++++	2.45667	+++++	1.24224	+++++	2.21639	1.97176	32.616	
96 2-Heptanone	+++++	+++++	0.41255	+++++	0.95356	+++++	1.31470	0.89360	50.812	<-
93 1,2-Dichloroethane	+++++	0.46600	0.49029	0.60100	0.57561	0.57204	0.54140	0.54106	9.765	
94 Heptane	+++++	0.28688	0.29619	0.38190	0.38964	0.39092	0.38917	0.35578	14.040	
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

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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
98 1-Butanol	+++++	+++++	0.06673	+++++	0.09978	+++++	0.12883	0.09844	31.565
100 trans-1,4-dichloro-2-butene	+++++	+++++	0.17053	+++++	0.20655	+++++	0.21066	0.19591	11.270
101 Trichloroethene	+++++	0.43446	0.42488	0.50864	0.50612	0.48960	0.48598	0.47495	7.644
102 Methyl Cyclohexane	+++++	1.79412	2.26800	2.53762	2.61795	2.57613	2.77982	2.42894	14.512
103 Alphamethylstyrene	+++++	+++++	0.42299	+++++	0.63144	+++++	0.63068	0.56170	21.387
104 1,2-Dichloropropane	+++++	0.31867	0.30407	0.37560	0.37428	0.37267	0.37551	0.35347	9.322
106 1,4-Dioxane	+++++	+++++	0.22332	0.16982	0.18000	0.17431	0.19384	0.18826	11.465
105 Dibromomethane	+++++	+++++	0.31175	+++++	0.34998	+++++	0.34434	0.33536	6.154
107 Bromodichloromethane	+++++	0.58965	0.74105	0.88994	0.86209	0.84757	0.84146	0.79529	14.172
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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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
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.33361	0.38445	0.46674	0.47555	0.48942	0.52076	0.44509	15.948
111 4-Methyl-2-pentanone	+++++	0.16349	0.16555	0.20550	0.22969	0.23529	0.25981	0.20989	18.658
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
114 Toluene	+++++	1.03093	1.01508	1.06537	1.08591	1.09164	1.11992	1.06814	3.688
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.47817	0.57162	0.72848	0.73222	0.72891	0.74653	0.66432	16.884
117 1,1,2-Trichloroethane	+++++	0.54404	0.61135	0.73509	0.69811	0.65856	0.64222	0.64823	10.323
120 Tetrachloroethene	+++++	0.72180	0.86681	0.95816	0.91317	0.86798	0.83852	0.86107	9.309

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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	+++++	+++++	0.26389	0.38532	0.38066	0.37937		
	0.43840						0.36953	17.314
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Butyl Acetate	+++++	+++++	0.16261	+++++	0.21651	+++++		
	0.24773						0.20895	20.610
122 Dibromochloromethane	+++++	0.75359	0.99066	1.21325	1.16392	1.11138		
	1.07548						1.05138	15.653
123 1,2-Dibromoethane	+++++	0.74391	0.78360	1.01517	0.99145	0.96616		
	0.96194						0.91037	12.726
127 Chlorobenzene	+++++	1.26733	1.30390	1.35935	1.36184	1.35150		
	1.33366						1.32960	2.806
124 Nonane	+++++	+++++	0.80997	+++++	0.95155	+++++		
	0.82891						0.86348	8.901
128 Ethyl Benzene	+++++	0.52323	0.57940	0.70278	0.70793	0.71227		
	0.70860						0.65570	12.634
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
129 m,p-Xylene	+++++	0.65513	0.64973	0.82077	0.81873	0.80568		
	0.83887						0.76482	11.468

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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	+++++	0.57360	0.61455	0.74023	0.73848	0.72690		
	0.73579						0.68826	10.786
131 Styrene	0.71784	0.62865	0.78195	0.98917	0.94148	0.94740		
	1.03034						0.86240	17.697
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
133 Bromoform	+++++	0.56794	0.76905	0.93482	0.94534	0.94384		
	0.94613						0.85119	18.233
134 Cumene	1.55013	1.58613	1.84003	2.13740	2.06329	2.05719		
	2.16967						1.91483	13.542
135 Cyclohexanone	+++++	+++++	0.23284	+++++	0.33157	+++++		
	0.37795						0.31412	23.594
140 1,1,2,2-Tetrachloroethane	+++++	0.99559	1.14653	1.26708	1.23828	1.23740		
	1.24516						1.18834	8.683
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
142 Propylbenzene	+++++	1.82201	1.94117	2.40597	2.16613	2.03456		
	2.13650						2.08439	9.706

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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								
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
145 4-Ethyltoluene	+++++	1.25183	1.43517	1.97731	1.84184	1.66862			
	1.62068						1.63257	16.160	
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
147 1,3,5-Trimethylbenzene	+++++	1.17717	1.31352	1.87753	1.73667	1.52743			
	1.38259						1.50248	17.660	
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
146 Diisobutyl Ketone	+++++	+++++	0.30467	+++++	0.80334	+++++			
	1.09792						0.73531	54.532	<-
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
150 1,2,4-Trimethylbenzene	+++++	0.76358	0.94607	1.43098	1.41899	1.35030			
	1.19183						1.18362	23.208	
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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	+++++	+++++	0.43278	+++++	0.48683	+++++	0.53656	0.48539	10.694
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.74704	0.66010	0.77584	0.76344	0.70227	0.66287	0.71859	7.066
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
156 1,4-Dichlorobenzene	+++++	0.68717	0.63597	0.72048	0.71973	0.70184	0.65696	0.68702	5.008
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
159 alpha-Chlorotoluene	+++++	0.63814	0.55467	0.75315	0.78916	0.79418	0.77821	0.71792	13.759
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
161 1,2-Dichlorobenzene	+++++	0.64251	0.60958	0.63133	0.63737	0.60402	0.55639	0.61353	5.204
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++		
165 1,2,4-Trichlorobenzene	+++++	+++++	0.47894	0.33724	0.39704	0.53204	0.53455	0.45596	19.012
166 Hexachlorobutadiene	+++++	+++++	0.40091	0.27997	0.33397	0.42979	0.43743	0.37641	17.957
167 Naphthalene	+++++	+++++	0.55351	0.40388	0.51989	0.68546	0.71275	0.57510	21.988
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++		

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Cal Date : 19-Oct-2007 14:54 cbond
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	1.50553	1.50418	1.58095	1.59807	1.74135	1.68065	1.84621	1.63670	7.734
$ 113 Toluene-d8	0.81272	0.79236	0.78961	0.75448	0.77106	0.77482	0.81872	0.78768	2.913
$ 137 Bromofluorobenzene	0.48855	0.46545	0.47990	0.48033	0.45055	0.44403	0.47125	0.46858	3.496

Calibration History

Method : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Start Cal Date: 16-OCT-2007 03:04
End Cal Date : 19-OCT-2007 11:31

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
16-OCT-2007 03:04	AFCEElow	/chem/msdt.i/16Oct2007a.b/t101602.d
Cal Level: 2 , Cal Amount: 0.50000		
16-OCT-2007 11:32	AT04low+ENSR	/chem/msdt.i/16Oct2007a.b/t101611.d
Cal Level: 3 , Cal Amount: 2.00000		
19-OCT-2007 09:42	sp22b	/chem/msdt.i/19Oct2007.b/t101903.d
16-OCT-2007 16:15	sp20a	/chem/msdt.i/16Oct2007a.b/t101617.d
16-OCT-2007 12:26	sp1a	/chem/msdt.i/16Oct2007a.b/t101612.d
16-OCT-2007 04:51	AT04mdl+ENSR	/chem/msdt.i/16Oct2007a.b/t101604.d
Cal Level: 4 , Cal Amount: 25.00000		
16-OCT-2007 13:10	sp1a	/chem/msdt.i/16Oct2007a.b/t101613.d
16-OCT-2007 05:34	AT04mdl+ENSR	/chem/msdt.i/16Oct2007a.b/t101605.d
Cal Level: 5 , Cal Amount: 50.00000		
19-OCT-2007 10:25	sp22b	/chem/msdt.i/19Oct2007.b/t101904.d
16-OCT-2007 17:08	sp20a	/chem/msdt.i/16Oct2007a.b/t101618.d
16-OCT-2007 06:22	AT04mdl+ENSR	/chem/msdt.i/16Oct2007a.b/t101606.d
Cal Level: 6 , Cal Amount: 100.00000		
16-OCT-2007 13:48	sp1a	/chem/msdt.i/16Oct2007a.b/t101614.d
16-OCT-2007 07:57	AT04mdl+ENSR	/chem/msdt.i/16Oct2007a.b/t101607.d
Cal Level: 7 , Cal Amount: 200.00000		

19-OCT-2007 11:31	sp22b	/chem/msdt.i/19Oct2007.b/t101905.d
16-OCT-2007 17:47	sp20a	/chem/msdt.i/16Oct2007a.b/t101619.d
16-OCT-2007 14:31	sp1a	/chem/msdt.i/16Oct2007a.b/t101615.d
16-OCT-2007 08:45	AT04mdl+ENSR	/chem/msdt.i/16Oct2007a.b/t101608.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
19-OCT-2007 08:52	AT04ENSR	/chem/msdt.i/19Oct2007.b/t101902.d
Ccal Level: 5 , Ccal Amount: 50.000		
19-OCT-2007 10:25	sp22b	/chem/msdt.i/19Oct2007.b/t101904.d
Ccal Level: 5 , Ccal Amount: 50.000		
19-OCT-2007 10:25	sp22bccv	/chem/msdt.i/19Oct2007.b/t101904a.d

Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-T on 10/16/2007. As noted on the accompanying analytical run logs, the 0.5ppbv, Level 2 point was re-analyzed due to:

a. anomalous unacceptable linearity for Benzene and 1,3-Butadiene.

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.85
75	30.0 – 60.0% of mass 95	50.24
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.51
173	Less than 2.0% of mass 174	(0.76)[1]
174	Greater than 50.0% of mass 95	66.53
175	5.0 – 9.0% of mass 174	(7.15)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.87)[1]
177	5.0 – 9.0% of mass 176	(6.43)[2]

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

BFB Injection Date: 10/16/07

BFB Injection Time: 0057

BFB File ID: T101601

Tekmar Purge Flow: NA

Vacuum: NA

IS/S Std.#:	1443-355	Exp. Date: 1/5/08
BCM	508718	
1,4-DFB	1907821	
CB-d5	1112293	

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

Verify 176/174 m/z Ratio: 1559552/1626686 x 100 =

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

Calculation Check:

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

File ID:	
Compound:	
Initials:	

Reported Result

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T101601	BFB Tune Check	1476-58	50 psig	2 mL	1.00	10/16/07	0057	HB/	
2	✓	02	ICAL Level 1	1576-21	0.2 ppbv	0.2 mL	1.00		0304		+14 @ 1016
3	X	03	2		0.5 ppbv	0.5 mL			0401		
4	✓	04	3		2.0 ppbv	2.0 mL			0451		
5	✓	05	4		25 ppbv	25 mL			0534		
6	✓	06	5		50 ppbv	50 mL			0622		CCV
7	✓	07	6		100 ppbv	100 mL			0757		
8	✓	08	7		200 ppbv	200 mL			0845		
9	X	09	System Blank	31437	Humid	200 mL			0938		

Signature

10/16/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

10	✓	T101610	System Blank	31437	Humid	200mL	1.00	10/16/07	1030	CB	
11	✓	11	ICAL Level 2	1576-21	200 ppbv – 0.5 ppbv	0.5mL			1132	CB	8010/17/07
12	✓	12	TVH/ICAL Level 3	1443-356	200 ppbv – 2 ppbv	2mL			1226	CB	~~Spta~~ TVH/spta spla
13	✓	13	4		200 ppbv – 25 ppbv	25mL			1310	CB	TVH
14	✓	14	&6		200 ppbv – 100 ppbv	100mL			1348	CB	
15	✓	15	7		200 ppbv	200mL			1431	CB	
16	✓	16	System Blank	31437 ~~Humid~~	Humid	200mL			1524	CB	
17	✓	17	ICAL Level 3	1443-361	200 ppbv – 2 ppbv	2mL			1615	CB	Spta.b
18	✓	18	5		200 ppbv – 50 ppbv	50mL			1708	CB	
19	✓	19	7		200 ppbv – 200 ppbv	200mL			1747	CB	
20											
21											
22											
23											
24											
25											
26			8/10/17/07								
27											
28											
29											
30											
31											
32											

0059

Comments: Flow Meter SN # 200-7744 (exp 08-27-08) Actual = 24.9 mL/min

Flow Controller SN# AA98123220 Nominal = 22.1 mL/min

Signature

10/16/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

0057

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.28
75	30.0 – 60.0% of mass 95	49.37
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.56
173	Less than 2.0% of mass 174	(0.83)[1]
174	Greater than 50.0% of mass 95	66.32
175	5.0 – 9.0% of mass 174	(7.24)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.38)[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: 10/17/07
BFB Injection Time: 0726
BFB File ID: T101702
Tekmar Purge Flow: 18.5mL/min
Vacuum: ~~2.12 e-005~~ fo 10/17/07 2.22e-005

IS/S Std.#: 1443-355	Exp. Date: 1/5/08
BCM	457406
1,4-DFB	1914798
CB-d5	1252121

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

Verify 176/174 m/z Ratio: 15032071/15596666420 = 96.383

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

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 1577025\ )}{\text{fo}\ (\ \sim\!\!457406\ )} \times \frac{(\ \sim\!\!50\ \text{fo}\ 10/17/07\ 25.00\ )}{(\ 0.78168\ )} = 26.14001$

10/17/07 1914798

Reported Result 26.140

File ID:	T101703
Compound:	Toluene-d8
Initials:	fo

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	X	T101701	BFB Tune Check	1776-580	50psig	2uL	1.00	10/17/07	0713	fo	bad load
2	✓	02	↓	↓	↓	↓	↓		0726	fo/CB	
3	✓	03	CCV-1 #1576-21	200ppbv ~~fo 10/17/07 50psig~~		100mL	1.00		0748	fo/CB	100ppbv 1st 1.5 Butadiene
4	✓	04	CCVsp #1443-361	200ppbv ~~fo 10/17/07 50psig~~		5mL			0835	fo/	50ppbv sp 20mL
5	✓	05	LCS-1 (200ppbv)	1443-347	50ppbv	50mL			0941	CB	ICAL LCS
6	✓	06	TVH/CCVsp(200ppbv)	1443-356	100psig	100mL			1020	CB	
7	✓	07	Lab Blank	31437	Humid	200mL	↓		1109	fo	
8	✓	08	07102831-01A	1488	5.0 psig	fo 10/17/07 215mL	32.3		1211	fo/	
9	✓	09	↓ QA	↓	↓	↓	↓	↓	~~1315~~ fo 10/17/07 1316	fo/	

Laura Desmyn
Signature

10/17/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	18.97
75	30.0 – 60.0% of mass 95	50.06
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.68
173	Less than 2.0% of mass 174	(0.79)[1]
174	Greater than 50.0% of mass 95	66.59
175	5.0 – 9.0% of mass 174	(7.30)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.63)[1]
177	5.0 – 9.0% of mass 176	(6.46)[2]

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

Verify 176/174 m/z Ratio: 1371829 / 1434554 x100 = 95.63%

BFB Injection Date: 10/19/07

BFB Injection Time: 0830

BFB File ID: T101901

Tekmar Purge Flow: 19.3 mL/min

Vacuum: 2.19 x 10^{-5} torr

IS/S Std.#:	1443-355	Exp. Date: 1/5/08
BCM	461571	
1,4-DFB	1814677	
CB-d5	1097479	

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

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1462683\ )}{(\ 1814677\ )} \times \frac{(\ 25.0\ )}{(\ 0.78768\ )} =$ 25.582

Reported Result 25.582

File ID:	T101902
Compound:	Toluene-d8
Initials:	CB

	Use	File #	Sample / Client Name	Can #	Pressure	Amt. Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T101901	BFB Tune Check	1476-58	50ng	2uL	1.00	10/19/07	0830	CB	
2	✓	02	CCV-1 (200ppbv)	1576-21	50ppbv	50mL			0852	CB	
3	✓	03	ICAL Level 3	1487-400	200ppbv-200ppbv	2mL			0942	CB	
4	✓	04	5		200ppbv-50ppbv	50mL			1025	CB	
5	✓	05	7		200ppbv	200mL			1131	CB	
6	✓	06	LCS-1 (200ppbv)	1443-347	50ppbv	50mL			1219	CB	
7	X	07	Lab Blank	31437	Humid	200mL			1305	CB	
8	✓	08	Lab Blank						1358	CB	
9	✓	09	07104624-01A	1L Bag	#2 Res.	200mL	1.00		1500	CB	E-flag ETBH > 400

Signature

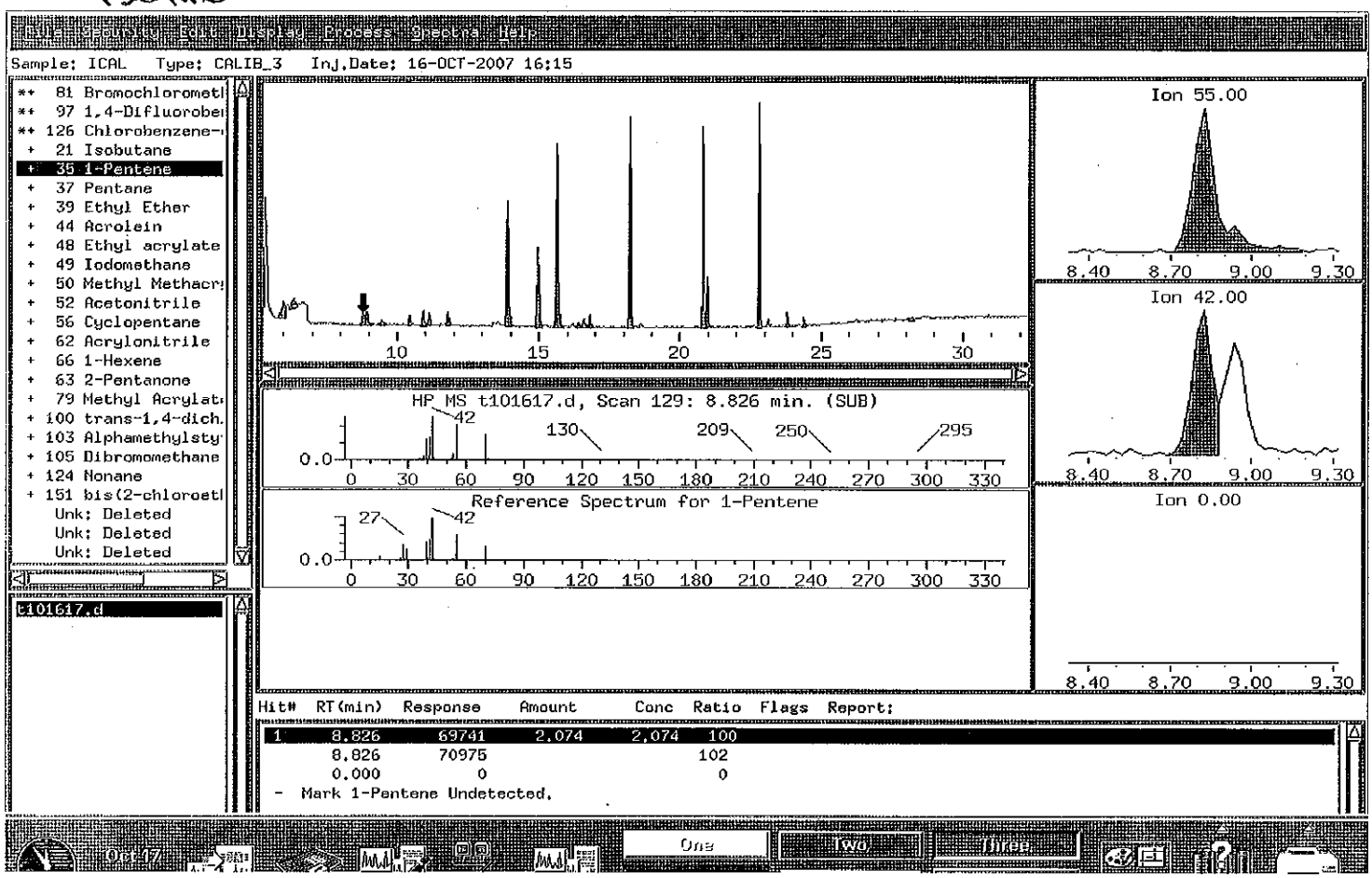
10/18/07
Date

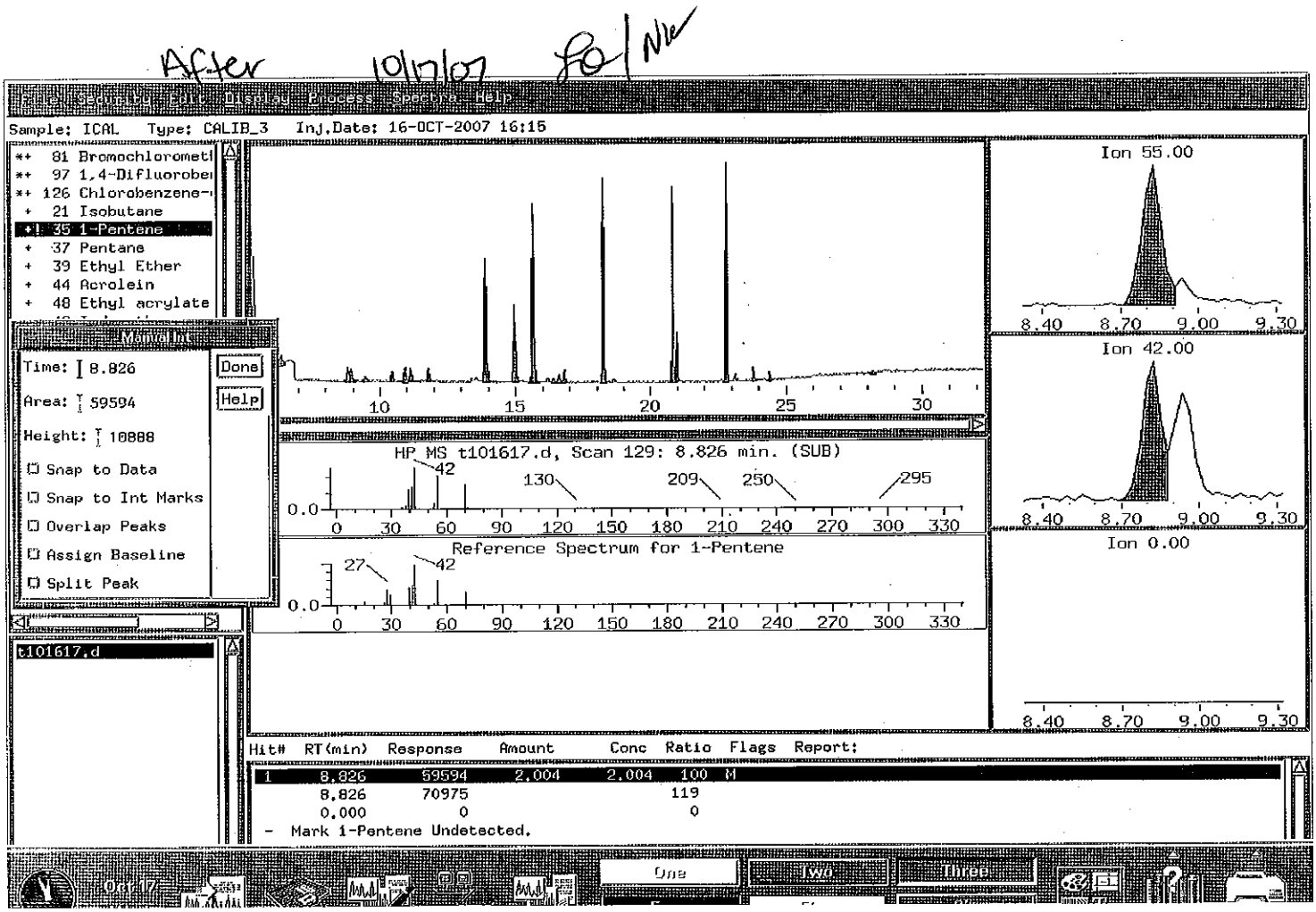
0058

Team VOC

Date / Initial	10/17/07 RO
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	✓

Before

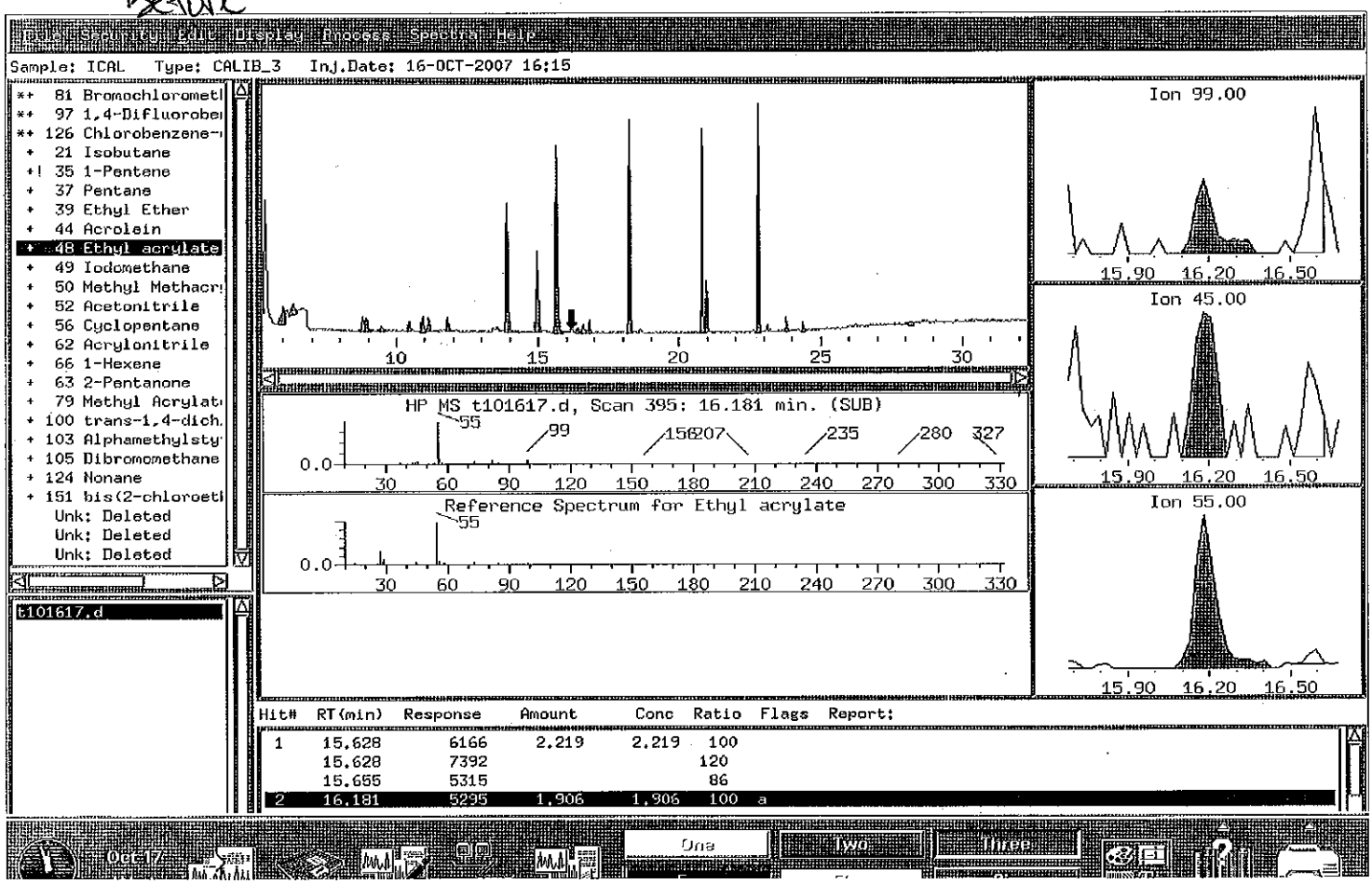



After 10/17/07 FO/NL
Sample: ICAL Type: CALIB_3 Inj.Date: 16-OCT-2007 16:15
** 81 Bromochlorometh
** 97 1,4-Difluorobe
** 126 Chlorobenzene-
+ 21 Isobutane
+! 35 1-Pentene
+ 37 Pentane
+ 39 Ethyl Ether
+ 44 Acrolein
+ 48 Ethyl acrylate
Manual IC
Time: 8.826
Area: 59594
Height: 10888
Snap to Data
Snap to Int Marks
Overlap Peaks
Assign Baseline
Split Peak
Done
Help
t101617.d
HP_MS t101617.d, Scan 129: 8.826 min. (SUB)
Reference Spectrum for 1-Pentene
Ion 55.00
Ion 42.00
Ion 0.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 8.826 59594 2.004 2.004 100 M
8.826 70975 119
0.000 0 0
- Mark 1-Pentene Undetected.

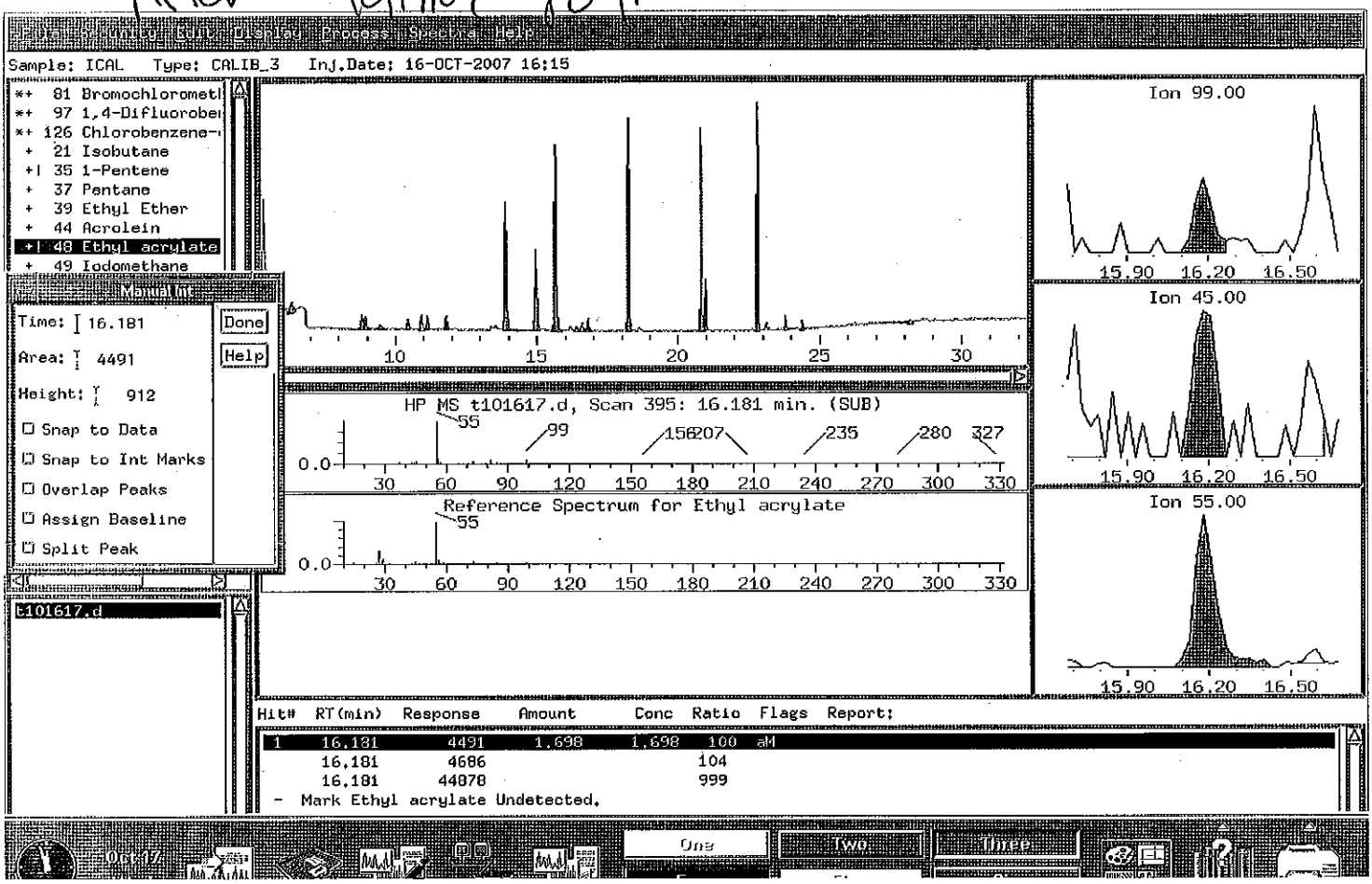
Team VOC

Date / Initial	10/17/07 JO
Poor Integration	✓
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

Before



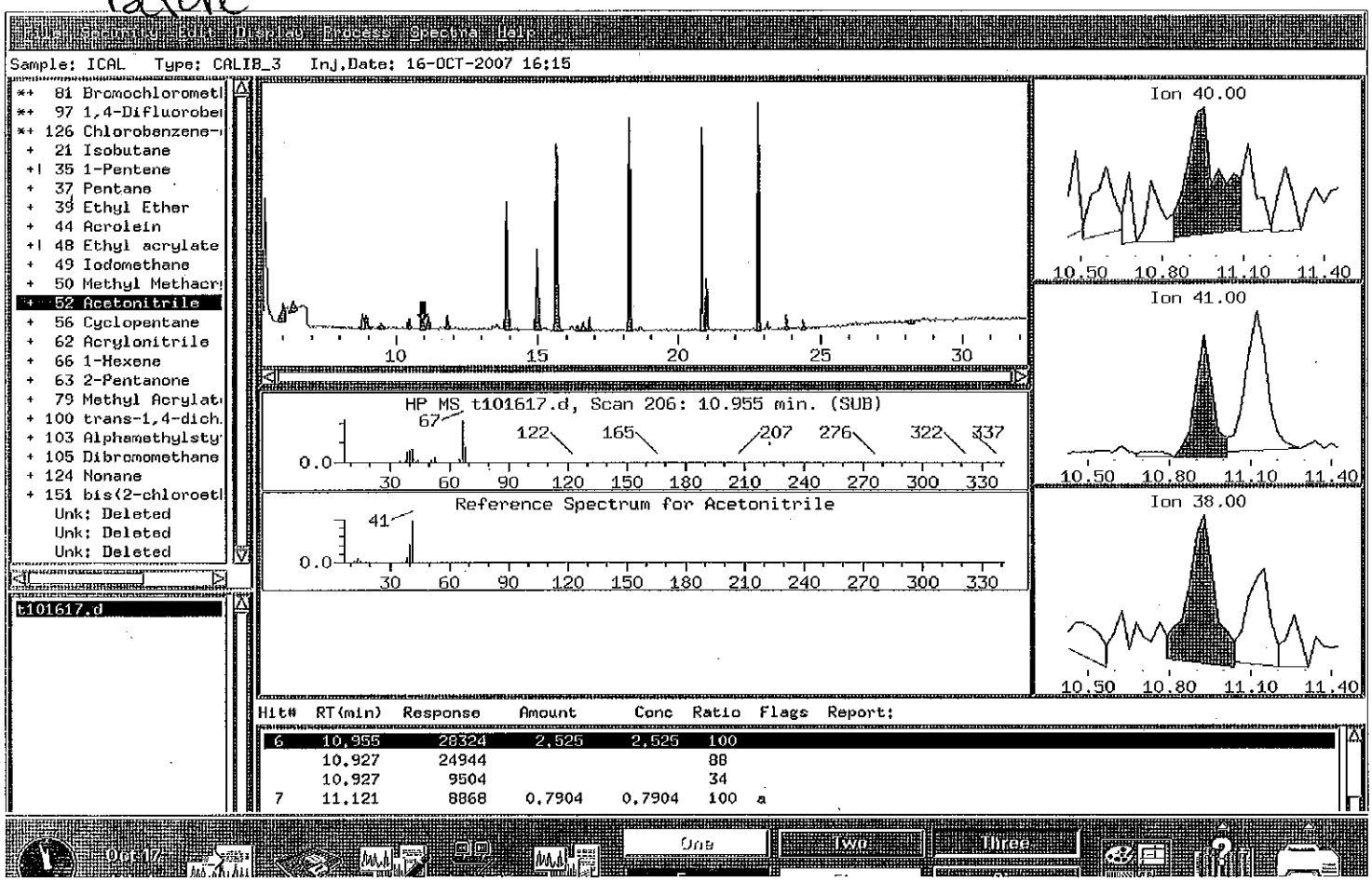
After 10/17/07 RD/NW



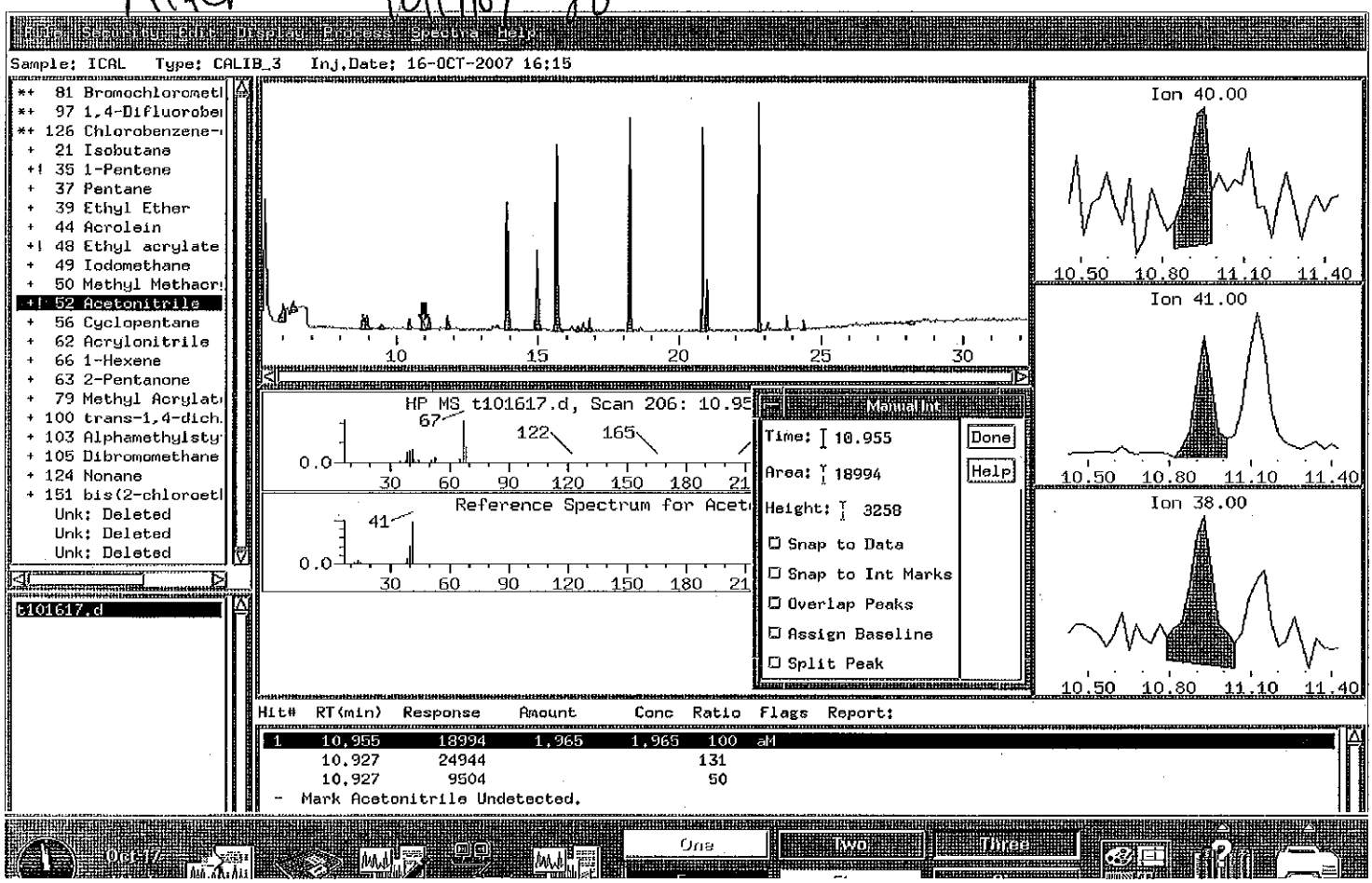
Team VOC

Date / Initial	10/17/07 KO
Poor Integration	✓
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	✓

Before



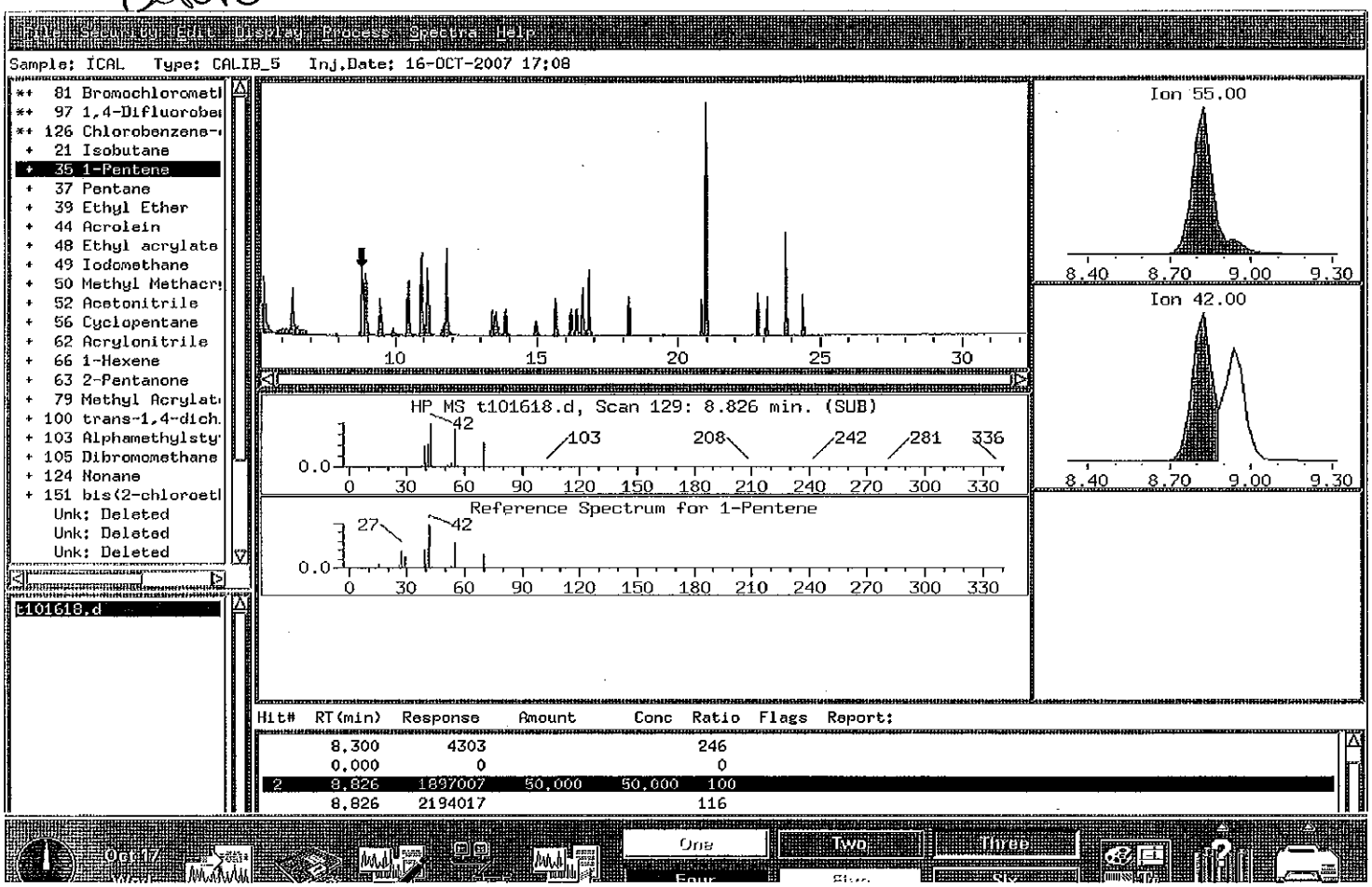
After 10/17/07 BS



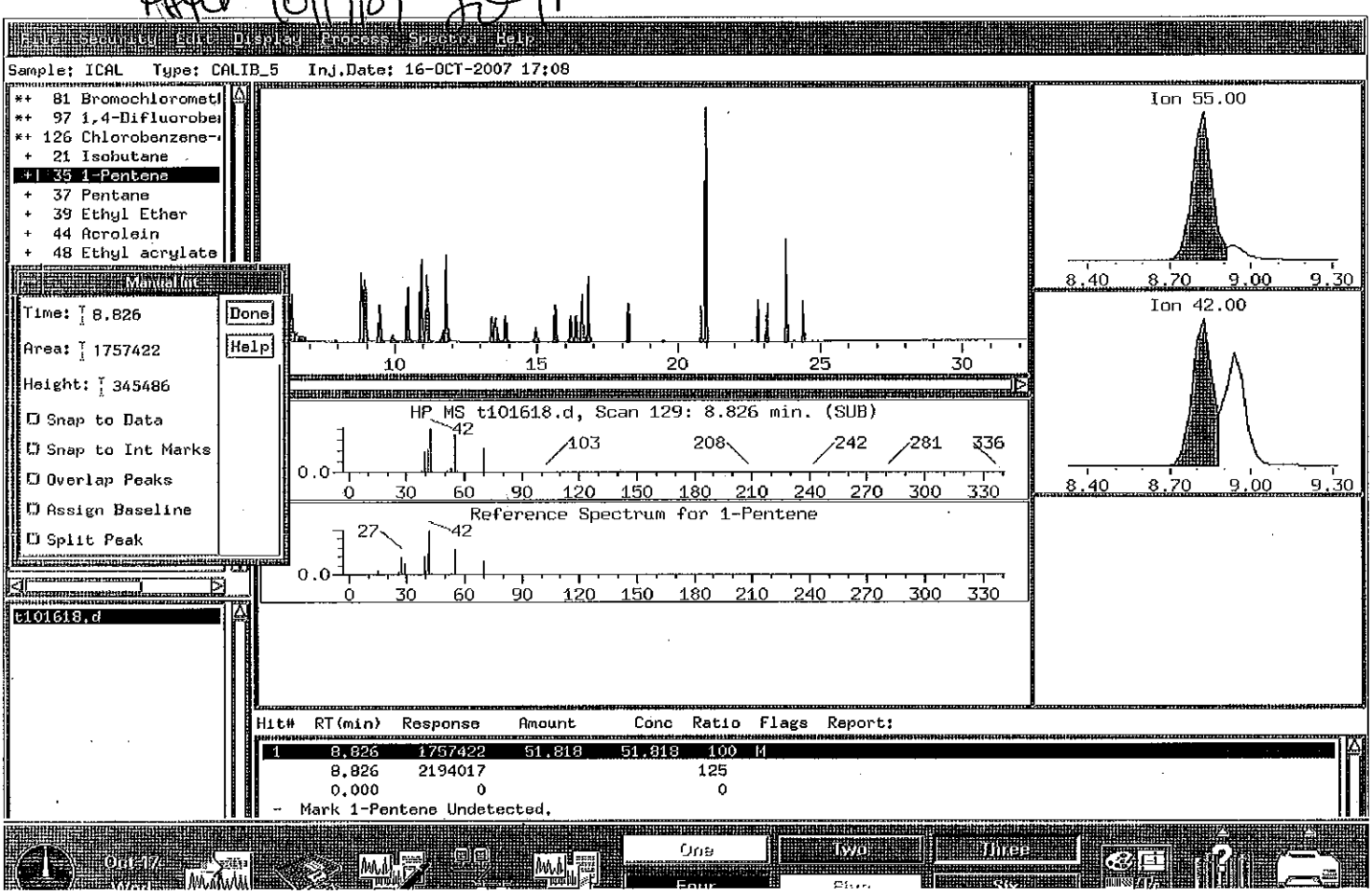
Team VOC

Date / Initial	10/17/07 BD
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom in	
Missed Peak	
Merged Peaks	✓

Before



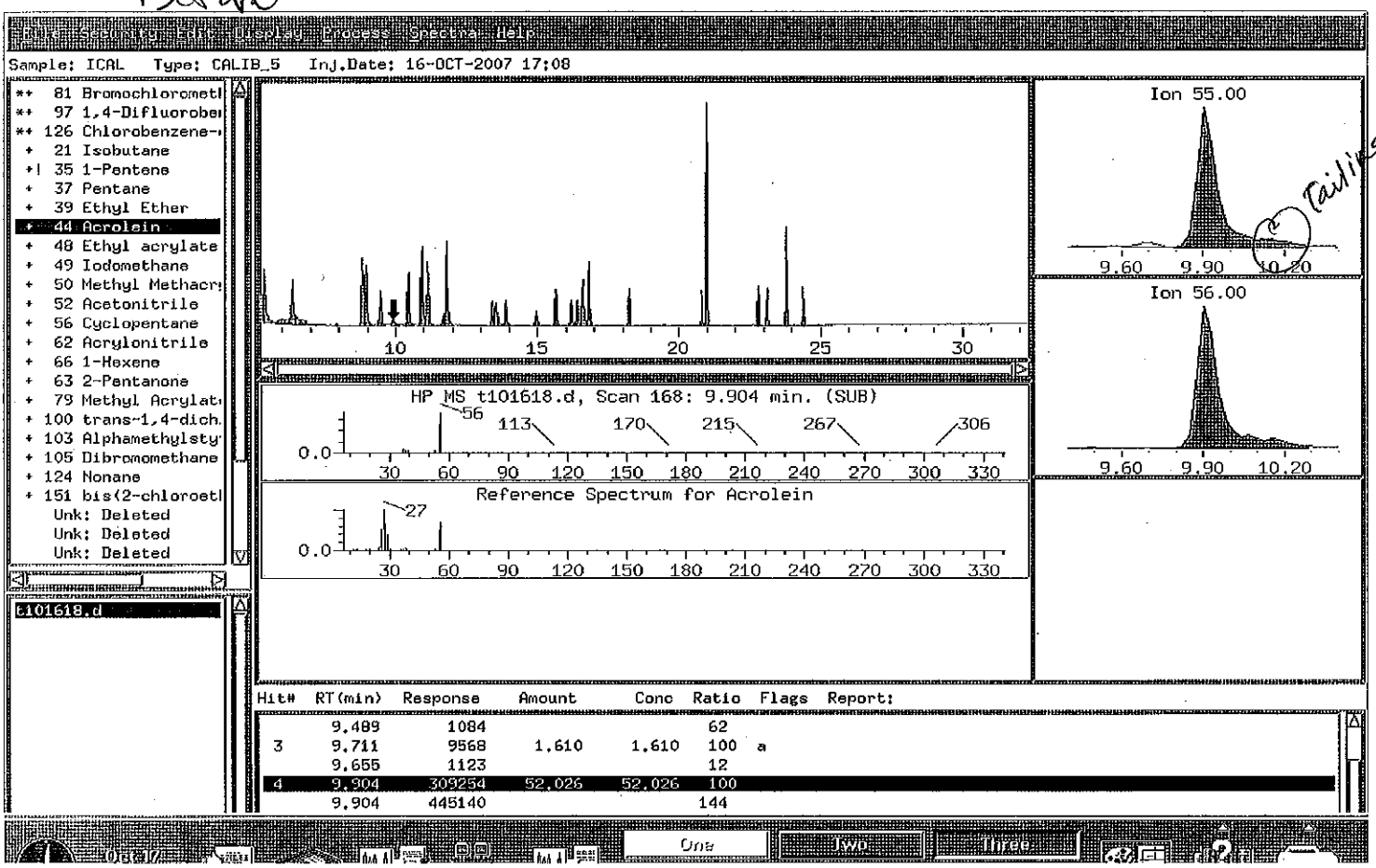
After 10/17/07 for ME



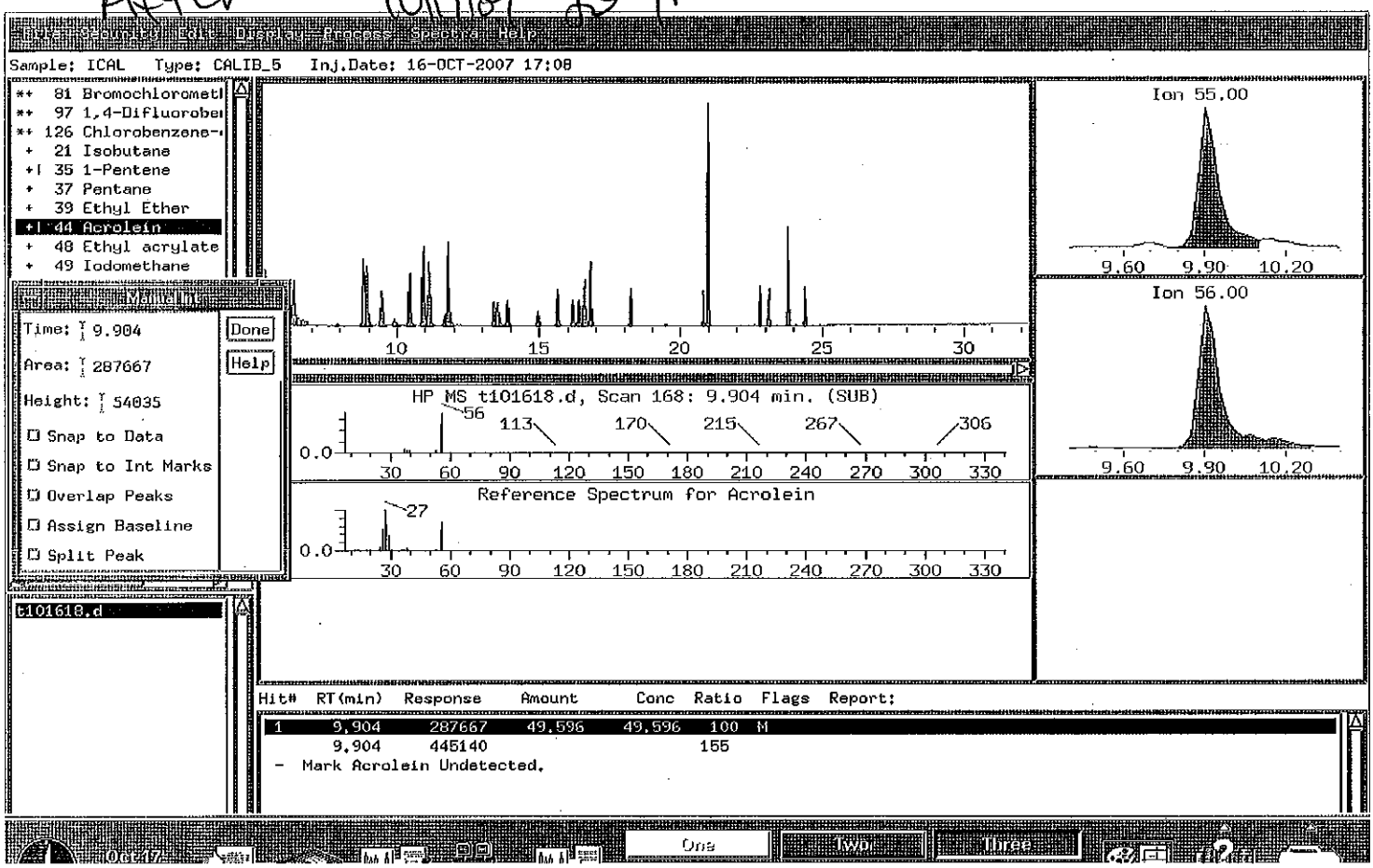
Team VOC

Date / Initial	10/17/07 SO
Poor Integration	
Split Peak	
Peak Tailing	✓
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	

Before



After 10/17/07 RP NE



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/17Oct2007.b/t101705.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 17-OCT-2007 09:41
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1443-347
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/17Oct2007.b/t14q1016a.m
Meth Date : 17-Oct-2007 14:04 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:47 Cal File: t101619.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	483366	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	366750			26.05- 126.05	75.87
13.886	13.886 (1.000)	49	914216			193.42- 293.42	189.14
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1934875	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	312339			0.00- 65.83	16.14
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1138410	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	694122			9.56- 109.56	60.97
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.936 (1.076)	65	863660	27.2921	27.292	80.00- 120.00	100.00
14.937	14.936 (1.076)	67	442500			2.29- 102.29	51.24
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1507343	24.7257	24.726	80.00- 120.00	100.00
18.227	18.227 (1.166)	70	173667			0.00- 61.65	11.52

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	1018893			17.64- 117.64	67.60
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	514870	24.1298	24.130	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	733216			90.76- 190.76	142.41
22.789	22.789 (1.096)	176	515426			47.25- 147.25	100.11
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	743549	57.8614	57.861	80.00- 120.00	100.00
5.840	5.840 (0.421)	42	513022			23.60- 123.60	69.00
5.840	5.840 (0.421)	39	616142			34.83- 134.83	82.87
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	4232637	55.0833	55.083	80.00- 120.00	100.00
5.923	5.923 (0.427)	87	1368822			0.00- 82.50	32.34
16 Freon 114					CAS #: 76-14-2		
6.338	6.337 (0.456)	135	2866041	57.6600	57.660	80.00- 120.00	100.00
6.338	6.337 (0.456)	137	900823			0.00- 83.43	31.43
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	995757	54.1300	54.130	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	321495			0.00- 84.21	32.29
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.890 (0.496)	62	1318623	57.2474	57.247	80.00- 120.00	100.00
6.891	6.890 (0.496)	64	434182			3.43- 103.43	32.93
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	921498	62.5072	62.507	80.00- 120.00	100.00
7.001	7.001 (0.504)	39	883211			57.42- 157.42	95.85
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	932194	49.8676	49.868	80.00- 120.00	100.00
7.941	7.941 (0.572)	96	918200			43.91- 143.91	98.50
27 Chloroethane					CAS #: 75-00-3		
8.190	8.218 (0.590)	64	721932	55.7179	55.718	80.00- 120.00	100.00
8.190	8.218 (0.590)	49	193213			0.00- 79.16	26.76
8.190	8.190 (0.590)	66	232472			0.00- 85.06	32.20
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	4567874	50.0124	50.012	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2951694			13.81- 113.81	64.62

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	9.268 (0.667)	45	336270	60.1247	60.125	80.00- 120.00	100.00
9.268	9.268 (0.667)	43	66039			0.00- 73.59	19.64
9.268	9.268 (0.667)	46	104637			0.00- 89.74	31.12
42 Freon 113					CAS #: 76-13-1		
9.960	9.987 (0.717)	151	2521017	55.4989	55.499	80.00- 120.00	100.00
9.960	9.987 (0.717)	153	1593163			12.91- 112.91	63.20
9.960	9.987 (0.717)	101	3275954			80.89- 180.89	129.95
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.070 (0.723)	61	2678858	55.9149	55.915	80.00- 120.00	100.00
10.043	10.070 (0.723)	96	1672107			12.50- 112.50	62.42
10.043	10.070 (0.723)	98	1074456			0.00- 90.60	40.11
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	775106	56.9930	56.993	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	2202317			309.64- 409.64	284.13
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	2224715	49.9525	49.952	80.00- 120.00	100.00
10.374	10.402 (0.747)	43	761461			11.77- 111.77	34.23
10.402	10.402 (0.749)	59	83963			0.00- 54.32	3.77
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	3816622	50.1539	50.154	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.844 (0.779)	76	874542	52.1126	52.112	80.00- 120.00	100.00
10.817	10.844 (0.779)	41	1914406			166.40- 266.40	218.90
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1600355	51.7678	51.768	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	1390716			37.34- 137.34	86.90
11.121	11.121 (0.801)	51	484150			0.00- 84.73	30.25
60 MTBE					CAS #: 1634-04-4		
11.453	11.480 (0.825)	73	2003745	43.4590	43.459	80.00- 120.00	100.00
11.453	11.480 (0.825)	57	401932			0.00- 70.46	20.06
11.453	11.453 (0.825)	41	398606			0.00- 76.71	19.89
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1908956	52.7754	52.775	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	2590789			86.55- 186.55	135.72
11.563	11.563 (0.833)	98	1213564			12.05- 112.05	63.57

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	11.923 (0.857)	57	2738210	53.8923	53.892	80.00- 120.00	100.00
11.895	11.923 (0.857)	43	1549112			8.55- 108.55	56.57
11.895	11.923 (0.857)	86	449754			0.00- 68.53	16.43
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	301885	54.5810	54.581	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2867662			909.16-1009.16	949.92
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	3459052	52.4268	52.427	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	1108263			0.00- 81.63	32.04
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	589687	53.5341	53.534	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	2142636			304.27- 404.27	363.35
13.416	13.416 (0.966)	57	184652			0.00- 81.46	31.31
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.443 (0.966)	61	2248063	54.0680	54.068	80.00- 120.00	100.00
13.443	13.443 (0.968)	96	1798927			29.93- 129.93	80.02
13.443	13.443 (0.968)	98	1164705			1.64- 101.64	51.81
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	1104056	49.9489	49.949	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	552594			0.35- 100.35	50.05
13.886	13.886 (1.000)	72	591284			0.00- 99.62	53.56
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	3873808	51.8259	51.826	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	2438680			12.78- 112.78	62.95
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.301	14.301 (1.030)	97	3605630	47.9820	47.982	80.00- 120.00	100.00
14.301	14.301 (1.030)	99	2348471			14.38- 114.38	65.13
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	1958892	52.9366	52.937	80.00- 120.00	100.00
14.301	14.301 (1.030)	56	2016389			54.55- 154.55	102.94
14.301	14.301 (1.030)	41	1059429			5.59- 105.59	54.08
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	2678000	49.4658	49.466	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	2819760			53.85- 153.85	105.29
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	6544426	52.8687	52.869	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.881	14.881 (1.072)	56	2130588			0.00- 83.59	32.56
14.881	14.881 (1.072)	41	1716945			0.00- 78.79	26.24
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	4515152	45.7394	45.739	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	1007758			0.00- 74.27	22.32
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.102 (0.965)	62	2158132	51.5375	51.537	80.00- 120.00	100.00
15.075	15.102 (0.965)	64	701827			0.00- 85.54	32.52
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1478890	53.7077	53.708	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	2169142			98.61- 198.61	146.67
15.185	15.185 (0.972)	57	1273424			35.66- 135.66	86.11
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1893547	51.5131	51.513	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1708529			40.32- 140.32	90.23
16.098	16.098 (1.030)	97	1218371			13.91- 113.91	64.34
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1450262	53.0131	53.013	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	1016715			19.75- 119.75	70.11
16.568	16.568 (1.060)	41	839458			7.38- 107.38	57.88
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	697022	47.8389	47.839	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	439660			12.14- 112.14	63.08
16.706	16.706 (1.069)	57	160248			0.00- 72.52	22.99
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	3280567	53.2976	53.298	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	2005654			11.47- 111.47	61.14
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1892838	54.9482	54.948	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	609939			0.00- 81.23	32.22
17.784	17.784 (1.138)	39	932568			0.00- 98.62	49.27
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	892240	54.9262	54.926	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2098900			185.61- 285.61	235.24
17.978	17.978 (1.150)	85	403974			0.00- 97.09	45.28

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	4389118	53.0928	53.093	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2693142			10.91- 110.91	61.36
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1686822	55.7612	55.761	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	543208			0.00- 81.19	32.20
18.780	18.780 (0.903)	39	768619			0.00- 95.78	45.57
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	1564352	52.9967	52.997	80.00- 120.00	100.00
19.112	19.112 (0.919)	99	988038			13.01- 113.01	63.16
19.112	19.112 (0.919)	83	1335268			37.25- 137.25	85.36
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	2073976	52.8938	52.894	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1531637			25.43- 125.43	73.85
19.277	19.277 (0.927)	131	1471777			22.33- 122.33	70.96
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	886697	52.6948	52.695	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	1523335			125.01- 225.01	171.80
19.443	19.443 (0.935)	100	172280			0.00- 70.88	19.43
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2587575	54.0472	54.047	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1985683			26.95- 126.95	76.74
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	2171948	52.3927	52.393	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	2075356			44.50- 144.50	95.55
127 Chlorobenzene					CAS #: 108-90-7		
20.854	20.853 (1.003)	112	3041444	50.2344	50.234	80.00- 120.00	100.00
20.854	20.853 (1.003)	114	988872			0.00- 81.71	32.51
20.854	20.853 (1.003)	77	1926316			12.18- 112.18	63.34
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.964 (1.007)	106	1584600	53.0707	53.071	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	5218318			269.09- 369.09	329.31
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	1877452	53.9078	53.908	80.00- 120.00	100.00
21.158	21.158 (1.017)	91	3873673			151.96- 251.96	206.33
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1738481	55.4701	55.470	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	3816678			167.89- 267.89	219.54
131 Styrene					CAS #: 100-42-5		
21.877	21.876 (1.052)	104	2240202	57.0450	57.045	80.00- 120.00	100.00
21.877	21.876 (1.052)	78	1276731			6.99- 106.99	56.99
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2210635	57.0340	57.034	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1125394			1.17- 101.17	50.91
134 Cumene					CAS #: 98-82-8		
22.430	22.429 (1.078)	105	4971823	57.0198	57.020	80.00- 120.00	100.00
22.430	22.429 (1.078)	120	1250727			0.00- 75.31	25.16
22.430	22.429 (1.078)	51	449484			0.00- 60.20	9.04
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2882510	53.2686	53.269	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1788522			11.99- 111.99	62.05
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	5519446	58.1511	58.151	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1152497			0.00- 71.70	20.88
23.121	23.121 (1.112)	105	185149			0.00- 53.96	3.35
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	4557803	61.3090	61.309	80.00- 120.00	100.00
23.287	23.287 (1.120)	120	1309410			0.00- 78.25	28.73
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	4224615	61.7474	61.747	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1973884			0.00- 95.79	46.72
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	3408315	63.2364	63.236	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1476495			0.00- 96.64	43.32
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1815002	55.4670	55.467	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	1165976			13.33- 113.33	64.24
24.586	24.586 (1.182)	111	765487			0.00- 92.09	42.18
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	1724054	55.1087	55.109	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	1080455			14.12- 114.12	62.67
24.724	24.752 (1.189)	111	689712			0.00- 90.47	40.01

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	1962924	60.0439	60.044	80.00- 120.00	100.00
24.946	24.946 (1.199)	126	374594			0.00- 70.20	19.08
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1531970	54.8345	54.834	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	970050			13.77- 113.77	63.32
25.360	25.360 (1.219)	111	671000			0.00- 93.47	43.80
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	1193733	57.4935	57.494	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	1095586			45.85- 145.85	91.78
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	886871	51.7413	51.741	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	543428			13.03- 113.03	61.27
29 Isopentane					CAS #: 78-78-4		
8.301	8.301 (0.598)	43	1410426	52.1684	52.168	80.00- 120.00	100.00
8.301	8.301 (0.598)	57	1091860			23.83- 123.83	77.41
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	265975	60.7317	60.732	80.00- 120.00	100.00
6.835	6.835 (0.492)	43	1877334			695.45- 795.45	705.83
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.374 (1.177)	83	2542390	54.1364	54.136	80.00- 120.00	100.00
16.374	16.374 (1.179)	98	1133986			0.00- 96.80	44.60
16.347	16.374 (1.177)	55	1886896			23.37- 123.37	74.22
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1399832	53.4536	53.454	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	172976			0.00- 64.10	12.36

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101705.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/17Oct2007.b/t14q1016a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 17-OCT-2007
Calibration Time: 07:48
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	457406	274444	640368	483366	5.68
97 1,4-Difluorobenze	1914798	1148879	2680717	1934875	1.05
126 Chlorobenzene-d5	1252121	751273	1752969	1138410	-9.08

		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: 17-Oct-2007 14:06

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 17Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/17Oct2007.b/t14q1016a.m
Misc Info: 200ppbv --> 50ppbv

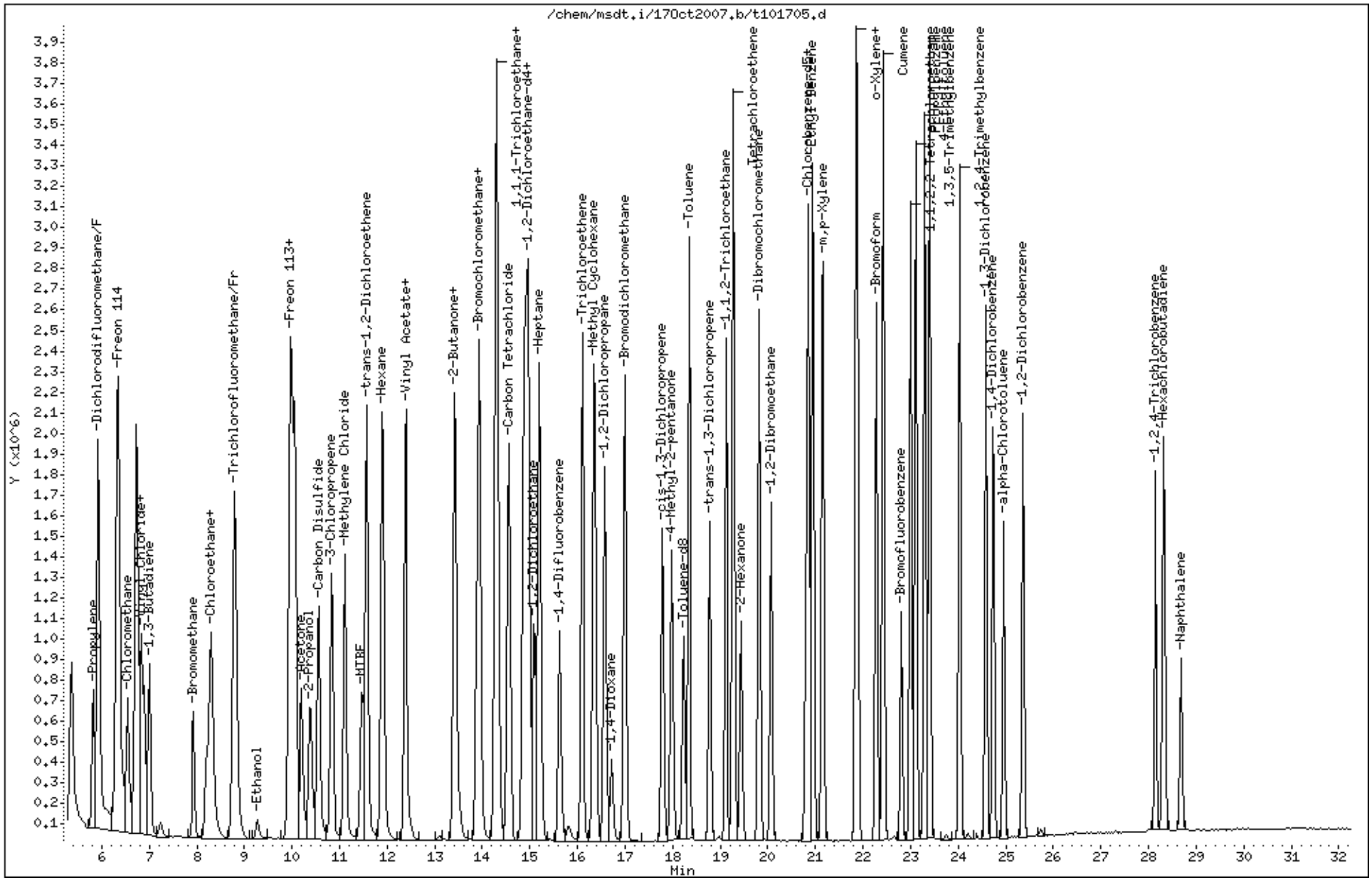
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	55.083	110.17	70-130
16 Freon 114	50.000	57.660	115.32	70-130
18 Chloromethane	50.000	54.130	108.26	70-130
20 Vinyl Chloride	50.000	57.247	114.49	70-130
22 1,3-Butadiene	50.000	62.507	125.01	60-140
25 Bromomethane	50.000	49.868	99.74	70-130
27 Chloroethane	50.000	55.718	111.44	70-130
31 Trichlorofluoromet	50.000	50.012	100.02	70-130
38 Ethanol	50.000	60.125	120.25	60-140
42 Freon 113	50.000	55.499	111.00	70-130
43 1,1-Dichloroethene	50.000	55.915	111.83	70-130
45 Acetone	50.000	56.993	113.99	60-140
47 Carbon Disulfide	50.000	50.154	100.31	60-140
46 2-Propanol	50.000	49.952	99.91	60-140
54 Methylene Chloride	50.000	51.768	103.54	70-130
60 MTBE	50.000	43.459	86.92	60-140
61 trans-1,2-Dichloro	50.000	52.775	105.55	60-140
65 Hexane	50.000	53.892	107.78	60-140
70 1,1-Dichloroethane	50.000	52.427	104.85	70-130
76 cis-1,2-Dichloroet	50.000	54.068	108.14	70-130
75 2-Butanone	50.000	53.534	107.07	60-140
80 Tetrahydrofuran	50.000	49.949	99.90	60-140
82 Chloroform	50.000	51.826	103.65	70-130
85 Cyclohexane	50.000	52.937	105.87	60-140
83 1,1,1-Trichloroeth	50.000	47.982	95.96	70-130
87 Carbon Tetrachlori	50.000	49.466	98.93	70-130
91 Benzene	50.000	45.739	91.48	70-130
93 1,2-Dichloroethane	50.000	51.537	103.07	70-130
94 Heptane	50.000	53.708	107.42	60-140
101 Trichloroethene	50.000	51.513	103.03	70-130
104 1,2-Dichloropropan	50.000	53.013	106.03	70-130
106 1,4-Dioxane	50.000	47.839	95.68	60-140
107 Bromodichlorometha	50.000	53.298	106.60	60-140

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110	cis-1,3-Dichloropr	50.000	54.948	109.90	70-130
111	4-Methyl-2-pentano	50.000	54.926	109.85	60-140
114	Toluene	50.000	53.093	106.19	70-130
116	trans-1,3-Dichloro	50.000	55.761	111.52	70-130
117	1,1,2-Trichloroeth	50.000	52.997	105.99	70-130
120	Tetrachloroethene	50.000	52.894	105.79	70-130
121	2-Hexanone	50.000	52.695	105.39	60-140
122	Dibromochlorometha	50.000	54.047	108.09	60-140
123	1,2-Dibromoethane	50.000	52.393	104.79	70-130
127	Chlorobenzene	50.000	50.234	100.47	70-130
128	Ethyl Benzene	50.000	53.071	106.14	70-130
129	m,p-Xylene	50.000	53.908	107.82	70-130
130	o-Xylene	50.000	55.470	110.94	70-130
131	Styrene	50.000	57.045	114.09	70-130
133	Bromoform	50.000	57.034	114.07	60-140
140	1,1,2,2-Tetrachlor	50.000	53.269	106.54	70-130
145	4-Ethyltoluene	50.000	61.309	122.62	60-140
147	1,3,5-Trimethylben	50.000	61.747	123.49	70-130
150	1,2,4-Trimethylben	50.000	63.236	126.47	70-130
155	1,3-Dichlorobenzen	50.000	55.467	110.93	70-130
156	1,4-Dichlorobenzen	50.000	55.109	110.22	70-130
159	alpha-Chlorotoluen	50.000	60.044	120.09	70-130
161	1,2-Dichlorobenzen	50.000	54.834	109.67	70-130
165	1,2,4-Trichloroben	50.000	57.494	114.99	70-130
166	Hexachlorobutadien	50.000	51.741	103.48	70-130
142	Propylbenzene	50.000	58.151	116.30	60-140
134	Cumene	50.000	57.020	114.04	60-140
51	3-Chloropropene	50.000	52.112	104.23	60-140
89	2,2,4-Trimethylpen	50.000	52.869	105.74	60-140
19	Butane	50.000	60.732	121.46	70-130
29	Isopentane	50.000	52.168	104.34	70-130
102	Methyl Cyclohexane	50.000	54.136	108.27	70-130
11	Propylene	50.000	57.861	115.72	60-140
167	Naphthalene	50.000	53.454	106.91	60-140

	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90	1,2-Dichloroethane	25.000	27.292	109.17	70-130
$ 113	Toluene-d8	25.000	24.726	98.90	70-130
$ 137	Bromofluorobenzene	25.000	24.130	96.52	70-130

Data File: /chem/msdt.i/17Oct2007.b/t101705.d
Date : 17-OCT-2007 09:41
Client ID: LCS-1
Sample Info: 50mL #1443-347

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



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101602.d
Lab Smp Id: ICAL Level 1
Inj Date : 16-OCT-2007 03:04
Operator : ab Inst ID: msdt.i
Smp Info : 0.2mL#1576-21
Misc Info : 200-0.2ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:51 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 03:04 Cal File: t101602.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		
13.886	13.886 (1.000)	130	449170	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	355765			28.39- 128.39	79.20
13.886	13.886 (1.000)	49	553970			72.54- 172.54	123.33
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1761459	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	256671			0.00- 65.51	14.57
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1135872	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	668097			9.56- 109.56	58.82
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	676239	25.0000	22.996	50.00- 150.00	100.00
14.936	14.936 (1.076)	67	338734			2.29- 102.29	50.09
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1431573	25.0000	25.795	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	158684			0.00- 61.65	11.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	956840			17.64- 117.64	66.84
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	554930	25.0000	26.065	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	798204			92.26- 192.26	143.84
22.789	22.789 (1.096)	176	519897			46.26- 146.26	93.69
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	14078	0.20000	0.2027	50.00- 150.00	100.00(a)
13.941	13.941 (1.004)	85	8122			12.59- 112.59	57.69
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	26517	0.20000	0.2951	50.00- 150.00	100.00(a)
15.075	15.075 (0.965)	77	9686			0.00- 74.27	36.53
131 Styrene					CAS #: 100-42-5		
21.904	21.904 (1.053)	104	6523	0.20000	0.1665	50.00- 150.00	100.00(a)
21.849	21.849 (1.051)	78	4432			13.72- 113.72	67.94
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	14086	0.20000	0.1619	50.00- 150.00	100.00(a)
22.429	22.429 (1.078)	120	3893			0.00- 75.31	27.64
22.402	22.402 (1.077)	51	2072			0.00- 60.20	14.71

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: t101602.d
Lab Smp Id: ICAL Level 1
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200-0.2ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 03:04
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	449170	269502	628838	449170	0.00
97 1,4-Difluorobenze	1761459	1056875	2466043	1761459	0.00
126 Chlorobenzene-d5	1135872	681523	1590221	1135872	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.

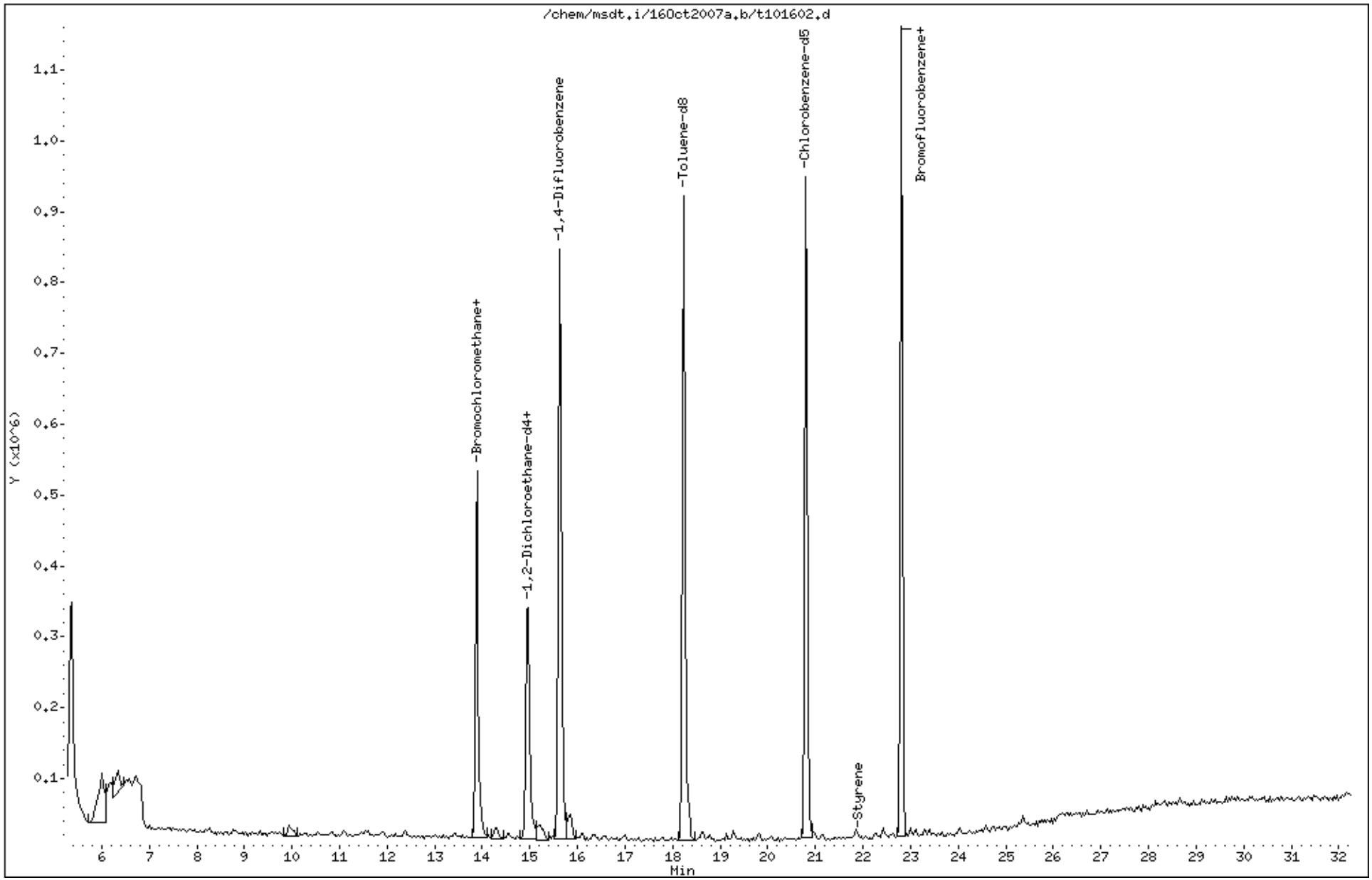
0084

Data File: /chem/msdt.i/16Oct2007a.b/t101602.d
Date : 16-OCT-2007 03:04
Client ID:
Sample Info: 0.2mL#1576-21

Instrument: msdt.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101611.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 16-OCT-2007 11:32
Operator : cb Inst ID: msdt.i
Smp Info : 0.5mL #1576-21
Misc Info : 200ppbv --> 0.5ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:51 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 11:32 Cal File: t101611.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	441441	25.0000		50.00- 150.00		100.00
13.886	13.886 (1.000)	128	353799			28.39- 128.39		80.15
13.886	13.886 (1.000)	49	545073			72.54- 172.54		123.48
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	1656420	25.0000		50.00- 150.00		100.00
15.628	15.628 (1.000)	88	265450			0.00- 65.51		16.03
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	1006443	25.0000		50.00- 150.00		100.00
20.798	20.798 (1.000)	82	605682			9.56- 109.56		60.18
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.964	14.964 (1.078)	65	664006	25.0000	22.976	50.00- 150.00		100.00
14.964	14.964 (1.078)	67	327659			2.29- 102.29		49.35
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.227	18.227 (1.166)	98	1312483	25.0000	25.148	50.00- 150.00		100.00
18.227	18.227 (1.166)	70	150649			0.00- 61.65		11.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	863088			17.64- 117.64	65.76
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	468453	25.0000	24.833	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	673434			92.26- 192.26	143.76
22.789	22.789 (1.096)	176	461663			46.26- 146.26	98.55
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	35473	0.50000	0.5055	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	11728			0.00- 82.50	33.06
16 Freon 114					CAS #: 76-14-2		
6.338	6.338 (0.456)	135	21074	0.50000	0.4642	50.00- 150.00	100.00(a)
6.365	6.365 (0.458)	137	8575			0.00- 83.43	40.69
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.891 (0.496)	62	10297	0.50000	0.4895	50.00- 150.00	100.00(a)
6.918	6.918 (0.498)	64	8983			3.43- 103.43	87.24
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	5984	0.50000	0.4444	50.00- 150.00	100.00(a)
7.001	7.001 (0.504)	39	7863			57.42- 157.42	131.40
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	8180	0.50000	0.4791	50.00- 150.00	100.00(a)
7.941	7.941 (0.572)	96	6991			43.08- 143.08	85.46
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.592)	64	5529	0.50000	0.4672	50.00- 150.00	100.00(a)
8.218	8.218 (0.592)	49	1667			0.00- 79.16	30.15
8.218	8.218 (0.592)	66	2780			0.00- 85.06	50.28
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	42062	0.50000	0.5043	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	25226			13.17- 113.17	59.97
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	21321	0.50000	0.5139	50.00- 150.00	100.00
9.987	9.987 (0.719)	153	15095			14.35- 114.35	70.80
9.960	9.960 (0.717)	101	30530			83.22- 183.22	143.19
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	20624	0.50000	0.4714	50.00- 150.00	100.00(a)
10.043	10.043 (0.723)	96	14105			13.15- 113.15	68.39
10.043	10.043 (0.723)	98	9629			0.00- 90.51	46.69

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	38366	0.50000	0.5520	50.00- 150.00	100.00
54 Methylene Chloride						CAS #: 75-09-2	
11.121	11.121 (0.801)	49	15350	0.50000	0.5437	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	14454			38.48- 138.48	94.16
11.121	11.121 (0.801)	51	7294			0.00- 84.73	47.52
60 MTBE						CAS #: 1634-04-4	
11.453	11.453 (0.825)	73	22491	0.50000	0.5341	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	5697			0.00- 70.96	25.33
11.480	11.480 (0.827)	41	9592			0.00- 76.71	42.65
61 trans-1,2-Dichloroethene						CAS #: 156-60-5	
11.563	11.563 (0.833)	96	14858	0.50000	0.4498	50.00- 150.00	100.00(a)
11.563	11.563 (0.833)	61	18011			82.45- 182.45	121.22
11.563	11.563 (0.833)	98	8926			12.05- 112.05	60.08
65 Hexane						CAS #: 110-54-3	
11.923	11.923 (0.859)	57	22816	0.50000	0.4917	50.00- 150.00	100.00(a)
11.895	11.895 (0.857)	43	13708			8.55- 108.55	60.08
11.923	11.923 (0.859)	86	5315			0.00- 68.53	23.30
70 1,1-Dichloroethane						CAS #: 75-34-3	
12.393	12.393 (0.892)	63	28516	0.50000	0.4732	50.00- 150.00	100.00(a)
12.393	12.393 (0.892)	65	9571			0.00- 82.43	33.56
75 2-Butanone						CAS #: 78-93-3	
13.416	13.416 (0.966)	72	2841	0.50000	0.2824	50.00- 150.00	100.00(a)
13.416	13.416 (0.966)	43	13825			333.66- 433.66	486.62
0.000	1.000 (0.000)	57	0			0.00- 81.46	0.00
76 cis-1,2-Dichloroethene						CAS #: 156-59-2	
13.443	13.443 (0.968)	61	15171	0.50000	0.3995	50.00- 150.00	100.00(a)
13.443	13.443 (0.968)	96	12809			31.18- 131.18	84.43
13.443	13.443 (0.968)	98	7143			1.27- 101.27	47.08
80 Tetrahydrofuran						CAS #: 109-99-9	
13.886	13.886 (1.000)	42	9172	0.50000	0.4544	50.00- 150.00	100.00(a)
13.886	13.886 (1.000)	71	4754			0.00- 98.53	51.83
13.913	13.913 (1.002)	72	3596			0.00- 99.62	39.21
82 Chloroform						CAS #: 67-66-3	
13.941	13.941 (1.004)	83	26323	0.50000	0.3856	50.00- 150.00	100.00(a)
13.941	13.941 (1.004)	85	18418			12.59- 112.59	69.97

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		
14.301	14.301 (1.030)	97	32786	0.50000	0.4777	50.00- 150.00	100.00(a)
14.301	14.301 (1.030)	99	21837			14.72- 114.72	66.60
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	16492	0.50000	0.4880	50.00- 150.00	100.00(a)
14.301	14.301 (1.030)	56	14156			48.94- 148.94	85.84
14.301	14.301 (1.030)	41	12318			10.21- 110.21	74.69
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	23128	0.50000	0.4678	50.00- 150.00	100.00(a)
14.549	14.549 (1.048)	117	23705			54.66- 154.66	102.49
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	42163	0.50000	0.4989	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	8740			0.00- 74.27	20.73
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	44504	0.50000	0.3937	50.00- 150.00	100.00(a)
14.881	14.881 (1.072)	56	15806			0.00- 83.59	35.52
14.909	14.909 (1.074)	41	14908			0.00- 78.79	33.50
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	15438	0.50000	0.4306	50.00- 150.00	100.00(a)
15.102	15.102 (0.966)	64	6820			0.00- 85.54	44.18
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	9504	0.50000	0.4032	50.00- 150.00	100.00(a)
15.185	15.185 (0.972)	43	14191			98.61- 198.61	149.32
15.185	15.185 (0.972)	57	7707			35.66- 135.66	81.09
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	14393	0.50000	0.4574	50.00- 150.00	100.00(a)
16.098	16.098 (1.030)	130	12490			42.85- 142.85	86.78
16.098	16.098 (1.030)	97	7085			12.59- 112.59	49.23
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	10557	0.50000	0.4508	50.00- 150.00	100.00(a)
16.568	16.568 (1.060)	62	6693			20.29- 120.29	63.40
16.568	16.568 (1.060)	41	8221			16.08- 116.08	77.87
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	19534	0.50000	0.3707	50.00- 150.00	100.00(a)
17.010	17.010 (1.088)	85	13562			13.24- 113.24	69.43
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.812	17.812 (1.140)	75	11052	0.50000	0.3748	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	5069			0.00- 85.30	45.87
17.784	17.784 (1.138)	39	6788			1.15- 101.15	61.42
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	5416	0.50000	0.3894	50.00- 150.00	100.00(a)
18.006	18.006 (1.152)	43	11118			185.61- 285.61	205.28
18.006	18.006 (1.152)	85	2017			0.00- 97.09	37.24
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	34153	0.50000	0.4826	50.00- 150.00	100.00(a)
18.337	18.337 (1.173)	92	20423			11.38- 111.38	59.80
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	9625	0.50000	0.3599	50.00- 150.00	100.00(a)
18.807	18.807 (0.904)	77	3760			0.00- 82.97	39.06
18.780	18.780 (0.903)	39	9096			6.40- 106.40	94.50
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	10951	0.50000	0.4196	50.00- 150.00	100.00(a)
19.112	19.112 (0.919)	99	5637			10.02- 110.02	51.47
19.112	19.112 (0.919)	83	9854			36.34- 136.34	89.98
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	14529	0.50000	0.4191	50.00- 150.00	100.00(a)
19.277	19.277 (0.927)	129	11685			26.94- 126.94	80.43
19.277	19.277 (0.927)	131	11123			23.34- 123.34	76.56
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	15169	0.50000	0.3584	50.00- 150.00	100.00(a)
19.803	19.803 (0.952)	127	11462			26.95- 126.95	75.56
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	14974	0.50000	0.4086	50.00- 150.00	100.00(a)
20.079	20.079 (0.965)	109	13952			46.01- 146.01	93.17
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	25510	0.50000	0.4766	50.00- 150.00	100.00(a)
20.881	20.881 (1.004)	114	9874			0.00- 83.92	38.71
20.853	20.853 (1.003)	77	30842			23.65- 123.65	120.90
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	10532	0.50000	0.3990	50.00- 150.00	100.00(a)
20.936	20.936 (1.007)	91	32869			269.09- 369.09	312.09
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	13187	0.50000	0.4283	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	26127			151.96- 251.96	198.13
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	11546	0.50000	0.4167	50.00- 150.00	100.00(a)
21.849	21.849 (1.051)	91	25834			165.70- 265.70	223.75
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	12654	0.50000	0.3645	50.00- 150.00	100.00(a)
21.877	21.877 (1.052)	78	11379			13.72- 113.72	89.92
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	11432	0.50000	0.3336	50.00- 150.00	100.00(a)
22.291	22.291 (1.072)	171	7033			3.53- 103.53	61.52
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	31927	0.50000	0.4142	50.00- 150.00	100.00(a)
22.430	22.430 (1.078)	120	7863			0.00- 75.31	24.63
22.430	22.430 (1.078)	51	3405			0.00- 60.20	10.66
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	20040	0.50000	0.4189	50.00- 150.00	100.00(a)
23.010	23.010 (1.106)	85	11830			11.18- 111.18	59.03
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	36675	0.50000	0.4371	50.00- 150.00	100.00(a)
23.121	23.121 (1.112)	120	8030			0.00- 71.70	21.90
23.121	23.121 (1.112)	105	2041			0.00- 53.96	5.57
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	25198	0.50000	0.3834	50.00- 150.00	100.00(a)
23.314	23.314 (1.121)	120	6828			0.00- 78.57	27.10
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	23695	0.50000	0.3917	50.00- 150.00	100.00(a)
23.397	23.397 (1.125)	120	9876			0.00- 95.79	41.68
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	15370	0.50000	0.3226	50.00- 150.00	100.00(a)
24.033	24.033 (1.156)	120	7949			0.00- 96.64	51.72
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	15037	0.50000	0.5198	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	8942			13.33- 113.33	59.47
24.586	24.586 (1.182)	111	6219			0.00- 92.09	41.36

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		
24.752	24.752 (1.190)	146	13832	0.50000	0.5001	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	9677			14.12- 114.12	69.96
24.724	24.724 (1.189)	111	5165			0.00- 90.47	37.34
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	12845	0.50000	0.4444	50.00- 150.00	100.00(a)
24.946	24.946 (1.199)	126	3165			0.00- 70.20	24.64
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	12933	0.50000	0.5236	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	9499			14.00- 114.00	73.45
25.360	25.360 (1.219)	111	4369			0.00- 91.07	33.78
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	15840	0.50000	0.3693	50.00- 150.00	100.00(a)
16.402	16.402 (1.181)	98	8835			0.00- 96.80	55.78
16.347	16.347 (1.177)	55	12802			23.37- 123.37	80.82

QC Flag Legend

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

Report Date: 17-Oct-2007 13:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101611.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 0.5ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 11:32
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	441441	264865	618017	441441	0.00
97 1,4-Difluorobenze	1656420	993852	2318988	1656420	0.00
126 Chlorobenzene-d5	1006443	603866	1409020	1006443	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/16Oct2007a.b/t101611.d

Date : 16-OCT-2007 11:32

Client ID: Level 2

Sample Info: 0.5mL #1576-21

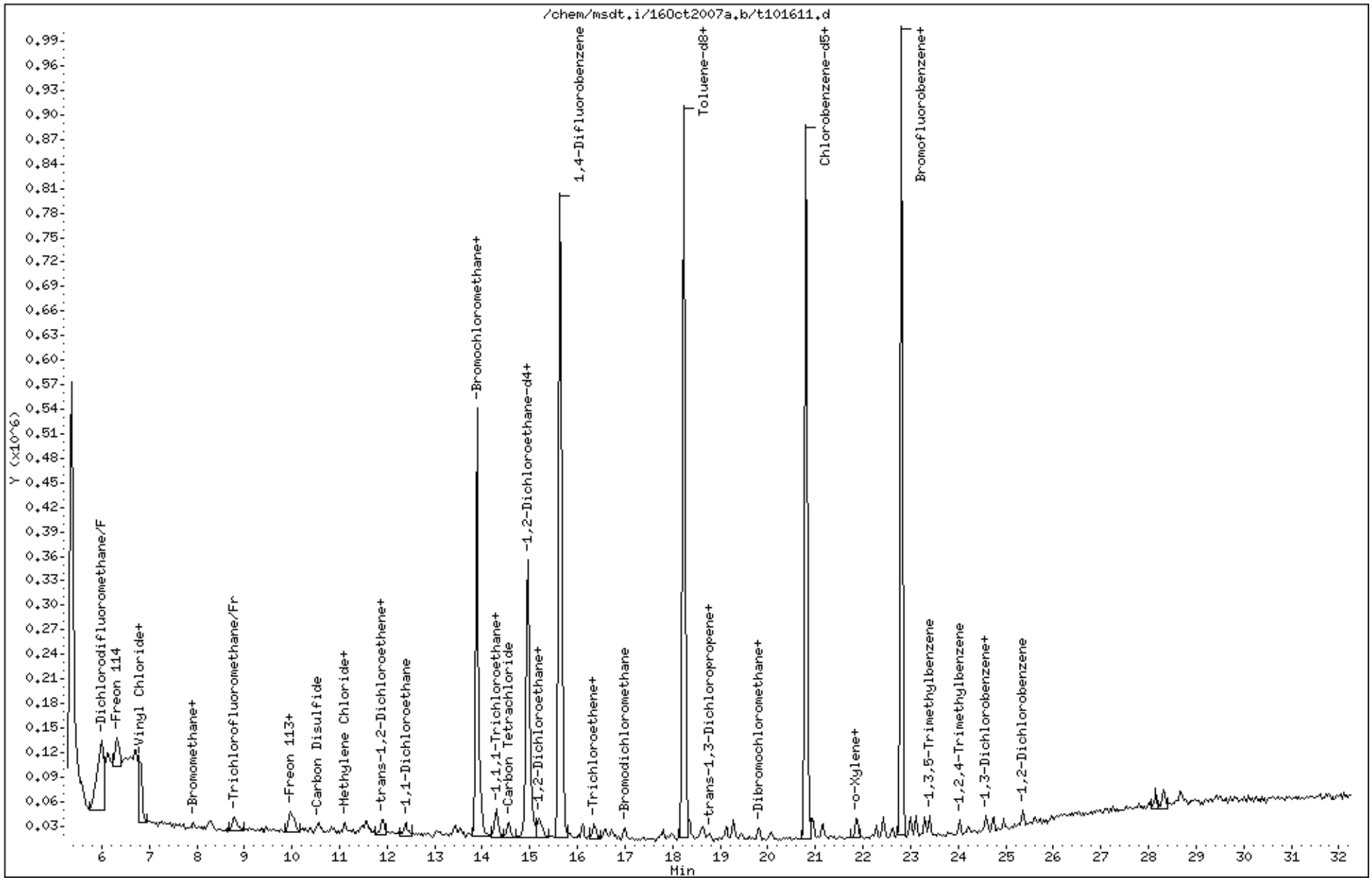
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0093



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Oct2007.b/t101903.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 19-OCT-2007 09:42
Operator : cb Inst ID: msdt.i
Smp Info : 2mL #1487-400
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Meth Date : 19-Oct-2007 11:58 cbond Quant Type: ISTD
Cal Date : 19-OCT-2007 09:42 Cal File: t101903.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		
13.886	13.886 (1.000)	130	411223	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	324832			28.72- 128.72	78.99
13.886	13.886 (1.000)	49	547440			73.94- 173.94	133.12
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1598337	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	256857			0.00- 65.57	16.07
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	962039	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	569080			9.47- 109.47	59.15
5 Freon 143a					CAS #: 420-46-2		
5.508	5.508 (0.397)	69	51356	2.00000	2.000	50.00- 150.00	100.00
6 Freon142b					CAS #: 75-68-3		
6.420	6.420 (0.462)	65	108449	2.00000	2.000	50.00- 150.00	100.00
6.420	6.420 (0.462)	45	32529			0.00- 79.99	29.99

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.397	5.397 (0.389)	69	72692	2.00000	2.000	50.00- 150.00	100.00
5.397	5.397 (0.389)	85	27270			0.00- 87.51	37.51
5.397	5.397 (0.389)	87	8970			0.00- 62.34	12.34
13 Freon 134a					CAS #: 811-97-2		
5.674	5.674 (0.409)	83	42167	2.00000	2.000	50.00- 150.00	100.00
5.674	5.674 (0.409)	69	32612			27.34- 127.34	77.34
15 Freon 152a					CAS #: 75-37-6		
5.840	5.840 (0.421)	65	20231	2.00000	2.000	50.00- 150.00	100.00
5.840	5.840 (0.421)	51	35779			126.85- 226.85	176.85
5.840	5.840 (0.421)	47	9574			0.00- 97.32	47.32
17 Freon 22					CAS #: 75-45-6		
6.006	6.006 (0.432)	67	11072	2.00000	2.000	50.00- 150.00	100.00
5.978	5.978 (0.430)	51	58274			476.32- 576.32	526.32
6.006	6.006 (0.432)	85	2475			0.00- 72.35	22.35
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.715	8.715 (0.628)	67	86848	2.00000	2.000	50.00- 150.00	100.00
8.715	8.715 (0.628)	69	28075			0.00- 82.33	32.33
8.715	8.715 (0.628)	35	4816			0.00- 55.55	5.55
40 Freon123a					CAS #: 354-23-4		
9.572	9.572 (0.689)	67	100686	2.00000	2.000	50.00- 150.00	100.00
9.572	9.572 (0.689)	117	68467			18.00- 118.00	68.00
41 Freon123					CAS #: 306-83-2		
9.711	9.711 (0.699)	83	129832	2.00000	2.000	50.00- 150.00	100.00
9.711	9.711 (0.699)	133	25765			0.00- 69.84	19.84
9.711	9.711 (0.699)	85	90854			19.98- 119.98	69.98
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.176	11.176 (0.805)	59	80604	2.00000	2.000	50.00- 150.00	100.00
11.176	11.176 (0.805)	41	18467			0.00- 72.91	22.91
11.176	11.176 (0.805)	57	9630			0.00- 61.95	11.95
68 Isopropyl ether					CAS #: 108-20-3		
12.282	12.282 (0.884)	45	146477	2.00000	2.000	50.00- 150.00	100.00
12.282	12.282 (0.884)	87	41736			0.00- 78.49	28.49
12.310	12.310 (0.886)	59	18388			0.00- 62.55	12.55
71 1-Propanol					CAS #: 71-23-8		
12.254	12.254 (0.883)	42	17037	2.00000	2.000	50.00- 150.00	100.00(H)
12.310	12.310 (0.886)	59	18388			57.93- 157.93	107.93

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.282	12.282 (0.884)	41	26275			104.22- 204.22	154.22
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.918	12.918 (0.930)	59	89406	2.00000	2.000	50.00- 150.00	100.00
12.918	12.918 (0.930)	87	38716			0.00- 93.30	43.30
12.918	12.918 (0.930)	41	17358			0.00- 69.41	19.41
77 Ethyl Acetate					CAS #: 141-78-6		
13.416	13.416 (0.966)	45	12459	2.00000	2.000	50.00- 150.00	100.00
13.416	13.416 (0.966)	61	9603			27.08- 127.08	77.08
13.416	13.416 (0.966)	43	67849			494.58- 594.58	544.58
99 Isobutanol					CAS #: 78-83-1		
14.605	14.605 (0.935)	59	1254	2.00000	2.000	50.00- 150.00	100.00
14.605	14.605 (0.935)	41	12333			933.49-1033.49	983.49
14.632	14.632 (0.936)	43	20134			1555.58-1655.58	1605.58
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.019	15.019 (1.082)	73	80819	2.00000	2.000	50.00- 150.00	100.00
15.019	15.019 (1.082)	87	18892			0.00- 73.38	23.38
15.019	15.019 (1.082)	55	23503			0.00- 79.08	29.08
96 2-Heptanone					CAS #: 110-43-0		
21.987	21.987 (1.583)	58	13572	2.00000	2.000	50.00- 150.00	100.00
21.987	21.987 (1.583)	43	21802			110.64- 210.64	160.64
98 1-Butanol					CAS #: 71-36-3		
15.849	15.849 (1.014)	56	8532	2.00000	2.000	50.00- 150.00	100.00
15.821	15.821 (1.012)	41	9097			56.62- 156.62	106.62
15.821	15.821 (1.012)	43	5808			18.07- 118.07	68.07
119 Butyl Acetate					CAS #: 123-86-4		
19.554	19.554 (1.251)	56	20792	2.00000	2.000	50.00- 150.00	100.00
19.554	19.554 (1.251)	73	6874			0.00- 83.06	33.06
19.554	19.554 (1.251)	43	45108			166.95- 266.95	216.95
135 Cyclohexanone					CAS #: 108-94-1		
22.733	22.733 (1.093)	55	17920	2.00000	2.000	50.00- 150.00	100.00
22.761	22.761 (1.094)	98	5949			0.00- 83.20	33.20
22.761	22.761 (1.094)	42	10967			11.20- 111.20	61.20
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.563	23.563 (1.133)	57	23448	2.00000	2.000	50.00- 150.00	100.00
23.563	23.563 (1.133)	85	19445			32.93- 132.93	82.93
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

H - Operator selected an alternate compound hit.

Report Date: 19-Oct-2007 11:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101903.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/19Oct2007.b/t14q1016b.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 19-OCT-2007
Calibration Time: 10:25
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	447278	268367	626189	411223	-8.06
97 1,4-Difluorobenze	1654988	992993	2316983	1598337	-3.42
126 Chlorobenzene-d5	979981	587989	1371973	962039	-1.83

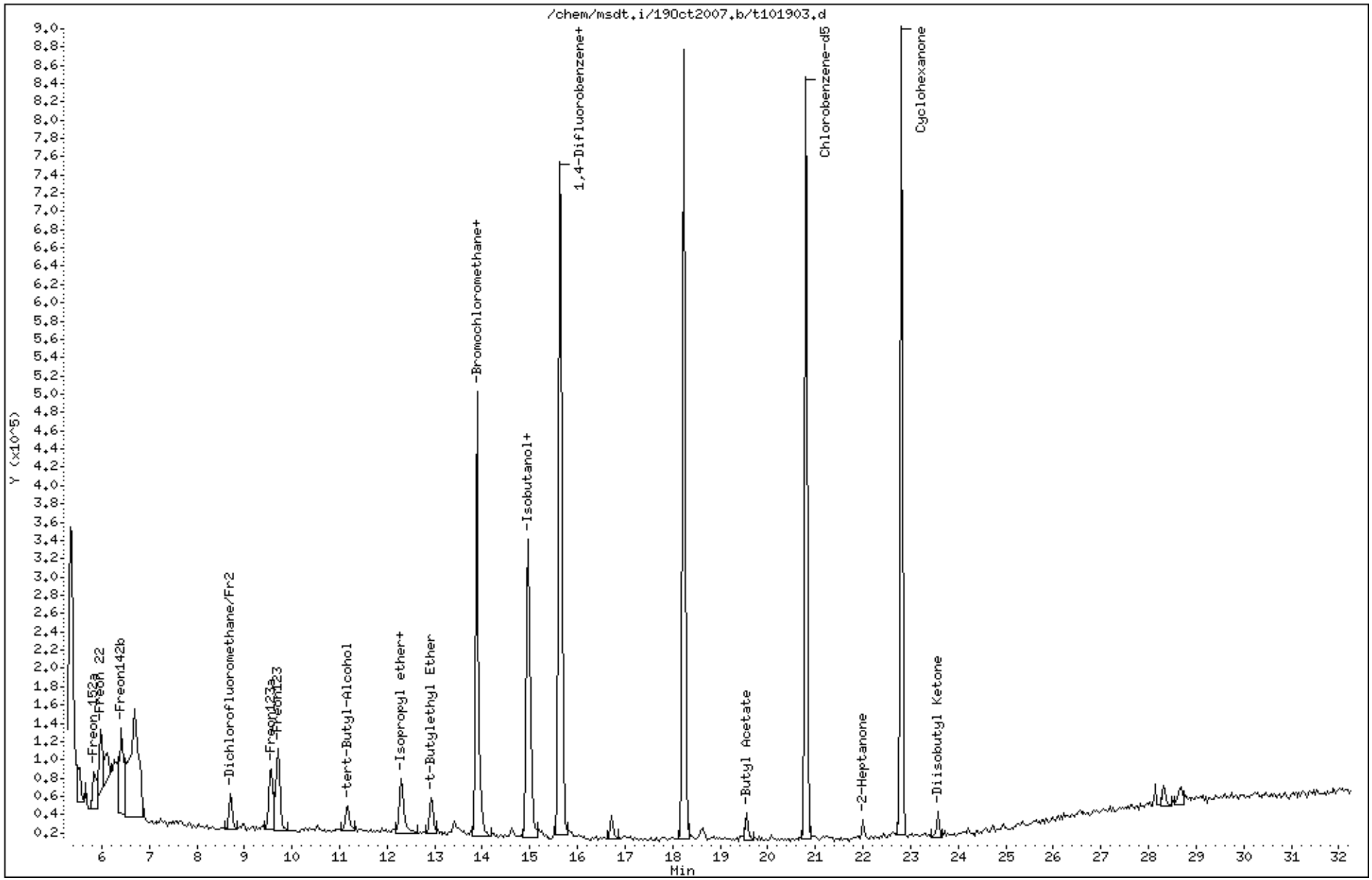
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/19Oct2007.b/t101903.d
Date : 19-OCT-2007 09:42
Client ID: Level 3
Sample Info: 2mL #1487-400

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

Column phase: RTx-624



0099

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101617.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 16-OCT-2007 16:15
Operator : cb Inst ID: msdt.i
Smp Info : 2mL #1443-361
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:53 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 16:15 Cal File: t101617.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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	432078	25.0000		50.00- 150.00		100.00
13.886	13.886 (1.000)	128	332738			28.02- 128.02		77.01
13.886	13.886 (1.000)	49	538936			82.36- 182.36		124.73
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	1556010	25.0000		50.00- 150.00		100.00
15.628	15.628 (1.000)	88	244364			0.00- 65.48		15.70
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	967130	25.0000		50.00- 150.00		100.00
20.798	20.798 (1.000)	82	577174			9.77- 109.77		59.68
21 Isobutane					CAS #: 75-28-5			
6.365	6.365 (0.458)	43	65153	2.00000	1.973	50.00- 150.00		100.00(a)
6.365	6.365 (0.458)	42	23800			0.00- 85.23		36.53
6.365	6.365 (0.458)	58	3113			0.00- 53.88		4.78
35 1-Pentene					CAS #: 109-67-1			
8.826	8.826 (0.636)	55	59594	2.00000	2.060	50.00- 150.00		100.00(M)

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	70975			71.97- 171.97	119.10
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
37 Pentane					CAS #: 109-66-0		
8.937	8.937 (0.644)	43	91719	2.00000	2.134	50.00- 150.00	100.00
8.937	8.937 (0.644)	57	17086			0.00- 67.71	18.63
8.964	8.964 (0.646)	72	10614			0.00- 61.55	11.57
39 Ethyl Ether					CAS #: 60-29-7		
9.462	9.462 (0.681)	74	27565	2.00000	1.696	50.00- 150.00	100.00(a)
9.462	9.462 (0.681)	59	36421			83.84- 183.84	132.13
0.000	1.000 (0.000)	31	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.904	9.904 (0.713)	55	7734	2.00000	1.563	50.00- 150.00	100.00(a)
9.932	9.932 (0.715)	56	10547			95.56- 195.56	136.37
48 Ethyl acrylate					CAS #: 140-88-5		
16.181	16.181 (1.035)	99	4490	2.00000	1.698	50.00- 150.00	100.00(aM)
16.181	16.181 (1.035)	45	4686			53.13- 153.13	104.37
16.181	16.181 (1.035)	55	44878			1044.27-1144.27	999.51
49 Iodomethane					CAS #: 74-88-4		
10.457	10.457 (0.753)	142	108392	2.00000	1.871	50.00- 150.00	100.00(a)
10.430	10.430 (0.751)	127	57392			0.00- 99.34	52.95
50 Methyl Methacrylate					CAS #: 80-62-6		
16.595	16.595 (1.062)	41	34848	2.00000	1.634	50.00- 150.00	100.00(a)
16.595	16.595 (1.062)	69	27371			32.43- 132.43	78.54
16.595	16.595 (1.062)	100	12646			0.00- 84.55	36.29
52 Acetonitrile					CAS #: 75-05-8		
10.955	10.955 (0.789)	40	18993	2.00000	1.965	50.00- 150.00	100.00(aM)
10.927	10.927 (0.787)	41	24944			91.19- 191.19	131.33
10.927	10.927 (0.787)	38	9504			0.00- 98.66	50.04
56 Cyclopentane					CAS #: 287-92-3		
11.121	11.121 (0.801)	70	32268	2.00000	1.935	50.00- 150.00	100.00(a)
11.121	11.121 (0.801)	55	37602			72.74- 172.74	116.53
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	8842	2.00000	1.073	50.00- 150.00	100.00(a)
11.674	11.674 (0.841)	52	6521			45.47- 145.47	73.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.849)	55	29984	2.00000	1.597	50.00- 150.00	100.00(a)
11.784	11.784 (0.849)	41	60214			122.36- 222.36	200.82
11.784	11.784 (0.849)	84	14531			0.00- 96.67	48.46
63 2-Pentanone					CAS #: 107-87-9		
16.402	16.402 (1.050)	43	53900	2.00000	1.629	50.00- 150.00	100.00(a)
16.402	16.402 (1.050)	58	5542			0.00- 59.54	10.28
16.402	16.402 (1.050)	86	11395			0.00- 70.55	21.14
79 Methyl Acrylate					CAS #: 96-33-3		
13.554	13.554 (0.976)	55	40512	2.00000	1.323	50.00- 150.00	100.00(a)
13.554	13.554 (0.976)	85	4972			0.00- 66.47	12.27
13.526	13.526 (0.974)	58	5290			0.00- 60.86	13.06
100 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
23.121	23.121 (1.112)	75	13194	2.00000	1.741	50.00- 150.00	100.00(a)
23.121	23.121 (1.112)	89	6612			3.16- 103.16	50.11
23.121	23.121 (1.112)	53	11831			33.48- 133.48	89.67
103 Alphamethylstyrene					CAS #: 98-83-9		
23.784	23.784 (1.144)	118	32727	2.00000	1.506	50.00- 150.00	100.00(a)
23.784	23.784 (1.144)	103	18940			8.01- 108.01	57.87
105 Dibromomethane					CAS #: 74-95-3		
16.817	16.817 (1.076)	174	38807	2.00000	1.859	50.00- 150.00	100.00(a)
16.817	16.817 (1.076)	93	47979			70.44- 170.44	123.63
16.817	16.817 (1.076)	95	37624			47.53- 147.53	96.95
124 Nonane					CAS #: 111-84-2		
20.964	20.964 (1.008)	43	62668	2.00000	1.876	50.00- 150.00	100.00(a)
20.964	20.964 (1.008)	57	58352			47.96- 147.96	93.11
20.964	20.964 (1.008)	85	25293			0.00- 91.17	40.36
151 bis(2-chloroethyl)ether					CAS #: 111-44-4		
24.393	24.393 (1.173)	93	33484	2.00000	1.783	50.00- 150.00	100.00(a)
24.393	24.393 (1.173)	95	10931			0.00- 82.29	32.65

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Report Date: 17-Oct-2007 13:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101617.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	432078	-15.07
97 1,4-Difluorobenze	1907821	1144693	2670949	1556010	-18.44
126 Chlorobenzene-d5	1112293	667376	1557210	967130	-13.05

		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.

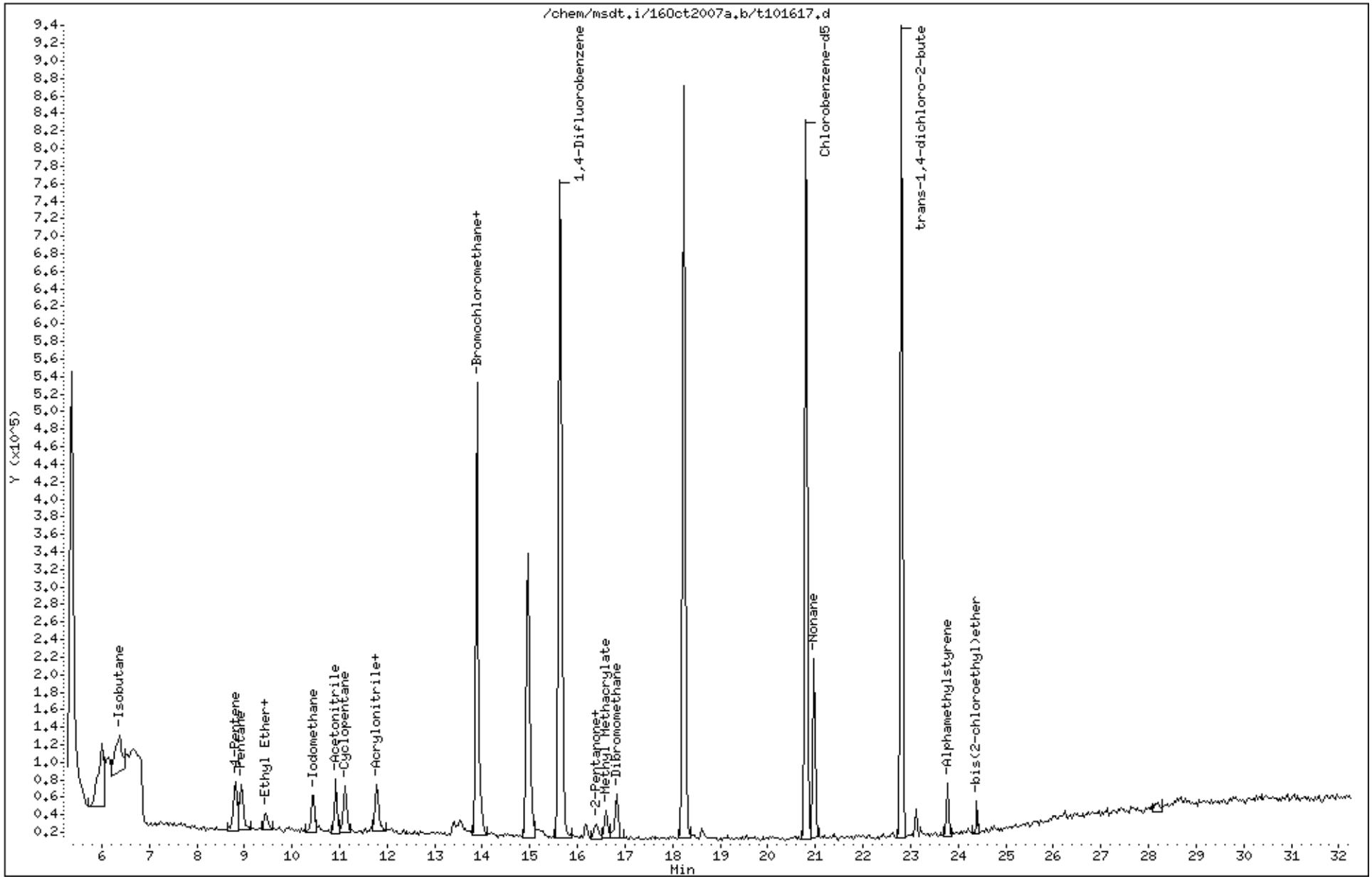
0104

Data File: /chem/msdt.i/16Oct2007a.b/t101617.d
Date : 16-OCT-2007 16:15
Client ID: Level 3
Sample Info: 2mL #1443-361

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101612.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 16-OCT-2007 12:26
Operator : cb Inst ID: msdt.i
Smp Info : 2mL #1443-356
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 16:15 Cal File: t101617.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1a.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		
13.886	13.886 (1.000)	130	452781	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	344401			27.84- 127.84	76.06
13.858	13.858 (1.000)	49	555137			107.35- 207.35	122.61
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1634343	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	264717			0.00- 65.66	16.20
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	993858	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	598942			9.71- 109.71	60.26
204 Propane					CAS #: 74-98-6		
5.812	5.812 (0.419)	43	9347	2.00000	1.909	50.00- 150.00	100.00
5.895	5.895 (0.425)	57	563			0.00- 51.66	6.02

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101612.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	452781	-11.00
97 1,4-Difluorobenze	1907821	1144693	2670949	1634343	-14.33
126 Chlorobenzene-d5	1112293	667376	1557210	993858	-10.65

		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.

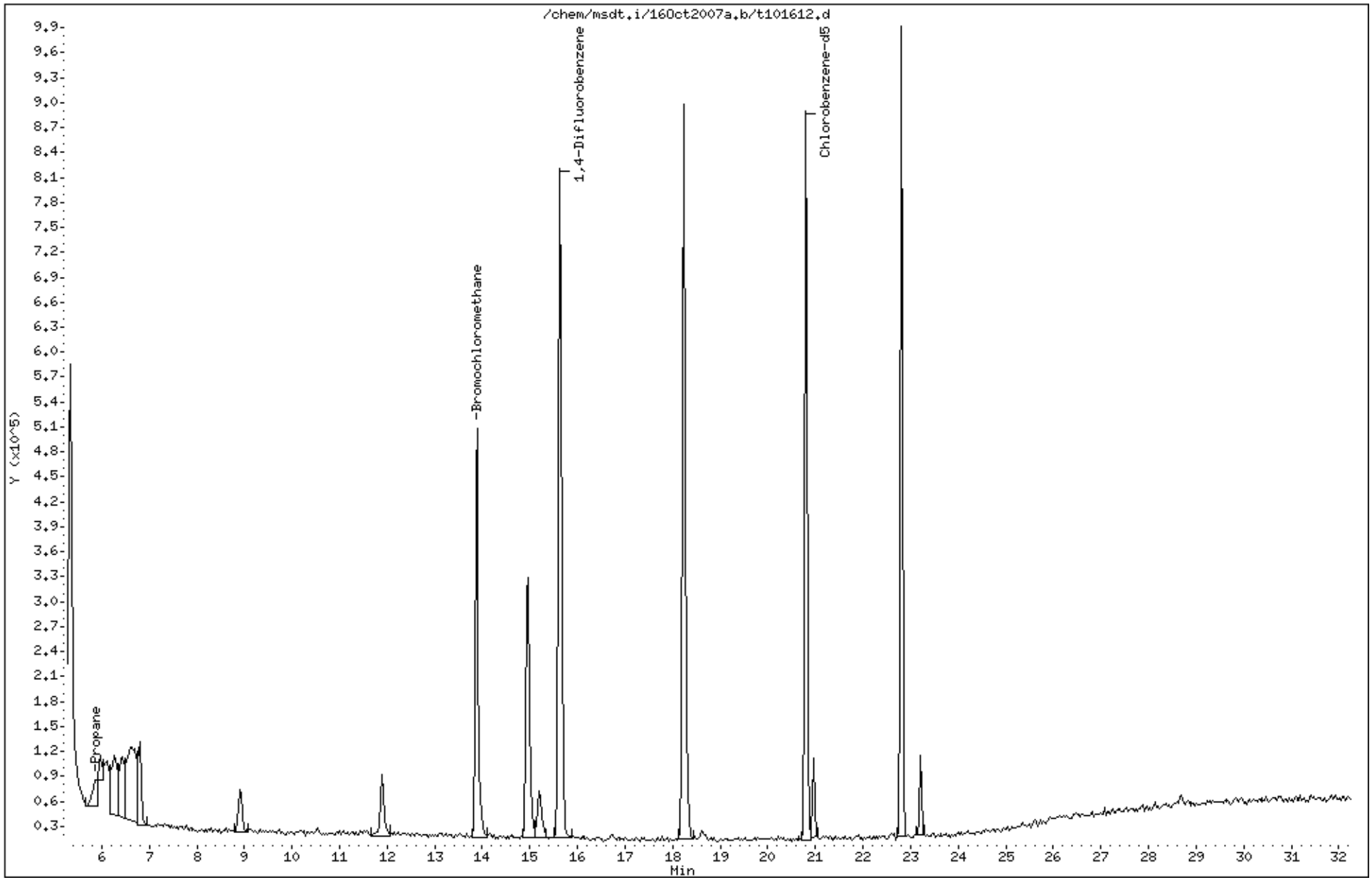
0107

Data File: /chem/msdt.i/16Oct2007a.b/t101612.d
Date : 16-OCT-2007 12:26
Client ID: Level 3
Sample Info: 2mL #1443-356

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101604.d
Lab Smp Id: ICAL Level 3
Inj Date : 16-OCT-2007 04:51
Operator : ab Inst ID: msdt.i
Smp Info : 2.0mL#1576-21
Misc Info : 200-2.0ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 16:15 Cal File: t101617.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

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	425574	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	335491			28.70- 128.70	78.83
13.886	13.886 (1.000)	49	526710			72.38- 172.38	123.76
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1606376	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	241484			0.00- 65.40	15.03
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	967309	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	578713			9.59- 109.59	59.83
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	672810	25.0000	24.148	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	321189			2.29- 102.29	47.74
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1268418	25.0000	25.061	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	154927			0.00- 61.65	12.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	864473			17.64- 117.64	68.15
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	464214	25.0000	25.604	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	658840			92.26- 192.26	141.93
22.789	22.789 (1.096)	176	443477			46.26- 146.26	95.53
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	22350	2.00000	1.975	50.00- 150.00	100.00(a)
5.812	5.812 (0.419)	42	20160			23.60- 123.60	90.20
5.812	5.812 (0.419)	39	20860			34.83- 134.83	93.33
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	126586	2.00000	1.871	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	40330			0.00- 82.50	31.86
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	82218	2.00000	1.879	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	26560			0.00- 83.43	32.30
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	31388	2.00000	1.938	50.00- 150.00	100.00(a)
6.559	6.559 (0.472)	52	11656			0.00- 84.21	37.14
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	36529	2.00000	1.801	50.00- 150.00	100.00
6.890	6.890 (0.496)	64	28181			3.43- 103.43	77.15
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	16823	2.00000	1.296	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	18970			57.42- 157.42	112.76
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.570)	94	34959	2.00000	2.124	50.00- 150.00	100.00
7.913	7.913 (0.570)	96	32618			43.08- 143.08	93.30
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	23051	2.00000	2.021	50.00- 150.00	100.00
8.217	8.217 (0.592)	49	7908			0.00- 79.16	34.31
8.190	8.190 (0.590)	66	7183			0.00- 85.06	31.16
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	151704	2.00000	1.886	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	96371			13.17- 113.17	63.53

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.667)	45	6926	2.00000	1.406	50.00- 150.00	100.00(a)
9.075	9.075 (0.654)	43	1509			0.00- 73.59	21.79
9.241	9.241 (0.665)	46	2747			0.00- 89.74	39.66
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	88154	2.00000	2.204	50.00- 150.00	100.00
9.959	9.959 (0.717)	153	53675			14.35- 114.35	60.89
9.959	9.959 (0.717)	101	113067			83.22- 183.22	128.26
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	87029	2.00000	2.063	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	52246			13.15- 113.15	60.03
10.042	10.042 (0.723)	98	31199			0.00- 90.51	35.85
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	14612	2.00000	1.220	50.00- 150.00	100.00(a)
10.208	10.208 (0.735)	43	78373			309.64- 409.64	536.36
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	55637	2.00000	1.419	50.00- 150.00	100.00(a)
10.208	10.208 (0.735)	43	80988			11.77- 111.77	145.57
10.402	10.402 (0.749)	59	2893			0.00- 54.32	5.20
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	131190	2.00000	1.958	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	30061	2.00000	2.034	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	60658			166.40- 266.40	201.78
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	56699	2.00000	2.083	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	48300			38.48- 138.48	85.19
11.093	11.093 (0.799)	51	20201			0.00- 84.73	35.63
60 MTBE					CAS #: 1634-04-4		
11.452	11.452 (0.825)	73	78998	2.00000	1.946	50.00- 150.00	100.00
11.452	11.452 (0.825)	57	15397			0.00- 70.96	19.49
11.452	11.452 (0.825)	41	23957			0.00- 76.71	30.33
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	58167	2.00000	1.826	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	78331			82.45- 182.45	134.67
11.563	11.563 (0.833)	98	33413			12.05- 112.05	57.44

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	78065	2.00000	1.745	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	44733			8.55- 108.55	57.30
11.923	11.923 (0.859)	86	14926			0.00- 68.53	19.12
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	6659	2.00000	1.367	50.00- 150.00	100.00(a)
12.365	12.365 (0.890)	43	60646			909.16-1009.16	910.74
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	119177	2.00000	2.052	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	37480			0.00- 82.43	31.45
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	15659	2.00000	1.615	50.00- 150.00	100.00
13.416	13.416 (0.966)	43	58790			333.66- 433.66	375.44
13.443	13.443 (0.968)	57	5411			0.00- 81.46	34.56
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	64991	2.00000	1.775	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	52376			31.18- 131.18	80.59
13.416	13.416 (0.966)	98	35199			1.27- 101.27	54.16
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	32977	2.00000	1.694	50.00- 150.00	100.00
13.886	13.886 (1.000)	71	14252			0.00- 98.53	43.22
13.886	13.886 (1.000)	72	16440			0.00- 99.62	49.85
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	130138	2.00000	1.977	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	80206			12.59- 112.59	61.63
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	137645	2.00000	2.080	50.00- 150.00	100.00
14.273	14.273 (1.028)	99	88572			14.72- 114.72	64.35
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	59984	2.00000	1.841	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	60556			48.94- 148.94	100.95
14.300	14.300 (1.030)	41	34663			10.21- 110.21	57.79
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	91632	2.00000	1.922	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	97731			54.66- 154.66	106.66
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	146642	2.00000	1.789	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	33762			0.00- 74.27	23.02
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	197452	2.00000	1.812	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	67858			0.00- 83.59	34.37
14.881	14.881 (1.072)	41	58088			0.00- 78.79	29.42
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	63007	2.00000	1.812	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	22801			0.00- 85.54	36.19
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	38064	2.00000	1.665	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	56676			98.61- 198.61	148.90
15.185	15.185 (0.972)	57	32196			35.66- 135.66	84.58
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	54601	2.00000	1.789	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	52444			42.85- 142.85	96.05
16.098	16.098 (1.030)	97	37564			12.59- 112.59	68.80
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	39076	2.00000	1.720	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	29570			20.29- 120.29	75.67
16.568	16.568 (1.060)	41	28128			16.08- 116.08	71.98
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	28699	2.00000	2.372	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	18599			11.97- 111.97	64.81
16.706	16.706 (1.069)	57	7231			0.00- 72.52	25.20
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	95233	2.00000	1.864	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	58906			13.24- 113.24	61.85
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	49406	2.00000	1.728	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	17552			0.00- 85.30	35.53
17.784	17.784 (1.138)	39	22883			1.15- 101.15	46.32
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	21275	2.00000	1.578	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	54277			185.61- 285.61	255.12
17.978	17.978 (1.150)	85	12067			0.00- 97.09	56.72

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	130448	2.00000	1.901	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	79495			11.38- 111.38	60.94
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	44235	2.00000	1.721	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	13993			0.00- 82.97	31.63
18.780	18.780 (0.903)	39	23162			6.40- 106.40	52.36
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	47309	2.00000	1.886	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	29609			10.02- 110.02	62.59
19.111	19.111 (0.919)	83	41421			36.34- 136.34	87.55
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	67078	2.00000	2.013	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	48474			26.94- 126.94	72.27
19.277	19.277 (0.927)	131	46614			23.34- 123.34	69.49
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	20421	2.00000	1.428	50.00- 150.00	100.00(a)
19.443	19.443 (0.935)	43	33019			121.01- 221.01	161.69
19.443	19.443 (0.935)	100	4999			0.00- 70.88	24.48
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	76662	2.00000	1.884	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	59680			26.95- 126.95	77.85
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	60639	2.00000	1.721	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	62453			46.01- 146.01	102.99
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	100902	2.00000	1.961	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	35273			0.00- 83.92	34.96
20.853	20.853 (1.003)	77	66907			23.65- 123.65	66.31
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	44837	2.00000	1.767	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	145386			269.09- 369.09	324.25
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	50279	2.00000	1.699	50.00- 150.00	100.00
21.130	21.130 (1.016)	91	100583			151.96- 251.96	200.05
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	47557	2.00000	1.786	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	101318			165.70- 265.70	213.05
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	60511	2.00000	1.813	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	33316			13.72- 113.72	55.06
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	59513	2.00000	1.807	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	31005			3.53- 103.53	52.10
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	142390	2.00000	1.922	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	34318			0.00- 75.31	24.10
22.429	22.429 (1.078)	51	12953			0.00- 60.20	9.10
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	88724	2.00000	1.930	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	53799			11.18- 111.18	60.64
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	150217	2.00000	1.862	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	34074			0.00- 71.70	22.68
23.121	23.121 (1.112)	105	5534			0.00- 53.96	3.68
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	111060	2.00000	1.758	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	32431			0.00- 78.57	29.20
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	101646	2.00000	1.748	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	48033			0.00- 95.79	47.26
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	73211	2.00000	1.598	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	35781			0.00- 96.64	48.87
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	51082	2.00000	1.837	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	33196			13.33- 113.33	64.99
24.586	24.586 (1.182)	111	21348			0.00- 92.09	41.79
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	49214	2.00000	1.851	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	29122			14.12- 114.12	59.17
24.752	24.752 (1.190)	111	20501			0.00- 90.47	41.66

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	42923	2.00000	1.545	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	8031			0.00- 70.20	18.71
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	47172	2.00000	1.987	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	25482			14.00- 114.00	54.02
25.360	25.360 (1.219)	111	19161			0.00- 91.07	40.62
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	37063	2.00000	2.101	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	38669			47.29- 147.29	104.33
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.346	28.346 (1.363)	225	31024	2.00000	2.130	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	20938			13.03- 113.03	67.49
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	6959	2.00000	1.805	50.00- 150.00	100.00(a)
6.835	6.835 (0.492)	43	55836			695.45- 795.45	802.36
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	47395	2.00000	1.991	50.00- 150.00	100.00(a)
8.273	8.273 (0.596)	57	31263			23.83- 123.83	65.96
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.177)	83	77216	2.00000	1.867	50.00- 150.00	100.00
16.346	16.346 (1.177)	98	33569			0.00- 96.80	43.47
16.346	16.346 (1.177)	55	53884			23.37- 123.37	69.78
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	42833	2.00000	1.925	50.00- 150.00	100.00(a)
28.678	28.678 (1.379)	127	7521			0.00- 64.10	17.56

QC Flag Legend

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

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101604.d
Lab Smp Id: ICAL Level 3
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200-2.0ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 16:15
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	425574	255344	595804	425574	0.00
97 1,4-Difluorobenze	1606376	963826	2248926	1606376	0.00
126 Chlorobenzene-d5	967309	580385	1354233	967309	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

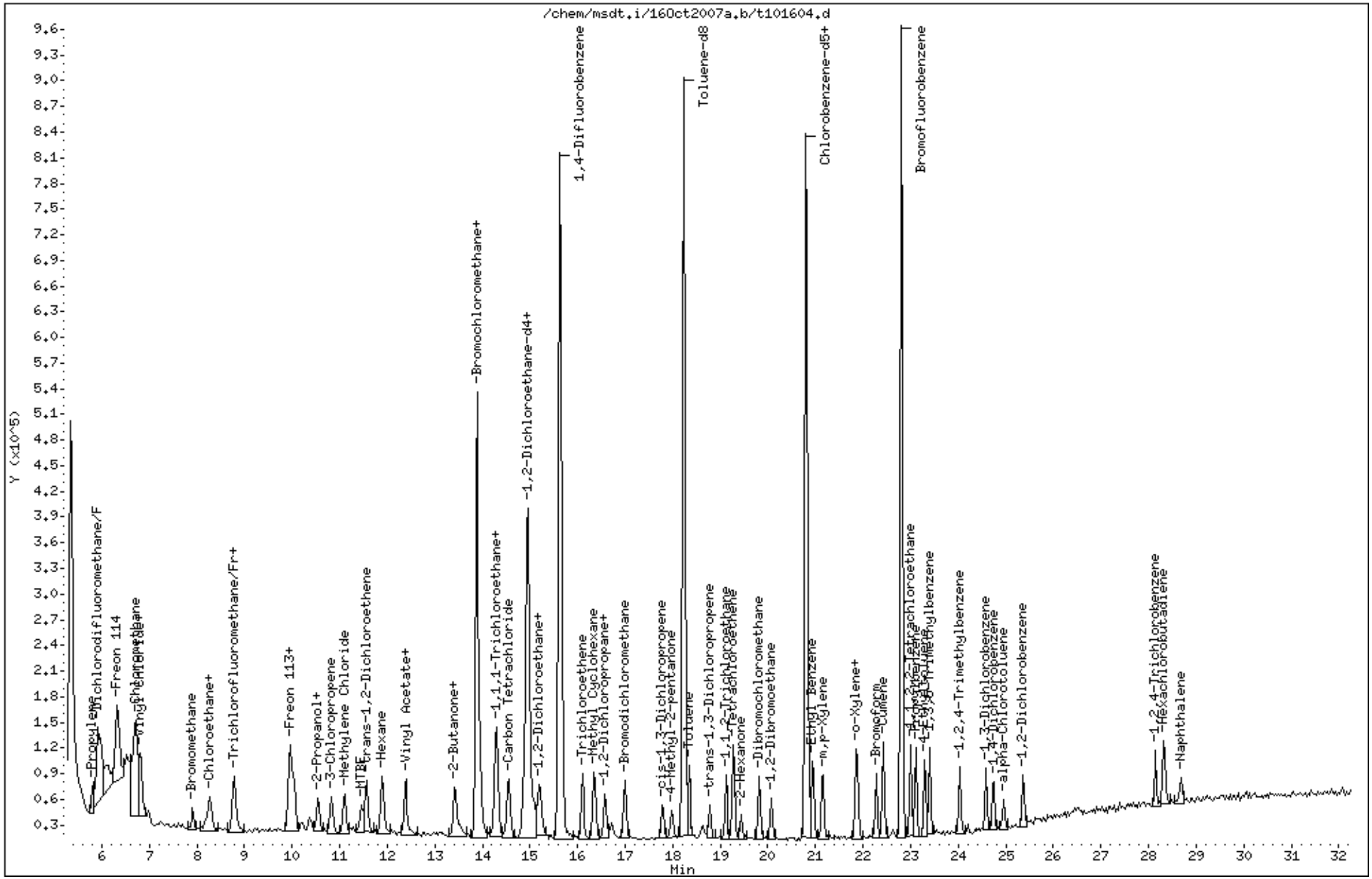
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0117

Data File: /chem/msdt.i/16Oct2007a.b/t101604.d
Date : 16-OCT-2007 04:51
Client ID:
Sample Info: 2.0mL#1576-21

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

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101613.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 16-OCT-2007 13:10
Operator : cb Inst ID: msdt.i
Smp Info : 25mL #1443-356
Misc Info : 200ppbv --> 25ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 13:10 Cal File: t101613.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1a.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		
13.886	13.886 (1.000)	130	479245	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	372642			27.81- 127.81	77.76
13.886	13.886 (1.000)	49	564444			101.31- 201.31	117.78
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1683098	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	265952			0.00- 65.67	15.80
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1006998	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	598761			9.72- 109.72	59.46
204 Propane					CAS #: 74-98-6		
5.812	5.812 (0.419)	43	131809	25.0000	25.430	50.00- 150.00	100.00
5.674	5.674 (0.409)	57	593			0.00- 51.66	0.45

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101613.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 25ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	479245	-5.79
97 1,4-Difluorobenze	1907821	1144693	2670949	1683098	-11.78
126 Chlorobenzene-d5	1112293	667376	1557210	1006998	-9.47

		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.

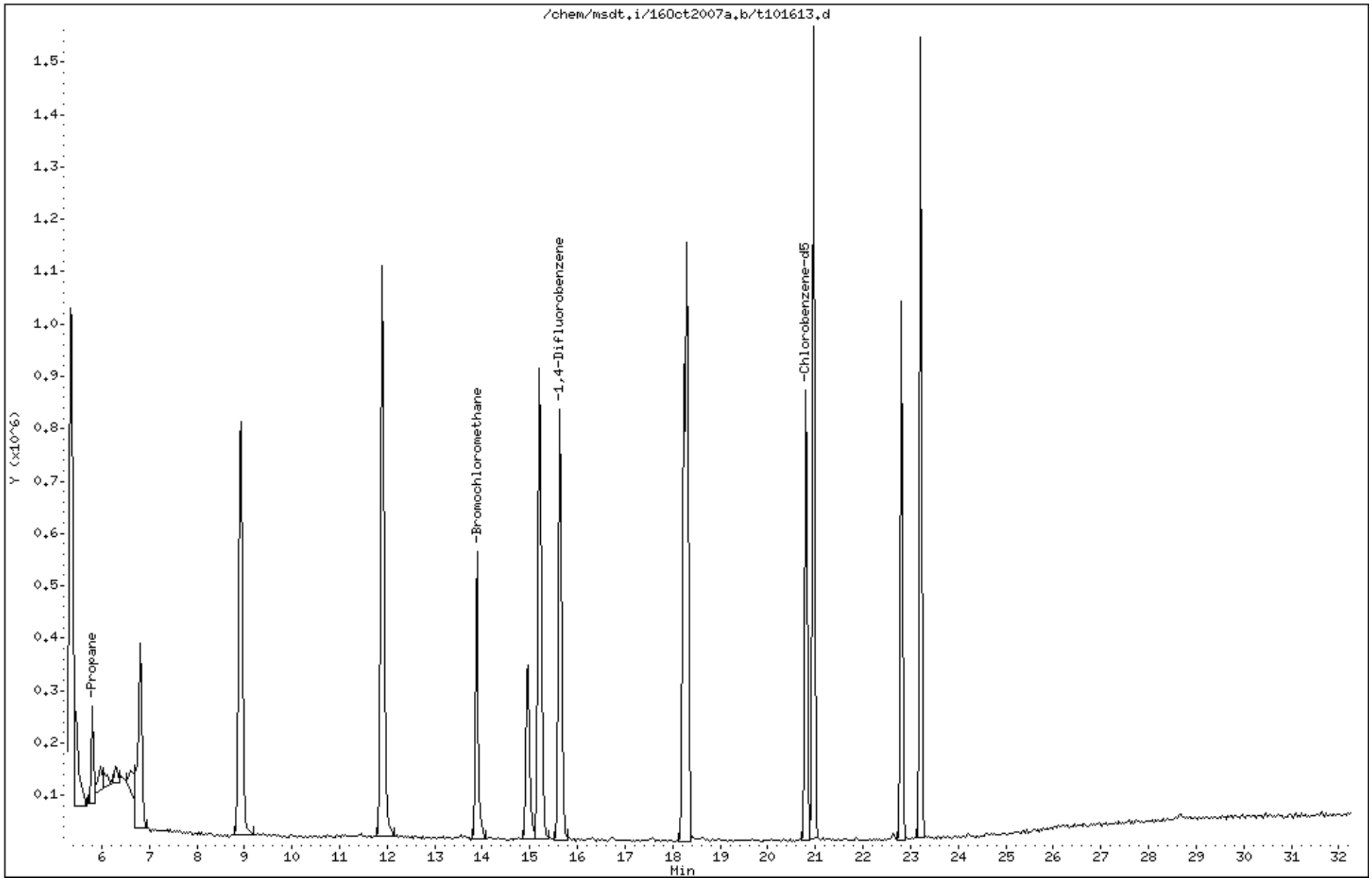
0120

Data File: /chem/msdt.i/16Oct2007a.b/t101613.d
Date : 16-OCT-2007 13:10
Client ID: Level 4
Sample Info: 25mL #1443-356

Column phase: RTx-624

Instrument: msdt.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101605.d
Lab Smp Id: ICAL Level 4
Inj Date : 16-OCT-2007 05:34
Operator : ab Inst ID: msdt.i
Smp Info : 25mL#1576-21
Misc Info : 200-25ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 13:10 Cal File: t101613.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	547694	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	426994			28.73- 128.73	77.96
13.858	13.858 (1.000)	49	843560			78.42- 178.42	154.02
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1924332	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	302697			0.00- 65.39	15.73
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1067143	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	633855			9.58- 109.58	59.40
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.937 (1.076)	65	875254	25.0000	24.410	50.00- 150.00	100.00
14.937	14.937 (1.076)	67	434621			2.29- 102.29	49.66
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1451870	25.0000	23.946	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	175213			0.00- 61.65	12.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	985316			17.64- 117.64	67.87
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	512586	25.0000	25.627	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	730067			92.26- 192.26	142.43
22.789	22.789 (1.096)	176	499903			46.26- 146.26	97.53
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	348370	25.0000	23.925	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	236202			23.60- 123.60	67.80
5.812	5.812 (0.419)	39	292668			34.83- 134.83	84.01
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	2255934	25.0000	25.910	50.00- 150.00	100.00
5.923	5.923 (0.427)	87	740742			0.00- 82.50	32.84
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	1397539	25.0000	24.814	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	429968			0.00- 83.43	30.77
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	492505	25.0000	23.628	50.00- 150.00	100.00
6.531	6.531 (0.470)	52	166830			0.00- 84.21	33.87
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.891 (0.496)	62	672516	25.0000	25.768	50.00- 150.00	100.00
6.891	6.891 (0.496)	64	235984			3.43- 103.43	35.09
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	462027	25.0000	27.659	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	453668			57.42- 157.42	98.19
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.570)	94	529350	25.0000	24.992	50.00- 150.00	100.00
7.914	7.914 (0.570)	96	505749			43.08- 143.08	95.54
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	391467	25.0000	26.664	50.00- 150.00	100.00
8.190	8.190 (0.590)	49	106716			0.00- 79.16	27.26
8.190	8.190 (0.590)	66	123925			0.00- 85.06	31.66
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	2751437	25.0000	26.586	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	1740851			13.17- 113.17	63.27

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	131274	25.0000	20.715	50.00- 150.00	100.00
9.241	9.241 (0.665)	43	37334			0.00- 73.59	28.44
9.268	9.268 (0.667)	46	58401			0.00- 89.74	44.49
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	1416868	25.0000	27.528	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	901687			14.35- 114.35	63.64
9.960	9.960 (0.717)	101	1860462			83.22- 183.22	131.31
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	1602152	25.0000	29.513	50.00- 150.00	100.00
10.043	10.043 (0.723)	96	994464			13.15- 113.15	62.07
10.043	10.043 (0.723)	98	640624			0.00- 90.51	39.99
45 Acetone					CAS #: 67-64-1		
10.181	10.181 (0.733)	58	361179	25.0000	23.438	50.00- 150.00	100.00
10.181	10.181 (0.733)	43	1049221			309.64- 409.64	290.50
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	1126675	25.0000	22.326	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	446110			11.77- 111.77	39.60
10.374	10.374 (0.747)	59	44874			0.00- 54.32	3.98
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	2119178	25.0000	24.577	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	515280	25.0000	27.098	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	1141068			166.40- 266.40	221.45
54 Methylene Chloride					CAS #: 75-09-2		
11.093	11.093 (0.799)	49	983528	25.0000	28.078	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	860795			38.48- 138.48	87.52
11.121	11.121 (0.801)	51	296876			0.00- 84.73	30.18
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	940183	25.0000	17.996	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	188555			0.00- 70.96	20.06
11.453	11.453 (0.825)	41	197496			0.00- 76.71	21.01
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1130184	25.0000	27.575	50.00- 150.00	100.00
11.536	11.536 (0.831)	61	1534845			82.45- 182.45	135.80
11.563	11.563 (0.833)	98	723751			12.05- 112.05	64.04

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	1429459	25.0000	24.830	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	848467			8.55- 108.55	59.36
11.895	11.895 (0.857)	86	241369			0.00- 68.53	16.89
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	134446	25.0000	21.453	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	1304386			909.16-1009.16	970.19
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	2046692	25.0000	27.377	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	665054			0.00- 82.43	32.49
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	280442	25.0000	22.469	50.00- 150.00	100.00
13.416	13.416 (0.966)	43	992949			333.66- 433.66	354.07
13.416	13.416 (0.966)	57	85050			0.00- 81.46	30.33
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	1221291	25.0000	25.923	50.00- 150.00	100.00
13.416	13.416 (0.966)	96	988437			31.18- 131.18	80.93
13.416	13.416 (0.966)	98	632744			1.27- 101.27	51.81
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	559764	25.0000	22.350	50.00- 150.00	100.00
13.886	13.886 (1.000)	71	264035			0.00- 98.53	47.17
13.886	13.886 (1.000)	72	284442			0.00- 99.62	50.81
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	2336636	25.0000	27.589	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	1445132			12.59- 112.59	61.85
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.273	14.273 (1.028)	97	2265717	25.0000	26.610	50.00- 150.00	100.00
14.301	14.301 (1.030)	99	1441734			14.72- 114.72	63.63
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	1070967	25.0000	25.542	50.00- 150.00	100.00
14.301	14.301 (1.030)	56	1110234			48.94- 148.94	103.67
14.301	14.301 (1.030)	41	619342			10.21- 110.21	57.83
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	1596853	25.0000	26.031	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	1673677			54.66- 154.66	104.81
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	2335378	25.0000	23.787	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	507461			0.00- 74.27	21.73
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.881	14.881 (1.072)	57	3434377	25.0000	24.486	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	1120478			0.00- 83.59	32.63
14.881	14.881 (1.072)	41	943105			0.00- 78.79	27.46
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.075	15.075 (0.965)	62	1156520	25.0000	27.770	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	376168			0.00- 85.54	32.53
	94 Heptane				CAS #: 142-82-5		
15.185	15.185 (0.972)	71	734912	25.0000	26.835	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	1105476			98.61- 198.61	150.42
15.185	15.185 (0.972)	57	657806			35.66- 135.66	89.51
	101 Trichloroethene				CAS #: 79-01-6		
16.098	16.098 (1.030)	95	978801	25.0000	26.774	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	918830			42.85- 142.85	93.87
16.098	16.098 (1.030)	97	647849			12.59- 112.59	66.19
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.568	16.568 (1.060)	63	722782	25.0000	26.565	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	515737			20.29- 120.29	71.35
16.568	16.568 (1.060)	41	444144			16.08- 116.08	61.45
	106 1,4-Dioxane				CAS #: 123-91-1		
16.706	16.706 (1.069)	88	326782	25.0000	22.551	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	192321			11.97- 111.97	58.85
16.706	16.706 (1.069)	57	70924			0.00- 72.52	21.70
	107 Bromodichloromethane				CAS #: 75-27-4		
17.010	17.010 (1.088)	83	1712545	25.0000	27.975	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	1055517			13.24- 113.24	61.63
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	898167	25.0000	26.216	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	282900			0.00- 85.30	31.50
17.784	17.784 (1.138)	39	441274			1.15- 101.15	49.13
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.978	17.978 (1.150)	58	395454	25.0000	24.477	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	973396			185.61- 285.61	246.15
17.978	17.978 (1.150)	85	190942			0.00- 97.09	48.28

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	2050119	25.0000	24.935	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	1290917			11.38- 111.38	62.97
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	777389	25.0000	27.414	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	243342			0.00- 82.97	31.30
18.780	18.780 (0.903)	39	349672			6.40- 106.40	44.98
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	784447	25.0000	28.350	50.00- 150.00	100.00
19.112	19.112 (0.919)	99	487476			10.02- 110.02	62.14
19.112	19.112 (0.919)	83	657224			36.34- 136.34	83.78
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1022494	25.0000	27.819	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	812656			26.94- 126.94	79.48
19.277	19.277 (0.927)	131	760449			23.34- 123.34	74.37
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	411194	25.0000	26.068	50.00- 150.00	100.00
19.443	19.443 (0.935)	43	709979			121.01- 221.01	172.66
19.443	19.443 (0.935)	100	77568			0.00- 70.88	18.86
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	1294714	25.0000	28.849	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	1001301			26.95- 126.95	77.34
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	1083336	25.0000	27.878	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	1028435			46.01- 146.01	94.93
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	1450621	25.0000	25.559	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	471982			0.00- 83.92	32.54
20.853	20.853 (1.003)	77	872796			23.65- 123.65	60.17
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	749962	25.0000	26.795	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	2379784			269.09- 369.09	317.32
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	875878	25.0000	26.829	50.00- 150.00	100.00
21.158	21.158 (1.017)	91	1788567			151.96- 251.96	204.20
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	789931	25.0000	26.888	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	1710503			165.70- 265.70	216.54
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	1055586	25.0000	28.675	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	588492			13.72- 113.72	55.75
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	997587	25.0000	27.456	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	514367			3.53- 103.53	51.56
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	2280910	25.0000	27.906	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	577944			0.00- 75.31	25.34
22.429	22.429 (1.078)	51	202010			0.00- 60.20	8.86
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	1352153	25.0000	26.656	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	836658			11.18- 111.18	61.88
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	2567510	25.0000	28.857	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	556689			0.00- 71.70	21.68
23.121	23.121 (1.112)	105	88092			0.00- 53.96	3.43
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	2110068	25.0000	30.279	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	617095			0.00- 78.57	29.25
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	2003590	25.0000	31.240	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	951559			0.00- 95.79	47.49
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	1527060	25.0000	30.224	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	670245			0.00- 96.64	43.89
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	827937	25.0000	26.992	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	532487			13.33- 113.33	64.31
24.586	24.586 (1.182)	111	356240			0.00- 92.09	43.03
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	768852	25.0000	26.217	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	495914			14.12- 114.12	64.50
24.752	24.752 (1.190)	111	320062			0.00- 90.47	41.63

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	803714	25.0000	26.227	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	151519			0.00- 70.20	18.85
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	673723	25.0000	25.725	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	442695			14.00- 114.00	65.71
25.360	25.360 (1.219)	111	295253			0.00- 91.07	43.82
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	359888	25.0000	18.491	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	340085			47.29- 147.29	94.50
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	298769	25.0000	18.595	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	181638			13.03- 113.03	60.80
19 Butane					CAS #: 106-97-8		
6.808	6.808 (0.490)	58	120784	25.0000	24.340	50.00- 150.00	100.00
6.808	6.808 (0.490)	43	911028			695.45- 795.45	754.26
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	787018	25.0000	25.691	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	596352			23.83- 123.83	75.77
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	1389837	25.0000	26.118	50.00- 150.00	100.00
16.347	16.347 (1.177)	98	629459			0.00- 96.80	45.29
16.347	16.347 (1.177)	55	995494			23.37- 123.37	71.63
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	430993	25.0000	17.557	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	58221			0.00- 64.10	13.51

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101605.d
Lab Smp Id: ICAL Level 4
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200-25ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 13:10
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	547694	328616	766772	547694	0.00
97 1,4-Difluorobenze	1924332	1154599	2694065	1924332	0.00
126 Chlorobenzene-d5	1067143	640286	1494000	1067143	0.00

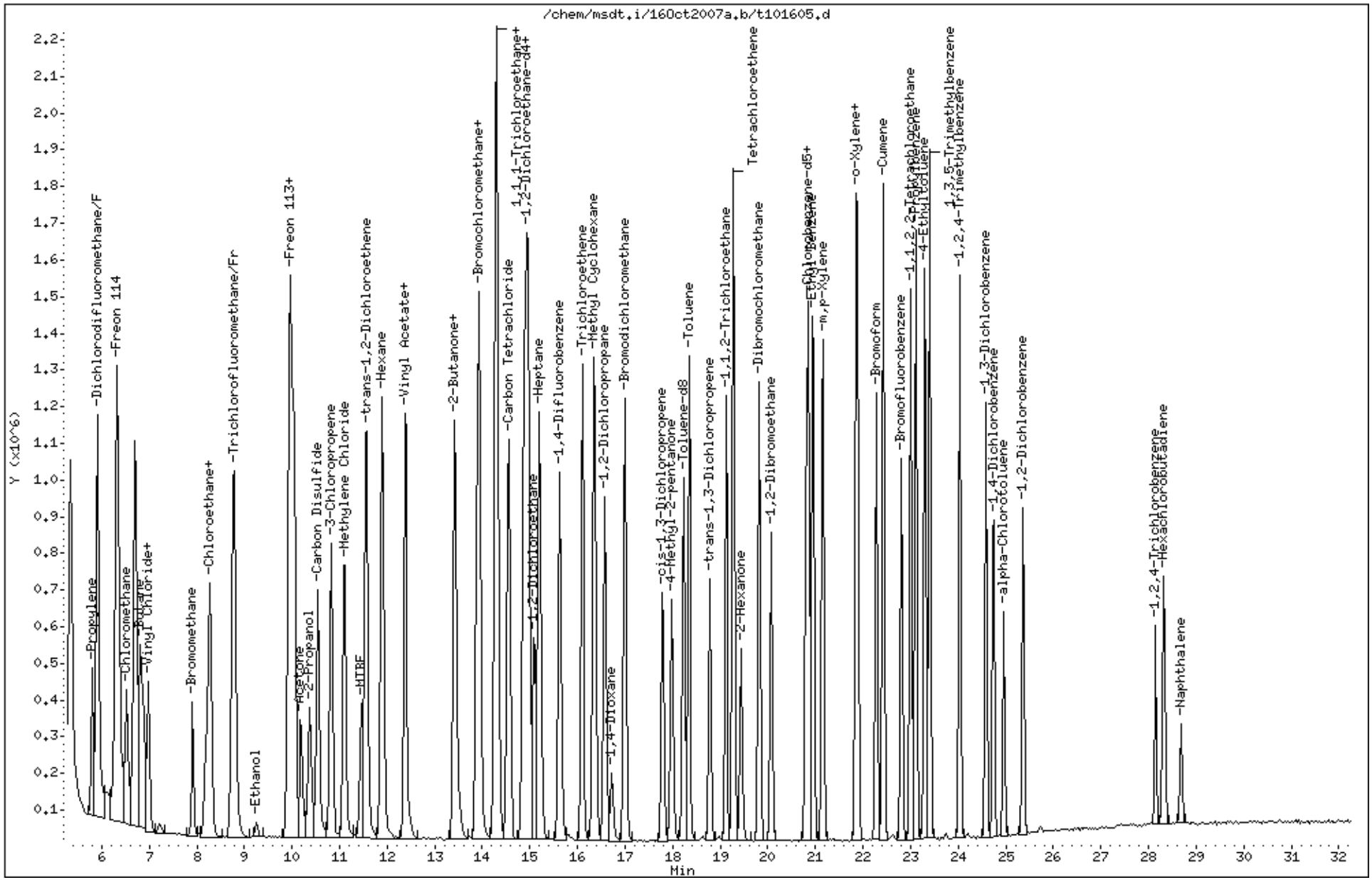
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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.

0130

Data File: /chem/msdt.i/16Oct2007a.b/t101605.d
Date : 16-OCT-2007 05:34
Client ID:
Sample Info: 25mL#1576-21

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



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Oct2007.b/t101904.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 19-OCT-2007 10:25
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1487-400
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Meth Date : 19-Oct-2007 11:58 cbond Quant Type: ISTD
Cal Date : 19-OCT-2007 10:25 Cal File: t101904.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		
13.886	13.886 (1.000)	130	447278	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	346221			27.41- 127.41	77.41
13.886	13.886 (1.000)	49	547834			72.48- 172.48	122.48
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.627	15.627 (1.000)	114	1654988	25.0000		80.00- 120.00	100.00
15.627	15.627 (1.000)	88	262269			0.00- 65.85	15.85
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	979981	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	589502			9.61- 109.61	60.15
5 Freon 143a					CAS #: 420-46-2		
5.535	5.535 (0.399)	69	1321189	50.0000	48.615	80.00- 120.00	100.00
6 Freon142b					CAS #: 75-68-3		
6.420	6.420 (0.462)	65	3309079	50.0000	52.877	80.00- 120.00	100.00
6.420	6.420 (0.462)	45	735083			0.00- 76.10	22.21

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.397	5.397 (0.389)	69	2038619	50.0000	50.772	80.00- 120.00	100.00
5.397	5.397 (0.389)	85	651625			0.00- 84.74	31.96
5.397	5.397 (0.389)	87	213472			0.00- 61.41	10.47
13 Freon 134a					CAS #: 811-97-2		
5.674	5.674 (0.409)	83	1182774	50.0000	50.776	80.00- 120.00	100.00
5.674	5.674 (0.409)	69	916643			27.42- 127.42	77.50
15 Freon 152a					CAS #: 75-37-6		
5.840	5.840 (0.421)	65	560703	50.0000	50.476	80.00- 120.00	100.00
5.840	5.840 (0.421)	51	1008055			128.32- 228.32	179.78
5.840	5.840 (0.421)	47	251373			0.00- 96.08	44.83
17 Freon 22					CAS #: 75-45-6		
6.005	6.005 (0.432)	67	304137	50.0000	50.253	80.00- 120.00	100.00
6.005	6.005 (0.432)	51	1612055			478.18- 578.18	530.04
6.005	6.005 (0.432)	85	29261			0.00- 65.99	9.62
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.743	8.743 (0.630)	67	2522122	50.0000	51.644	80.00- 120.00	100.00
8.743	8.743 (0.630)	69	810088			0.00- 82.22	32.12
8.743	8.743 (0.630)	35	152153			0.00- 55.79	6.03
40 Freon123a					CAS #: 354-23-4		
9.572	9.572 (0.689)	67	2597921	50.0000	48.689	80.00- 120.00	100.00
9.572	9.572 (0.689)	117	1895739			20.49- 120.49	72.97
41 Freon123					CAS #: 306-83-2		
9.738	9.738 (0.701)	83	3449953	50.0000	49.424	80.00- 120.00	100.00
9.738	9.738 (0.701)	133	703069			0.00- 70.11	20.38
9.738	9.738 (0.701)	85	2192202			16.76- 116.76	63.54
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.176	11.176 (0.805)	59	1584957	50.0000	41.966	80.00- 120.00	100.00
11.176	11.176 (0.805)	41	342991			0.00- 72.91	21.64
11.176	11.176 (0.805)	57	158029			0.00- 61.95	9.97
68 Isopropyl ether					CAS #: 108-20-3		
12.282	12.282 (0.884)	45	4339911	50.0000	52.144	80.00- 120.00	100.00
12.310	12.310 (0.886)	87	1271802			0.00- 78.90	29.30
12.282	12.282 (0.884)	59	531102			0.00- 62.40	12.24
71 1-Propanol					CAS #: 71-23-8		
12.420	12.420 (0.894)	42	111063	50.0000	19.338	80.00- 120.00	100.00
12.420	12.420 (0.894)	59	158101			75.14- 175.14	142.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.282	12.282 (0.884)	41	835373			403.19- 503.19	752.16
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.918	12.918 (0.930)	59	1390100	50.0000	36.378	80.00- 120.00	100.00
12.945	12.945 (0.932)	87	565163			0.00- 91.98	40.66
12.918	12.918 (0.930)	41	239198			0.00- 68.31	17.21
77 Ethyl Acetate					CAS #: 141-78-6		
13.416	13.416 (0.966)	45	294494	50.0000	46.503	80.00- 120.00	100.00
13.416	13.416 (0.966)	61	311214			41.38- 141.38	105.68
13.416	13.416 (0.966)	43	2034464			567.71- 667.71	690.83
99 Isobutanol					CAS #: 78-83-1		
14.632	14.632 (0.936)	59	15817	50.0000	32.762	80.00- 120.00	100.00
14.632	14.632 (0.936)	41	458698			1891.76-1991.76	2900.03
14.632	14.632 (0.936)	43	572592			2562.84-2662.84	3620.10
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.019	15.019 (1.082)	73	1111251	50.0000	33.584	80.00- 120.00	100.00
15.019	15.019 (1.082)	87	261479			0.00- 73.45	23.53
15.019	15.019 (1.082)	55	300401			0.00- 78.06	27.03
96 2-Heptanone					CAS #: 110-43-0		
21.987	21.987 (1.583)	58	853015	50.0000	69.801	80.00- 120.00	100.00
21.987	21.987 (1.583)	43	1225969			102.18- 202.18	143.72
98 1-Butanol					CAS #: 71-36-3		
15.821	15.821 (1.012)	56	330261	50.0000	59.925	80.00- 120.00	100.00
15.793	15.793 (1.011)	41	246639			40.65- 140.65	74.68
15.821	15.821 (1.012)	43	186773			12.31- 112.31	56.55
119 Butyl Acetate					CAS #: 123-86-4		
19.554	19.554 (1.251)	56	716638	50.0000	57.109	80.00- 120.00	100.00
19.554	19.554 (1.251)	73	284329			0.00- 89.68	39.68
19.554	19.554 (1.251)	43	1685657			185.22- 285.22	235.22
135 Cyclohexanone					CAS #: 108-94-1		
22.733	22.733 (1.093)	55	649874	50.0000	58.747	80.00- 120.00	100.00
22.733	22.733 (1.093)	98	315184			0.00- 90.85	48.50
22.733	22.733 (1.093)	42	433920			13.98- 113.98	66.77
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.563	23.563 (1.133)	57	1574521	50.0000	72.503	80.00- 120.00	100.00
23.563	23.563 (1.133)	85	1386240			38.04- 138.04	88.04
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

Report Date: 19-Oct-2007 11:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101904.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/19Oct2007.b/t14q1016b.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 19-OCT-2007
Calibration Time: 10:25
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	447278	268367	626189	447278	0.00
97 1,4-Difluorobenze	1654988	992993	2316983	1654988	0.00
126 Chlorobenzene-d5	979981	587989	1371973	979981	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.

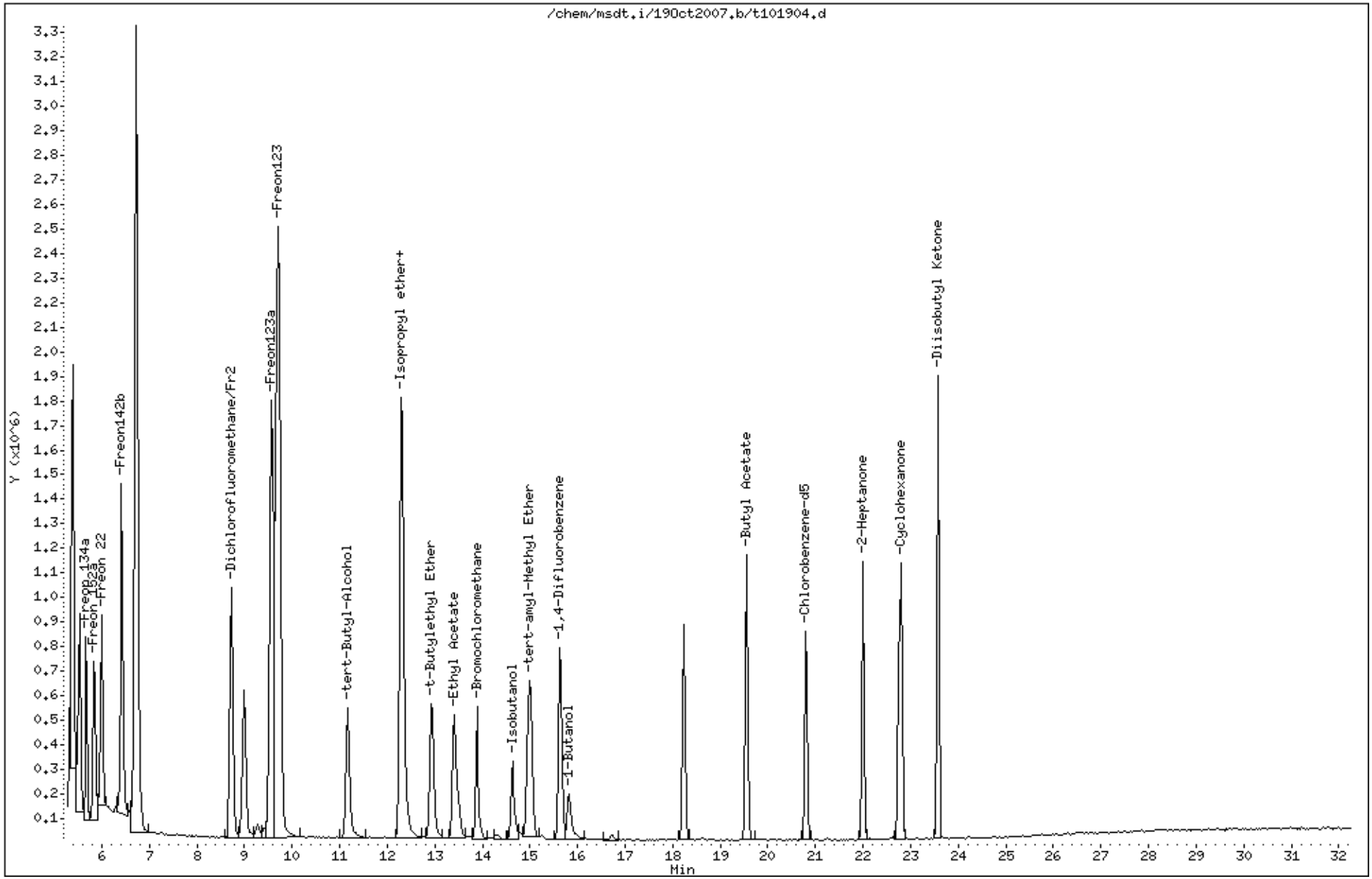
0135

Data File: /chem/msdt.i/19Oct2007.b/t101904.d
Date : 19-OCT-2007 10:25
Client ID: Level 5
Sample Info: 50mL #1487-400

Instrument: msdt.i

Operator: cb

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101618.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 16-OCT-2007 17:08
Operator : srs Inst ID: msdt.i
Smp Info : 50mL #1443-361
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:53 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:08 Cal File: t101618.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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		
13.886	13.886 (1.000)	130	506444	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	401264			29.23- 129.23	79.23
13.886	13.886 (1.000)	49	623830			73.18- 173.18	123.18
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1752940	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	274367			0.00- 65.65	15.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1006472	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	597281			9.56- 109.56	59.34
21 Isobutane					CAS #: 75-28-5		
6.365	6.365 (0.458)	43	1927060	50.0000	49.798	80.00- 120.00	100.00(A)
6.365	6.365 (0.458)	42	653810			0.00- 85.23	33.93
6.365	6.365 (0.458)	58	57633			0.00- 53.88	2.99
35 1-Pentene					CAS #: 109-67-1		
8.826	8.826 (0.636)	55	1757421	50.0000	51.818	80.00- 120.00	100.00(M)

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	2194017			71.97- 171.97	124.84
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
37 Pentane					CAS #: 109-66-0		
8.936	8.936 (0.644)	43	2631655	50.0000	52.245	80.00- 120.00	100.00
8.936	8.936 (0.644)	57	441877			0.00- 67.71	16.79
8.936	8.936 (0.644)	72	303492			0.00- 61.55	11.53
39 Ethyl Ether					CAS #: 60-29-7		
9.462	9.462 (0.681)	74	1045045	50.0000	54.859	80.00- 120.00	100.00
9.462	9.462 (0.681)	59	1416548			83.84- 183.84	135.55
0.000	1.000 (0.000)	31	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.904	9.904 (0.713)	55	287667	50.0000	49.596	80.00- 120.00	100.00(M)
9.904	9.904 (0.713)	56	445140			95.56- 195.56	154.74
48 Ethyl acrylate					CAS #: 140-88-5		
16.181	16.181 (1.035)	99	148768	50.0000	49.942	80.00- 120.00	100.00
16.181	16.181 (1.035)	45	151596			51.90- 151.90	101.90
16.181	16.181 (1.035)	55	1768908			1139.04-1239.04	1189.04
49 Iodomethane					CAS #: 74-88-4		
10.457	10.457 (0.753)	142	3572547	50.0000	52.612	80.00- 120.00	100.00
10.457	10.457 (0.753)	127	1709983			0.00- 99.34	47.86
50 Methyl Methacrylate					CAS #: 80-62-6		
16.595	16.595 (1.062)	41	1253020	50.0000	52.172	80.00- 120.00	100.00
16.595	16.595 (1.062)	69	1081493			32.43- 132.43	86.31
16.595	16.595 (1.062)	100	411179			0.00- 84.55	32.82
52 Acetonitrile					CAS #: 75-05-8		
10.927	10.927 (0.787)	40	541945	50.0000	47.846	80.00- 120.00	100.00
10.927	10.927 (0.787)	41	818600			91.19- 191.19	151.05
10.927	10.927 (0.787)	38	256182			0.00- 98.66	47.27
56 Cyclopentane					CAS #: 287-92-3		
11.121	11.121 (0.801)	70	994929	50.0000	50.912	80.00- 120.00	100.00
11.121	11.121 (0.801)	55	1250193			72.74- 172.74	125.66
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
62 Acrylonitrile					CAS #: 107-13-1		
11.674	11.674 (0.841)	53	489575	50.0000	50.707	80.00- 120.00	100.00
11.674	11.674 (0.841)	52	573768			45.47- 145.47	117.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.849)	55	1178381	50.0000	53.558	80.00- 120.00	100.00
11.784	11.784 (0.849)	41	1695783			122.36- 222.36	143.91
11.784	11.784 (0.849)	84	528766			0.00- 96.67	44.87
63 2-Pentanone					CAS #: 107-87-9		
16.402	16.402 (1.050)	43	1890662	50.0000	50.721	80.00- 120.00	100.00(A)
16.402	16.402 (1.050)	58	166215			0.00- 59.54	8.79
16.402	16.402 (1.050)	86	377254			0.00- 70.55	19.95
79 Methyl Acrylate					CAS #: 96-33-3		
13.526	13.526 (0.974)	55	1763247	50.0000	49.138	80.00- 120.00	100.00
13.526	13.526 (0.974)	85	322257			0.00- 66.47	18.28
13.526	13.526 (0.974)	58	173736			0.00- 60.86	9.85
100 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
23.121	23.121 (1.112)	75	415780	50.0000	52.715	80.00- 120.00	100.00
23.121	23.121 (1.112)	89	219583			3.16- 103.16	52.81
23.121	23.121 (1.112)	53	336209			33.48- 133.48	80.86
103 Alphamethylstyrene					CAS #: 98-83-9		
23.784	23.784 (1.144)	118	1271061	50.0000	56.208	80.00- 120.00	100.00(A)
23.784	23.784 (1.144)	103	739146			8.01- 108.01	58.15
105 Dibromomethane					CAS #: 74-95-3		
16.817	16.817 (1.076)	174	1226999	50.0000	52.181	80.00- 120.00	100.00
16.817	16.817 (1.076)	93	1438510			70.44- 170.44	117.24
16.817	16.817 (1.076)	95	1203690			47.53- 147.53	98.10
124 Nonane					CAS #: 111-84-2		
20.964	20.964 (1.008)	43	1915421	50.0000	55.100	80.00- 120.00	100.00
20.964	20.964 (1.008)	57	1917410			47.96- 147.96	100.10
20.964	20.964 (1.008)	85	792054			0.00- 91.17	41.35
151 bis(2-chloroethyl)ether					CAS #: 111-44-4		
24.392	24.392 (1.173)	93	979971	50.0000	50.149	80.00- 120.00	100.00
24.392	24.392 (1.173)	95	317192			0.00- 82.29	32.37

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.
M - Compound response manually integrated.

Report Date: 17-Oct-2007 13:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101618.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 17:08
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	506444	303866	709022	506444	0.00
97 1,4-Difluorobenze	1752940	1051764	2454116	1752940	0.00
126 Chlorobenzene-d5	1006472	603883	1409061	1006472	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.

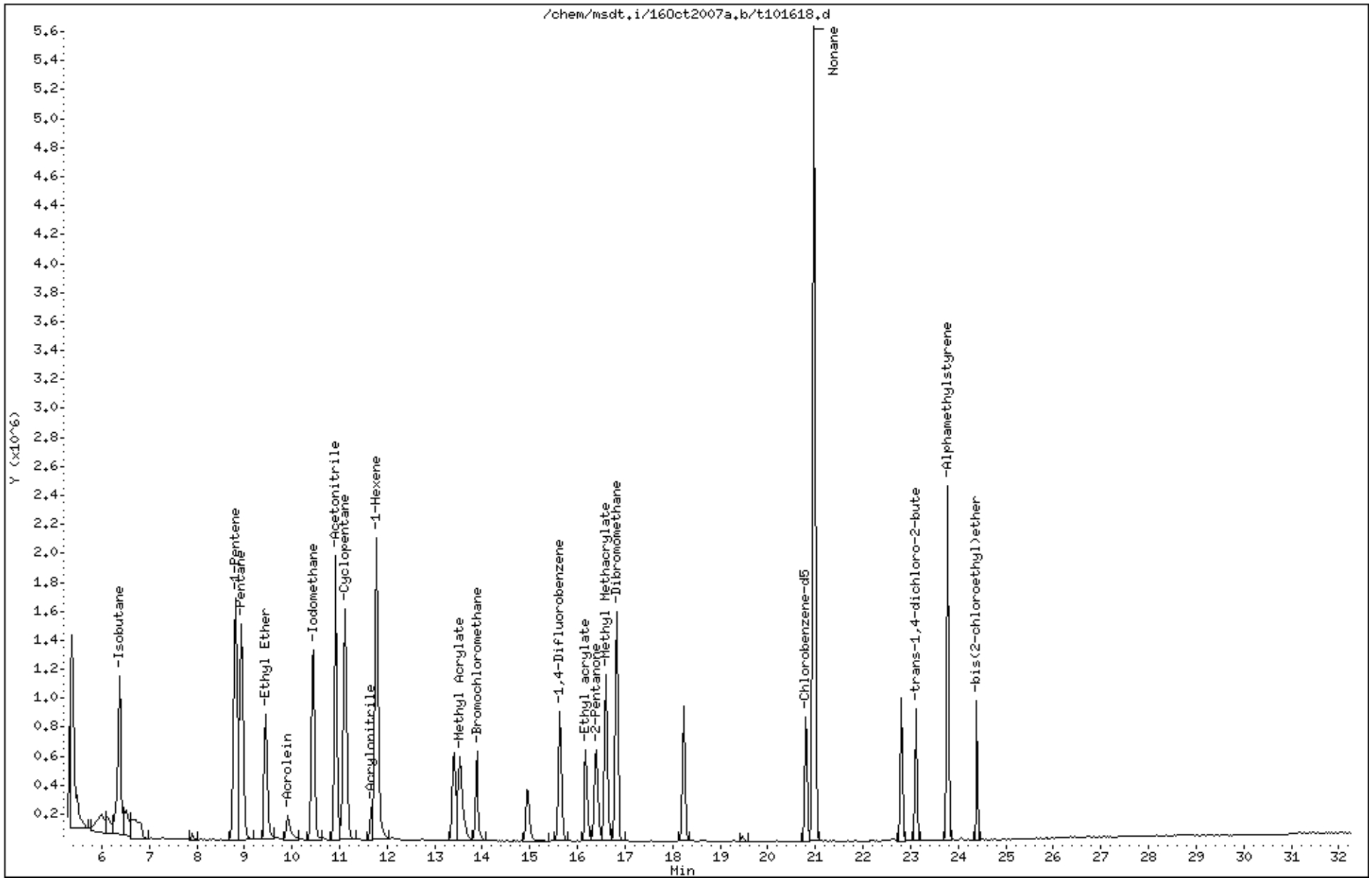
0140

Data File: /chem/msdt.i/16Oct2007a.b/t101618.d
Date : 16-OCT-2007 17:08
Client ID: Level 5
Sample Info: 50mL #1443-361

Instrument: msdt.i

Operator: srs

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101606.d
Lab Smp Id: ICAL Level 5
Inj Date : 16-OCT-2007 06:22
Operator : ab Inst ID: msdt.i
Smp Info : 50mL#1576-21
Misc Info : 200-50ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:08 Cal File: t101618.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	508718	25.0000		80.00- 120.00		100.00
13.886	13.886 (1.000)	128	391581			26.97- 126.97		76.97
13.886	13.886 (1.000)	49	926240			132.07- 232.07		182.07
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	1907821	25.0000		80.00- 120.00		100.00
15.628	15.628 (1.000)	88	295491			0.00- 65.49		15.49
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	1112293	25.0000		80.00- 120.00		100.00
20.798	20.798 (1.000)	82	674192			9.79- 109.79		60.61
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.936	14.936 (1.076)	65	885854	25.0000	26.598	80.00- 120.00		100.00
14.936	14.936 (1.076)	67	451783			2.29- 102.29		51.00
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.227	18.227 (1.166)	98	1471045	25.0000	24.472	80.00- 120.00		100.00
18.227	18.227 (1.166)	70	166686			0.00- 61.65		11.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	1013159			17.64- 117.64	68.87
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	501145	25.0000	24.038	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	703853			90.45- 190.45	140.45
22.789	22.789 (1.096)	176	481013			45.98- 145.98	95.98
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	651447	50.0000	48.168	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	452928			23.60- 123.60	69.53
5.812	5.812 (0.419)	39	531547			34.83- 134.83	81.59
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	3886708	50.0000	48.061	80.00- 120.00	100.00
5.923	5.923 (0.427)	87	1258738			0.00- 82.50	32.39
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	2533915	50.0000	48.438	80.00- 120.00	100.00
6.337	6.337 (0.456)	137	809658			0.00- 83.43	31.95
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	924888	50.0000	47.772	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	301884			0.00- 84.21	32.64
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	1180454	50.0000	48.695	80.00- 120.00	100.00
6.890	6.890 (0.496)	64	387425			3.43- 103.43	32.82
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	806042	50.0000	51.951	80.00- 120.00	100.00
7.001	7.001 (0.504)	39	788058			57.42- 157.42	97.77
25 Bromomethane					CAS #: 74-83-9		
7.913	7.913 (0.570)	94	955924	50.0000	48.588	80.00- 120.00	100.00
7.913	7.913 (0.570)	96	927557			47.03- 147.03	97.03
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	654366	50.0000	47.986	80.00- 120.00	100.00
8.190	8.190 (0.590)	49	179598			0.00- 79.16	27.45
8.190	8.190 (0.590)	66	211195			0.00- 85.06	32.27
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	4678172	50.0000	48.668	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	3015458			14.46- 114.46	64.46

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	289764	50.0000	49.228	80.00- 120.00	100.00
9.268	9.268 (0.667)	43	62673			0.00- 73.59	21.63
9.268	9.268 (0.667)	46	110323			0.00- 89.74	38.07
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	2207032	50.0000	46.165	80.00- 120.00	100.00
9.960	9.960 (0.717)	153	1388971			12.93- 112.93	62.93
9.960	9.960 (0.717)	101	2883468			80.65- 180.65	130.65
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	2475101	50.0000	49.087	80.00- 120.00	100.00
10.042	10.042 (0.723)	96	1557462			12.93- 112.93	62.93
10.042	10.042 (0.723)	98	987345			0.00- 89.89	39.89
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	751188	50.0000	52.482	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	2247334			309.64- 409.64	299.17
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	2316284	50.0000	49.417	80.00- 120.00	100.00
10.374	10.374 (0.747)	43	786363			11.77- 111.77	33.95
10.374	10.374 (0.747)	59	96928			0.00- 54.32	4.18
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	3729701	50.0000	46.569	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	897759	50.0000	50.830	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1967142			166.40- 266.40	219.12
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1550661	50.0000	47.660	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	1356186			37.46- 137.46	87.46
11.121	11.121 (0.801)	51	466404			0.00- 84.73	30.08
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	2209469	50.0000	45.533	80.00- 120.00	100.00
11.453	11.453 (0.825)	57	442461			0.00- 70.03	20.03
11.453	11.453 (0.825)	41	444143			0.00- 76.71	20.10
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	2002973	50.0000	52.615	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	2715723			85.58- 185.58	135.58
11.563	11.563 (0.833)	98	1282695			12.05- 112.05	64.04

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	2771893	50.0000	51.836	80.00- 120.00	100.00
11.895	11.895 (0.857)	43	1620598			8.55- 108.55	58.47
11.895	11.895 (0.857)	86	464279			0.00- 68.53	16.75
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	282703	50.0000	48.566	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2749931			909.16-1009.16	972.73
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	3502515	50.0000	50.440	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	1144064			0.00- 82.66	32.66
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	596362	50.0000	51.442	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	2103517			302.72- 402.72	352.72
13.388	13.388 (0.964)	57	182385			0.00- 81.46	30.58
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	2329987	50.0000	53.246	80.00- 120.00	100.00
13.416	13.416 (0.966)	96	1861587			29.90- 129.90	79.90
13.443	13.443 (0.968)	98	1199287			1.47- 101.47	51.47
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	1108529	50.0000	47.652	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	552216			0.00- 99.82	49.82
13.886	13.886 (1.000)	72	603539			0.00- 99.62	54.45
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	4171206	50.0000	53.024	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	2607543			12.51- 112.51	62.51
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	3896828	50.0000	49.273	80.00- 120.00	100.00
14.300	14.300 (1.030)	99	2523478			14.76- 114.76	64.76
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	1966800	50.0000	50.502	80.00- 120.00	100.00
14.300	14.300 (1.030)	56	1997313			51.55- 151.55	101.55
14.300	14.300 (1.030)	41	1090419			5.44- 105.44	55.44
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	2894436	50.0000	50.799	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	3005860			53.85- 153.85	103.85
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	4513443	50.0000	46.370	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	978941			0.00- 74.27	21.69
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	6798834	50.0000	52.187	80.00- 120.00	100.00
14.881	14.881 (1.072)	56	2224783			0.00- 83.59	32.72
14.881	14.881 (1.072)	41	1826841			0.00- 78.79	26.87
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	2196321	50.0000	53.193	80.00- 120.00	100.00
15.075	15.075 (0.965)	64	711833			0.00- 85.54	32.41
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1486724	50.0000	54.758	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	2197083			98.61- 198.61	147.78
15.185	15.185 (0.972)	57	1293134			35.66- 135.66	86.98
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1931165	50.0000	53.281	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1812203			43.84- 143.84	93.84
16.098	16.098 (1.030)	97	1232152			13.80- 113.80	63.80
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1428118	50.0000	52.944	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	999214			19.97- 119.97	69.97
16.568	16.568 (1.060)	41	857734			10.06- 110.06	60.06
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	686809	50.0000	47.806	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	427487			12.24- 112.24	62.24
16.706	16.706 (1.069)	57	150373			0.00- 72.52	21.89
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	3289439	50.0000	54.200	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	2033818			11.83- 111.83	61.83
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1814525	50.0000	53.422	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	577774			0.00- 81.84	31.84
17.784	17.784 (1.138)	39	894302			0.00- 99.29	49.29
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	876408	50.0000	54.717	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2025138			185.61- 285.61	231.07
17.978	17.978 (1.150)	85	406118			0.00- 97.09	46.34

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	4143447	50.0000	50.832	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2560032			11.79- 111.79	61.79
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1628877	50.0000	55.110	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	518235			0.00- 81.82	31.82
18.780	18.780 (0.903)	39	737798			0.00- 95.29	45.29
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1553001	50.0000	53.847	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	953525			11.40- 111.40	61.40
19.111	19.111 (0.919)	83	1306558			34.13- 134.13	84.13
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	2031420	50.0000	53.025	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1555408			26.57- 126.57	76.57
19.277	19.277 (0.927)	131	1494865			23.59- 123.59	73.59
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	846813	50.0000	51.506	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	1485241			125.39- 225.39	175.39
19.443	19.443 (0.935)	100	168879			0.00- 70.88	19.94
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2589251	50.0000	55.352	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1991651			26.95- 126.95	76.92
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	2205572	50.0000	54.453	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	2089558			44.74- 144.74	94.74
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	3029529	50.0000	51.212	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	973595			0.00- 82.14	32.14
20.853	20.853 (1.003)	77	1828176			10.35- 110.35	60.35
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	1574848	50.0000	53.982	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	5040413			269.09- 369.09	320.06
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	1821342	50.0000	53.525	80.00- 120.00	100.00
21.158	21.158 (1.017)	91	3670689			151.96- 251.96	201.54
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1642814	50.0000	53.648	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	3484535			162.11- 262.11	212.11
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	2094409	50.0000	54.585	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1200890			7.34- 107.34	57.34
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2102984	50.0000	55.530	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1078137			1.27- 101.27	51.27
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	4589968	50.0000	53.876	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	1141687			0.00- 75.31	24.87
22.429	22.429 (1.078)	51	405190			0.00- 60.20	8.83
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2754665	50.0000	52.101	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1729685			12.79- 112.79	62.79
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	4818742	50.0000	51.961	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1028868			0.00- 71.70	21.35
23.121	23.121 (1.112)	105	173655			0.00- 53.96	3.60
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	4097325	50.0000	56.409	80.00- 120.00	100.00
23.287	23.287 (1.120)	120	1186309			0.00- 78.95	28.95
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	3863363	50.0000	57.793	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1782346			0.00- 95.79	46.13
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	3156673	50.0000	59.943	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1409305			0.00- 96.64	44.65
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1698345	50.0000	53.121	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	1081229			13.33- 113.33	63.66
24.586	24.586 (1.182)	111	720729			0.00- 92.09	42.44
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	1601105	50.0000	52.380	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	1011702			14.12- 114.12	63.19
24.752	24.752 (1.190)	111	660464			0.00- 90.47	41.25

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	1755562	50.0000	54.962	80.00- 120.00	100.00
24.945	24.945 (1.199)	126	346918			0.00- 70.20	19.76
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1417884	50.0000	51.943	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	897239			13.28- 113.28	63.28
25.360	25.360 (1.219)	111	608808			0.00- 92.94	42.94
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	883239	50.0000	43.538	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	855909			46.91- 146.91	96.91
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	742935	50.0000	44.362	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	453646			13.03- 113.03	61.06
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	222589	50.0000	48.292	80.00- 120.00	100.00
6.835	6.835 (0.492)	43	1586548			695.45- 795.45	712.77
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1352091	50.0000	47.518	80.00- 120.00	100.00
8.301	8.301 (0.598)	57	1029067			23.83- 123.83	76.11
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	2663594	50.0000	53.891	80.00- 120.00	100.00
16.347	16.347 (1.177)	98	1194673			0.00- 96.80	44.85
16.347	16.347 (1.177)	55	1914941			23.37- 123.37	71.89
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1156536	50.0000	45.200	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	147287			0.00- 64.10	12.74

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101606.d
Lab Smp Id: ICAL Level 5
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200-50ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	508718	0.00
97 1,4-Difluorobenze	1907821	1144693	2670949	1907821	0.00
126 Chlorobenzene-d5	1112293	667376	1557210	1112293	0.00

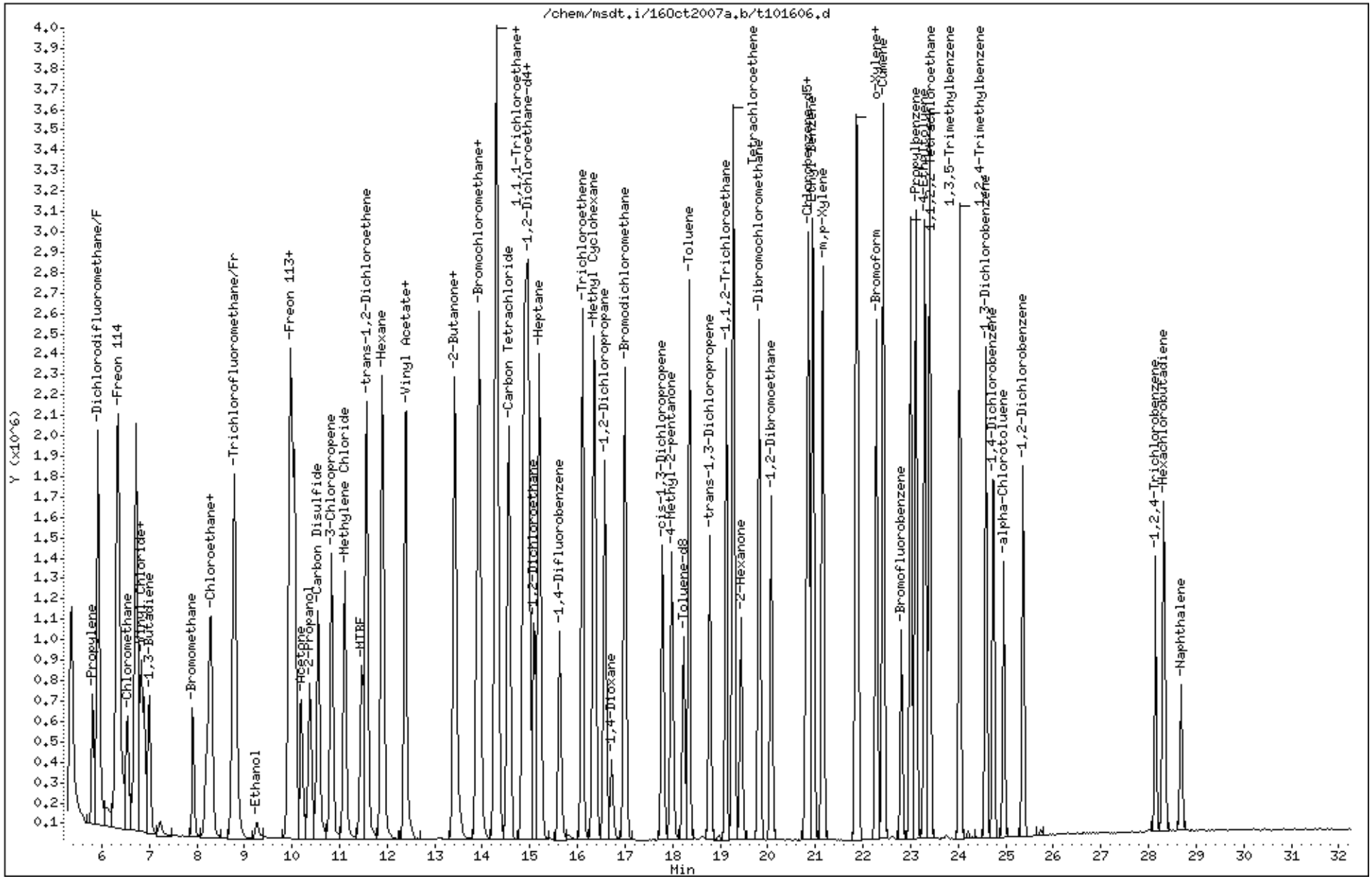
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/16Oct2007a.b/t101606.d
Date : 16-OCT-2007 06:22
Client ID:
Sample Info: 50mL#1576-21

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

Column phase: RTx-624



0150

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101614.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 16-OCT-2007 13:48
Operator : cb Inst ID: msdt.i
Smp Info : 100mL #1443-356
Misc Info : 200ppbv --> 100ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 13:48 Cal File: t101614.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1a.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	469765	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	361794			27.86- 127.86	77.02
13.886	13.886 (1.000)	49	576731			82.01- 182.01	122.77
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.627	15.627 (1.000)	114	1769245	25.0000		50.00- 150.00	100.00
15.627	15.627 (1.000)	88	270677			0.00- 65.56	15.30
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.826	20.826 (1.000)	117	991913	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	593990			9.87- 109.87	59.88
204 Propane					CAS #: 74-98-6		
5.812	5.812 (0.419)	43	509263	100.000	100.24	50.00- 150.00	100.00
5.923	5.923 (0.427)	57	627			0.00- 51.66	0.12

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101614.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 100ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	469765	-7.66
97 1,4-Difluorobenze	1907821	1144693	2670949	1769245	-7.26
126 Chlorobenzene-d5	1112293	667376	1557210	991913	-10.82

		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	20.83	0.13

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.

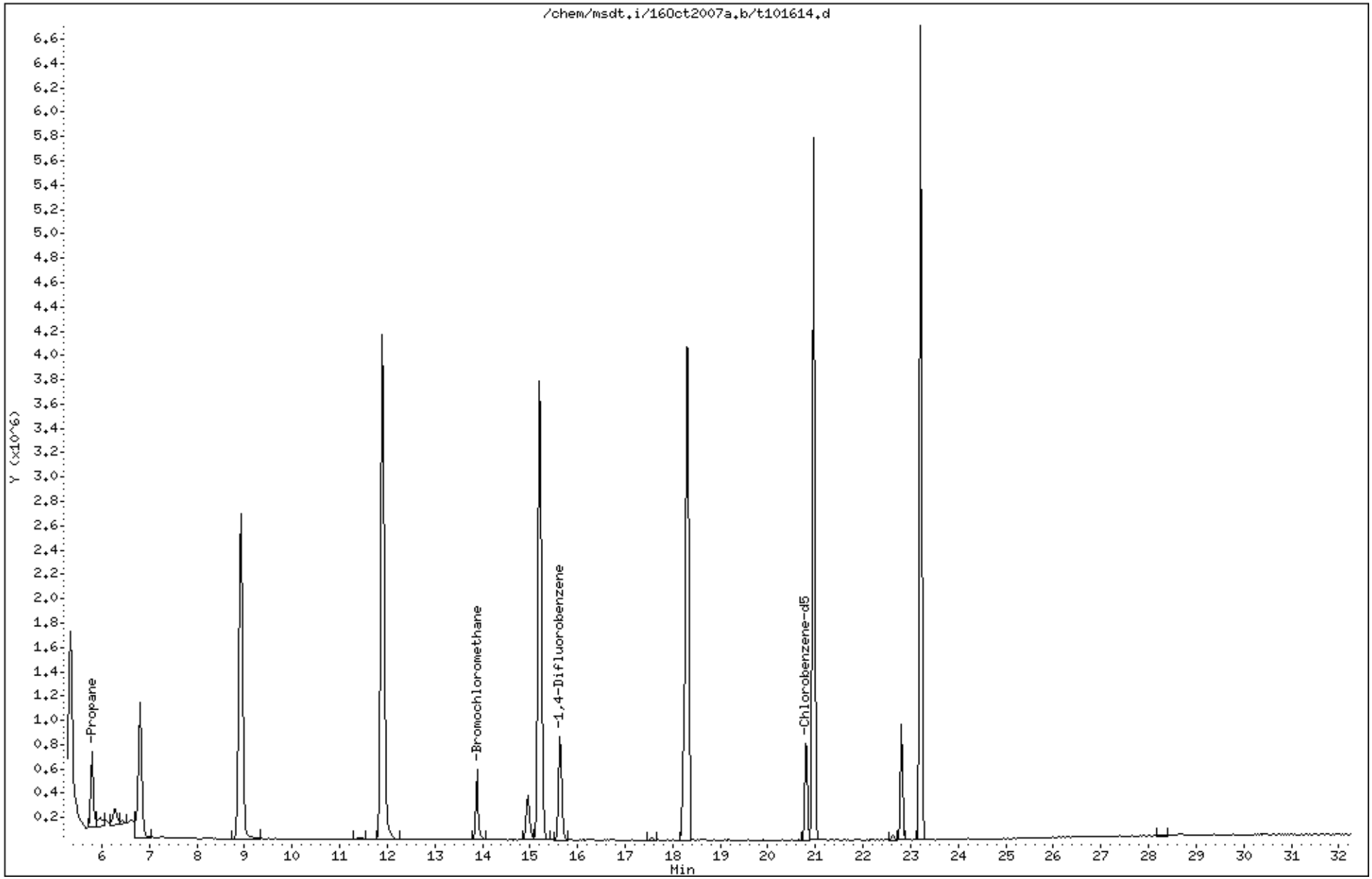
0153

Data File: /chem/msdt.i/16Oct2007a.b/t101614.d
Date : 16-OCT-2007 13:48
Client ID: Level 6
Sample Info: 100mL #1443-356

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101607.d
Lab Smp Id: ICAL Level 6
Inj Date : 16-OCT-2007 07:57
Operator : lo Inst ID: msdt.i
Smp Info : 100mL#1576-21
Misc Info : 200-100ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 13:48 Cal File: t101614.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	494730	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	379482			28.30- 128.30	76.70
13.941	13.941 (1.000)	49	1180410			107.54- 207.54	238.60
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	2009463	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	320737			0.00- 65.47	15.96
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1207187	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	711875			9.63- 109.63	58.97
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.936 (1.076)	65	831468	25.0000	25.671	50.00- 150.00	100.00
14.936	14.936 (1.076)	67	547920			2.29- 102.29	65.90
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1556967	25.0000	24.592	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	182300			0.00- 61.65	11.71

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	1064119			17.64- 117.64	68.35
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	536027	25.0000	23.690	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	756517			92.26- 192.26	141.13
22.789	22.789 (1.096)	176	515967			46.26- 146.26	96.26
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	1313979	100.000	99.902	50.00- 150.00	100.00
5.840	5.840 (0.421)	42	878921			23.60- 123.60	66.89
5.840	5.840 (0.421)	39	1056187			34.83- 134.83	80.38
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	7688972	100.000	97.765	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	2487331			0.00- 82.50	32.35
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	5134953	100.000	100.93	50.00- 150.00	100.00
6.337	6.337 (0.456)	137	1615160			0.00- 83.43	31.45
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	1875152	100.000	99.593	50.00- 150.00	100.00
6.559	6.559 (0.472)	52	622360			0.00- 84.21	33.19
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	2375518	100.000	100.76	50.00- 150.00	100.00
6.890	6.890 (0.496)	64	827524			3.43- 103.43	34.84
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	1629731	100.000	108.01	50.00- 150.00	100.00
7.001	7.001 (0.504)	39	1580764			57.42- 157.42	97.00
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	1832618	100.000	95.784	50.00- 150.00	100.00
7.941	7.941 (0.572)	96	1723632			43.08- 143.08	94.05
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.592)	64	1261170	100.000	95.100	50.00- 150.00	100.00
8.218	8.218 (0.592)	49	336032			0.00- 79.16	26.64
8.218	8.218 (0.592)	66	413098			0.00- 85.06	32.76
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	8960574	100.000	95.853	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	5790922			13.17- 113.17	64.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.667)	45	643506	100.000	112.42	50.00- 150.00	100.00
9.268	9.268 (0.667)	43	144885			0.00- 73.59	22.51
9.268	9.268 (0.667)	46	236306			0.00- 89.74	36.72
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	4047442	100.000	87.056	50.00- 150.00	100.00
9.987	9.987 (0.719)	153	2570051			14.35- 114.35	63.50
9.959	9.959 (0.717)	101	5369626			83.22- 183.22	132.67
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	4468791	100.000	91.133	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	2786461			13.15- 113.15	62.35
10.042	10.042 (0.723)	98	1793144			0.00- 90.51	40.13
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	1592666	100.000	114.42	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	4977716			309.64- 409.64	312.54
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	5081908	100.000	111.48	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	1422005			11.77- 111.77	27.98
10.374	10.374 (0.747)	59	199011			0.00- 54.32	3.92
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	7297439	100.000	93.692	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	1619088	100.000	94.263	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	3614482			166.40- 266.40	223.24
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	2785628	100.000	88.039	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	2453413			38.48- 138.48	88.07
11.121	11.121 (0.801)	51	841758			0.00- 84.73	30.22
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	4967239	100.000	105.26	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	987766			0.00- 70.96	19.89
11.453	11.453 (0.825)	41	967002			0.00- 76.71	19.47
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	3777040	100.000	102.02	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	5097599			82.45- 182.45	134.96
11.563	11.563 (0.833)	98	2441622			12.05- 112.05	64.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.895 (0.857)	57	5420037	100.000	104.22	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	3118951			8.55- 108.55	57.54
11.895	11.895 (0.857)	86	898925			0.00- 68.53	16.59
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	635007	100.000	112.17	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	6241968			909.16-1009.16	982.98
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	6544658	100.000	96.915	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	2094460			0.00- 82.43	32.00
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	1367908	100.000	121.33	50.00- 150.00	100.00
13.388	13.388 (0.964)	43	4779804			333.66- 433.66	349.42
13.388	13.388 (0.964)	57	415284			0.00- 81.46	30.36
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	4667941	100.000	109.69	50.00- 150.00	100.00
13.416	13.416 (0.966)	96	3736512			31.18- 131.18	80.05
13.416	13.416 (0.966)	98	2419974			1.27- 101.27	51.84
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	2454456	100.000	108.49	50.00- 150.00	100.00
13.858	13.858 (0.998)	71	1242033			0.00- 98.53	50.60
13.858	13.858 (0.998)	72	1319951			0.00- 99.62	53.78
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	7954861	100.000	103.98	50.00- 150.00	100.00
13.941	13.941 (1.004)	85	4921542			12.59- 112.59	61.87
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	7371023	100.000	95.837	50.00- 150.00	100.00
14.300	14.300 (1.030)	99	4735355			14.72- 114.72	64.24
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	3768931	100.000	99.511	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	3870755			48.94- 148.94	102.70
14.300	14.300 (1.030)	41	2083621			10.21- 110.21	55.28
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	5462829	100.000	98.587	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	5763159			54.66- 154.66	105.50
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	9138959	100.000	89.143	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	2005196			0.00- 74.27	21.94
	89 2,2,4-Trimethylpentane				CAS #: 540-84-1		
14.881	14.881 (1.072)	57	13795648	100.000	108.89	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	4511186			0.00- 83.59	32.70
14.881	14.881 (1.072)	41	3680946			0.00- 78.79	26.68
	93 1,2-Dichloroethane				CAS #: 107-06-2		
15.075	15.075 (0.965)	62	4597941	100.000	105.72	50.00- 150.00	100.00
15.075	15.075 (0.965)	64	1489828			0.00- 85.54	32.40
	94 Heptane				CAS #: 142-82-5		
15.185	15.185 (0.972)	71	3142121	100.000	109.87	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	4607069			98.61- 198.61	146.62
15.185	15.185 (0.972)	57	2706812			35.66- 135.66	86.15
	101 Trichloroethene				CAS #: 79-01-6		
16.098	16.098 (1.030)	95	3935352	100.000	103.08	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	3687514			42.85- 142.85	93.70
16.098	16.098 (1.030)	97	2555302			12.59- 112.59	64.93
	104 1,2-Dichloropropane				CAS #: 78-87-5		
16.568	16.568 (1.060)	63	2995506	100.000	105.43	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	2128934			20.29- 120.29	71.07
16.568	16.568 (1.060)	41	1768487			16.08- 116.08	59.04
	106 1,4-Dioxane				CAS #: 123-91-1		
16.706	16.706 (1.069)	88	1401070	100.000	92.591	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	868582			11.97- 111.97	61.99
16.706	16.706 (1.069)	57	298047			0.00- 72.52	21.27
	107 Bromodichloromethane				CAS #: 75-27-4		
17.010	17.010 (1.088)	83	6812655	100.000	106.57	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	4186450			13.24- 113.24	61.45
	110 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	3933867	100.000	109.96	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	1249917			0.00- 85.30	31.77
17.784	17.784 (1.138)	39	1950242			1.15- 101.15	49.58
	111 4-Methyl-2-pentanone				CAS #: 108-10-1		
17.978	17.978 (1.150)	58	1891246	100.000	112.10	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	4546845			185.61- 285.61	240.42
17.978	17.978 (1.150)	85	886486			0.00- 97.09	46.87

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	8774439	100.000	102.20	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	5388271			11.38- 111.38	61.41
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	3519724	100.000	109.72	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	1092252			0.00- 82.97	31.03
18.780	18.780 (0.903)	39	1578540			6.40- 106.40	44.85
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	3179999	100.000	101.59	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	1987541			10.02- 110.02	62.50
19.111	19.111 (0.919)	83	2742871			36.34- 136.34	86.25
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	4191267	100.000	100.80	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	3183647			26.94- 126.94	75.96
19.277	19.277 (0.927)	131	3047017			23.34- 123.34	72.70
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	1831899	100.000	102.66	50.00- 150.00	100.00
19.443	19.443 (0.935)	43	3192878			121.01- 221.01	174.29
19.443	19.443 (0.935)	100	370292			0.00- 70.88	20.21
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	5366567	100.000	105.71	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	4136521			26.95- 126.95	77.08
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	4665360	100.000	106.13	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	4395031			46.01- 146.01	94.21
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	6526066	100.000	101.65	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	2039201			0.00- 83.92	31.25
20.853	20.853 (1.003)	77	3949405			23.65- 123.65	60.52
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	3439380	100.000	108.63	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	11065148			269.09- 369.09	321.72
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	3890441	100.000	105.34	50.00- 150.00	100.00
21.157	21.157 (1.017)	91	8009139			151.96- 251.96	205.87
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	3510012	100.000	105.61	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	7479171			165.70- 265.70	213.08
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	4574777	100.000	109.86	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	2576274			13.72- 113.72	56.31
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	4557551	100.000	110.88	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	2333600			3.53- 103.53	51.20
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	9933660	100.000	107.43	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	2513439			0.00- 75.31	25.30
22.429	22.429 (1.078)	51	896653			0.00- 60.20	9.03
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	5975112	100.000	104.13	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	3677656			11.18- 111.18	61.55
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	9824365	100.000	97.609	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	2050315			0.00- 71.70	20.87
23.121	23.121 (1.112)	105	347379			0.00- 53.96	3.54
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	8057369	100.000	102.21	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	2285571			0.00- 78.57	28.37
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	7375558	100.000	101.66	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	3423175			0.00- 95.79	46.41
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	6520266	100.000	114.08	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	2872770			0.00- 96.64	44.06
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3391065	100.000	97.728	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	2177595			13.33- 113.33	64.22
24.586	24.586 (1.182)	111	1419126			0.00- 92.09	41.85
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	3389002	100.000	102.16	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	2160607			14.12- 114.12	63.75
24.724	24.724 (1.189)	111	1371208			0.00- 90.47	40.46

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	3834909	100.000	110.62	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	730578			0.00- 70.20	19.05
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	2916643	100.000	98.449	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	1853484			14.00- 114.00	63.55
25.360	25.360 (1.219)	111	1289242			0.00- 91.07	44.20
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2569094	100.000	116.68	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	2400157			47.29- 147.29	93.42
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	2075355	100.000	114.18	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	1302801			13.03- 113.03	62.77
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	447721	100.000	99.883	50.00- 150.00	100.00
6.835	6.835 (0.492)	43	3189614			695.45- 795.45	712.41
29 Isopentane					CAS #: 78-78-4		
8.300	8.300 (0.598)	43	2630718	100.000	95.069	50.00- 150.00	100.00
8.300	8.300 (0.598)	57	2038270			23.83- 123.83	77.48
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.177)	83	5097959	100.000	106.06	50.00- 150.00	100.00
16.346	16.346 (1.177)	98	2273196			0.00- 96.80	44.59
16.346	16.346 (1.177)	55	3707918			23.37- 123.37	72.73
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	3309910	100.000	119.19	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	417465			0.00- 64.10	12.61

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101607.d
Lab Smp Id: ICAL Level 6
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200-100ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Level: LOW
Sample Type: AIR

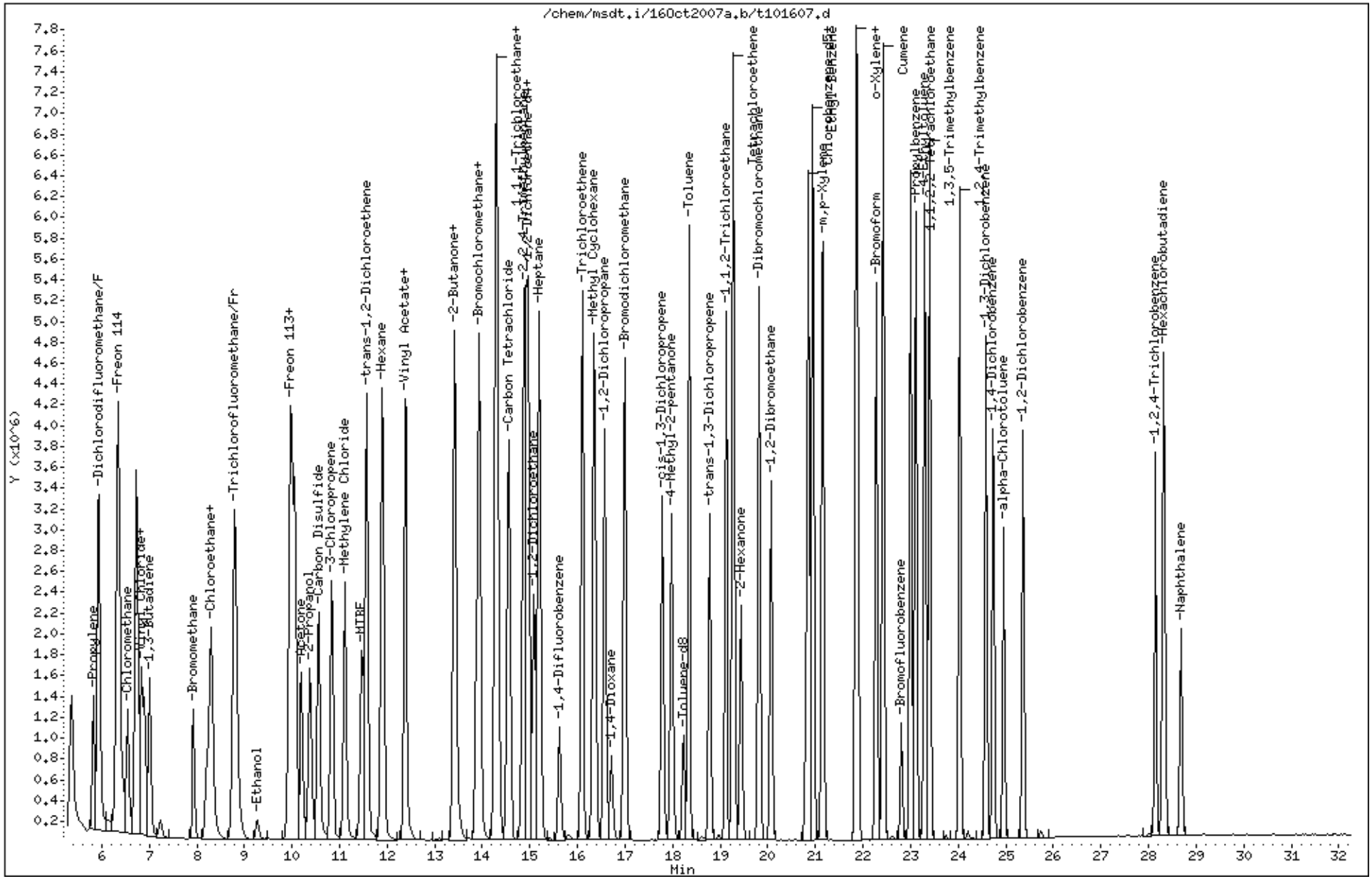
		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	494730	-2.75
97 1,4-Difluorobenze	1907821	1144693	2670949	2009463	5.33
126 Chlorobenzene-d5	1112293	667376	1557210	1207187	8.53

		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/16Oct2007a.b/t101607.d
Date : 16-OCT-2007 07:57
Client ID:
Sample Info: 100mL#1576-21

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



0163

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/19Oct2007.b/t101905.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 19-OCT-2007 11:31
Operator : cb Inst ID: msdt.i
Smp Info : 200mL #1487-400
Misc Info : 200ppbv
Comment :
Method : /chem/msdt.i/19Oct2007.b/t14q1016b.m
Meth Date : 19-Oct-2007 11:58 cbond Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.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

				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	403480	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	307450			28.42- 128.42	76.20
13.886	13.886 (1.000)	49	501715			73.83- 173.83	124.35
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1627338	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	263286			0.00- 65.60	16.18
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	969598	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	582914			9.61- 109.61	60.12
5 Freon 143a					CAS #: 420-46-2		
5.536	5.536 (0.399)	69	5279137	200.000	209.97	50.00- 150.00	100.00(A)
6 Freon142b					CAS #: 75-68-3		
6.420	6.420 (0.462)	65	10941533	200.000	195.84	50.00- 150.00	100.00
6.420	6.420 (0.462)	45	2342104			0.00- 76.10	21.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.397	5.397 (0.389)	69	8585291	200.000	223.25	50.00- 150.00	100.00(A)
5.397	5.397 (0.389)	85	2849053			0.00- 84.22	33.19
5.397	5.397 (0.389)	87	919601			0.00- 61.17	10.71
13 Freon 134a					CAS #: 811-97-2		
5.674	5.674 (0.409)	83	4283007	200.000	202.54	50.00- 150.00	100.00
5.674	5.674 (0.409)	69	3313255			27.40- 127.40	77.36
15 Freon 152a					CAS #: 75-37-6		
5.840	5.840 (0.421)	65	2166127	200.000	216.17	50.00- 150.00	100.00(A)
5.840	5.840 (0.421)	51	3840784			127.98- 227.98	177.31
5.840	5.840 (0.421)	47	989392			0.00- 95.94	45.68
17 Freon 22					CAS #: 75-45-6		
6.006	6.006 (0.432)	67	1128255	200.000	204.39	50.00- 150.00	100.00
6.006	6.006 (0.432)	51	5937327			478.18- 578.18	526.24
6.006	6.006 (0.432)	85	102301			0.00- 65.99	9.07
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.743	8.743 (0.630)	67	8033145	200.000	187.87	50.00- 150.00	100.00
8.743	8.743 (0.630)	69	2581450			0.00- 82.22	32.13
8.715	8.715 (0.628)	35	486602			0.00- 55.79	6.06
40 Freon123a					CAS #: 354-23-4		
9.572	9.572 (0.689)	67	7664256	200.000	170.84	50.00- 150.00	100.00
9.572	9.572 (0.689)	117	4976416			20.49- 120.49	64.93
41 Freon123					CAS #: 306-83-2		
9.738	9.738 (0.701)	83	9622822	200.000	165.86	50.00- 150.00	100.00
9.738	9.738 (0.701)	133	1956020			0.00- 70.11	20.33
9.738	9.738 (0.701)	85	6651267			16.76- 116.76	69.12
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.149	11.149 (0.803)	59	7737861	200.000	217.30	50.00- 150.00	100.00(A)
11.149	11.149 (0.803)	41	1562489			0.00- 72.91	20.19
11.149	11.149 (0.803)	57	804716			0.00- 61.95	10.40
68 Isopropyl ether					CAS #: 108-20-3		
12.282	12.282 (0.884)	45	15966205	200.000	208.26	50.00- 150.00	100.00(A)
12.282	12.282 (0.884)	87	4694756			0.00- 78.90	29.40
12.282	12.282 (0.884)	59	1854546			0.00- 62.40	11.62
71 1-Propanol					CAS #: 71-23-8		
12.420	12.420 (0.894)	42	531344	200.000	122.44	50.00- 150.00	100.00
12.420	12.420 (0.894)	59	769015			75.14- 175.14	144.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol (continued)							
12.282	12.282 (0.884)	41	3126053			403.19- 503.19	588.33
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.918	12.918 (0.930)	59	8563381	200.000	229.87	50.00- 150.00	100.00(A)
12.918	12.918 (0.930)	87	3482026			0.00- 91.98	40.66
12.918	12.918 (0.930)	41	1416439			0.00- 68.31	16.54
77 Ethyl Acetate					CAS #: 141-78-6		
13.388	13.388 (0.964)	45	1270538	200.000	214.40	50.00- 150.00	100.00(A)
13.388	13.388 (0.964)	61	1383692			41.38- 141.38	108.91
13.388	13.388 (0.964)	43	9142551			567.71- 667.71	719.58
99 Isobutanol					CAS #: 78-83-1		
14.632	14.632 (0.936)	59	91583	200.000	195.22	50.00- 150.00	100.00
14.605	14.605 (0.935)	41	2156932			1891.76-1991.76	2355.17
14.605	14.605 (0.935)	43	2765423			2562.84-2662.84	3019.58
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.019	15.019 (1.082)	73	7154141	200.000	224.81	50.00- 150.00	100.00(A)
15.019	15.019 (1.082)	87	1707861			0.00- 73.45	23.87
15.019	15.019 (1.082)	55	1805716			0.00- 78.06	25.24
96 2-Heptanone					CAS #: 110-43-0		
21.987	21.987 (1.583)	58	4243644	200.000	294.25	50.00- 150.00	100.00(A)
21.987	21.987 (1.583)	43	6197368			102.18- 202.18	146.04
98 1-Butanol					CAS #: 71-36-3		
15.794	15.794 (1.011)	56	1677194	200.000	261.73	50.00- 150.00	100.00(A)
15.794	15.794 (1.011)	41	1149897			40.65- 140.65	68.56
15.794	15.794 (1.011)	43	866314			12.31- 112.31	51.65
119 Butyl Acetate					CAS #: 123-86-4		
19.554	19.554 (1.251)	56	3225187	200.000	237.12	50.00- 150.00	100.00(A)
19.554	19.554 (1.251)	73	1248898			0.00- 86.37	38.72
19.554	19.554 (1.251)	43	7645536			176.08- 276.08	237.06
135 Cyclohexanone					CAS #: 108-94-1		
22.734	22.734 (1.093)	55	2931688	200.000	240.64	50.00- 150.00	100.00(A)
22.734	22.734 (1.093)	98	1414262			0.00- 93.31	48.24
22.734	22.734 (1.093)	42	1946929			14.79- 114.79	66.41
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.563	23.563 (1.133)	57	8516352	200.000	298.63	50.00- 150.00	100.00(A)
23.563	23.563 (1.133)	85	7386757			35.49- 135.49	86.74
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.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101905.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/19Oct2007.b/t14q1016b.m
Misc Info: 200ppbv

Calibration Date: 19-OCT-2007
Calibration Time: 10:25
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	447278	268367	626189	403480	-9.79
97 1,4-Difluorobenze	1654988	992993	2316983	1627338	-1.67
126 Chlorobenzene-d5	979981	587989	1371973	969598	-1.06

		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.

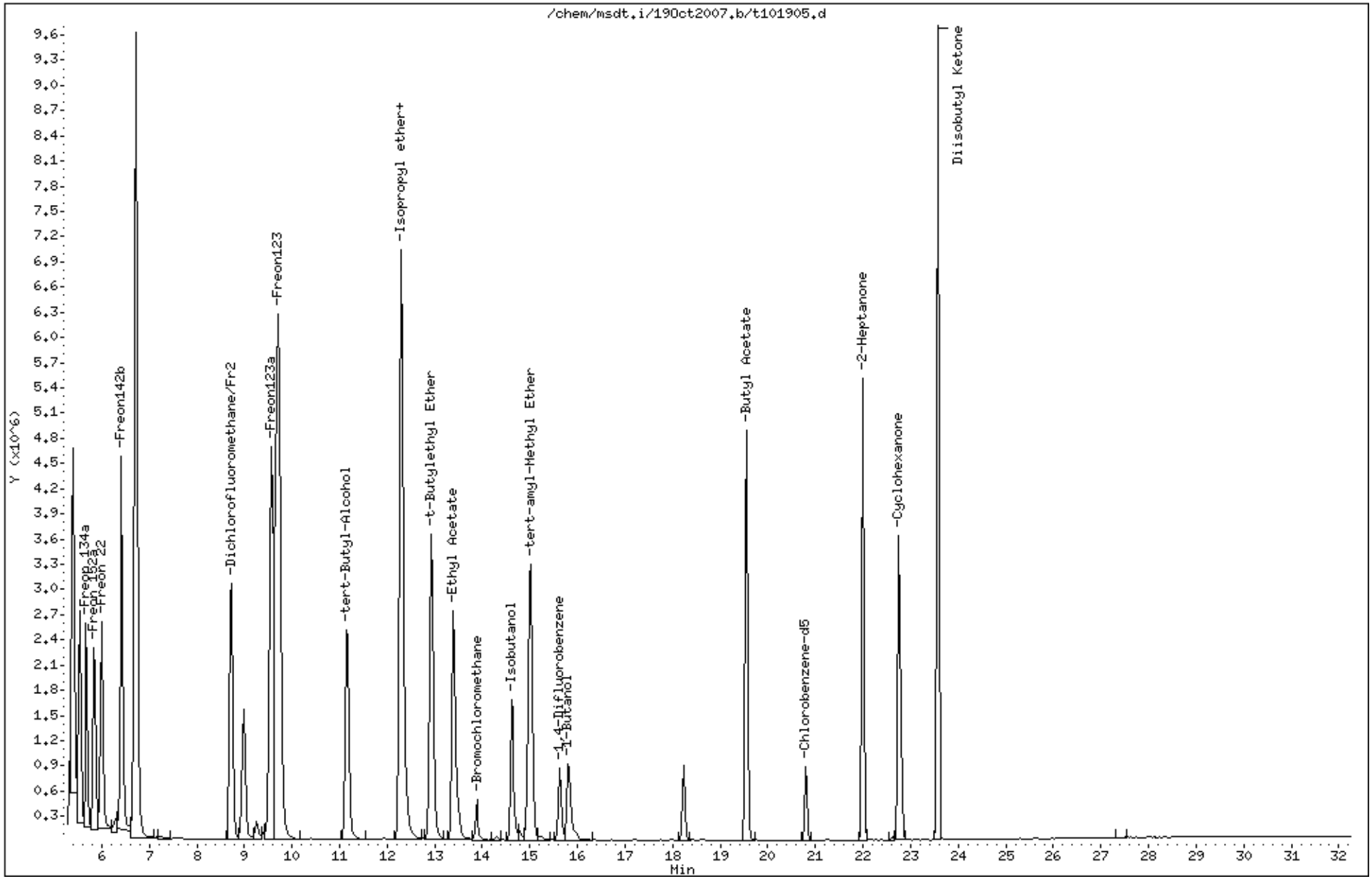
Data File: /chem/msdt.i/19Oct2007.b/t101905.d
Date : 19-OCT-2007 11:31
Client ID: Level 7
Sample Info: 200mL #1487-400

Instrument: msdt.i

Operator: cb

Column phase: RTx-624

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101619.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 16-OCT-2007 17:47
Operator : srs Inst ID: msdt.i
Smp Info : 200mL #1443-361
Misc Info : 200ppbv --> 200ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:53 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:47 Cal File: t101619.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20a.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	415269	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	317419			28.39- 128.39	76.44
13.886	13.886 (1.000)	49	510104			72.54- 172.54	122.84
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1770048	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	274435			0.00- 65.51	15.50
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.826	20.826 (1.000)	117	1064448	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	631896			9.56- 109.56	59.36
21 Isobutane					CAS #: 75-28-5		
6.365	6.365 (0.458)	43	6456237	200.000	203.47	50.00- 150.00	100.00(A)
6.365	6.365 (0.458)	42	2174388			0.00- 85.23	33.68
6.365	6.365 (0.458)	58	187176			0.00- 53.88	2.90
35 1-Pentene					CAS #: 109-67-1		
8.826	8.826 (0.636)	55	5194090	200.000	186.77	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)							
8.826	8.826 (0.636)	42	6343632			71.97- 171.97	122.13
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
37 Pentane					CAS #: 109-66-0		
8.964	8.964 (0.646)	43	7335220	200.000	177.60	50.00- 150.00	100.00
8.964	8.964 (0.646)	57	1258399			0.00- 67.71	17.16
8.964	8.964 (0.646)	72	849952			0.00- 61.55	11.59
39 Ethyl Ether					CAS #: 60-29-7		
9.462	9.462 (0.681)	74	3295191	200.000	210.96	50.00- 150.00	100.00(A)
9.462	9.462 (0.681)	59	4483882			83.84- 183.84	136.07
0.000	1.000 (0.000)	31	0			0.00- 50.00	0.00
44 Acrolein					CAS #: 107-02-8		
9.904	9.904 (0.713)	55	1166793	200.000	245.33	50.00- 150.00	100.00(A)
9.904	9.904 (0.713)	56	1695006			95.56- 195.56	145.27
48 Ethyl acrylate					CAS #: 140-88-5		
16.180	16.180 (1.035)	99	693098	200.000	230.42	50.00- 150.00	100.00(A)
16.180	16.180 (1.035)	45	716619			53.13- 153.13	103.39
16.180	16.180 (1.035)	55	8456375			1044.27-1144.27	1220.08
49 Iodomethane					CAS #: 74-88-4		
10.457	10.457 (0.753)	142	11271970	200.000	202.45	50.00- 150.00	100.00(A)
10.457	10.457 (0.753)	127	5321398			0.00- 99.34	47.21
50 Methyl Methacrylate					CAS #: 80-62-6		
16.595	16.595 (1.062)	41	5525816	200.000	227.85	50.00- 150.00	100.00(A)
16.595	16.595 (1.062)	69	4762412			32.43- 132.43	86.18
16.595	16.595 (1.062)	100	1842511			0.00- 84.55	33.34
52 Acetonitrile					CAS #: 75-05-8		
10.927	10.927 (0.787)	40	1969701	200.000	212.08	50.00- 150.00	100.00(A)
10.927	10.927 (0.787)	41	3120025			91.19- 191.19	158.40
10.927	10.927 (0.787)	38	848161			0.00- 98.66	43.06
56 Cyclopentane					CAS #: 287-92-3		
11.121	11.121 (0.801)	70	3249865	200.000	202.81	50.00- 150.00	100.00
11.121	11.121 (0.801)	55	4095603			72.74- 172.74	126.02
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00
62 Acrylonitrile					CAS #: 107-13-1		
11.674	11.674 (0.841)	53	2294536	200.000	289.83	50.00- 150.00	100.00(A)
11.674	11.674 (0.841)	52	2440390			45.47- 145.47	106.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
66 1-Hexene					CAS #: 592-41-6		
11.784	11.784 (0.849)	55	4077890	200.000	226.03	50.00- 150.00	100.00(A)
11.784	11.784 (0.849)	41	5912244			122.36- 222.36	144.98
11.784	11.784 (0.849)	84	1826580			0.00- 96.67	44.79
63 2-Pentanone					CAS #: 107-87-9		
16.402	16.402 (1.050)	43	8815890	200.000	234.22	50.00- 150.00	100.00(A)
16.402	16.402 (1.050)	58	742753			0.00- 59.54	8.43
16.402	16.402 (1.050)	86	1788051			0.00- 70.55	20.28
79 Methyl Acrylate					CAS #: 96-33-3		
13.526	13.526 (0.974)	55	7977183	200.000	271.12	50.00- 150.00	100.00(A)
13.526	13.526 (0.974)	85	1503815			0.00- 66.47	18.85
13.526	13.526 (0.974)	58	772456			0.00- 60.86	9.68
100 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
23.121	23.121 (1.110)	75	1793887	200.000	215.05	50.00- 150.00	100.00(A)
23.121	23.121 (1.110)	89	1014743			3.16- 103.16	56.57
23.121	23.121 (1.110)	53	1433614			33.48- 133.48	79.92
103 Alphamethylstyrene					CAS #: 98-83-9		
23.784	23.784 (1.142)	118	5370586	200.000	224.56	50.00- 150.00	100.00(A)
23.784	23.784 (1.142)	103	3077790			8.01- 108.01	57.31
105 Dibromomethane					CAS #: 74-95-3		
16.816	16.816 (1.076)	174	4875945	200.000	205.36	50.00- 150.00	100.00(A)
16.816	16.816 (1.076)	93	5689539			70.44- 170.44	116.69
16.816	16.816 (1.076)	95	4700701			47.53- 147.53	96.41
124 Nonane					CAS #: 111-84-2		
20.964	20.964 (1.007)	43	7058628	200.000	191.99	50.00- 150.00	100.00
20.964	20.964 (1.007)	57	7104637			47.96- 147.96	100.65
20.964	20.964 (1.007)	85	2949559			0.00- 91.17	41.79
151 bis(2-chloroethyl)ether					CAS #: 111-44-4		
24.392	24.392 (1.171)	93	4569083	200.000	221.08	50.00- 150.00	100.00(A)
24.392	24.392 (1.171)	95	1456086			0.00- 82.29	31.87

QC Flag Legend

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

Report Date: 17-Oct-2007 13:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101619.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: srs
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 200ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 17:08
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	506444	303866	709022	415269	-18.00
97 1,4-Difluorobenze	1752940	1051764	2454116	1770048	0.98
126 Chlorobenzene-d5	1006472	603883	1409061	1064448	5.76

		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	20.83	0.13

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.

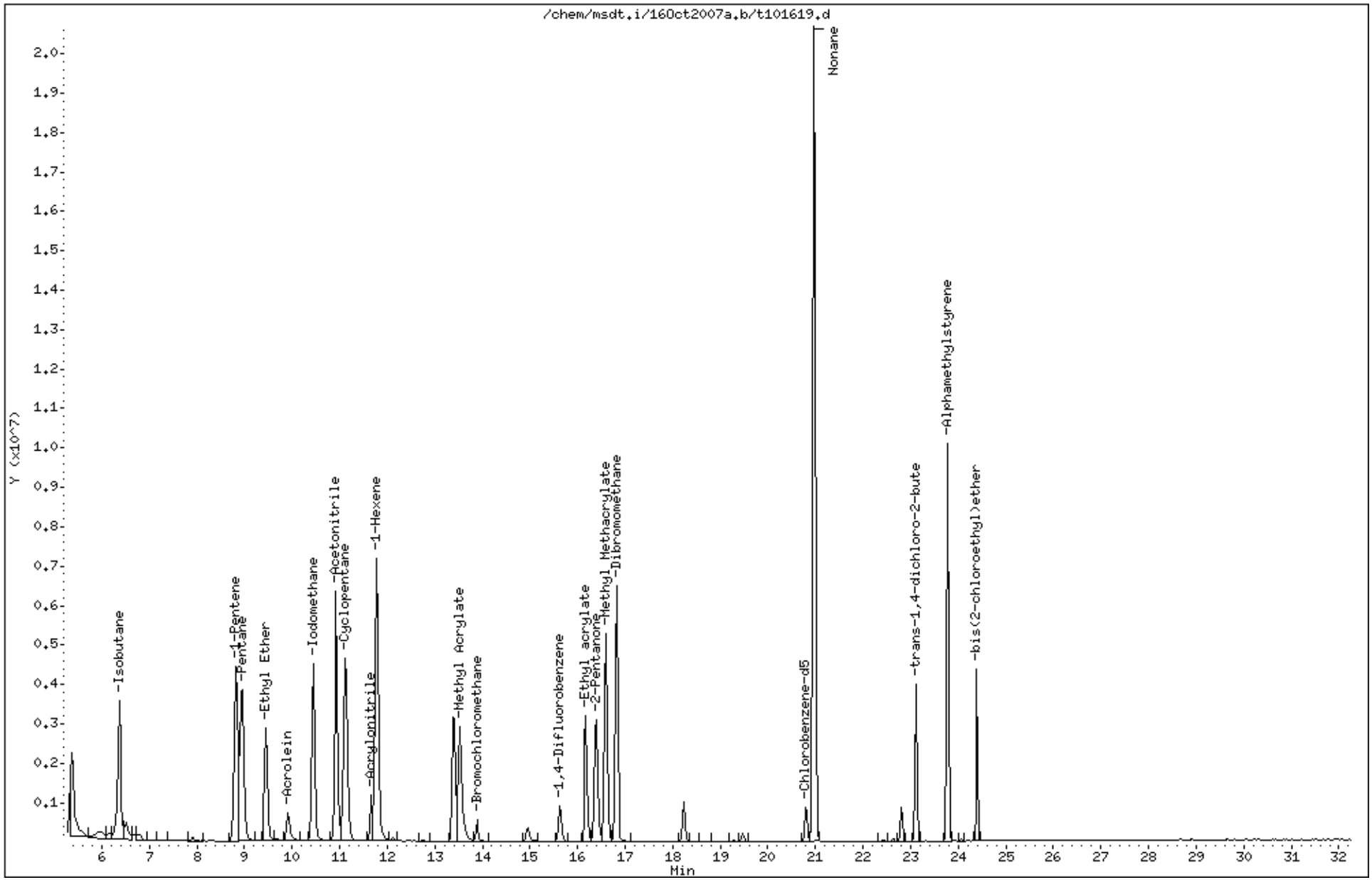
0174

Data File: /chem/msdt.i/16Oct2007a.b/t101619.d
Date : 16-OCT-2007 17:47
Client ID: Level 7
Sample Info: 200mL #1443-361

Instrument: msdt.i

Operator: srs

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101615.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 16-OCT-2007 14:31
Operator : ea Inst ID: msdt.i
Smp Info : 200mL #1443-356
Misc Info : 200ppbv --> 200ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:47 Cal File: t101619.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp1a.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		
13.886	13.886 (1.000)	130	400864	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	305635			27.86- 127.86	76.24
13.886	13.886 (1.000)	49	485051			82.01- 182.01	121.00
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1612224	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	252305			0.00- 65.56	15.65
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.826	20.826 (1.000)	117	934831	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	575281			9.87- 109.87	61.54
204 Propane					CAS #: 74-98-6		
5.812	5.812 (0.419)	43	889671	200.000	205.21	50.00- 150.00	100.00
6.227	6.227 (0.448)	57	358			0.00- 51.66	0.04

Report Date: 17-Oct-2007 13:53

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101615.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ea
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv --> 200ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	400864	-21.20
97 1,4-Difluorobenze	1907821	1144693	2670949	1612224	-15.49
126 Chlorobenzene-d5	1112293	667376	1557210	934831	-15.95

		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	20.83	0.13

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.

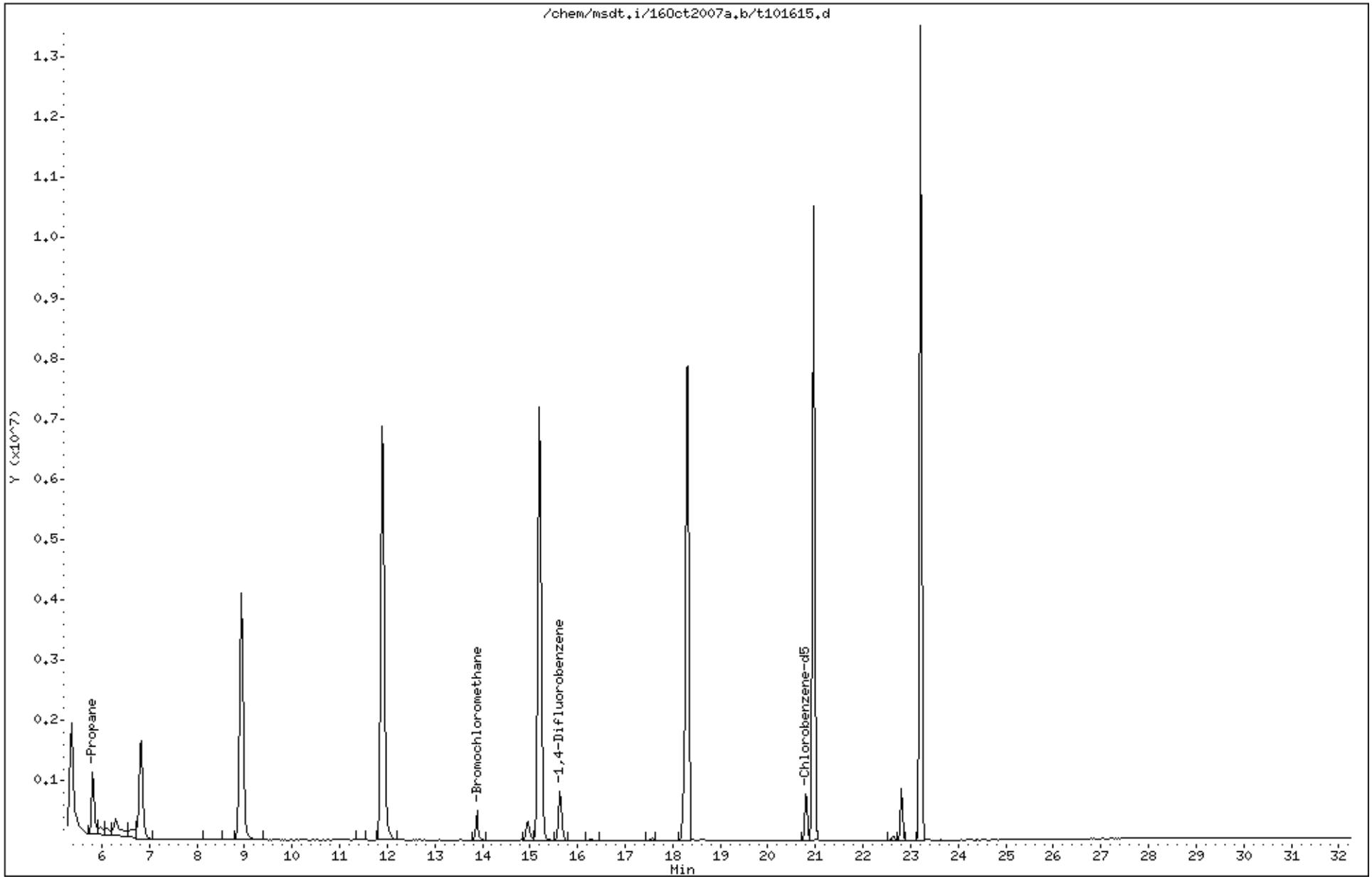
0177

Data File: /chem/msdt.i/16Oct2007a.b/t101615.d
Date : 16-OCT-2007 14:31
Client ID: Level 7
Sample Info: 200mL #1443-356

Column phase: RTx-624

Instrument: msdt.i

Operator: ea
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/16Oct2007a.b/t101608.d
Lab Smp Id: ICAL Level 7
Inj Date : 16-OCT-2007 08:45
Operator : lo Inst ID: msdt.i
Smp Info : 200mL#1576-21
Misc Info : 200ppbv
Comment :
Method : /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Meth Date : 17-Oct-2007 13:52 lover Quant Type: ISTD
Cal Date : 16-OCT-2007 17:47 Cal File: t101619.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		
13.886	13.886 (1.000)	130	433794	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	330861			28.30- 128.30	76.27
13.941	13.941 (1.000)	49	1539701			107.54- 207.54	354.94
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	2017344	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	312286			0.00- 65.47	15.48
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	1265239	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	775809			9.63- 109.63	61.32
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.937	14.937 (1.076)	65	800873	25.0000	28.200	50.00- 150.00	100.00
14.937	14.937 (1.076)	67	614752			2.29- 102.29	76.76
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1651635	25.0000	25.985	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	190577			0.00- 61.65	11.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	1108455			17.64- 117.64	67.11
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	596247	25.0000	25.142	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	841419			92.26- 192.26	141.12
22.789	22.789 (1.096)	176	605824			46.26- 146.26	101.61
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	2520794	200.000	218.58	50.00- 150.00	100.00(A)
5.812	5.812 (0.419)	42	1705055			23.60- 123.60	67.64
5.812	5.812 (0.419)	39	2035286			34.83- 134.83	80.74
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.923 (0.427)	85	14870541	200.000	215.64	50.00- 150.00	100.00(A)
5.923	5.923 (0.427)	87	4740104			0.00- 82.50	31.88
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	10362704	200.000	232.30	50.00- 150.00	100.00(A)
6.310	6.310 (0.454)	137	3262756			0.00- 83.43	31.49
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	3745944	200.000	226.90	50.00- 150.00	100.00(A)
6.531	6.531 (0.470)	52	1250741			0.00- 84.21	33.39
20 Vinyl Chloride					CAS #: 75-01-4		
6.891	6.891 (0.496)	62	4581419	200.000	221.63	50.00- 150.00	100.00(A)
6.891	6.891 (0.496)	64	1520568			3.43- 103.43	33.19
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	3274649	200.000	247.51	50.00- 150.00	100.00(A)
6.973	6.973 (0.502)	39	3207012			57.42- 157.42	97.93
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.570)	94	3524335	200.000	210.08	50.00- 150.00	100.00(A)
7.914	7.914 (0.570)	96	3352197			43.08- 143.08	95.12
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	2506726	200.000	215.57	50.00- 150.00	100.00(A)
8.190	8.190 (0.590)	49	680763			0.00- 79.16	27.16
8.190	8.190 (0.590)	66	807596			0.00- 85.06	32.22
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	17260228	200.000	210.57	50.00- 150.00	100.00(A)
8.798	8.798 (0.634)	103	11140183			13.17- 113.17	64.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.667)	45	1364684	200.000	271.89	50.00- 150.00	100.00(A)
9.268	9.268 (0.667)	43	310616			0.00- 73.59	22.76
9.268	9.268 (0.667)	46	506082			0.00- 89.74	37.08
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	7949460	200.000	195.00	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	5057703			14.35- 114.35	63.62
9.960	9.960 (0.717)	101	10397833			83.22- 183.22	130.80
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	8186941	200.000	190.41	50.00- 150.00	100.00
10.043	10.043 (0.723)	96	5139820			13.15- 113.15	62.78
10.043	10.043 (0.723)	98	3291323			0.00- 90.51	40.20
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	3072101	200.000	251.70	50.00- 150.00	100.00(A)
10.208	10.208 (0.735)	43	9545615			309.64- 409.64	310.72
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	10346473	200.000	258.86	50.00- 150.00	100.00(A)
10.374	10.374 (0.747)	43	2820284			11.77- 111.77	27.26
10.374	10.374 (0.747)	59	434113			0.00- 54.32	4.20
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	14553126	200.000	213.10	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	2830106	200.000	187.91	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	6251629			166.40- 266.40	220.90
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	5073282	200.000	182.86	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	4425581			38.48- 138.48	87.23
11.121	11.121 (0.801)	51	1511226			0.00- 84.73	29.79
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	10556347	200.000	255.12	50.00- 150.00	100.00(A)
11.453	11.453 (0.825)	57	2078165			0.00- 70.96	19.69
11.453	11.453 (0.825)	41	1950868			0.00- 76.71	18.48
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	6568097	200.000	202.33	50.00- 150.00	100.00(A)
11.563	11.563 (0.833)	61	8841733			82.45- 182.45	134.62
11.563	11.563 (0.833)	98	4210364			12.05- 112.05	64.10

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	9775222	200.000	214.38	50.00- 150.00	100.00(A)
11.895	11.895 (0.857)	43	5553021			8.55- 108.55	56.81
11.895	11.895 (0.857)	86	1640518			0.00- 68.53	16.78
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	1355220	200.000	273.02	50.00- 150.00	100.00(A)
12.365	12.365 (0.890)	43	13482498			909.16-1009.16	994.86
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	11305675	200.000	190.94	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	3580118			0.00- 82.43	31.67
75 2-Butanone					CAS #: 78-93-3		
13.388	13.388 (0.964)	72	2939811	200.000	297.39	50.00- 150.00	100.00(A)
13.388	13.388 (0.964)	43	10458764			333.66- 433.66	355.76
13.388	13.388 (0.964)	57	895149			0.00- 81.46	30.45
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.416 (0.966)	61	8317516	200.000	222.90	50.00- 150.00	100.00(A)
13.443	13.443 (0.968)	96	6722883			31.18- 131.18	80.83
13.443	13.443 (0.968)	98	4287438			1.27- 101.27	51.55
80 Tetrahydrofuran					CAS #: 109-99-9		
13.858	13.858 (0.998)	42	5205394	200.000	262.41	50.00- 150.00	100.00(A)
13.858	13.858 (0.998)	71	2588835			0.00- 98.53	49.73
13.858	13.858 (0.998)	72	2759098			0.00- 99.62	53.00
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	13721885	200.000	204.56	50.00- 150.00	100.00(A)
13.941	13.941 (1.004)	85	8555871			12.59- 112.59	62.35
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.301	14.301 (1.030)	97	13434957	200.000	199.22	50.00- 150.00	100.00
14.301	14.301 (1.030)	99	8632556			14.72- 114.72	64.25
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	7150664	200.000	215.32	50.00- 150.00	100.00(A)
14.301	14.301 (1.030)	56	7349733			48.94- 148.94	102.78
14.301	14.301 (1.030)	41	3866342			10.21- 110.21	54.07
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	10301616	200.000	212.03	50.00- 150.00	100.00(A)
14.549	14.549 (1.048)	117	10847705			54.66- 154.66	105.30
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	17740277	200.000	172.36	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	3971325			0.00- 74.27	22.39
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	26545708	200.000	238.95	50.00- 150.00	100.00(A)
14.881	14.881 (1.072)	56	8545961			0.00- 83.59	32.19
14.881	14.881 (1.072)	41	6901151			0.00- 78.79	26.00
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.075 (0.965)	62	8737455	200.000	200.12	50.00- 150.00	100.00(A)
15.075	15.075 (0.965)	64	2826152			0.00- 85.54	32.35
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	6280675	200.000	218.76	50.00- 150.00	100.00(A)
15.185	15.185 (0.972)	43	9279717			98.61- 198.61	147.75
15.185	15.185 (0.972)	57	5449153			35.66- 135.66	86.76
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	7843172	200.000	204.65	50.00- 150.00	100.00(A)
16.098	16.098 (1.030)	130	7196758			42.85- 142.85	91.76
16.098	16.098 (1.030)	97	5085797			12.59- 112.59	64.84
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	6060300	200.000	212.47	50.00- 150.00	100.00(A)
16.568	16.568 (1.060)	62	4254263			20.29- 120.29	70.20
16.568	16.568 (1.060)	41	3506235			16.08- 116.08	57.86
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	3128402	200.000	205.93	50.00- 150.00	100.00(A)
16.706	16.706 (1.069)	58	1931477			11.97- 111.97	61.74
16.706	16.706 (1.069)	57	666095			0.00- 72.52	21.29
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	13580148	200.000	211.61	50.00- 150.00	100.00(A)
17.010	17.010 (1.088)	85	8364160			13.24- 113.24	61.59
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	8404456	200.000	234.00	50.00- 150.00	100.00(A)
17.784	17.784 (1.138)	77	2621988			0.00- 85.30	31.20
17.784	17.784 (1.138)	39	4088255			1.15- 101.15	48.64
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	4193067	200.000	247.57	50.00- 150.00	100.00(A)
17.978	17.978 (1.150)	43	10016422			185.61- 285.61	238.88
17.978	17.978 (1.150)	85	1943891			0.00- 97.09	46.36

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	18074181	200.000	209.70	50.00- 150.00	100.00(A)
18.337	18.337 (1.173)	92	11078738			11.38- 111.38	61.30
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	7556324	200.000	224.75	50.00- 150.00	100.00(A)
18.780	18.780 (0.903)	77	2361308			0.00- 82.97	31.25
18.780	18.780 (0.903)	39	3393115			6.40- 106.40	44.90
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	6500461	200.000	198.14	50.00- 150.00	100.00
19.112	19.112 (0.919)	99	4044836			10.02- 110.02	62.22
19.112	19.112 (0.919)	83	5601744			36.34- 136.34	86.17
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	8487382	200.000	194.76	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	6406649			26.94- 126.94	75.48
19.277	19.277 (0.927)	131	6162050			23.34- 123.34	72.60
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	4437448	200.000	237.27	50.00- 150.00	100.00(A)
19.443	19.443 (0.935)	43	7653095			121.01- 221.01	172.47
19.443	19.443 (0.935)	100	866969			0.00- 70.88	19.54
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	10885951	200.000	204.58	50.00- 150.00	100.00(A)
19.803	19.803 (0.952)	127	8383721			26.95- 126.95	77.01
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	9736721	200.000	211.33	50.00- 150.00	100.00(A)
20.079	20.079 (0.965)	109	9150813			46.01- 146.01	93.98
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	13499176	200.000	200.61	50.00- 150.00	100.00(A)
20.853	20.853 (1.003)	114	4327149			0.00- 83.92	32.05
20.853	20.853 (1.003)	77	8320724			23.65- 123.65	61.64
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.936 (1.007)	106	7172358	200.000	216.13	50.00- 150.00	100.00(A)
20.936	20.936 (1.007)	91	23687928			269.09- 369.09	330.27
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	8490934	200.000	219.36	50.00- 150.00	100.00(A)
21.158	21.158 (1.017)	91	17481255			151.96- 251.96	205.88
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	7447579	200.000	213.81	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	16333646			165.70- 265.70	219.31
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	10428976	200.000	238.94	50.00- 150.00	100.00(A)
21.877	21.877 (1.052)	78	5860931			13.72- 113.72	56.20
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	9576642	200.000	222.31	50.00- 150.00	100.00(A)
22.291	22.291 (1.072)	171	4931251			3.53- 103.53	51.49
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	21961169	200.000	226.62	50.00- 150.00	100.00(A)
22.430	22.430 (1.078)	120	5441480			0.00- 75.31	24.78
22.430	22.430 (1.078)	51	1930766			0.00- 60.20	8.79
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	12603377	200.000	209.56	50.00- 150.00	100.00(A)
23.010	23.010 (1.106)	85	7816915			11.18- 111.18	62.02
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	21625473	200.000	205.00	50.00- 150.00	100.00(A)
23.121	23.121 (1.112)	120	4487263			0.00- 71.70	20.75
23.121	23.121 (1.112)	105	758788			0.00- 53.96	3.51
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	16404333	200.000	198.54	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	4675324			0.00- 78.57	28.50
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	13994499	200.000	184.04	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	6421861			0.00- 95.79	45.89
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	12063557	200.000	201.38	50.00- 150.00	100.00(A)
24.033	24.033 (1.156)	120	5318677			0.00- 96.64	44.09
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	6709487	200.000	184.49	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	4263827			13.33- 113.33	63.55
24.586	24.586 (1.182)	111	2801266			0.00- 92.09	41.75
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	6649658	200.000	191.25	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	4217952			14.12- 114.12	63.43
24.752	24.752 (1.190)	111	2673418			0.00- 90.47	40.20

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	7877021	200.000	216.80	50.00- 150.00	100.00(A)
24.946	24.946 (1.199)	126	1489684			0.00- 70.20	18.91
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	5631707	200.000	181.37	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	3556231			14.00- 114.00	63.15
25.360	25.360 (1.219)	111	2458558			0.00- 91.07	43.66
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	5410664	200.000	234.47	50.00- 150.00	100.00(A)
28.153	28.153 (1.354)	182	5158607			47.29- 147.29	95.34
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	4427613	200.000	232.42	50.00- 150.00	100.00(A)
28.319	28.319 (1.362)	223	2785120			13.03- 113.03	62.90
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	911325	200.000	231.87	50.00- 150.00	100.00(A)
6.808	6.808 (0.490)	43	6335009			695.45- 795.45	695.14
29 Isopentane					CAS #: 78-78-4		
8.301	8.301 (0.598)	43	5220308	200.000	215.15	50.00- 150.00	100.00(A)
8.301	8.301 (0.598)	57	4008406			23.83- 123.83	76.78
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.347 (1.177)	83	9646954	200.000	228.89	50.00- 150.00	100.00(A)
16.374	16.374 (1.179)	98	4279300			0.00- 96.80	44.36
16.347	16.347 (1.177)	55	7055299			23.37- 123.37	73.13
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	7214370	200.000	247.87	50.00- 150.00	100.00(A)
28.678	28.678 (1.379)	127	890819			0.00- 64.10	12.35

QC Flag Legend

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

Report Date: 17-Oct-2007 13:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t101608.d
Lab Smp Id: ICAL Level 7
Analysis Type: VOA
Quant Type: ISTD
Operator: lo
Method File: /chem/msdt.i/16Oct2007a.b/t14q1016a.m
Misc Info: 200ppbv

Calibration Date: 16-OCT-2007
Calibration Time: 06:22
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	508718	305231	712205	433794	-14.73
97 1,4-Difluorobenze	1907821	1144693	2670949	2017344	5.74
126 Chlorobenzene-d5	1112293	667376	1557210	1265239	13.75

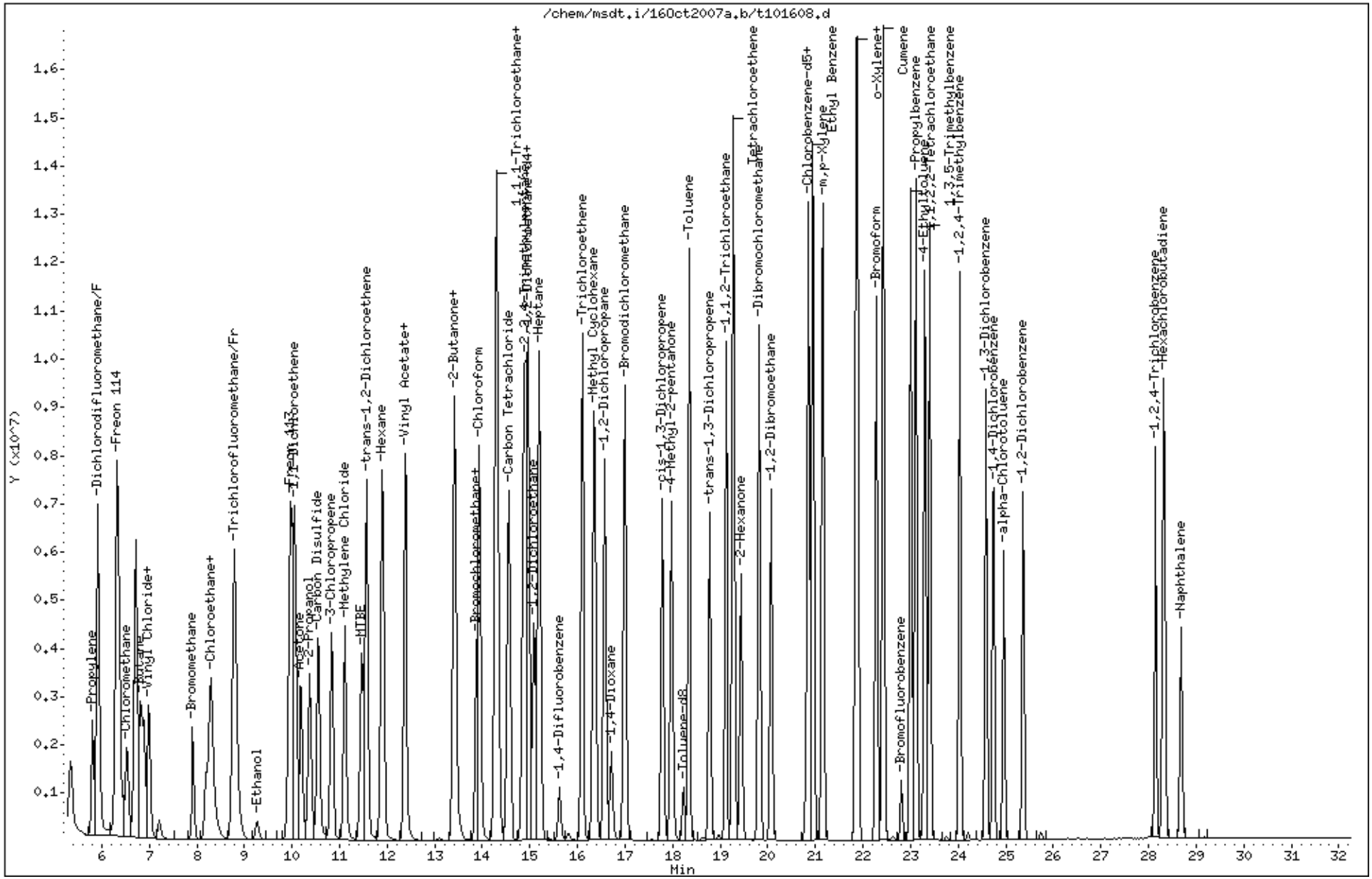
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/16Oct2007a.b/t101608.d
Date : 16-OCT-2007 08:45
Client ID:
Sample Info: 200mL#1576-21

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

Column phase: RTx-624



0187

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710302-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 10:14 AM**	

Compound	%Recovery
Freon 12	127
Freon 114	118
Vinyl Chloride	117
Bromomethane	93
Chloroethane	105
Freon 11	109
1,1-Dichloroethene	99
Freon 113	101
Methylene Chloride	94
1,1-Dichloroethane	96
cis-1,2-Dichloroethene	102
Chloroform	104
1,1,1-Trichloroethane	103
Carbon Tetrachloride	119
Benzene	92
1,2-Dichloroethane	109
Trichloroethene	106
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	110
Toluene	102
trans-1,3-Dichloropropene	113
1,1,2-Trichloroethane	110
Tetrachloroethene	111
1,2-Dibromoethane (EDB)	112
Chlorobenzene	103
Ethyl Benzene	107
m,p-Xylene	113
o-Xylene	113
Styrene	119
1,1,2,2-Tetrachloroethane	107
1,3,5-Trimethylbenzene	128
1,2,4-Trimethylbenzene	123
1,3-Dichlorobenzene	112
1,4-Dichlorobenzene	111
alpha-Chlorotoluene	113
1,2-Dichlorobenzene	108
1,3-Butadiene	127
Hexane	99
Cyclohexane	105

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0710302-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 10:14 AM**	

Compound	%Recovery
Heptane	103
Bromodichloromethane	112
Dibromochloromethane	119
Cumene	112
Propylbenzene	119
Chloromethane	128
1,2,4-Trichlorobenzene	96
Hexachlorobutadiene	97
Acetone	91
Carbon Disulfide	94
2-Propanol	81
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	94
Tetrahydrofuran	91
1,4-Dioxane	85
4-Methyl-2-pentanone	100
2-Hexanone	102
Bromoform	116
4-Ethyltoluene	127
Ethanol	88
Methyl tert-butyl ether	108
3-Chloropropene	92
2,2,4-Trimethylpentane	99
Naphthalene	94

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	101	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 22-OCT-2007 10:14
Lab File ID: t102202.d Init. Cal. Date(s): 16-OCT-2007 19-OCT-2007
Analysis Type: AIR Init. Cal. Times: 03:04 11:31
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/22Oct2007.b/t14q1016b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.63670	1.86246	0.010	-13.79346	30.00000	Averaged
$ 113 Toluene-d8	0.78768	0.80312	0.010	-1.95968	30.00000	Averaged
$ 137 Bromofluorobenzene	0.46858	0.47526	0.010	-1.42537	30.00000	Averaged
11 Propylene	0.66464	0.79495	0.010	-19.60682	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	3.97425	5.05283	0.010	-27.13921	30.00000	Averaged
16 Freon 114	2.57082	3.04374	0.010	-18.39571	30.00000	Averaged
18 Chloromethane	0.95144	1.22296	0.010	-28.53797	30.00000	Averaged
20 Vinyl Chloride	1.19132	1.39356	0.010	-16.97570	30.00000	Averaged
22 1,3-Butadiene	0.76248	0.96566	0.010	-26.64803	30.00000	Averaged
25 Bromomethane	0.96683	0.90138	0.010	6.76967	30.00000	Averaged
27 Chloroethane	0.67014	0.70324	0.010	-4.93947	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	4.72389	5.15193	0.010	-9.06118	30.00000	Averaged
38 Ethanol	0.28927	0.25460	0.010	11.98399	30.00000	Averaged
42 Freon 113	2.34939	2.38147	0.010	-1.36564	30.00000	Averaged
43 1,1-Dichloroethene	2.47791	2.45253	0.010	1.02418	30.00000	Averaged
45 Acetone	0.70340	0.64165	0.010	8.77839	30.00000	Averaged
46 2-Propanol	2.30346	1.86174	0.010	19.17628	30.00000	Averaged
47 Carbon Disulfide	3.93585	3.69157	0.010	6.20640	30.00000	Averaged
51 3-Chloropropene	0.86796	0.79976	0.010	7.85780	30.00000	Averaged
54 Methylene Chloride	1.59890	1.49630	0.010	6.41704	30.00000	Averaged
60 MTBE	2.38466	2.56970	0.010	-7.75952	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.87081	1.85643	0.010	0.76860	30.00000	Averaged
65 Hexane	2.62787	2.60402	0.010	0.90741	30.00000	Averaged
69 Vinyl Acetate	0.28606	0.25119	0.010	12.19123	30.00000	Averaged
70 1,1-Dichloroethane	3.41246	3.28124	0.010	3.84530	30.00000	Averaged
75 2-Butanone	0.56971	0.53699	0.010	5.74403	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.15046	2.20015	0.010	-2.31052	30.00000	Averaged
80 Tetrahydrofuran	1.14322	1.04423	0.010	8.65845	30.00000	Averaged
82 Chloroform	3.86594	4.03081	0.010	-4.26464	30.00000	Averaged
83 1,1,1-Trichloroethane	3.88657	4.01787	0.010	-3.37820	30.00000	Averaged
85 Cyclohexane	1.91390	2.01845	0.010	-5.46295	30.00000	Averaged
87 Carbon Tetrachloride	2.80007	3.33731	0.010	-19.18662	30.00000	Averaged
89 2,2,4-Trimethylpentane	6.40231	6.35019	0.010	0.81413	30.00000	Averaged
91 Benzene	1.27547	1.17152	0.010	8.14957	30.00000	Averaged
93 1,2-Dichloroethane	0.54106	0.59046	0.010	-9.13124	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 22-OCT-2007 10:14
Lab File ID: t102202.d Init. Cal. Date(s): 16-OCT-2007 19-OCT-2007
Analysis Type: AIR Init. Cal. Times: 03:04 11:31
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/22Oct2007.b/t14q1016b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.35578	0.36663	0.010	-3.04810	30.00000	Averaged
101 Trichloroethene	0.47495	0.50515	0.010	-6.35935	30.00000	Averaged
104 1,2-Dichloropropane	0.35347	0.36688	0.010	-3.79473	30.00000	Averaged
106 1,4-Dioxane	0.18826	0.16020	0.010	14.90411	30.00000	Averaged
107 Bromodichloromethane	0.79529	0.89029	0.010	-11.94486	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.44509	0.48799	0.010	-9.63964	30.00000	Averaged
111 4-Methyl-2-pentanone	0.20989	0.21054	0.010	-0.31014	30.00000	Averaged
114 Toluene	1.06814	1.09584	0.010	-2.59326	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.66432	0.75218	0.010	-13.22481	30.00000	Averaged
117 1,1,2-Trichloroethane	0.64823	0.71251	0.010	-9.91624	30.00000	Averaged
120 Tetrachloroethene	0.86107	0.95789	0.010	-11.24431	30.00000	Averaged
121 2-Hexanone	0.36953	0.37615	0.010	-1.79083	30.00000	Averaged
122 Dibromochloromethane	1.05138	1.25184	0.010	-19.06643	30.00000	Averaged
123 1,2-Dibromoethane	0.91037	1.02176	0.010	-12.23480	30.00000	Averaged
127 Chlorobenzene	1.32960	1.36467	0.010	-2.63763	30.00000	Averaged
128 Ethyl Benzene	0.65570	0.70395	0.010	-7.35857	30.00000	Averaged
129 m,p-Xylene	0.76482	0.86163	0.010	-12.65756	30.00000	Averaged
130 o-Xylene	0.68826	0.77991	0.010	-13.31683	30.00000	Averaged
131 Styrene	0.86240	1.02343	0.010	-18.67109	30.00000	Averaged
133 Bromoform	0.85119	0.99233	0.010	-16.58215	30.00000	Averaged
134 Cumene	1.91483	2.14577	0.010	-12.06013	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.18834	1.27448	0.010	-7.24857	30.00000	Averaged
142 Propylbenzene	2.08439	2.47797	0.010	-18.88231	30.00000	Averaged
145 4-Ethyltoluene	1.63257	2.08054	0.010	-27.43905	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.50248	1.93109	0.010	-28.52648	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.18362	1.45978	0.010	-23.33143	30.00000	Averaged
155 1,3-Dichlorobenzene	0.71859	0.80604	0.010	-12.16892	30.00000	Averaged
156 1,4-Dichlorobenzene	0.68702	0.76491	0.010	-11.33721	30.00000	Averaged
159 alpha-Chlorotoluene	0.71792	0.81354	0.010	-13.31857	30.00000	Averaged
161 1,2-Dichlorobenzene	0.61353	0.66214	0.010	-7.92191	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.45596	0.43803	0.010	3.93365	30.00000	Averaged
166 Hexachlorobutadiene	0.37641	0.36419	0.010	3.24746	30.00000	Averaged
29 Isopentane	1.39832	1.44854	0.010	-3.59134	30.00000	Averaged
19 Butane	0.22651	0.26463	0.010	-16.82914	30.00000	Averaged
102 Methyl Cyclohexane	2.42894	2.60360	0.010	-7.19101	30.00000	Averaged
167 Naphthalene	0.57510	0.53812	0.010	6.42949	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Oct2007.b/t102202.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 22-OCT-2007 10:14
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1576-21
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/22Oct2007.b/t14q1016b.m
Meth Date : 22-Oct-2007 12:55 dmendoza Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.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	416671	25.0000		80.00- 120.00		100.00
13.886	13.886 (1.000)	128	330826			29.40- 129.40		79.40
13.886	13.886 (1.000)	49	791406			139.94- 239.94		189.94
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	1612171	25.0000		80.00- 120.00		100.00
15.628	15.628 (1.000)	88	254157			0.00- 65.76		15.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	938644	25.0000		80.00- 120.00		100.00
20.798	20.798 (1.000)	82	558051			9.61- 109.61		59.45
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.964	14.964 (1.078)	65	776034	25.0000	28.448	80.00- 120.00		100.00
14.964	14.964 (1.078)	67	390384			2.29- 102.29		50.31
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.227	18.227 (1.166)	98	1294763	25.0000	25.490	80.00- 120.00		100.00
18.227	18.227 (1.166)	70	151228			0.00- 61.65		11.68

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	871161			17.64- 117.64	67.28
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	446101	25.0000	25.356	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	601327			84.80- 184.80	134.80
22.789	22.789 (1.096)	176	431051			46.63- 146.63	96.63
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	662466	50.0000	59.803	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	432975			23.60- 123.60	65.36
5.812	5.812 (0.419)	39	548521			34.83- 134.83	82.80
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.895	5.895 (0.425)	85	4210734	50.0000	63.570	80.00- 120.00	100.00
5.895	5.895 (0.425)	87	1374119			0.00- 82.50	32.63
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	2536479	50.0000	59.198	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	795882			0.00- 83.43	31.38
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	1019141	50.0000	64.269	80.00- 120.00	100.00
6.531	6.531 (0.470)	52	332115			0.00- 84.21	32.59
20 Vinyl Chloride					CAS #: 75-01-4		
6.863	6.863 (0.494)	62	1161309	50.0000	58.488	80.00- 120.00	100.00
6.863	6.863 (0.494)	64	388951			3.43- 103.43	33.49
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	804729	50.0000	63.324	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	793592			57.42- 157.42	98.62
25 Bromomethane					CAS #: 74-83-9		
7.914	7.914 (0.570)	94	751160	50.0000	46.615	80.00- 120.00	100.00
7.914	7.914 (0.570)	96	703748			43.69- 143.69	93.69
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	586040	50.0000	52.470	80.00- 120.00	100.00
8.190	8.190 (0.590)	49	162703			0.00- 79.16	27.76
8.190	8.190 (0.590)	66	193412			0.00- 85.06	33.00
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	4293321	50.0000	54.530	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2795391			15.11- 115.11	65.11

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.667)	45	212170	50.0000	44.008	80.00- 120.00	100.00
9.268	9.268 (0.667)	43	50414			0.00- 73.59	23.76
9.268	9.268 (0.667)	46	68207			0.00- 89.74	32.15
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	1984582	50.0000	50.683	80.00- 120.00	100.00
9.960	9.960 (0.717)	153	1250992			13.04- 113.04	63.04
9.960	9.960 (0.717)	101	2572690			79.63- 179.63	129.63
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	2043799	50.0000	49.488	80.00- 120.00	100.00
10.043	10.043 (0.723)	96	1245124			10.92- 110.92	60.92
10.043	10.043 (0.723)	98	780392			0.00- 88.18	38.18
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	534718	50.0000	45.611	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	1602917			309.64- 409.64	299.77
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	1551468	50.0000	40.412	80.00- 120.00	100.00
10.374	10.374 (0.747)	43	588880			11.77- 111.77	37.96
10.402	10.402 (0.749)	59	65341			0.00- 54.32	4.21
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	3076341	50.0000	46.897	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	666475	50.0000	46.071	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1529129			166.40- 266.40	229.44
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1246926	50.0000	46.791	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	1052467			34.40- 134.40	84.40
11.121	11.121 (0.801)	51	368978			0.00- 84.73	29.59
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	2141437	50.0000	53.880	80.00- 120.00	100.00
11.453	11.453 (0.825)	57	420964			0.00- 69.66	19.66
11.453	11.453 (0.825)	41	457966			0.00- 76.71	21.39
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1547038	50.0000	49.616	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	2108751			86.31- 186.31	136.31
11.563	11.563 (0.833)	98	977595			12.05- 112.05	63.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.923	11.923 (0.859)	57	2170042	50.0000	49.546	80.00- 120.00	100.00
11.895	11.895 (0.857)	43	1250445			8.55- 108.55	57.62
11.923	11.923 (0.859)	86	349974			0.00- 68.53	16.13
69 Vinyl Acetate					CAS #: 108-05-4		
12.393	12.393 (0.892)	86	209327	50.0000	43.904	80.00- 120.00	100.00
12.365	12.365 (0.890)	43	2119676			909.16-1009.16	1012.61
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	2734394	50.0000	48.077	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	878079			0.00- 82.11	32.11
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	447494	50.0000	47.128	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	1632638			314.84- 414.84	364.84
13.416	13.416 (0.966)	57	140113			0.00- 81.46	31.31
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	1833477	50.0000	51.155	80.00- 120.00	100.00
13.443	13.443 (0.968)	96	1444013			28.76- 128.76	78.76
13.443	13.443 (0.968)	98	909934			0.00- 99.63	49.63
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	870203	50.0000	45.671	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	423167			0.00- 98.63	48.63
13.886	13.886 (1.000)	72	443271			0.00- 99.62	50.94
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	3359040	50.0000	52.132	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	2089731			12.21- 112.21	62.21
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.301	14.301 (1.030)	97	3348260	50.0000	51.689	80.00- 120.00	100.00
14.301	14.301 (1.030)	99	2183645			15.22- 115.22	65.22
85 Cyclohexane					CAS #: 110-82-7		
14.301	14.301 (1.030)	84	1682060	50.0000	52.731	80.00- 120.00	100.00
14.301	14.301 (1.030)	56	1708189			51.55- 151.55	101.55
14.301	14.301 (1.030)	41	965783			7.42- 107.42	57.42
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	2781121	50.0000	59.593	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	2884544			53.72- 153.72	103.72
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.909	14.909 (1.074)	57	5291878	50.0000	49.593	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.909	14.909 (1.074)	56	1719674			0.00- 83.59	32.50
14.909	14.909 (1.074)	41	1471717			0.00- 78.79	27.81
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	3777386	50.0000	45.925	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	840208			0.00- 74.27	22.24
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	1903847	50.0000	54.566	80.00- 120.00	100.00
15.102	15.102 (0.966)	64	606125			0.00- 85.54	31.84
94 Heptane					CAS #: 142-82-5		
15.213	15.213 (0.973)	71	1182137	50.0000	51.524	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1732973			98.61- 198.61	146.60
15.185	15.185 (0.972)	57	1022766			35.66- 135.66	86.52
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1628781	50.0000	53.180	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1497788			41.96- 141.96	91.96
16.098	16.098 (1.030)	97	1046482			14.25- 114.25	64.25
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1182950	50.0000	51.897	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	845156			21.44- 121.44	71.44
16.568	16.568 (1.060)	41	754360			13.77- 113.77	63.77
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	516538	50.0000	42.548	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	322799			12.49- 112.49	62.49
16.706	16.706 (1.069)	57	118041			0.00- 72.52	22.85
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	2870605	50.0000	55.972	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1763314			11.43- 111.43	61.43
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1573460	50.0000	54.820	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	510535			0.00- 82.45	32.45
17.784	17.784 (1.138)	39	789571			0.18- 100.18	50.18
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	678852	50.0000	50.155	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	1661262			185.61- 285.61	244.72
17.978	17.978 (1.150)	85	318300			0.00- 97.09	46.89

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	3533367	50.0000	51.297	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2185698			11.86- 111.86	61.86
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1412052	50.0000	56.612	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	448668			0.00- 81.77	31.77
18.780	18.780 (0.903)	39	656448			0.00- 96.49	46.49
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	1337581	50.0000	54.958	80.00- 120.00	100.00
19.112	19.112 (0.919)	99	849387			13.50- 113.50	63.50
19.112	19.112 (0.919)	83	1140462			35.26- 135.26	85.26
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1798244	50.0000	55.622	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1378214			26.64- 126.64	76.64
19.277	19.277 (0.927)	131	1311328			22.92- 122.92	72.92
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	706136	50.0000	50.895	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	1238113			125.34- 225.34	175.34
19.443	19.443 (0.935)	100	132159			0.00- 70.88	18.72
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2350071	50.0000	59.533	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1827338			26.95- 126.95	77.76
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	1918132	50.0000	56.117	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	1813126			44.53- 144.53	94.53
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2561874	50.0000	51.319	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	814558			0.00- 81.80	31.80
20.853	20.853 (1.003)	77	1562483			10.99- 110.99	60.99
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	1321519	50.0000	53.679	80.00- 120.00	100.00
20.936	20.936 (1.007)	91	4281688			269.09- 369.09	324.00
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	1617519	50.0000	56.329	80.00- 120.00	100.00
21.158	21.158 (1.017)	91	3291623			151.96- 251.96	203.50
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1464122	50.0000	56.658	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	3168281			166.39- 266.39	216.39
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	1921264	50.0000	59.336	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1090976			6.78- 106.78	56.78
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	1862892	50.0000	58.291	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	960746			1.57- 101.57	51.57
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	4028219	50.0000	56.030	80.00- 120.00	100.00
22.430	22.430 (1.078)	120	1014960			0.00- 75.31	25.20
22.430	22.430 (1.078)	51	369651			0.00- 60.20	9.18
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2392561	50.0000	53.624	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1481475			11.92- 111.92	61.92
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	4651864	50.0000	59.441	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	979589			0.00- 71.70	21.06
23.121	23.121 (1.112)	105	168650			0.00- 53.96	3.63
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	3905767	50.0000	63.720	80.00- 120.00	100.00
23.287	23.287 (1.120)	120	1124839			0.00- 78.80	28.80
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	3625208	50.0000	64.263	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1674669			0.00- 95.79	46.20
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	2740429	50.0000	61.666	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1204508			0.00- 96.64	43.95
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1513167	50.0000	56.084	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	958950			13.33- 113.33	63.37
24.586	24.586 (1.182)	111	639083			0.00- 92.09	42.23
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	1435962	50.0000	55.669	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	892839			14.12- 114.12	62.18
24.724	24.724 (1.189)	111	582486			0.00- 90.47	40.56

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	1527241	50.0000	56.659	80.00- 120.00	100.00
24.946	24.946 (1.199)	126	292354			0.00- 70.20	19.14
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1243020	50.0000	53.961	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	786460			13.27- 113.27	63.27
25.360	25.360 (1.219)	111	555305			0.00- 94.67	44.67
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	822303	50.0000	48.033	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	802843			47.63- 147.63	97.63
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	683687	50.0000	48.376	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	420374			13.03- 113.03	61.49
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1207129	50.0000	51.796	80.00- 120.00	100.00
8.273	8.273 (0.596)	57	914072			23.83- 123.83	75.72
19 Butane					CAS #: 106-97-8		
6.808	6.808 (0.490)	58	220528	50.0000	58.414	80.00- 120.00	100.00
6.808	6.808 (0.490)	43	1616450			695.45- 795.45	732.99
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	2169693	50.0000	53.596	80.00- 120.00	100.00
16.374	16.374 (1.179)	98	973303			0.00- 96.80	44.86
16.374	16.374 (1.179)	55	1578536			23.37- 123.37	72.75
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1010206	50.0000	46.785	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	126302			0.00- 64.10	12.50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t102202.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 22-OCT-2007
Calibration Time: 12:26
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	414378	248627	580129	416671	0.55
97 1,4-Difluorobenze	1507625	904575	2110675	1612171	6.93
126 Chlorobenzene-d5	898091	538855	1257327	938644	4.52

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.65	15.32	15.98	15.63	-0.17
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

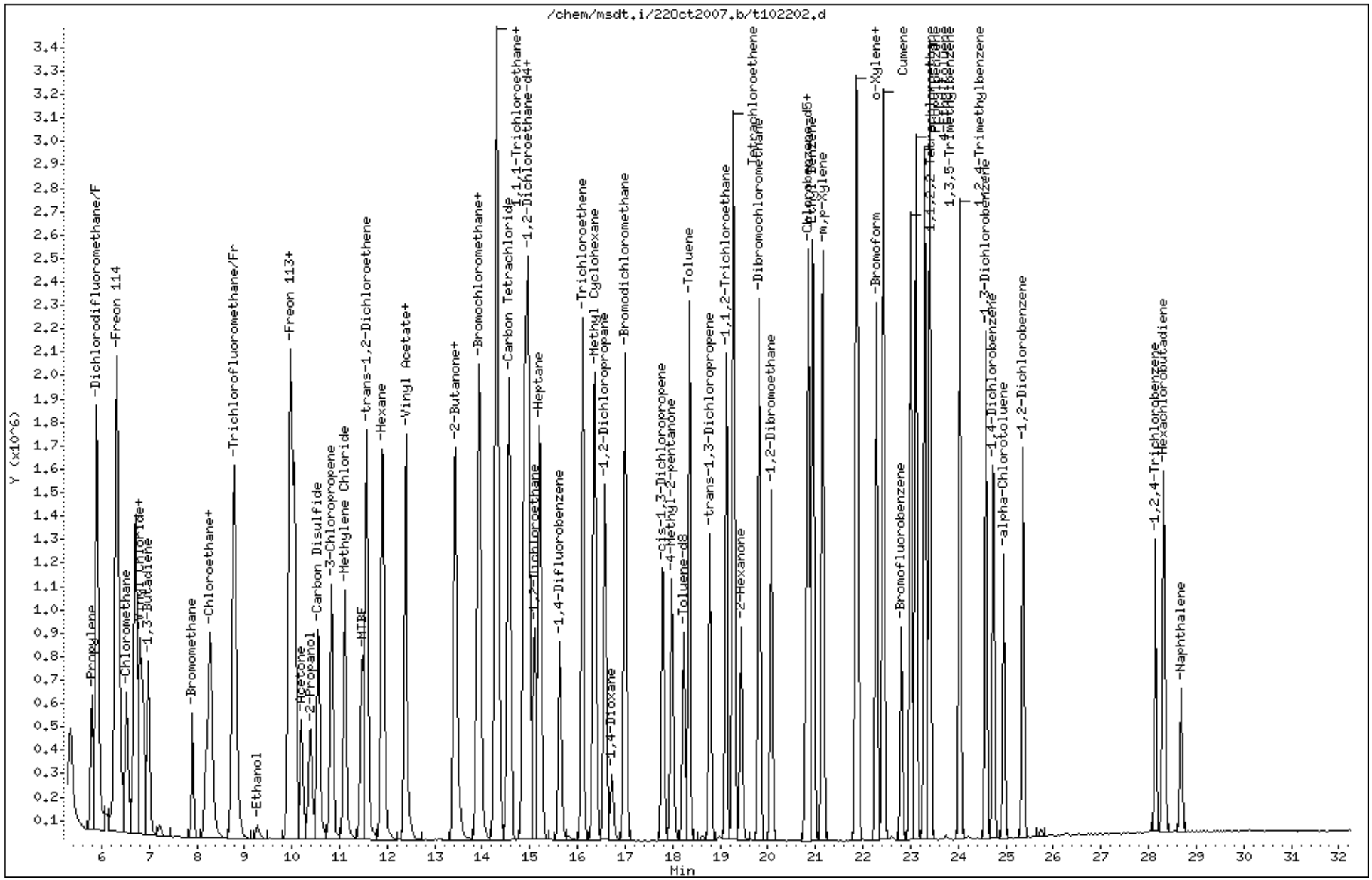
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0201

Data File: /chem/msdt.i/22Oct2007.b/t102202.d
Date : 22-OCT-2007 10:14
Client ID: CCV-1
Sample Info: 50mL #1576-21

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

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710302-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 11:07 AM**	

Compound	%Recovery
Freon 12	117
Freon 114	115
Vinyl Chloride	114
Bromomethane	89
Chloroethane	100
Freon 11	108
1,1-Dichloroethene	107
Freon 113	109
Methylene Chloride	96
1,1-Dichloroethane	98
cis-1,2-Dichloroethene	103
Chloroform	105
1,1,1-Trichloroethane	106
Carbon Tetrachloride	125
Benzene	92
1,2-Dichloroethane	110
Trichloroethene	107
1,2-Dichloropropane	106
cis-1,3-Dichloropropene	112
Toluene	111
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	107
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	109
Chlorobenzene	104
Ethyl Benzene	109
m,p-Xylene	113
o-Xylene	115
Styrene	118
1,1,2,2-Tetrachloroethane	109
1,3,5-Trimethylbenzene	128
1,2,4-Trimethylbenzene	127
1,3-Dichlorobenzene	115
1,4-Dichlorobenzene	113
alpha-Chlorotoluene	118
1,2-Dichlorobenzene	110
1,3-Butadiene	118
Hexane	101
Cyclohexane	107

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0710302-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t102203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/22/07 11:07 AM**	

Compound	**%Recovery**
Heptane	102
Bromodichloromethane	114
Dibromochloromethane	116
Cumene	118
Propylbenzene	123
Chloromethane	129
1,2,4-Trichlorobenzene	95
Hexachlorobutadiene	89
Acetone	96
Carbon Disulfide	96
2-Propanol	83
trans-1,2-Dichloroethene	95
2-Butanone (Methyl Ethyl Ketone)	103
Tetrahydrofuran	97
1,4-Dioxane	106
4-Methyl-2-pentanone	113
2-Hexanone	105
Bromoform	121
4-Ethyltoluene	132
Ethanol	97
Methyl tert-butyl ether	117
3-Chloropropene	92
2,2,4-Trimethylpentane	101
Naphthalene	85

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	99	70-130

Report Date: 22-Oct-2007 12:52

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 22Oct2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04ENSR.sub
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 100ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	58.466	116.93	70-130
16 Freon 114	50.000	57.429	114.86	70-130
18 Chloromethane	50.000	64.320	128.64	70-130
20 Vinyl Chloride	50.000	57.104	114.21	70-130
22 1,3-Butadiene	50.000	58.912	117.82	60-140
25 Bromomethane	50.000	44.630	89.26	70-130
27 Chloroethane	50.000	49.920	99.84	70-130
31 Trichlorofluoromet	50.000	53.968	107.94	70-130
38 Ethanol	50.000	48.620	97.24	60-140
42 Freon 113	50.000	54.703	109.41	70-130
43 1,1-Dichloroethene	50.000	53.423	106.85	70-130
45 Acetone	50.000	47.825	95.65	60-140
47 Carbon Disulfide	50.000	47.860	95.72	60-140
46 2-Propanol	50.000	41.635	83.27	60-140
54 Methylene Chloride	50.000	48.103	96.21	70-130
60 MTBE	50.000	58.554	117.11	60-140
61 trans-1,2-Dichloro	50.000	47.560	95.12	60-140
65 Hexane	50.000	50.428	100.86	60-140
70 1,1-Dichloroethane	50.000	48.758	97.52	70-130
76 cis-1,2-Dichloroet	50.000	51.683	103.37	70-130
75 2-Butanone	50.000	51.546	103.09	60-140
80 Tetrahydrofuran	50.000	48.384	96.77	60-140
82 Chloroform	50.000	52.408	104.82	70-130
85 Cyclohexane	50.000	53.647	107.29	60-140
83 1,1,1-Trichloroeth	50.000	52.785	105.57	70-130
87 Carbon Tetrachlori	50.000	62.339	124.68	70-130
91 Benzene	50.000	45.953	91.91	70-130
93 1,2-Dichloroethane	50.000	55.248	110.50	70-130
94 Heptane	50.000	51.271	102.54	60-140
101 Trichloroethene	50.000	53.457	106.91	70-130
104 1,2-Dichloropropan	50.000	52.813	105.63	70-130
106 1,4-Dioxane	50.000	52.843	105.69	60-140
107 Bromodichlorometha	50.000	57.006	114.01	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	56.142	112.28	70-130
111 4-Methyl-2-pentano	50.000	56.401	112.80	60-140
114 Toluene	50.000	55.375	110.75	70-130
116 trans-1,3-Dichloro	50.000	56.223	112.45	70-130
117 1,1,2-Trichloroeth	50.000	53.628	107.26	70-130
120 Tetrachloroethene	50.000	53.973	107.95	70-130
121 2-Hexanone	50.000	52.535	105.07	60-140
122 Dibromochlorometha	50.000	57.935	115.87	60-140
123 1,2-Dibromoethane	50.000	54.488	108.98	70-130
127 Chlorobenzene	50.000	51.840	103.68	70-130
128 Ethyl Benzene	50.000	54.745	109.49	70-130
129 m,p-Xylene	50.000	56.613	113.23	70-130
130 o-Xylene	50.000	57.548	115.10	70-130
131 Styrene	50.000	59.148	118.30	70-130
133 Bromoform	50.000	60.487	120.97	60-140
140 1,1,2,2-Tetrachlor	50.000	54.542	109.08	70-130
145 4-Ethyltoluene	50.000	66.191	132.38	60-140
147 1,3,5-Trimethylben	50.000	64.284	128.57	70-130
150 1,2,4-Trimethylben	50.000	63.542	127.08	70-130
155 1,3-Dichlorobenzen	50.000	57.705	115.41	70-130
156 1,4-Dichlorobenzen	50.000	56.596	113.19	70-130
159 alpha-Chlorotoluen	50.000	58.983	117.97	70-130
161 1,2-Dichlorobenzen	50.000	55.175	110.35	70-130
165 1,2,4-Trichloroben	50.000	47.364	94.73	70-130
166 Hexachlorobutadien	50.000	44.466	88.93	70-130
142 Propylbenzene	50.000	61.611	123.22	60-140
134 Cumene	50.000	59.192	118.38	60-140
51 3-Chloropropene	50.000	45.940	91.88	60-140
89 2,2,4-Trimethylpen	50.000	50.468	100.94	60-140
19 Butane	50.000	56.296	112.59	70-130
29 Isopentane	50.000	51.920	103.84	70-130
102 Methyl Cyclohexane	50.000	55.598	111.20	70-130
11 Propylene	50.000	59.277	118.55	60-140
167 Naphthalene	50.000	42.366	84.73	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	28.445	113.78	70-130
$ 113 Toluene-d8	25.000	25.645	102.58	70-130
$ 137 Bromofluorobenzene	25.000	24.834	99.34	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Oct2007.b/t102203.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 22-OCT-2007 11:07
Operator : cb Inst ID: msdt.i
Smp Info : 100mL #1443-347A
Misc Info : 100ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/22Oct2007.b/t14q1016b.m
Meth Date : 22-Oct-2007 11:43 dmendoza Quant Type: ISTD
Cal Date : 19-OCT-2007 11:31 Cal File: t101905.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	398539	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	298485			29.40- 129.40	74.89
13.886	13.886 (1.000)	49	741534			139.94- 239.94	186.06
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	1569587	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	239983			0.00- 65.76	15.29
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	975098	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	577489			9.61- 109.61	59.22
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.936	14.964 (1.076)	65	742181	28.4452	28.445	80.00- 120.00	100.00
14.936	14.964 (1.076)	67	373778			2.29- 102.29	50.36
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	1268225	25.6449	25.645	80.00- 120.00	100.00
18.227	18.227 (1.166)	70	148475			0.00- 61.65	11.71

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.227	18.227 (1.166)	100	857155			17.64- 117.64	67.59
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	453885	24.8343	24.834	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	630975			84.80- 184.80	139.02
22.789	22.789 (1.096)	176	448577			46.63- 146.63	98.83
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	628058	59.2768	59.277	80.00- 120.00	100.00
5.812	5.812 (0.419)	42	432144			23.60- 123.60	68.81
5.812	5.812 (0.419)	39	504751			34.83- 134.83	80.37
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.923	5.895 (0.427)	85	3704176	58.4663	58.466	80.00- 120.00	100.00
5.923	5.895 (0.427)	87	1192703			0.00- 82.50	32.20
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	2353606	57.4290	57.429	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	737936			0.00- 83.43	31.35
18 Chloromethane					CAS #: 74-87-3		
6.559	6.531 (0.472)	50	975561	64.3197	64.320	80.00- 120.00	100.00
6.559	6.531 (0.472)	52	327944			0.00- 84.21	33.62
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.863 (0.496)	62	1084487	57.1038	57.104	80.00- 120.00	100.00
6.890	6.863 (0.496)	64	361676			3.43- 103.43	33.35
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	716079	58.9118	58.912	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	723679			57.42- 157.42	101.06
25 Bromomethane					CAS #: 74-83-9		
7.913	7.914 (0.570)	94	687876	44.6301	44.630	80.00- 120.00	100.00
7.913	7.914 (0.570)	96	638014			43.69- 143.69	92.75
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	533299	49.9200	49.920	80.00- 120.00	100.00
8.190	8.190 (0.590)	49	153975			0.00- 79.16	28.87
8.190	8.190 (0.590)	66	179367			0.00- 85.06	33.63
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	4064089	53.9675	53.968	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2627375			15.11- 115.11	64.65

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.268	9.268 (0.667)	45	224207	48.6205	48.620	80.00- 120.00	100.00
9.268	9.268 (0.667)	43	51550			0.00- 73.59	22.99
9.268	9.268 (0.667)	46	92532			0.00- 89.74	41.27
42 Freon 113					CAS #: 76-13-1		
9.959	9.960 (0.717)	151	2048784	54.7029	54.703	80.00- 120.00	100.00
9.959	9.960 (0.717)	153	1294392			13.04- 113.04	63.18
9.959	9.960 (0.717)	101	2641347			79.63- 179.63	128.92
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.043 (0.723)	61	2110304	53.4230	53.423	80.00- 120.00	100.00
10.042	10.043 (0.723)	96	1250152			10.92- 110.92	59.24
10.042	10.043 (0.723)	98	808575			0.00- 88.18	38.32
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	536275	47.8248	47.825	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	1586362			309.64- 409.64	295.81
46 2-Propanol					CAS #: 67-63-0		
10.374	10.402 (0.747)	45	1528879	41.6353	41.635	80.00- 120.00	100.00
10.374	10.402 (0.747)	43	603333			11.77- 111.77	39.46
10.402	10.402 (0.749)	59	64637			0.00- 54.32	4.23
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	3002899	47.8599	47.860	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.817	10.817 (0.779)	76	635663	45.9403	45.940	80.00- 120.00	100.00
10.817	10.817 (0.779)	41	1435235			166.40- 266.40	225.79
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1226106	48.1035	48.103	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	1042188			34.40- 134.40	85.00
11.121	11.121 (0.801)	51	369027			0.00- 84.73	30.10
60 MTBE					CAS #: 1634-04-4		
11.453	11.480 (0.825)	73	2225957	58.5544	58.554	80.00- 120.00	100.00
11.453	11.480 (0.825)	57	437322			0.00- 69.66	19.65
11.453	11.480 (0.825)	41	447995			0.00- 76.71	20.13
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1418413	47.5602	47.560	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	1963464			86.31- 186.31	138.43
11.563	11.563 (0.833)	98	903920			12.05- 112.05	63.73

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	11.923 (0.857)	57	2112562	50.4284	50.428	80.00- 120.00	100.00
11.895	11.923 (0.857)	43	1227059			8.55- 108.55	58.08
11.895	11.923 (0.857)	86	354737			0.00- 68.53	16.79
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.393 (0.890)	86	220100	48.2642	48.264	80.00- 120.00	100.00
12.365	12.393 (0.890)	43	2147395			909.16-1009.16	975.65
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	2652405	48.7575	48.758	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	862685			0.00- 82.11	32.52
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	468146	51.5461	51.546	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	1675017			314.84- 414.84	357.80
13.416	13.416 (0.966)	57	136337			0.00- 81.46	29.12
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.416	13.443 (0.966)	61	1771782	51.6830	51.683	80.00- 120.00	100.00
13.443	13.443 (0.968)	96	1390756			28.76- 128.76	78.49
13.443	13.443 (0.968)	98	882023			0.00- 99.63	49.78
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	881780	48.3839	48.384	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	414906			0.00- 98.63	47.05
13.886	13.886 (1.000)	72	461263			0.00- 99.62	52.31
82 Chloroform					CAS #: 67-66-3		
13.941	13.941 (1.004)	83	3229871	52.4082	52.408	80.00- 120.00	100.00
13.941	13.941 (1.004)	85	1997368			12.21- 112.21	61.84
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.301 (1.030)	97	3270443	52.7848	52.785	80.00- 120.00	100.00
14.300	14.301 (1.030)	99	2103947			15.22- 115.22	64.33
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.301 (1.030)	84	1636789	53.6468	53.647	80.00- 120.00	100.00
14.300	14.301 (1.030)	56	1695763			51.55- 151.55	103.60
14.300	14.301 (1.030)	41	937237			7.42- 107.42	57.26
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	2782667	62.3392	62.339	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	2867667			53.72- 153.72	103.05
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.909 (1.072)	57	5150905	50.4680	50.468	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
89 2,2,4-Trimethylpentane (continued)							
14.881	14.909 (1.072)	56	1672719			0.00- 83.59	32.47
14.881	14.909 (1.072)	41	1425529			0.00- 78.79	27.68
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	3679869	45.9534	45.953	80.00- 120.00	100.00
14.964	14.964 (0.958)	77	834630			0.00- 74.27	22.68
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.075	15.102 (0.965)	62	1876750	55.2483	55.248	80.00- 120.00	100.00
15.102	15.102 (0.966)	64	616119			0.00- 85.54	32.83
94 Heptane					CAS #: 142-82-5		
15.185	15.213 (0.972)	71	1145260	51.2710	51.271	80.00- 120.00	100.00
15.185	15.213 (0.972)	43	1733651			98.61- 198.61	151.38
15.185	15.213 (0.972)	57	1034134			35.66- 135.66	90.30
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	1594018	53.4567	53.457	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	1508455			41.96- 141.96	94.63
16.098	16.098 (1.030)	97	1039098			14.25- 114.25	65.19
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	1172019	52.8128	52.813	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	849035			21.44- 121.44	72.44
16.568	16.568 (1.060)	41	739285			13.77- 113.77	63.08
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	624581	52.8434	52.843	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	391578			12.49- 112.49	62.69
16.706	16.706 (1.069)	57	138483			0.00- 72.52	22.17
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	2846414	57.0065	57.006	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1746555			11.43- 111.43	61.36
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1568858	56.1424	56.142	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	496682			0.00- 82.45	31.66
17.784	17.784 (1.138)	39	806386			0.18- 100.18	51.40
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	743233	56.4015	56.401	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	1760862			185.61- 285.61	236.92
17.978	17.978 (1.150)	85	335338			0.00- 97.09	45.12

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	3713566	55.3754	55.375	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	2298884			11.86- 111.86	61.91
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1456806	56.2232	56.223	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	465522			0.00- 81.77	31.95
18.780	18.780 (0.903)	39	678612			0.00- 96.49	46.58
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.112 (0.919)	97	1355908	53.6284	53.628	80.00- 120.00	100.00
19.111	19.112 (0.919)	99	849894			13.50- 113.50	62.68
19.111	19.112 (0.919)	83	1155437			35.26- 135.26	85.21
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1812696	53.9730	53.973	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	1364900			26.64- 126.64	75.30
19.277	19.277 (0.927)	131	1303791			22.92- 122.92	71.93
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	757187	52.5347	52.535	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	1348181			125.34- 225.34	178.05
19.443	19.443 (0.935)	100	156111			0.00- 70.88	20.62
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	2375815	57.9353	57.935	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1866424			26.95- 126.95	78.56
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	1934752	54.4875	54.488	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	1794319			44.53- 144.53	92.74
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2688374	51.8395	51.840	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	873919			0.00- 81.80	32.51
20.853	20.853 (1.003)	77	1648996			10.99- 110.99	61.34
128 Ethyl Benzene					CAS #: 100-41-4		
20.936	20.964 (1.007)	106	1400096	54.7449	54.745	80.00- 120.00	100.00
20.936	20.964 (1.007)	91	4436526			269.09- 369.09	316.87
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	1688807	56.6127	56.613	80.00- 120.00	100.00
21.130	21.158 (1.016)	91	3460521			151.96- 251.96	204.91
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1544852	57.5475	57.548	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	3375129			166.39- 266.39	218.48
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	1989564	59.1478	59.148	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1160312			6.78- 106.78	58.32
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	2008140	60.4869	60.487	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	1009521			1.57- 101.57	50.27
134 Cumene					CAS #: 98-82-8		
22.429	22.430 (1.078)	105	4420787	59.1916	59.192	80.00- 120.00	100.00
22.429	22.430 (1.078)	120	1104155			0.00- 75.31	24.98
22.429	22.430 (1.078)	51	412471			0.00- 60.20	9.33
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2528010	54.5419	54.542	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1575598			11.92- 111.92	62.33
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	5008955	61.6113	61.611	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	1064765			0.00- 71.70	21.26
23.121	23.121 (1.112)	105	179222			0.00- 53.96	3.58
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	4214823	66.1909	66.191	80.00- 120.00	100.00
23.287	23.287 (1.120)	120	1208231			0.00- 78.80	28.67
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	3767240	64.2844	64.284	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1739116			0.00- 95.79	46.16
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	2933464	63.5417	63.542	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1277658			0.00- 96.64	43.55
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1617347	57.7047	57.705	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	1029782			13.33- 113.33	63.67
24.586	24.586 (1.182)	111	679615			0.00- 92.09	42.02
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	1516571	56.5956	56.596	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	977705			14.12- 114.12	64.47
24.724	24.752 (1.189)	111	611695			0.00- 90.47	40.33

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.946 (1.199)	91	1651629	58.9832	58.983	80.00- 120.00	100.00
24.945	24.946 (1.199)	126	321152			0.00- 70.20	19.44
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1320354	55.1753	55.175	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	850589			13.27- 113.27	64.42
25.360	25.360 (1.219)	111	566757			0.00- 94.67	42.92
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	842329	47.3635	47.364	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	809077			47.63- 147.63	96.05
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	652829	44.4659	44.466	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	407024			13.03- 113.03	62.35
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	1157363	51.9197	51.920	80.00- 120.00	100.00
8.301	8.273 (0.598)	57	870482			23.83- 123.83	75.21
19 Butane					CAS #: 106-97-8		
6.835	6.808 (0.492)	58	203283	56.2964	56.296	80.00- 120.00	100.00
6.807	6.808 (0.490)	43	1502230			695.45- 795.45	738.98
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.347	16.374 (1.177)	83	2152797	55.5975	55.598	80.00- 120.00	100.00
16.347	16.374 (1.177)	98	944206			0.00- 96.80	43.86
16.347	16.374 (1.177)	55	1571419			23.37- 123.37	72.99
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	950310	42.3660	42.366	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	116289			0.00- 64.10	12.24

Report Date: 22-Oct-2007 12:52

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t102203.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Oct2007.b/t14q1016b.m
Misc Info: 100ppbv --> 50ppbv

Calibration Date: 22-OCT-2007
Calibration Time: 10:14
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	416671	250003	583339	398539	-4.35
97 1,4-Difluorobenze	1612171	967303	2257039	1569587	-2.64
126 Chlorobenzene-d5	938644	563186	1314102	975098	3.88

		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.

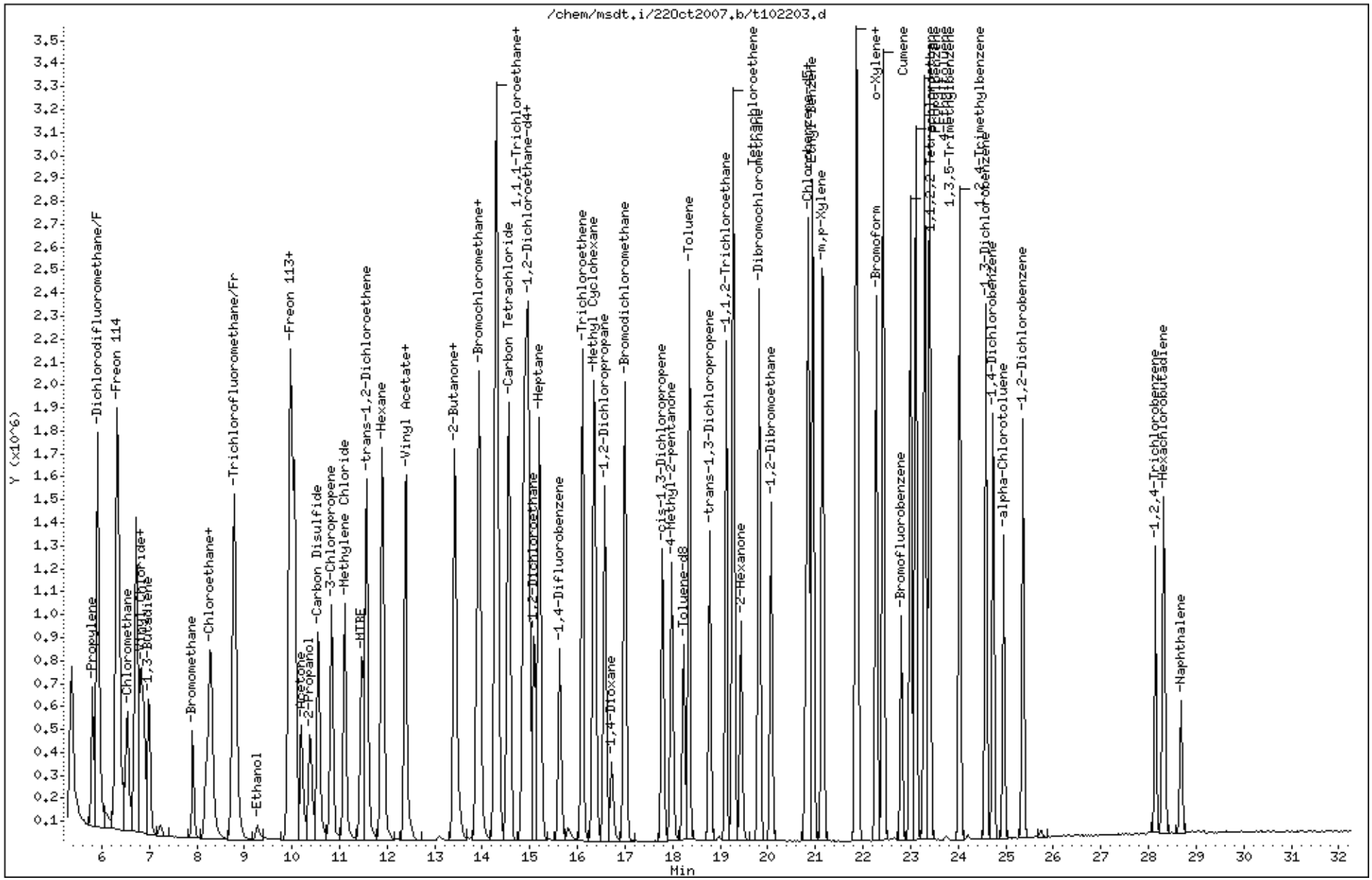
0215

Data File: /chem/msdt.i/22Oct2007.b/t102203.d
Date : 22-OCT-2007 11:07
Client ID: LCS-1
Sample Info: 100mL #1443-347A

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



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MSD-T

Logbook #: 1599

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	20.66
75	30.0 – 60.0% of mass 95	53.91
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.51
173	Less than 2.0% of mass 174	(0.77)[1]
174	Greater than 50.0% of mass 95	65.11
175	5.0 – 9.0% of mass 174	(7.12)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.32)[1]
177	5.0 – 9.0% of mass 176	(6.51)[2]

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

Verify 176/174 m/z Ratio: 886073 / 919946 x 100 = 96.32%

BFB Injection Date: 10/22/07

BFB Injection Time: 0958

BFB File ID: T102201

Tekmar Purge Flow: N/A

Vacuum: 2.20 x 10^{-5} torr

0216

IS/S Std.#:	1443-355	Exp. Date: 1/5/08
BCM	416671	
1,4-DFB	1612171	
CB-d5	938644	

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

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

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1294763\ )}{(\ 1612171\ )} \times \frac{(\ 25.0\ )}{(\ 0.78768\ )} =$ 25.490

Reported Result 25.490

File ID:	T102202
Compound:	toluene-d8
Initials:	CB

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T102201	BFB Tune Check	1476-58	50mg	2uL	1.00	10/22/07	0958	CB	
2	✓	02	CCV-1 (200ppbv)	1576-21	50ppbv	50mL			1014	CB	
3	✓	03	LCS-1 (100ppbv)	1443-347A	50ppbv	100mL*			1107	CB	
4	✓	04	CCVsp (200ppbv)	1487-400	50ppbv	50mL			1147	CB	SP22bCCV
5	✓	05	CCVsp (200ppbv)	1443-361	50ppbv	50mL			1226	CB	SP20aCCV
6	✓	06	Lab Blank	31437	Humid	200mL	↓		1316	CB	
7	✓	07	071026OA-01A	1563	0.4psi-5psi	200mL	1.30		1415	CB	
8	✓	08	↓ -02A	12939	0.2psi-5psi	200mL	1.32		1515	CB	
9	✓	09	071051R - 05A	1L Bag	Inf	100mL	2000	↓	1620	CB	1000X

Signature

10/22/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

10	✓	TO2210	0710319-05A	1485	[illegible]	100ml	2000	10/22/07	1714	GS	100X	
11	✓	11	0710302-01A	34265	[illegible]	200ml	2.59		1835	GS		
12	✓	12	↓ 02A	4202	[illegible]	200ml	1.79		1913	GS		
13	X	13	0710305-01A	34086	[illegible]	40ml	1561		1951	GS	RR@200ml	
14	✓	14	0710305-01AA	↓	↓	20ml	1551		2033	GS		
15	X	15	02A	31774	3.0"Hg-15psi	50ml	7.32		2111	GS		
16	✓	16	02A	34274	3.0"Hg-15psi	200ml	1.83		2159	CT		
17	X	17	03A	1042	1.0"Hg-15psi	25mL	16.7	↓	2323	CT	RR@40mL	
18	X	18	04A	9517	0.5"Hg-15psi	50mL	8.20	10/23/07	0006	CT	RR@75mL 100mL	
19	✓	19	04AA	↓	↓	↓	↓		0056	CT	RR@100mL	
20	✓	20	0710315-01A	5843	3.0"Hg-15psi	200mL	2.24		0154	CT		
21	✓	21	0710378-01A	12027	1.5"Hg-15psi	200mL	2.13		0251	CT		
22	✓	22	-02A	35550	0.5"Hg-15psi	40mL	10.2		0330	CT		
23	✓	23	-03A	2175	1.5"Hg-15psi	100mL	4.26		0436	CT		
24	✓	24	0710353-01A	1404	0.5"Hg-15psi	25mL	16.4		0527	CT		
25	✓	25	↓ -01A	↓	↓	200mL	2.05	↓	0751	CB		
26												
27												
28												
29												
30												
31												
32												

0217

Comments:

CB 10/23/07

Signature

10/23/07
Date

Air Toxics Ltd.

Data file : /chem/msdt.i/16Oct2007.b/t101601.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 16-OCT-2007 00:57
Operator : ab Inst ID: msdt.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1467-58
Comment :
Method : /chem/msdt.i/16Oct2007.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	2444998			100.00- 100.00	100.00
8.110	8.228	-0.118	50	460893			15.00- 40.00	18.85
8.110	8.228	-0.118	75	1228387			30.00- 60.00	50.24
8.110	8.228	-0.118	96	159155			5.00- 9.00	6.51
8.110	8.228	-0.118	173	12348			0.00- 2.00	0.76
8.110	8.228	-0.118	174	1626686			50.00- 100.00	66.53
8.110	8.228	-0.118	175	116272			5.00- 9.00	7.15
8.110	8.228	-0.118	176	1559552			95.00- 101.00	95.87
8.110	8.228	-0.118	177	100203			5.00- 9.00	6.43

Data File: /chem/msdt.i/16Oct2007.b/t101601.d

Date : 16-OCT-2007 00:57

Client ID: BFB

Instrument: msdt.i

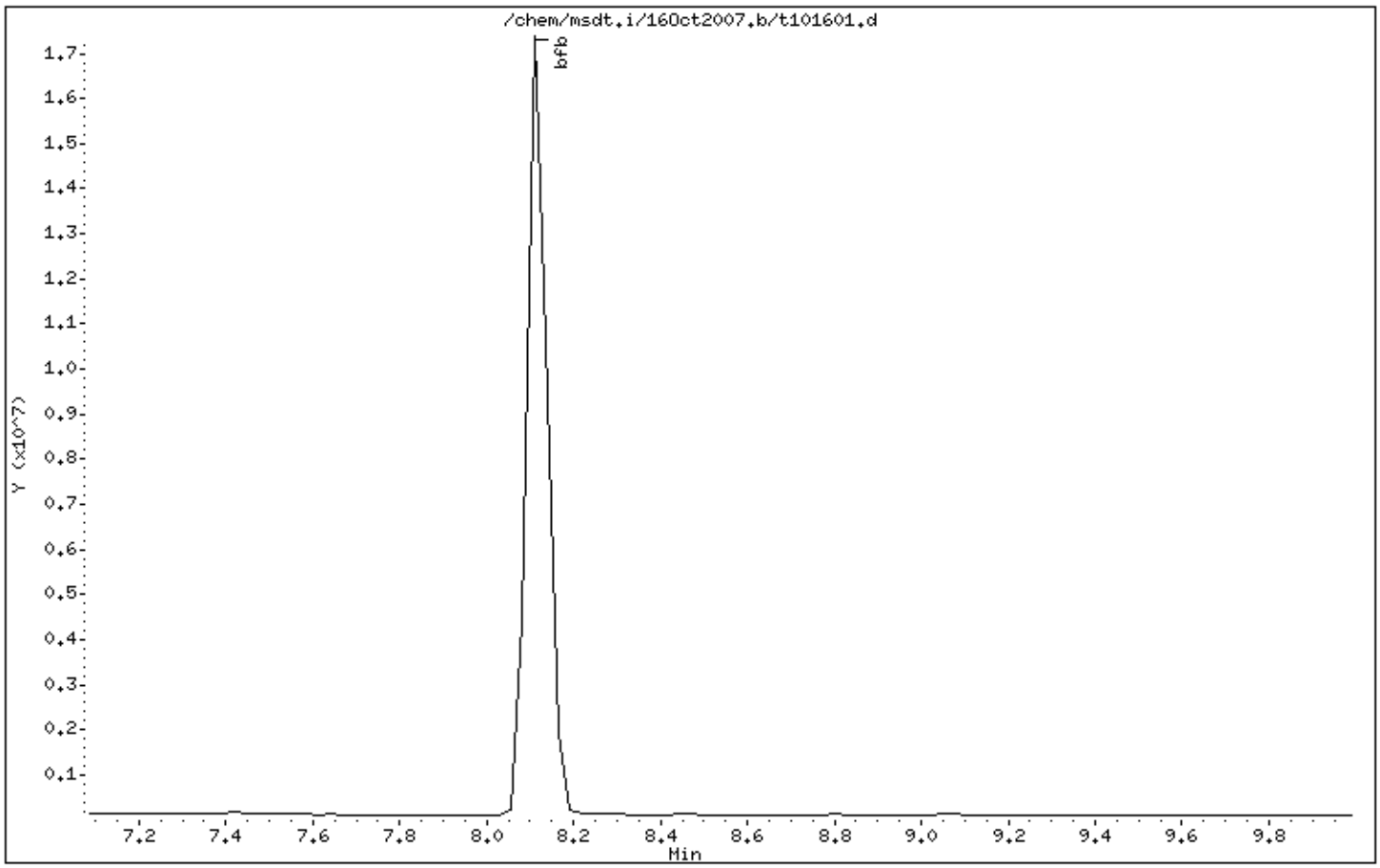
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: ab

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/16Oct2007.b/t101601.d

Date : 16-OCT-2007 00:57

Client ID: BFB

Instrument: msdt.i

Sample Info: BFB Tune Check

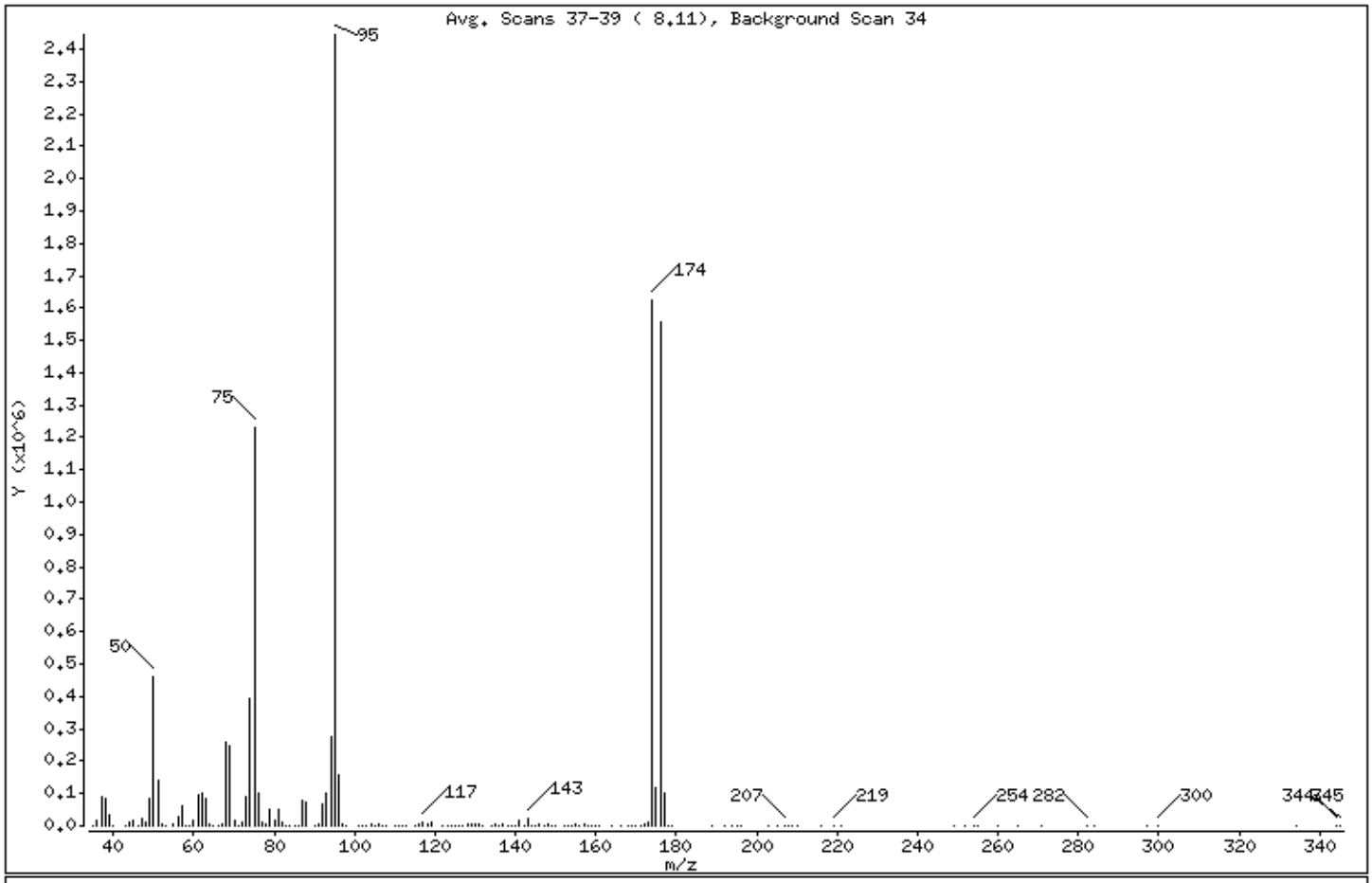
Volume Injected (uL): 1.0

Operator: ab

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	18.85
75	30.00 - 60.00% of mass 95	50.24
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.51 (0.76)
174	50.00 - 100.00% of mass 95	66.53
175	5.00 - 9.00% of mass 174	4.76 (7.15)
176	95.00 - 101.00% of mass 174	63.79 (95.87)
177	5.00 - 9.00% of mass 176	4.10 (6.43)

Date : 16-OCT-2007 00:57

Client ID: BFB Instrument: msdt.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ab

Column phase: Column diameter: 2.00

Data File: t101601.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	99	78.00	5648	125.00	745	171.00	653
36.00	14977	79.00	49888	126.00	1031	172.00	2820
37.00	91672	80.00	14685	127.00	530	173.00	12348
38.00	83744	81.00	53144	128.00	7100	174.00	1626624
39.00	32752	82.00	10069	129.00	3899	175.00	116272
40.00	1326	83.00	971	130.00	7226	176.00	1559552
43.00	912	84.00	135	131.00	2900	177.00	100200
44.00	10561	85.00	233	132.00	141	178.00	2478
45.00	18712	86.00	1799	134.00	380	179.00	44
46.00	1037	87.00	77872	135.00	3349	189.00	144
47.00	19872	88.00	73064	136.00	399	192.00	130
48.00	11438	90.00	103	137.00	3116	194.00	230
49.00	86480	91.00	6543	138.00	250	195.00	2
50.00	460864	92.00	65096	139.00	614	196.00	118
51.00	137728	93.00	101456	140.00	1138	203.00	228
52.00	5475	94.00	275392	141.00	19240	205.00	265
53.00	5	95.00	2444800	142.00	2467	207.00	2017
55.00	4665	96.00	159104	143.00	21376	208.00	84
56.00	30504	97.00	4886	144.00	1095	209.00	41
57.00	62896	98.00	362	145.00	1714	210.00	148
58.00	2247	101.00	126	146.00	3107	216.00	105
59.00	295	102.00	189	147.00	851	219.00	453
60.00	17112	103.00	1031	148.00	4766	221.00	392
61.00	98256	104.00	8384	149.00	1170	249.00	28
62.00	99336	105.00	2251	150.00	2131	252.00	107
63.00	82904	106.00	8064	152.00	1357	254.00	186
64.00	7267	107.00	2255	153.00	1549	255.00	107
65.00	1383	108.00	146	154.00	1104	260.00	43
66.00	530	110.00	751	155.00	4344	265.00	37
67.00	4415	111.00	1639	156.00	1197	271.00	122
68.00	259008	112.00	1083	157.00	3573	282.00	808
69.00	247552	113.00	1227	158.00	499	284.00	139
70.00	17160	115.00	2030	159.00	2402	297.00	100
71.00	926	116.00	6752	160.00	124	300.00	103
72.00	10226	117.00	12290	161.00	2495	334.00	130

Date : 16-OCT-2007 00:57

Client ID: BFB Instrument: msdt.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0 Operator: ab

Column phase: Column diameter: 2.00

Data File: t101601.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	92000	118.00	6375	164.00	424	344.00	497
74.00	393792	119.00	9496	166.00	141	345.00	110
75.00	1228288	122.00	455	168.00	261		
76.00	102400	123.00	724	169.00	132		
77.00	11108	124.00	1381	170.00	758		

Air Toxics Ltd.

Data file : /chem/msdt.i/17Oct2007.b/t101702.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 17-OCT-2007 07:26
Operator : lo Inst ID: msdt.i
Smp Info : 2uL #1476-58;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/17Oct2007.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	2351728			100.00- 100.00	100.00
8.110	8.228	-0.118	50	429972			15.00- 40.00	18.28
8.110	8.228	-0.118	75	1160960			30.00- 60.00	49.37
8.110	8.228	-0.118	96	154321			5.00- 9.00	6.56
8.110	8.228	-0.118	173	12915			0.00- 2.00	0.83
8.110	8.228	-0.118	174	1559616			50.00- 100.00	66.32
8.110	8.228	-0.118	175	112896			5.00- 9.00	7.24
8.110	8.228	-0.118	176	1503207			95.00- 101.00	96.38
8.110	8.228	-0.118	177	97207			5.00- 9.00	6.47

Data File: /chem/msdt.i/17Oct2007.b/t101702.d

Date : 17-OCT-2007 07:26

Client ID: BFB

Instrument: msdt.i

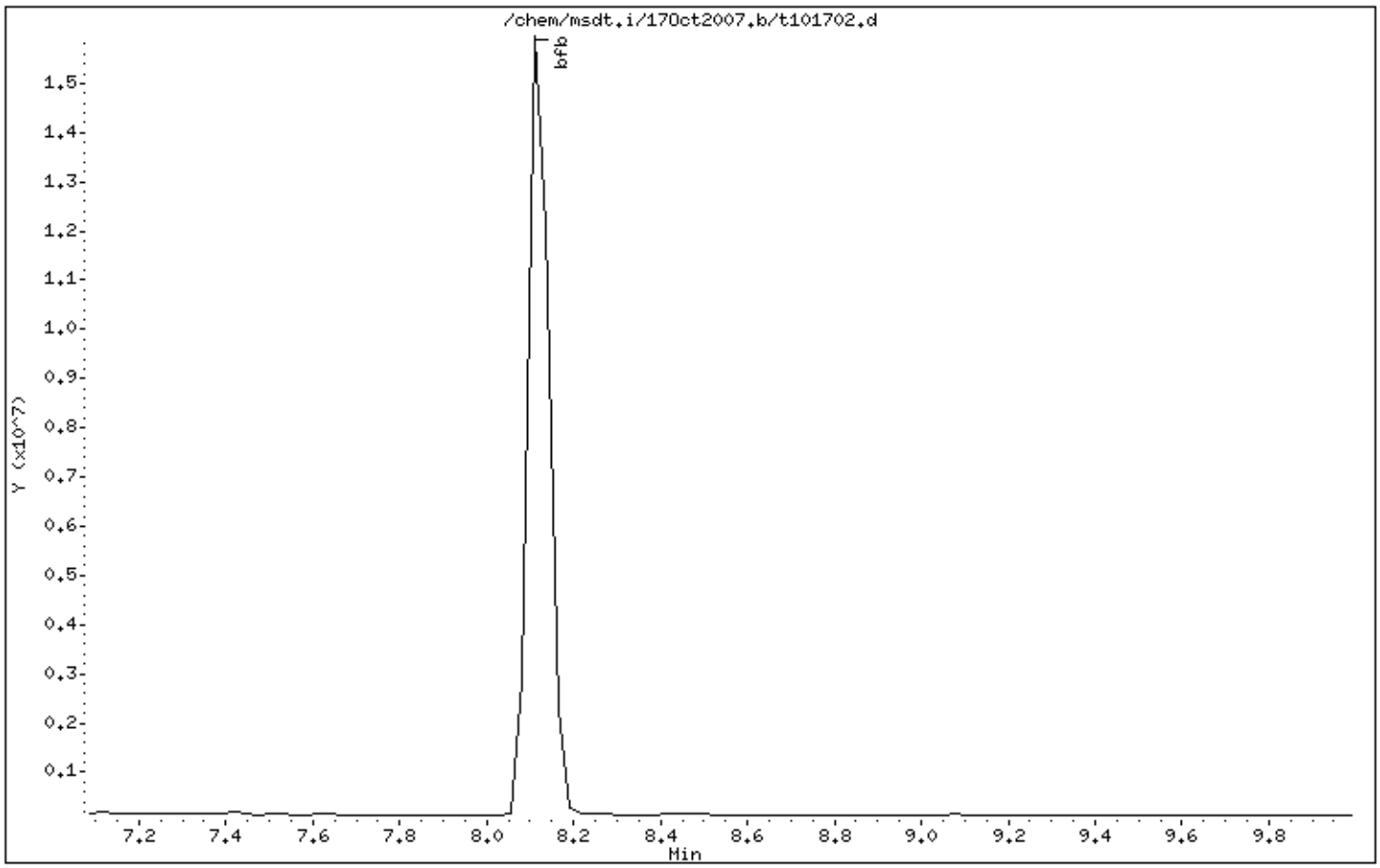
Sample Info: 2uL #1476-58;BFB Tune Check

Volume Injected (uL): 1.0

Operator: lo

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/17Oct2007.b/t101702.d

Date : 17-OCT-2007 07:26

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB Tune Check

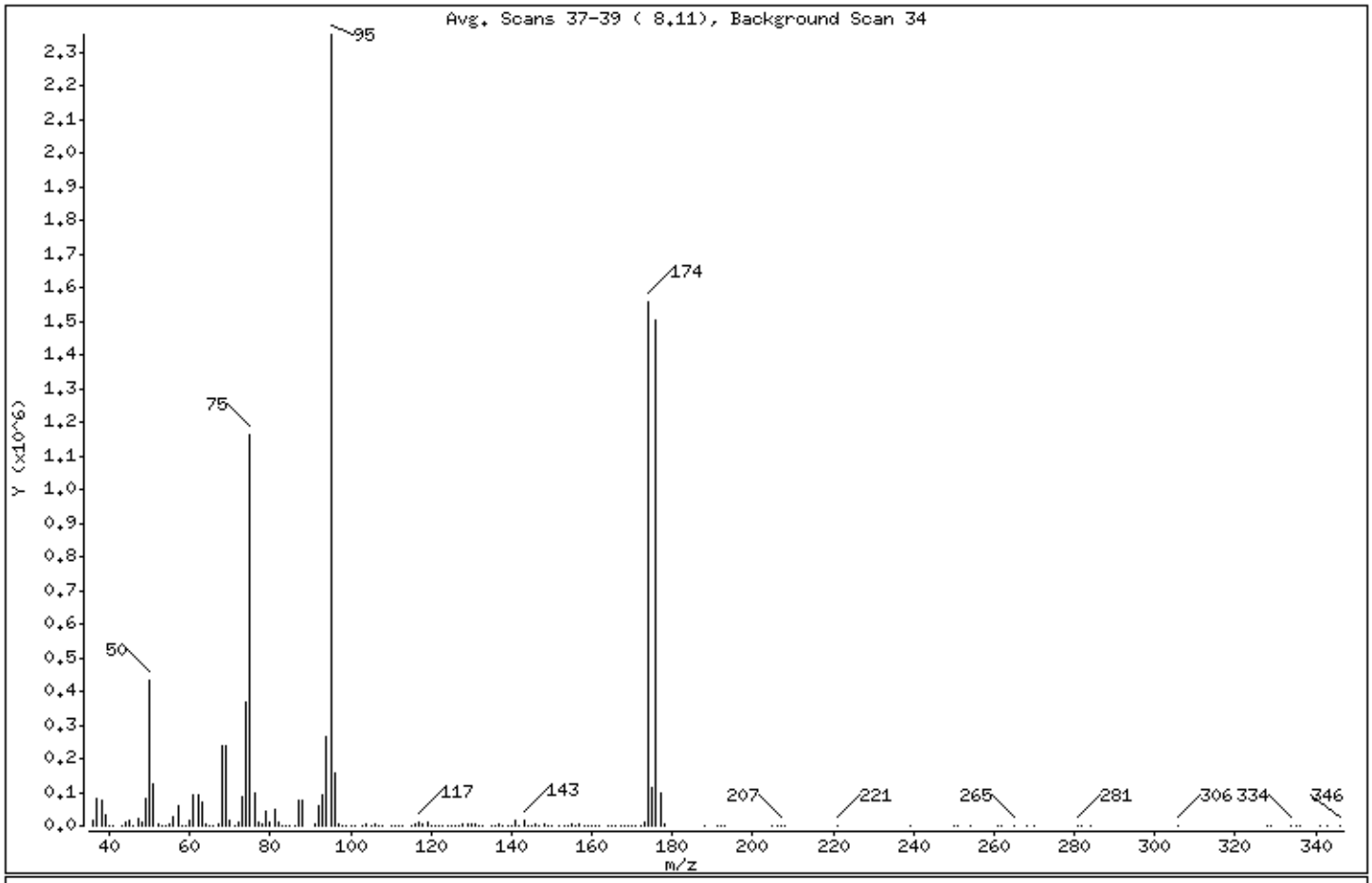
Volume Injected (uL): 1.0

Operator: lo

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	18.28
75	30.00 - 60.00% of mass 95	49.37
96	5.00 - 9.00% of mass 95	6.56
173	Less than 2.00% of mass 174	0.55 (0.83)
174	50.00 - 100.00% of mass 95	66.32
175	5.00 - 9.00% of mass 174	4.80 (7.24)
176	95.00 - 101.00% of mass 174	63.92 (96.38)
177	5.00 - 9.00% of mass 176	4.13 (6.47)

Date : 17-OCT-2007 07:26

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB Tune Check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: t101702.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 164

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	14453	79.00	45888	126.00	693	171.00	897
37.00	82800	80.00	13211	127.00	269	172.00	2306
38.00	73928	81.00	47504	128.00	5921	173.00	12915
39.00	31152	82.00	9427	129.00	3074	174.00	1559552
40.00	1989	83.00	1239	130.00	7169	175.00	112896
41.00	616	84.00	130	131.00	3231	176.00	1502720
43.00	1073	85.00	233	132.00	172	177.00	97200
44.00	8912	86.00	1700	133.00	329	178.00	2894
45.00	16936	87.00	76728	135.00	2608	188.00	108
46.00	723	88.00	74808	136.00	255	191.00	192
47.00	19232	91.00	5920	137.00	2856	192.00	106
48.00	9619	92.00	57048	138.00	402	193.00	225
49.00	81528	93.00	93568	139.00	441	205.00	392
50.00	429952	94.00	263872	140.00	896	206.00	234
51.00	125728	95.00	2351616	141.00	16260	207.00	661
52.00	4812	96.00	154304	142.00	1958	208.00	641
53.00	362	97.00	4137	143.00	17304	221.00	384
54.00	118	98.00	313	144.00	1000	239.00	128
55.00	5109	99.00	101	145.00	1609	250.00	113
56.00	29400	100.00	102	146.00	2974	251.00	3
57.00	58888	101.00	122	147.00	1390	254.00	221
58.00	2079	103.00	779	148.00	4241	261.00	148
59.00	472	104.00	7123	149.00	1163	262.00	122
60.00	15578	105.00	2679	150.00	1738	265.00	725
61.00	91080	106.00	7348	152.00	1073	268.00	237
62.00	93744	107.00	2177	153.00	1187	270.00	93
63.00	71712	108.00	257	154.00	1021	281.00	789
64.00	6715	110.00	1184	155.00	4367	282.00	179
65.00	631	111.00	1377	156.00	847	284.00	259
66.00	339	112.00	916	157.00	3553	306.00	153
67.00	4579	113.00	1343	158.00	464	328.00	103
68.00	238336	115.00	1365	159.00	2396	329.00	146
69.00	235904	116.00	5776	160.00	286	334.00	536
70.00	16800	117.00	9944	161.00	1671	335.00	117
71.00	1790	118.00	6342	162.00	105	336.00	112

Date : 17-OCT-2007 07:26

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB Tune Check

Volume Injected (uL): 1.0 Operator: lo

Column phase: Column diameter: 2.00

Data File: t101702.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 164

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	9838	119.00	9065	164.00	683	341.00	285
73.00	86520	120.00	393	165.00	38	343.00	344
74.00	366016	121.00	313	166.00	236	346.00	109
75.00	1160704	122.00	537	167.00	456		
76.00	98024	123.00	458	168.00	597		
77.00	9776	124.00	1285	169.00	299		
78.00	6796	125.00	1039	170.00	485		

Air Toxics Ltd.

Data file : /chem/msdt.i/19Oct2007.b/t101901.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 19-OCT-2007 08:30
Operator : cb Inst ID: msdt.i
Smp Info : 2uL: #1476-58;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/19Oct2007.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	2154294			100.00- 100.00	100.00
8.110	8.228	-0.118	50	408753			15.00- 40.00	18.97
8.110	8.228	-0.118	75	1078544			30.00- 60.00	50.06
8.110	8.228	-0.118	96	144014			5.00- 9.00	6.68
8.110	8.228	-0.118	173	11404			0.00- 2.00	0.79
8.110	8.228	-0.118	174	1434554			50.00- 100.00	66.59
8.110	8.228	-0.118	175	104652			5.00- 9.00	7.30
8.110	8.228	-0.118	176	1371829			95.00- 101.00	95.63
8.110	8.228	-0.118	177	88687			5.00- 9.00	6.46

Data File: /chem/msdt.i/19Oct2007.b/t101901.d

Date : 19-OCT-2007 08:30

Client ID: BFB

Instrument: msdt.i

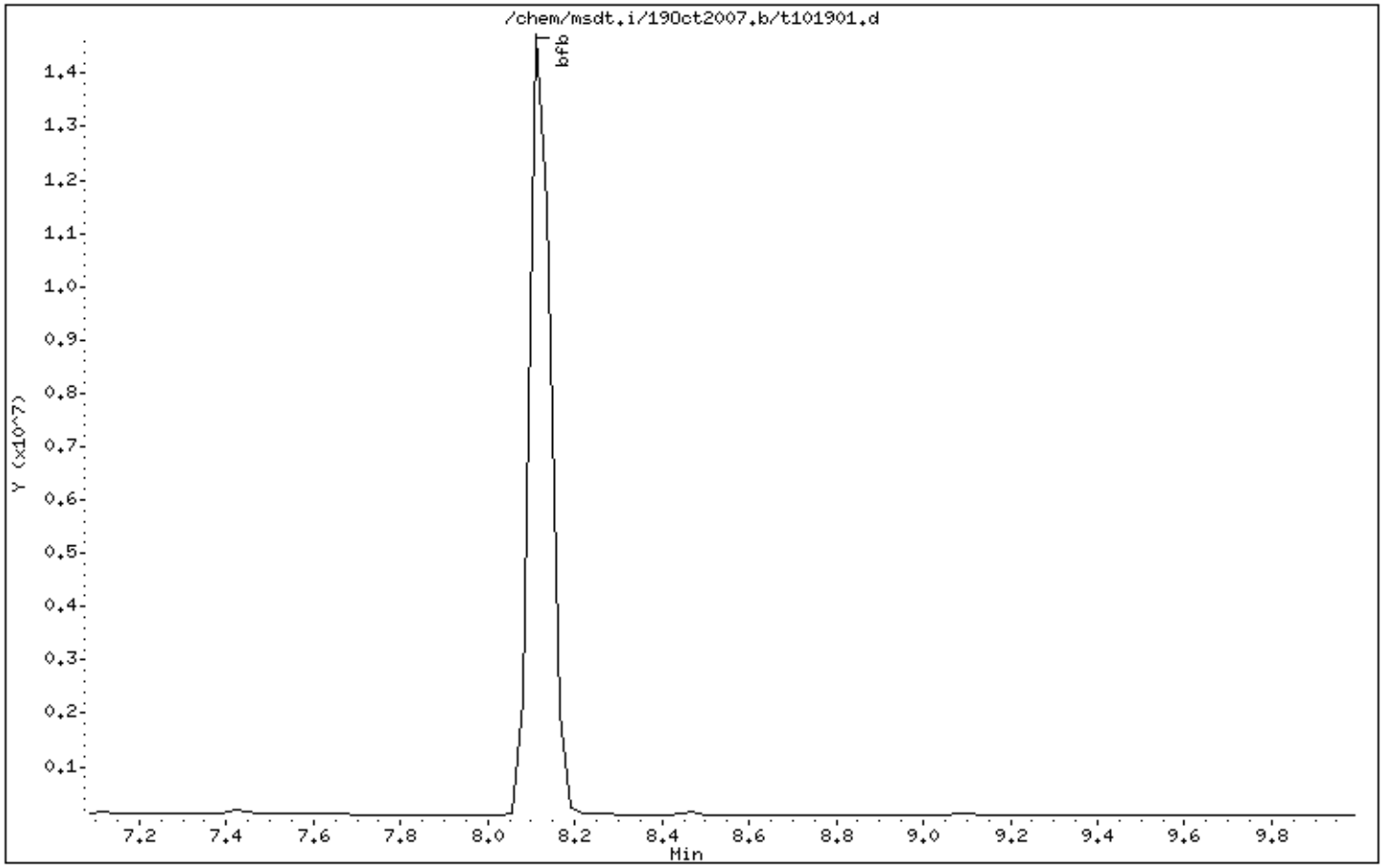
Sample Info: 2uL: #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00



Data File: /chem/msdt.i/19Oct2007.b/t101901.d

Date : 19-OCT-2007 08:30

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL: #1476-58;BFB tune check;BFB tune check

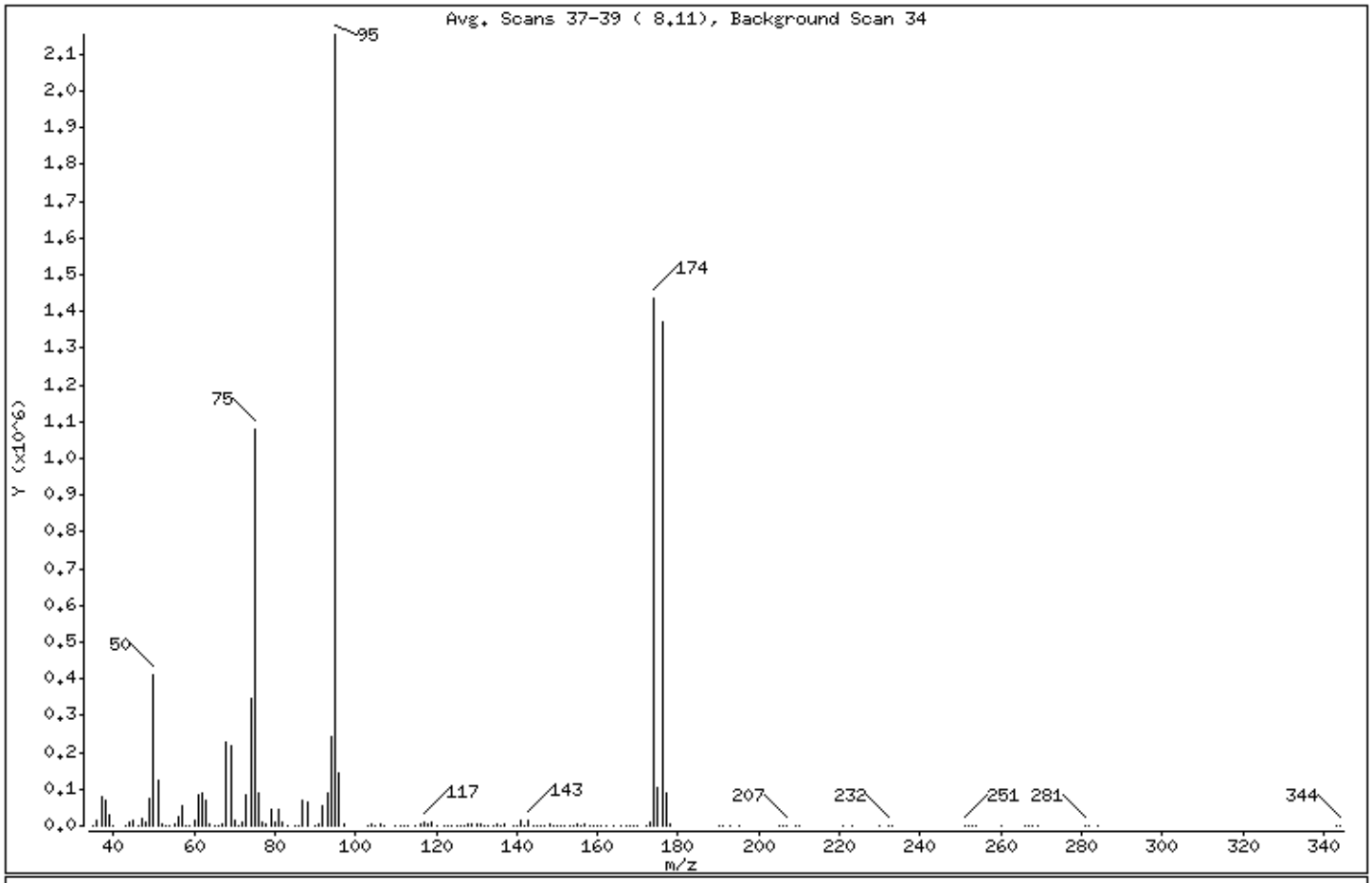
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.97
75	30.00 - 60.00% of mass 95	50.06
96	5.00 - 9.00% of mass 95	6.68
173	Less than 2.00% of mass 174	0.53 (0.79)
174	50.00 - 100.00% of mass 95	66.59
175	5.00 - 9.00% of mass 174	4.86 (7.30)
176	95.00 - 101.00% of mass 174	63.68 (95.63)
177	5.00 - 9.00% of mass 176	4.12 (6.46)

Date : 19-OCT-2007 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL: #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: t101901.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	193	76.00	90360	126.00	416	168.00	240
36.00	12883	77.00	8552	127.00	394	169.00	365
37.00	79048	78.00	6346	128.00	5745	170.00	467
38.00	71280	79.00	44040	129.00	2802	172.00	1653
39.00	29608	80.00	11544	130.00	6384	173.00	11404
40.00	919	81.00	45472	131.00	2713	174.00	1434112
43.00	200	82.00	8141	132.00	345	175.00	104648
44.00	9668	83.00	998	133.00	832	176.00	1371648
45.00	16456	85.00	129	134.00	873	177.00	88680
46.00	1087	86.00	1603	135.00	2762	178.00	2640
47.00	17768	87.00	71328	136.00	179	190.00	101
48.00	10046	88.00	66088	137.00	2966	191.00	384
49.00	76656	90.00	150	139.00	638	193.00	29
50.00	408704	91.00	5197	140.00	796	195.00	319
51.00	121440	92.00	55296	141.00	15960	205.00	120
52.00	4898	93.00	88824	142.00	1636	206.00	102
53.00	338	94.00	241920	143.00	16728	207.00	458
54.00	112	95.00	2153984	144.00	727	209.00	120
55.00	4724	96.00	144000	145.00	1413	210.00	56
56.00	25928	97.00	3962	146.00	2449	221.00	4
57.00	54032	103.00	646	147.00	1147	223.00	260
58.00	2207	104.00	6957	148.00	4061	230.00	129
59.00	186	105.00	2284	149.00	984	232.00	284
60.00	14711	106.00	7112	150.00	1637	233.00	111
61.00	84288	107.00	2223	151.00	357	251.00	514
62.00	88712	110.00	516	152.00	712	252.00	121
63.00	68936	111.00	1468	153.00	1383	253.00	117
64.00	6062	112.00	954	154.00	989	254.00	391
65.00	858	113.00	1453	155.00	3881	260.00	91
66.00	70	115.00	1733	156.00	768	266.00	145
67.00	4191	116.00	5601	157.00	2885	267.00	15
68.00	226496	117.00	10381	158.00	417	268.00	112
69.00	218816	118.00	5695	159.00	1902	269.00	122
70.00	15431	119.00	8386	160.00	123	281.00	1139
71.00	867	120.00	303	161.00	2107	282.00	16

Date : 19-OCT-2007 08:30

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL: #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: t101901.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	9880	122.00	395	162.00	128	284.00	211
73.00	83888	123.00	304	164.00	336	343.00	137
74.00	346624	124.00	1065	166.00	118	344.00	244
75.00	1078272	125.00	614	167.00	275		

Air Toxics Ltd.

Data file : /chem/msdt.i/22Oct2007.b/t102201.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 22-OCT-2007 09:58
Operator : cb Inst ID: msdt.i
Smp Info : 2uL #1476-58;BFB tune check;BFB tune check
Misc Info : 50ng
Comment :
Method : /chem/msdt.i/22Oct2007.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	1412826			100.00- 100.00	100.00
8.110	8.228	-0.118	50	291889			15.00- 40.00	20.66
8.110	8.228	-0.118	75	761640			30.00- 60.00	53.91
8.110	8.228	-0.118	96	91980			5.00- 9.00	6.51
8.110	8.228	-0.118	173	7078			0.00- 2.00	0.77
8.110	8.228	-0.118	174	919946			50.00- 100.00	65.11
8.110	8.228	-0.118	175	65533			5.00- 9.00	7.12
8.110	8.228	-0.118	176	886073			95.00- 101.00	96.32
8.110	8.228	-0.118	177	57669			5.00- 9.00	6.51

Data File: /chem/msdt.i/22Oct2007.b/t102201.d

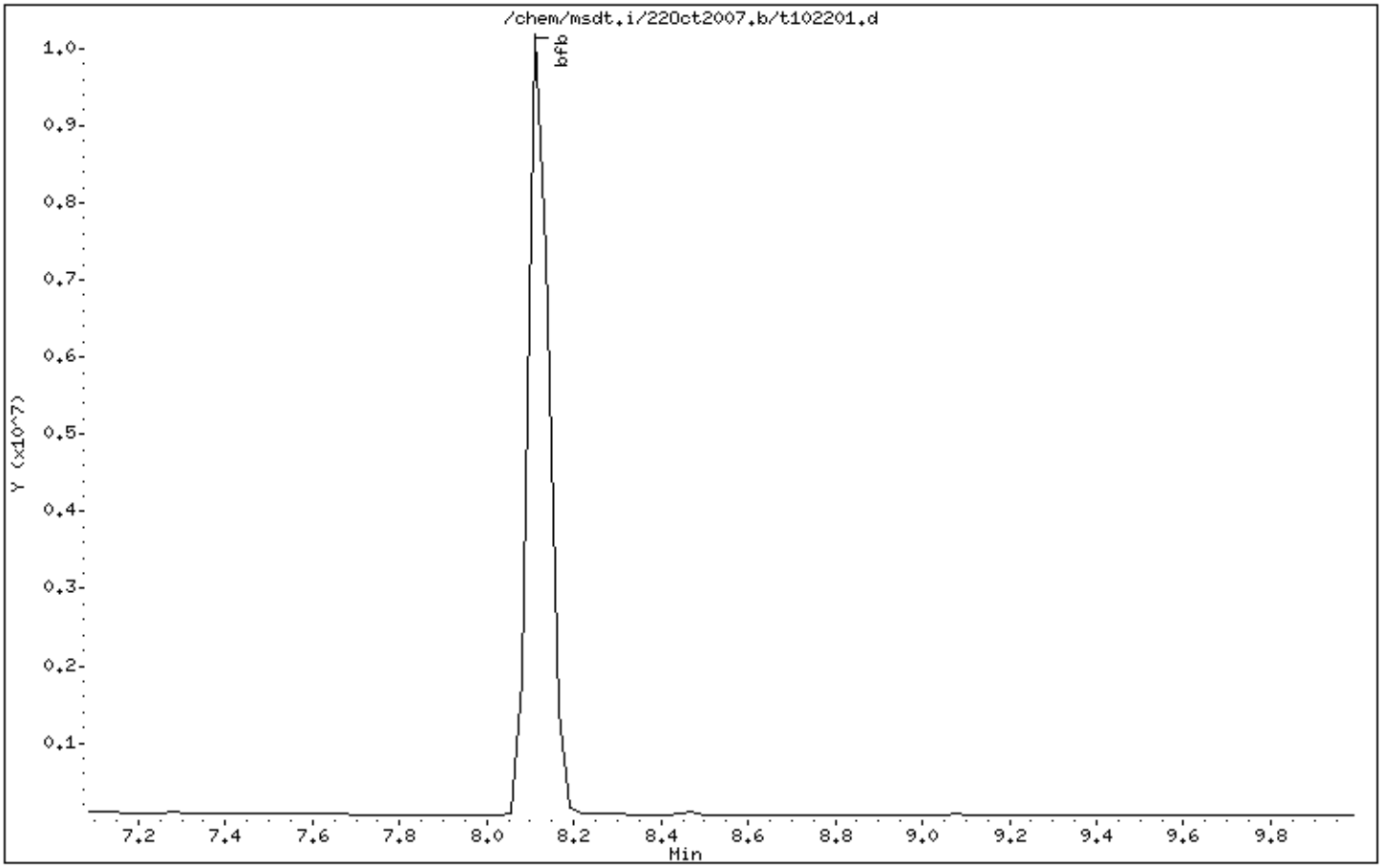
Date : 22-OCT-2007 09:58

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00



Data File: /chem/msdt.i/22Oct2007.b/t102201.d

Date : 22-OCT-2007 09:58

Client ID: BFB

Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

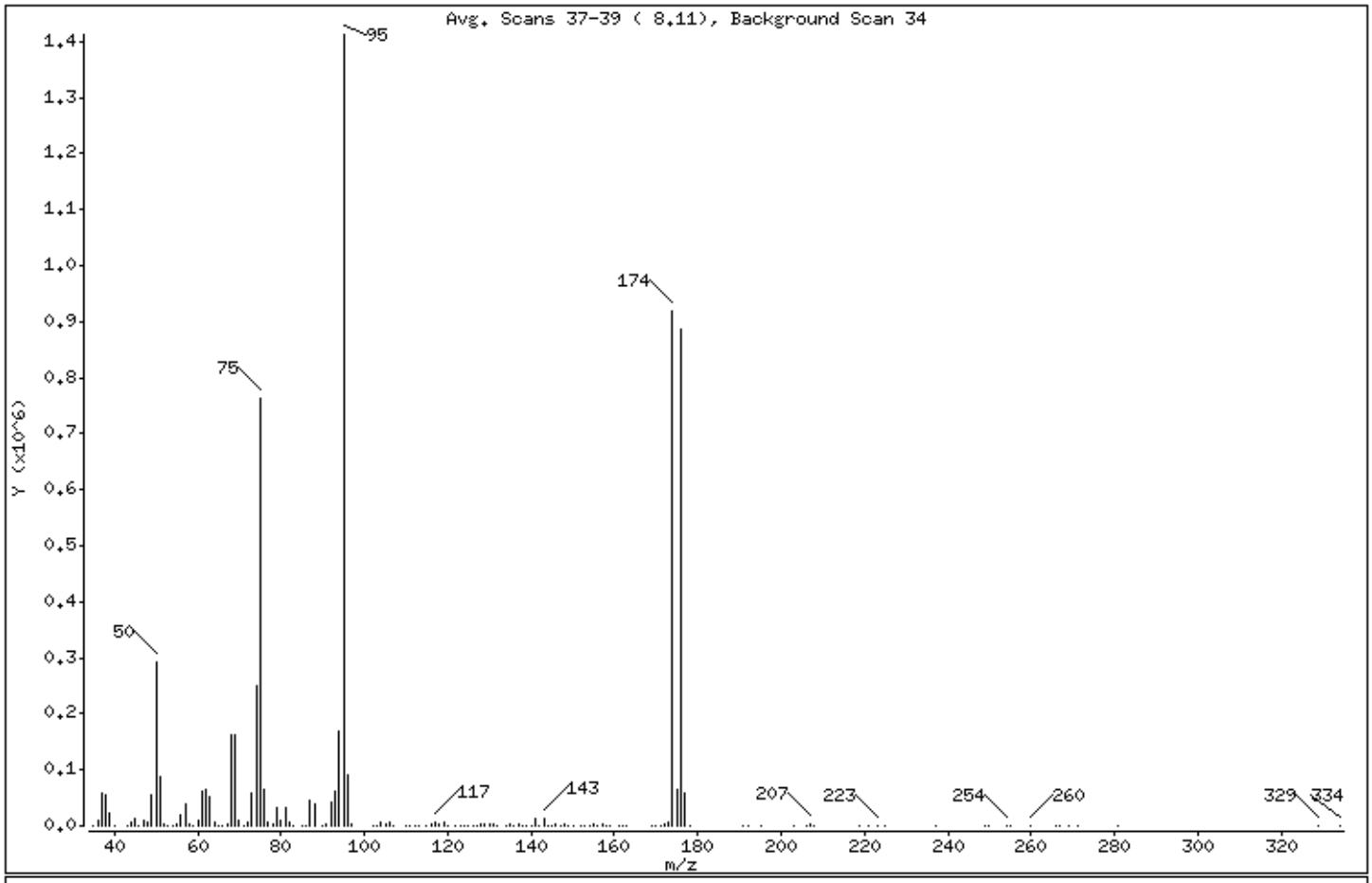
Volume Injected (uL): 1.0

Operator: cb

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.66
75	30.00 - 60.00% of mass 95	53.91
96	5.00 - 9.00% of mass 95	6.51
173	Less than 2.00% of mass 174	0.50 (0.77)
174	50.00 - 100.00% of mass 95	65.11
175	5.00 - 9.00% of mass 174	4.64 (7.12)
176	95.00 - 101.00% of mass 174	62.72 (96.32)
177	5.00 - 9.00% of mass 176	4.08 (6.51)

Date : 22-OCT-2007 09:58

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: t102201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	287	75.00	761600	123.00	380	169.00	170
36.00	10389	76.00	64768	124.00	849	170.00	509
37.00	59248	77.00	7381	125.00	550	171.00	750
38.00	54192	78.00	3492	126.00	792	172.00	2102
39.00	22368	79.00	33984	127.00	434	173.00	7078
40.00	587	80.00	9907	128.00	4751	174.00	919936
43.00	94	81.00	33344	129.00	2349	175.00	65528
44.00	6496	82.00	7065	130.00	4408	176.00	886016
45.00	11601	83.00	828	131.00	2217	177.00	57664
46.00	688	85.00	133	132.00	284	178.00	1618
47.00	10764	86.00	1023	134.00	728	191.00	223
48.00	6378	87.00	44104	135.00	2058	192.00	531
49.00	55320	88.00	40248	136.00	195	195.00	204
50.00	291840	90.00	243	137.00	2331	203.00	111
51.00	87888	91.00	3904	138.00	233	206.00	246
52.00	2940	92.00	41144	139.00	369	207.00	1879
53.00	474	93.00	62136	140.00	759	208.00	254
54.00	123	94.00	168064	141.00	13490	219.00	115
55.00	2615	95.00	1412608	142.00	1515	221.00	24
56.00	19792	96.00	91976	143.00	13605	223.00	148
57.00	40416	97.00	2578	144.00	974	225.00	134
58.00	1720	102.00	225	145.00	1027	237.00	123
59.00	284	103.00	764	146.00	2024	249.00	175
60.00	11215	104.00	5045	147.00	764	250.00	105
61.00	61928	105.00	1646	148.00	3047	254.00	217
62.00	66216	106.00	5151	149.00	798	255.00	114
63.00	50424	107.00	1597	150.00	1607	260.00	298
64.00	5103	110.00	572	152.00	700	266.00	107
65.00	1328	111.00	1068	153.00	965	267.00	60
66.00	421	112.00	655	154.00	743	269.00	240
67.00	3387	113.00	583	155.00	3167	271.00	291
68.00	161408	115.00	1037	156.00	962	281.00	281
69.00	160896	116.00	4172	157.00	2125	329.00	105
70.00	11097	117.00	7684	158.00	580	334.00	241
71.00	692	118.00	4062	159.00	1543		

Date : 22-OCT-2007 09:58

Client ID: BFB Instrument: msdt.i

Sample Info: 2uL #1476-58;BFB tune check;BFB tune check

Volume Injected (uL): 1.0 Operator: cb

Column phase: Column diameter: 2.00

Data File: t102201.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 148

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	6784	119.00	6336	161.00	1586		
73.00	57616	120.00	518	162.00	133		
74.00	248576	122.00	372	163.00	197		

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 #: 0710302
# of pages (Including Cover): 1

10/26/2007

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

Receipt VAR 10/11/07

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

0240

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

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. (CANISTER)	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	UWAMS5 34265	10/10/07 0200/1506	TO-15 + Naphthalene	-29	-15	14.5 "Hg
02A	DW AMS I 4202	10/10/07 0200/1520	TO-15 + Naphthalene	-28.5	-7.5	1.5 "Hg

Relinquished By: (Signature) Date/Time: 10/10/07 1530

Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:

Received By: (Signature) Date/Time:

Relinquished By: (Signature) Date/Time:

Received By: (Signature) Date/Time: Theresa Smeeke ATL 10/11/07 845

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

Lab Use Only	Shipper Name	AirBill #	Received By	Temp. (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8629 1704 5624	JS	NA	Good	Yes No (None)	071002

8629 1704 5624

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0710302

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: 10/25/07
Date Completed: 10/24/07
Date Received: 10/11/07
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell AirMonitoring
Total $: $ 624.00
Logged By: AEW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UWAMS 5	Modified TO-15	10/10/2007	14.5 "Hg	$225.00
02A	DW AMS 1	Modified TO-15	10/10/2007	7.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each.	$100.00
	Fuel Surcharge (2) @ $2.00 each.	$4.00
	Blue Body Flow Controller (2) @ $35.00 each.	$70.00

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 #: 0710352

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)
☐	☐	☐	☑	☐	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 (14day)
	☐	☐	☐	☐	Appropriate data qualifier flags are applied
	☐	☐	☐	☐	Manual integrations for samples and QC are properly documented
☑	☐	☐		☐	Samples analyzed within the project or method specific clock (24hr)
	☐	☐			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
NA	☐	☐			TICs between duplicate samples are consistent
	☐	☐	☑		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: Qual in ccv LCS

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
10/24/07	R: Taylor 10-24-07	10/24/07	
	T:		

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

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

Not Applicable