
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 #: 0708468

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	9/11/07
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0708468

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 Bay Shore OU1South Perimeter Air
DATE RECEIVED:	08/23/2007	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	08/29/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	U.W. AMS#1	Modified TO-15	5.0 "Hg
02A	D.W. AMS#5	Modified TO-15	9.0 "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: 09/06/07

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# 0708468

Two 6 Liter Summa Canister samples were received on August 23, 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
U.W. AMS#1	0708468-01A	8/22/2007	8/23/2007	NA	7	8/29/2007	NA	Good
D.W. AMS#5	0708468-02A	8/22/2007	8/23/2007	NA	7	8/29/2007	NA	Good
Lab Blank	0708468-03A	NA	NA	NA	NA	8/28/2007	NA	Good
CCV	0708468-04A	NA	NA	NA	NA	8/28/2007	NA	Good
LCS	0708468-05A	NA	NA	NA	NA	8/28/2007	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: U.W. AMS#1

Lab ID#: 0708468-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.80	1.7	3.0	6.3
Acetone	3.2	4.0	7.6	9.4

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: U.W. AMS#1

Lab ID#: 0708468-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082826**	**Date of Collection:**	**8/22/07**
Dil. Factor:	**1.61**	**Date of Analysis:**	**8/29/07 03:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.80	Not Detected	4.0	Not Detected
Freon 114	0.80	Not Detected	5.6	Not Detected
Vinyl Chloride	0.80	Not Detected	2.0	Not Detected
Bromomethane	0.80	Not Detected	3.1	Not Detected
Chloroethane	0.80	Not Detected	2.1	Not Detected
Freon 11	0.80	Not Detected	4.5	Not Detected
1,1-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Freon 113	0.80	Not Detected	6.2	Not Detected
Methylene Chloride	0.80	Not Detected	2.8	Not Detected
1,1-Dichloroethane	0.80	Not Detected	3.2	Not Detected
cis-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
Chloroform	0.80	Not Detected	3.9	Not Detected
1,1,1-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Carbon Tetrachloride	0.80	Not Detected	5.1	Not Detected
Benzene	0.80	Not Detected	2.6	Not Detected
1,2-Dichloroethane	0.80	Not Detected	3.2	Not Detected
Trichloroethene	0.80	Not Detected	4.3	Not Detected
1,2-Dichloropropane	0.80	Not Detected	3.7	Not Detected
cis-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
Toluene	0.80	1.7	3.0	6.3
trans-1,3-Dichloropropene	0.80	Not Detected	3.6	Not Detected
1,1,2-Trichloroethane	0.80	Not Detected	4.4	Not Detected
Tetrachloroethene	0.80	Not Detected	5.5	Not Detected
1,2-Dibromoethane (EDB)	0.80	Not Detected	6.2	Not Detected
Chlorobenzene	0.80	Not Detected	3.7	Not Detected
Ethyl Benzene	0.80	Not Detected	3.5	Not Detected
m,p-Xylene	0.80	Not Detected	3.5	Not Detected
o-Xylene	0.80	Not Detected	3.5	Not Detected
Styrene	0.80	Not Detected	3.4	Not Detected
1,1,2,2-Tetrachloroethane	0.80	Not Detected	5.5	Not Detected
1,3,5-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,2,4-Trimethylbenzene	0.80	Not Detected	4.0	Not Detected
1,3-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,4-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
alpha-Chlorotoluene	0.80	Not Detected	4.2	Not Detected
1,2-Dichlorobenzene	0.80	Not Detected	4.8	Not Detected
1,3-Butadiene	0.80	Not Detected	1.8	Not Detected
Hexane	0.80	Not Detected	2.8	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: U.W. AMS#1

Lab ID#: 0708468-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082826**	**Date of Collection: 8/22/07**	
Dil. Factor:	**1.61**	**Date of Analysis: 8/29/07 03:53 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.80	Not Detected	3.3	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
Cumene	0.80	Not Detected	4.0	Not Detected
Propylbenzene	0.80	Not Detected	4.0	Not Detected
Chloromethane	3.2	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	3.2	Not Detected	24	Not Detected
Hexachlorobutadiene	3.2	Not Detected	34	Not Detected
Acetone	3.2	4.0	7.6	9.4
Carbon Disulfide	0.80	Not Detected	2.5	Not Detected
2-Propanol	3.2	Not Detected	7.9	Not Detected
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	Not Detected	2.4	Not Detected
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
1,4-Dioxane	3.2	Not Detected	12	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
2-Hexanone	3.2	Not Detected	13	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
Ethanol	3.2	Not Detected	6.1	Not Detected
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
3-Chloropropene	3.2	Not Detected	10	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Naphthalene	3.2	Not Detected	17	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Aug2007.b/t082826.d
Lab Smp Id: 0708468-01A
Inj Date : 29-AUG-2007 03:53
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #916
Misc Info : 5.0"Hg-5psi
Comment :
Method : /chem/msdt.i/28Aug2007.b/t14q822b.m
Meth Date : 28-Aug-2007 10:54 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.d
Als bottle: 1
Dil Factor: 1.61000
Integrator: HP RTE Compound Sublist: AT04.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 81 Bromochloromethane					CAS #: 74-97-5		
13.893	13.893 (1.000)	130	142552	25.0000		80.00- 120.00	100.00
13.893	13.893 (1.000)	128	108553			29.13- 129.13	76.15
13.893	13.893 (1.000)	49	298804			243.66- 343.66	209.61
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	549351	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	92393			0.00- 66.35	16.82
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	523887	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	333206			12.59- 112.59	63.60
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.971	14.944 (1.078)	65	309522	28.4671	28.467	80.00- 120.00	100.00
14.971	14.944 (1.078)	67	142931			2.98- 102.98	46.18
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.234	18.206 (1.166)	98	544580	25.4535	25.453	80.00- 120.00	100.00
18.234	18.206 (1.166)	70	68846			0.00- 62.07	12.64

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.234	18.206 (1.166)	100	368156			18.35- 118.35	67.60
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	218246	22.4705	22.470	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	320762			95.41- 195.41	146.97
22.796	22.796 (1.096)	176	207944			45.50- 145.50	95.28
45 Acetone					CAS #: 67-64-1		
10.243	10.215 (0.737)	58	17139	2.47315	3.982	80.00- 120.00	100.00
10.243	10.215 (0.737)	43	71048			306.72- 406.72	414.54
114 Toluene					CAS #: 108-88-3		
18.344	18.344 (1.173)	91	29458	1.04035	1.675	80.00- 120.00	100.00
18.344	18.344 (1.173)	92	18723			12.45- 112.45	63.56

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082826.d
Lab Smp Id: 0708468-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 5.0"Hg-5psi

Calibration Date: 28-AUG-2007
Calibration Time: 08:34
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	170933	102560	239306	142552	-16.60
97 1,4-Difluorobenze	720430	432258	1008602	549351	-23.75
126 Chlorobenzene-d5	649286	389572	909000	523887	-19.31

		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	20.81	20.48	21.14	20.81	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28Aug2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708468-01A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 5.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	28.467	113.87	70-130
$ 113 Toluene-d8	25.000	25.453	101.81	70-130
$ 137 Bromofluorobenzene	25.000	22.470	89.88	70-130

Data File: /chem/msdt.i/28Aug2007.b/t082826.d

Page 1

Date : 29-AUG-2007 03:53

Client ID:

Instrument: msdt.i

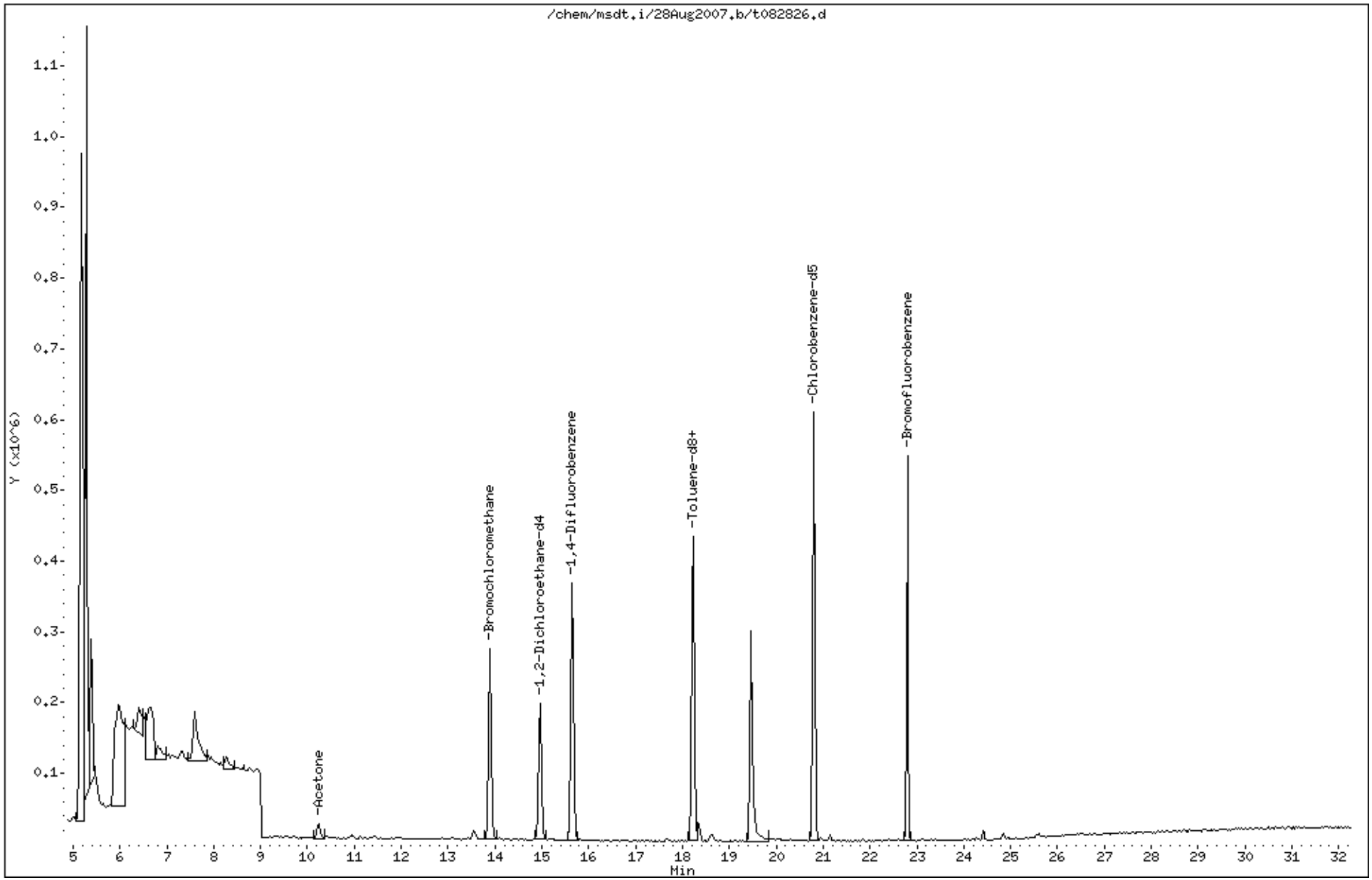
Sample Info: 200mL #916

Operator: ab

Column phase: RTx-624

Column diameter: 0.53

0013



Data File: /chem/msdt.i/28Aug2007.b/t082826.d

Date : 29-AUG-2007 03:53

Client ID:

Instrument: msdt.i

Sample Info: 200mL #916

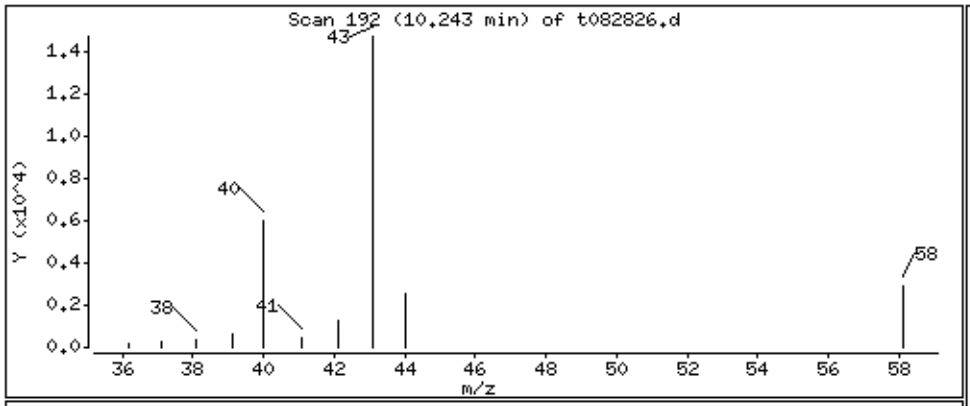
Operator: ab

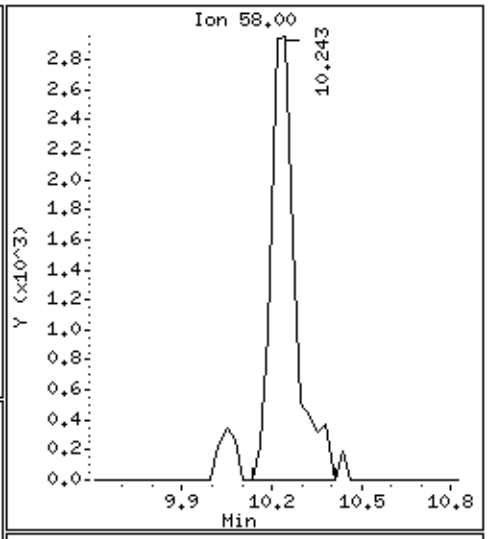
Column phase: RTx-624

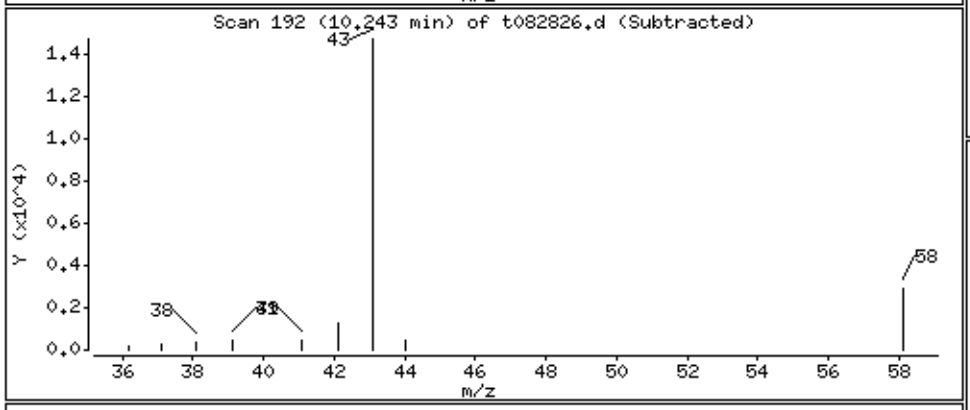
Column diameter: 0.53

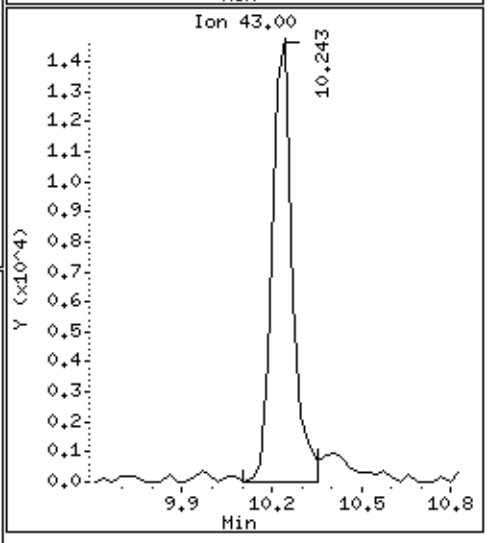
45 Acetone

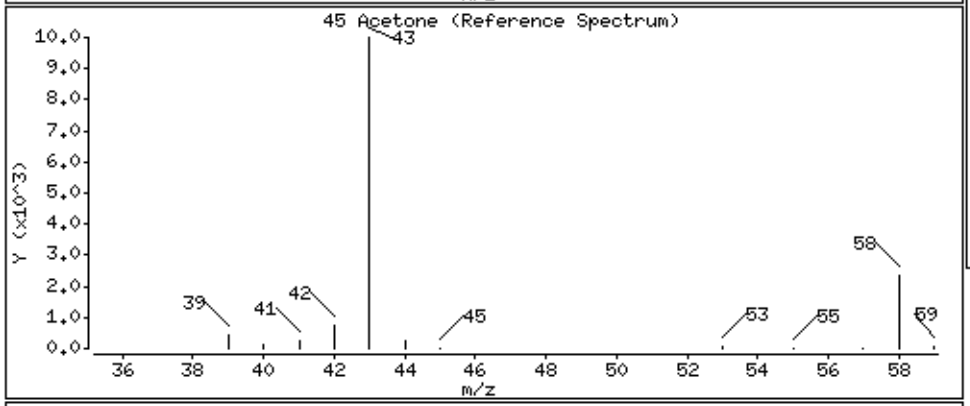
Concentration: 3.982 PPBV

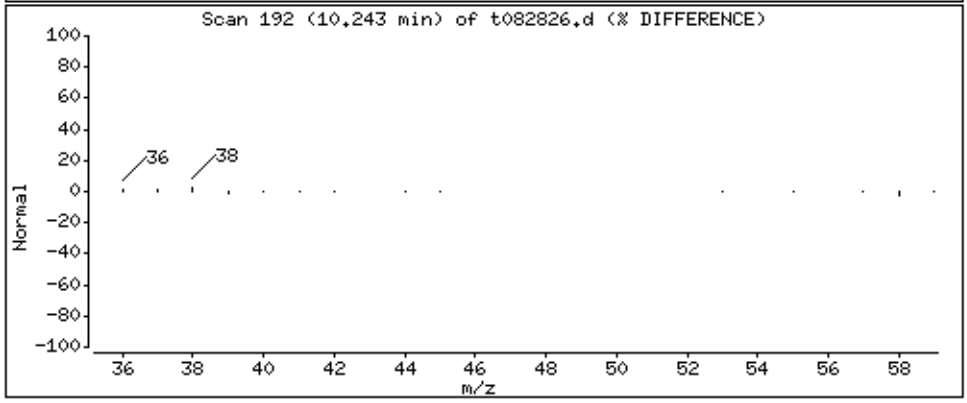












Data File: /chem/msdt.i/28Aug2007.b/t082826.d

Date : 29-AUG-2007 03:53

Client ID:

Instrument: msdt.i

Sample Info: 200mL #916

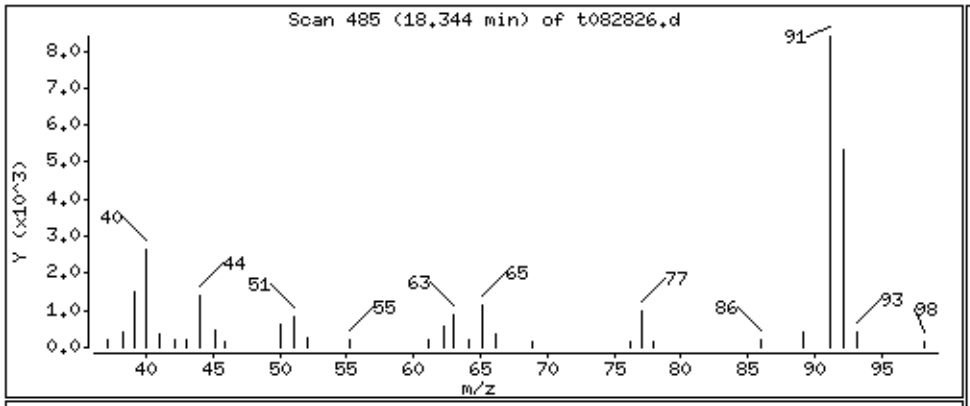
Operator: ab

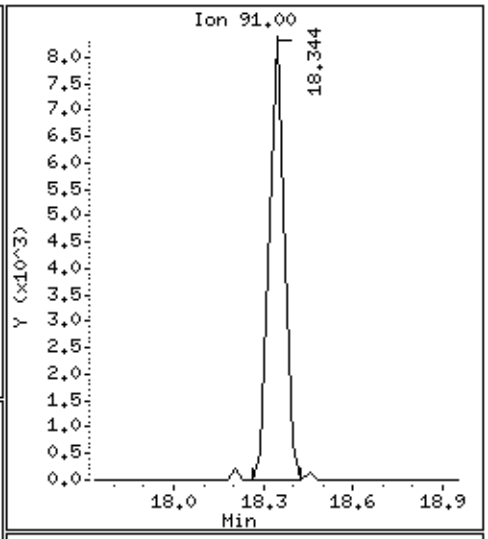
Column phase: RTx-624

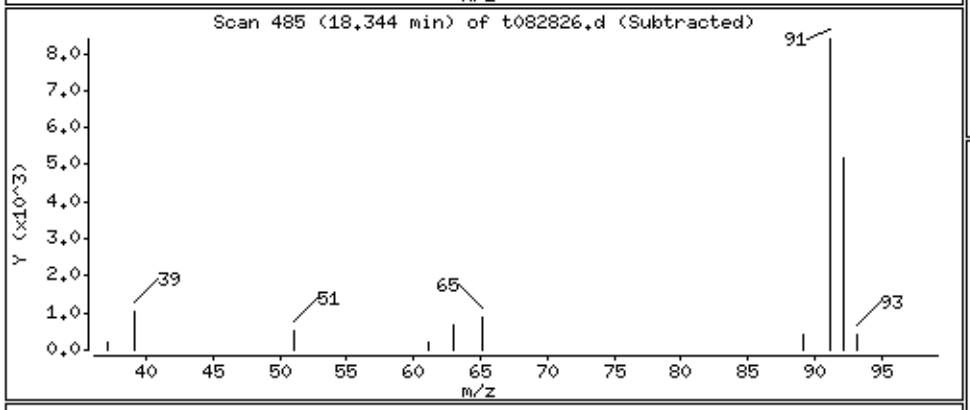
Column diameter: 0.53

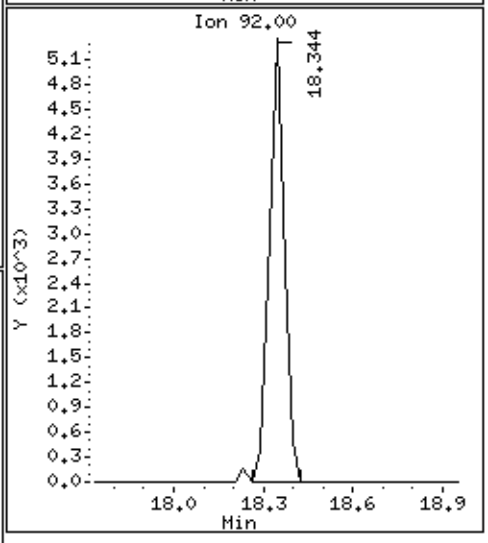
114 Toluene

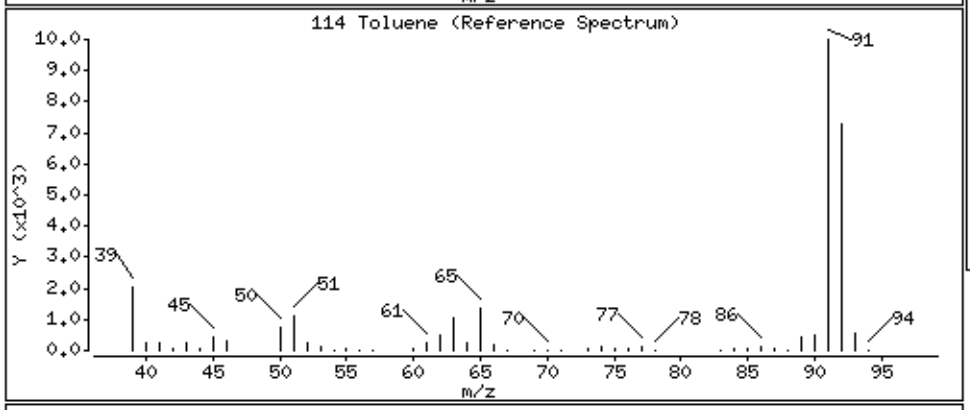
Concentration: 1.675 PPBV

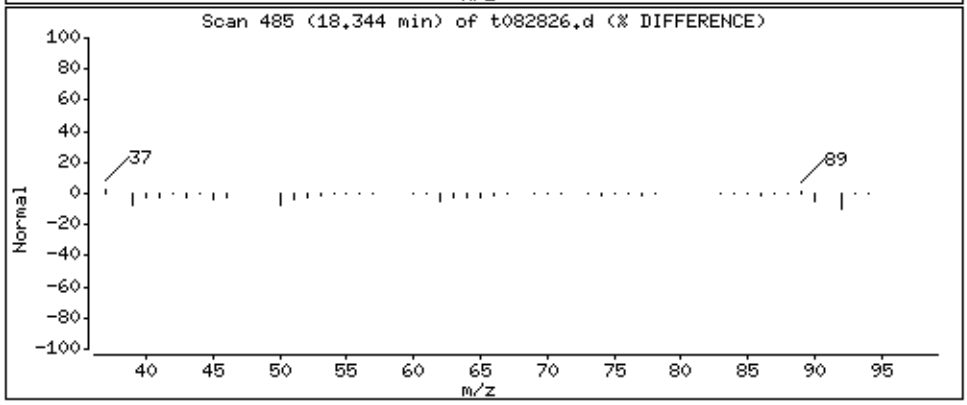












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: D.W. AMS#5

Lab ID#: 0708468-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Toluene	0.96	1.1	3.6	4.2

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: D.W. AMS#5

Lab ID#: 0708468-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082827**	**Date of Collection:**	**8/22/07**
Dil. Factor:	**1.91**	**Date of Analysis:**	**8/29/07 04:40 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.96	Not Detected	4.7	Not Detected
Freon 114	0.96	Not Detected	6.7	Not Detected
Vinyl Chloride	0.96	Not Detected	2.4	Not Detected
Bromomethane	0.96	Not Detected	3.7	Not Detected
Chloroethane	0.96	Not Detected	2.5	Not Detected
Freon 11	0.96	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Freon 113	0.96	Not Detected	7.3	Not Detected
Methylene Chloride	0.96	Not Detected	3.3	Not Detected
1,1-Dichloroethane	0.96	Not Detected	3.9	Not Detected
cis-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
Chloroform	0.96	Not Detected	4.7	Not Detected
1,1,1-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Carbon Tetrachloride	0.96	Not Detected	6.0	Not Detected
Benzene	0.96	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.96	Not Detected	3.9	Not Detected
Trichloroethene	0.96	Not Detected	5.1	Not Detected
1,2-Dichloropropane	0.96	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
Toluene	0.96	1.1	3.6	4.2
trans-1,3-Dichloropropene	0.96	Not Detected	4.3	Not Detected
1,1,2-Trichloroethane	0.96	Not Detected	5.2	Not Detected
Tetrachloroethene	0.96	Not Detected	6.5	Not Detected
1,2-Dibromoethane (EDB)	0.96	Not Detected	7.3	Not Detected
Chlorobenzene	0.96	Not Detected	4.4	Not Detected
Ethyl Benzene	0.96	Not Detected	4.1	Not Detected
m,p-Xylene	0.96	Not Detected	4.1	Not Detected
o-Xylene	0.96	Not Detected	4.1	Not Detected
Styrene	0.96	Not Detected	4.1	Not Detected
1,1,2,2-Tetrachloroethane	0.96	Not Detected	6.6	Not Detected
1,3,5-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,2,4-Trimethylbenzene	0.96	Not Detected	4.7	Not Detected
1,3-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,4-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
alpha-Chlorotoluene	0.96	Not Detected	4.9	Not Detected
1,2-Dichlorobenzene	0.96	Not Detected	5.7	Not Detected
1,3-Butadiene	0.96	Not Detected	2.1	Not Detected
Hexane	0.96	Not Detected	3.4	Not Detected
Cyclohexane	0.96	Not Detected	3.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: D.W. AMS#5

Lab ID#: 0708468-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082827**	**Date of Collection: 8/22/07**	
Dil. Factor:	**1.91**	**Date of Analysis: 8/29/07 04:40 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.96	Not Detected	3.9	Not Detected
Bromodichloromethane	0.96	Not Detected	6.4	Not Detected
Dibromochloromethane	0.96	Not Detected	8.1	Not Detected
Cumene	0.96	Not Detected	4.7	Not Detected
Propylbenzene	0.96	Not Detected	4.7	Not Detected
Chloromethane	3.8	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	3.8	Not Detected	28	Not Detected
Hexachlorobutadiene	3.8	Not Detected	41	Not Detected
Acetone	3.8	Not Detected	9.1	Not Detected
Carbon Disulfide	0.96	Not Detected	3.0	Not Detected
2-Propanol	3.8	Not Detected	9.4	Not Detected
trans-1,2-Dichloroethene	0.96	Not Detected	3.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.96	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.96	Not Detected	2.8	Not Detected
1,4-Dioxane	3.8	Not Detected	14	Not Detected
4-Methyl-2-pentanone	0.96	Not Detected	3.9	Not Detected
2-Hexanone	3.8	Not Detected	16	Not Detected
Bromoform	0.96	Not Detected	9.9	Not Detected
4-Ethyltoluene	0.96	Not Detected	4.7	Not Detected
Ethanol	3.8	Not Detected	7.2	Not Detected
Methyl tert-butyl ether	0.96	Not Detected	3.4	Not Detected
3-Chloropropene	3.8	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.96	Not Detected	4.5	Not Detected
Naphthalene	3.8	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	114	70-130
4-Bromofluorobenzene	90	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Aug2007.b/t082827.d
Lab Smp Id: 0708468-02A
Inj Date : 29-AUG-2007 04:40
Operator : ab Inst ID: msdt.i
Smp Info : 200mL #3734
Misc Info : 9.0"Hg-5psi
Comment :
Method : /chem/msdt.i/28Aug2007.b/t14q822b.m
Meth Date : 28-Aug-2007 10:54 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.d
Als bottle: 1
Dil Factor: 1.91000
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		
13.893	13.893 (1.000)	130	137134	25.0000		80.00- 120.00	100.00
13.893	13.893 (1.000)	128	104799			29.13- 129.13	76.42
13.893	13.893 (1.000)	49	287139			243.66- 343.66	209.39
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	539226	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	88733			0.00- 66.35	16.46
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	498660	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	326935			12.59- 112.59	65.56
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.944	14.944 (1.076)	65	296902	28.3853	28.385	80.00- 120.00	100.00
14.944	14.944 (1.076)	67	136089			2.98- 102.98	45.84
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.234	18.206 (1.166)	98	532396	25.3512	25.351	80.00- 120.00	100.00
18.234	18.206 (1.166)	70	68330			0.00- 62.07	12.83

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.234	18.206 (1.166)	100	363702			18.35- 118.35	68.31
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	208244	22.5253	22.525	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	310513			95.41- 195.41	149.11
22.796	22.796 (1.096)	176	195433			45.50- 145.50	93.85
114 Toluene					CAS #: 108-88-3		
18.344	18.344 (1.173)	91	16380	0.58934	1.126	80.00- 120.00	100.00
18.344	18.344 (1.173)	92	10143			12.45- 112.45	61.92

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082827.d
Lab Smp Id: 0708468-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: ab
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 9.0"Hg-5psi

Calibration Date: 28-AUG-2007
Calibration Time: 08:34
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	170933	102560	239306	137134	-19.77
97 1,4-Difluorobenze	720430	432258	1008602	539226	-25.15
126 Chlorobenzene-d5	649286	389572	909000	498660	-23.20

		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	20.81	20.48	21.14	20.81	0.00

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

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28Aug2007
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0708468-02A
Level: LOW Operator: ab
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: 2926Spectra.spk Quant Type: ISTD
Sublist File: AT04.sub
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 9.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	28.385	113.54	70-130
$ 113 Toluene-d8	25.000	25.351	101.40	70-130
$ 137 Bromofluorobenzene	25.000	22.525	90.10	70-130

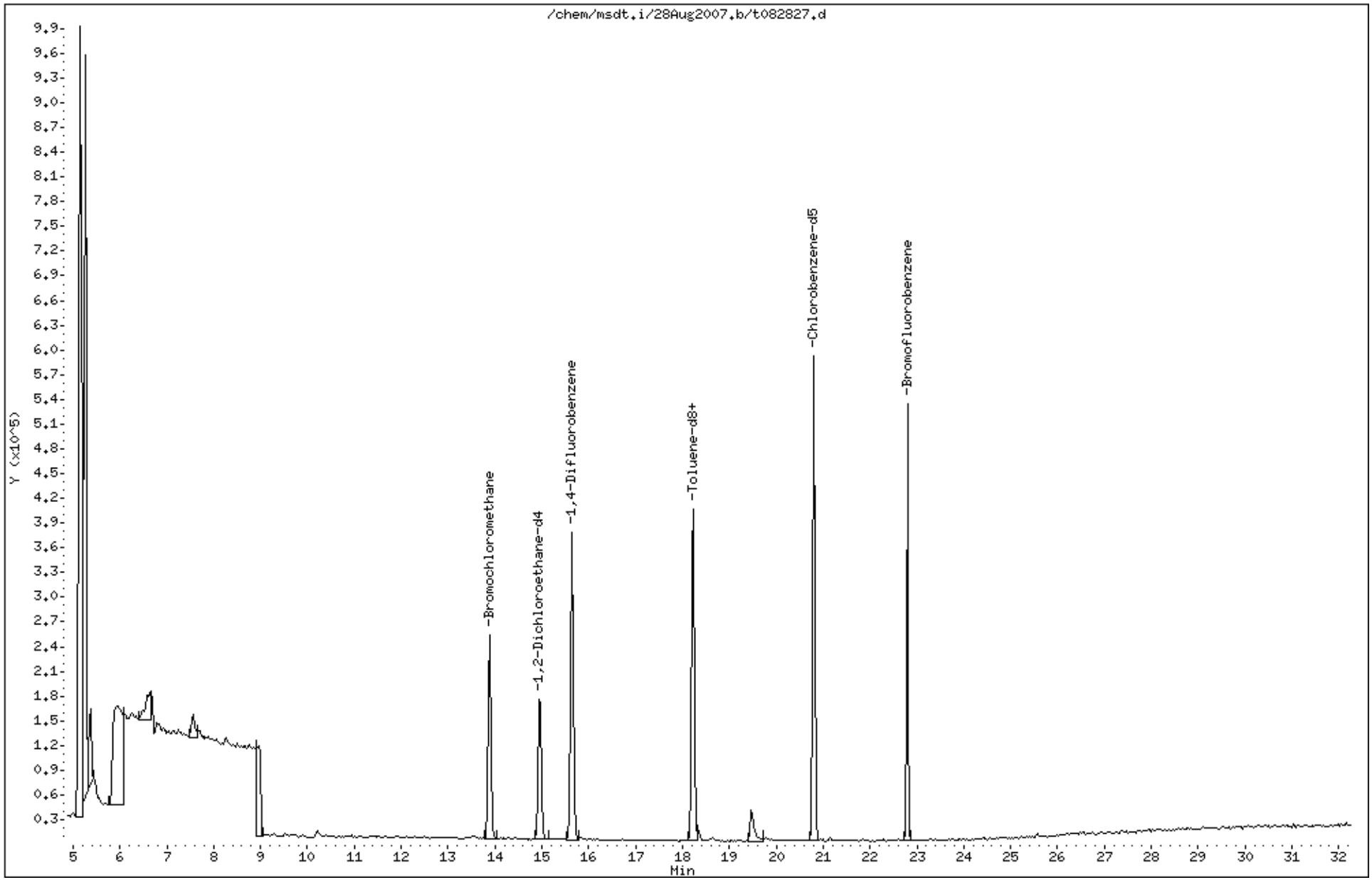
0023

Data File: /chem/msdt.i/28Aug2007.b/t082827.d
Date : 29-AUG-2007 04:40
Client ID:
Sample Info: 200mL #3734

Instrument: msdt.i

Operator: ab
Column diameter: 0.53

Column phase: RTx-624



Data File: /chem/msdt.i/28Aug2007.b/t082827.d

Date : 29-AUG-2007 04:40

Client ID:

Instrument: msdt.i

Sample Info: 200mL #3734

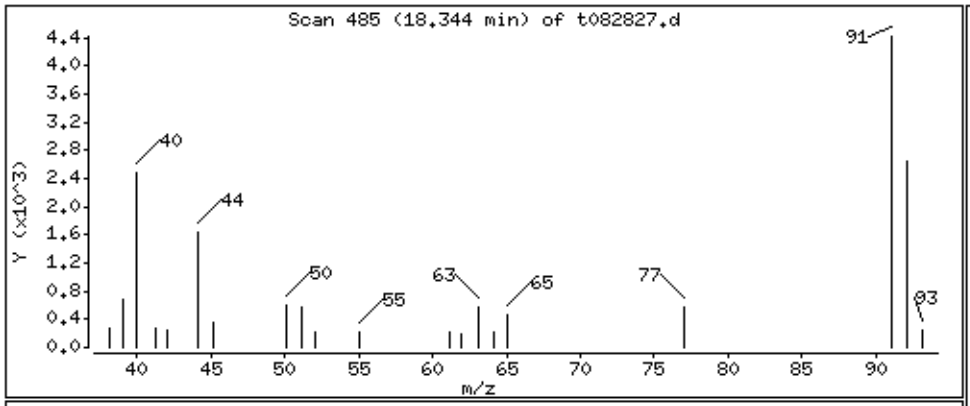
Operator: ab

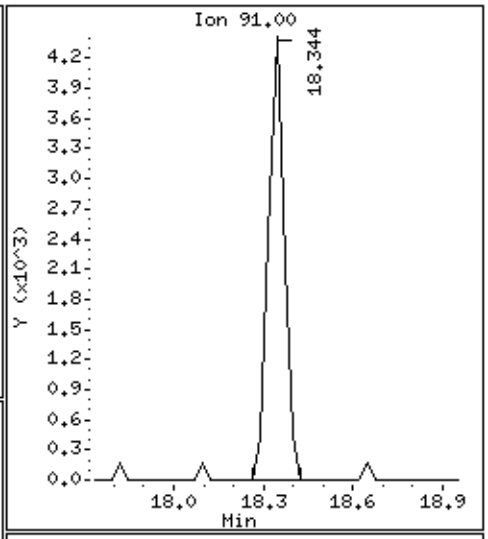
Column phase: RTx-624

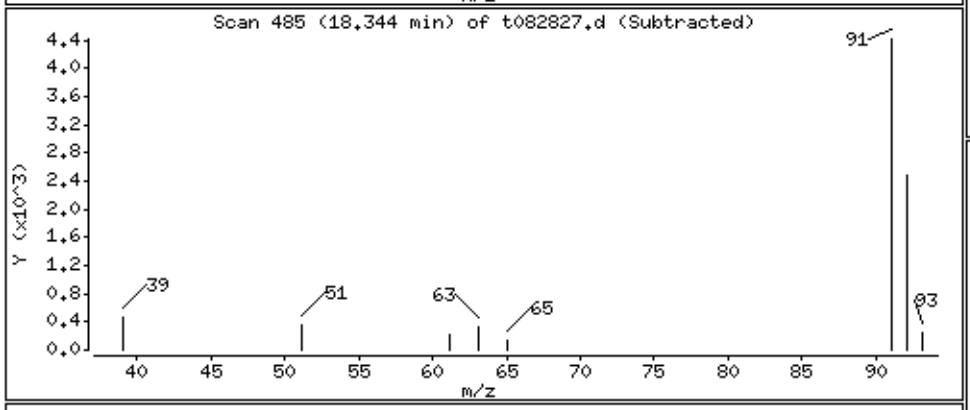
Column diameter: 0.53

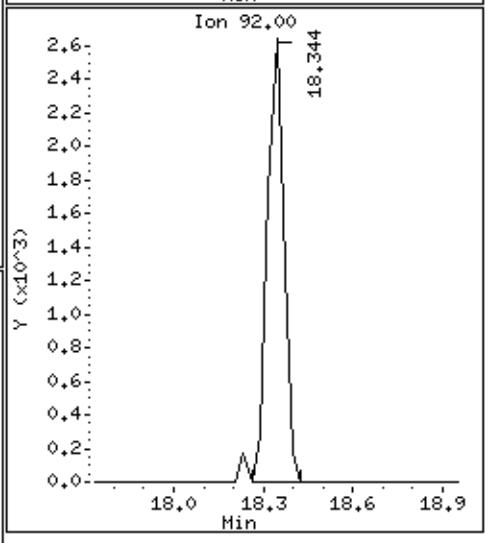
114 Toluene

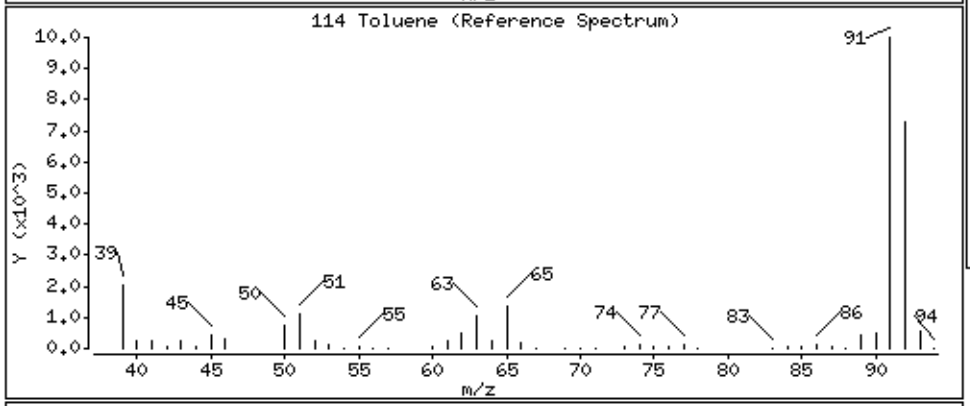
Concentration: 1.126 PPBV

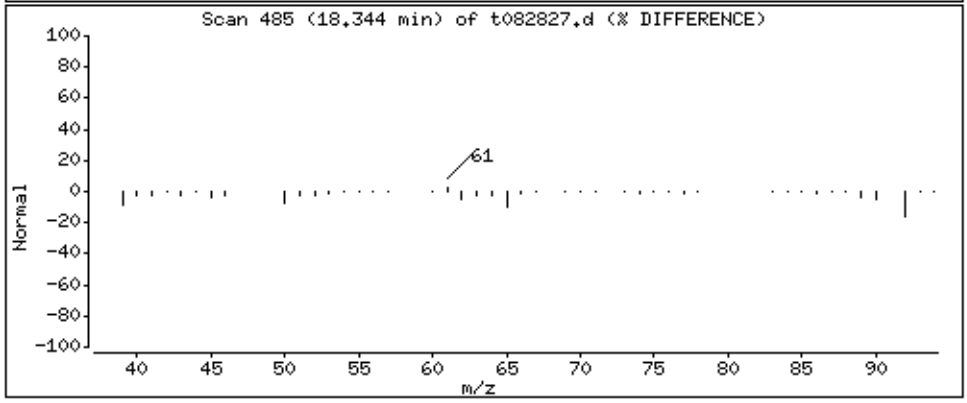












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708468-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 11:58 AM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0708468-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 11:58 AM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	94	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Aug2007.b/t082806.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 28-AUG-2007 11:58
Operator : cb Inst ID: msdt.i
Smp Info : 200mL #31437
Misc Info : Humid
Comment :
Method : /chem/msdt.i/28Aug2007.b/t14q822b.m
Meth Date : 28-Aug-2007 10:54 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.893	13.893 (1.000)	130	175910	25.0000		80.00- 120.00	100.00
13.893	13.893 (1.000)	128	135012			29.13- 129.13	76.75
13.893	13.893 (1.000)	49	335897			243.66- 343.66	190.95
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	663098	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	107269			0.00- 66.35	16.18
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	588052	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	368394			12.59- 112.59	62.65
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.971	14.944 (1.078)	65	333797	24.8781	24.878	80.00- 120.00	100.00
14.971	14.944 (1.078)	67	157390			2.98- 102.98	47.15
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.234	18.206 (1.166)	98	639020	24.7441	24.744	80.00- 120.00	100.00
18.234	18.206 (1.166)	70	79232			0.00- 62.07	12.40

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.234	18.206 (1.166)	100	439323			18.35- 118.35	68.75
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	256772	23.5524	23.552	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	362129			95.41- 195.41	141.03
22.796	22.796 (1.096)	176	244817			45.50- 145.50	95.34

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082806.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: Humid

Calibration Date: 28-AUG-2007
Calibration Time: 08:34
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	170933	102560	239306	175910	2.91
97 1,4-Difluorobenze	720430	432258	1008602	663098	-7.96
126 Chlorobenzene-d5	649286	389572	909000	588052	-9.43

		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	20.81	20.48	21.14	20.81	0.00

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

Report Date: 28-Aug-2007 12:22

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28Aug2007
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.sub
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	24.878	99.51	70-130
$ 113 Toluene-d8	25.000	24.744	98.98	70-130
$ 137 Bromofluorobenzene	25.000	23.552	94.21	70-130

Data File: /chem/msdt.i/28Aug2007.b/t082806.d

Date : 28-AUG-2007 11:58

Client ID: Lab Blank

Sample Info: 200mL #31437

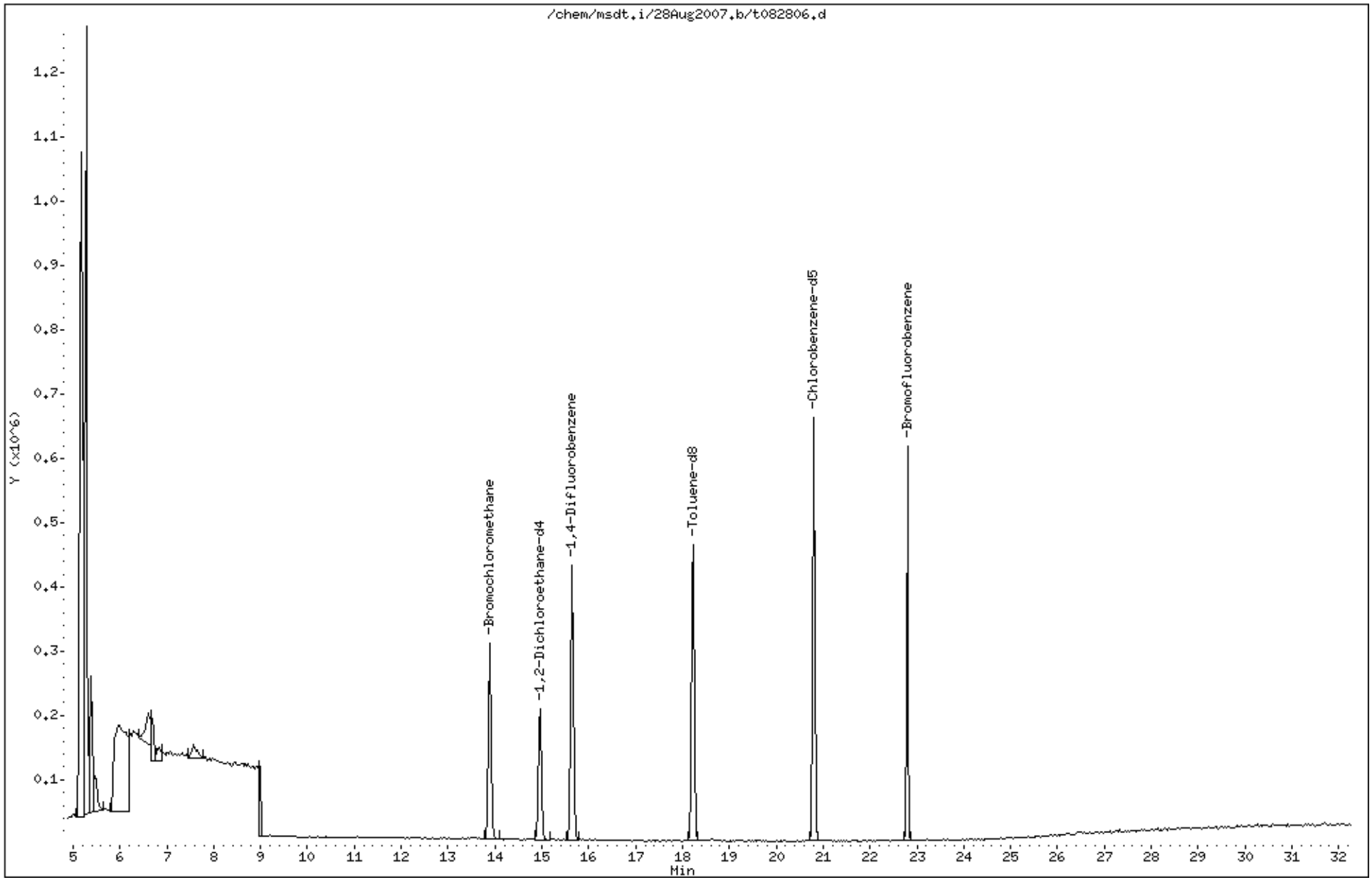
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0032



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0708468

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	U.W. AMS#1	114		102		90				0
02	D.W. AMS#5	114		101		90				0
03	Lab Blank	100		99		94				0
04	CCV	110		103		106				0
05	LCS	102		104		105				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: 0708468
Lab File ID: t082802.d
Date Analyzed: 08/28/2007
Instrument ID: msdt.i
Time Analyzed: 08:34 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	649286		20.81		720430		15.63		170933		13.89	
	UPPER LIMIT	909000		21.14		1008602		15.96		239306		14.22	
	LOWER LIMIT	389572		20.48		432258		15.30		102560		13.56	
	CLIENT SAMPLE NO												
01	U.W. AMS#1	523887		20.81		549351		15.63		142552		13.89	
02	D.W. AMS#5	498660		20.81		539226		15.63		137134		13.89	
03	Lab Blank	588052		20.81		663098		15.63		175910		13.89	
04	CCV	649286		20.81		720430		15.63		170933		13.89	
05	LCS	673345		20.81		738259		15.63		181692		13.89	
06													
07													
08													
09													
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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 : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 cbond
Curve Type : Average

Calibration File Names:
Level 1: /chem/msdt.i/22Aug2007.b/t082205.d
Level 2: /chem/msdt.i/22Aug2007.b/t082206.d
Level 3: /chem/msdt.i/23Aug2007.b/t082302.d
Level 4: /chem/msdt.i/23Aug2007.b/t082303.d
Level 5: /chem/msdt.i/23Aug2007.b/t082304.d
Level 6: /chem/msdt.i/22Aug2007.b/t082210.d
Level 7: /chem/msdt.i/23Aug2007.b/t082306.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
1 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
5 Freon 143a	+++++	+++++	2.15259	2.08208	1.96464	+++++	2.23223	2.10789	5.384
6 Freon142b	+++++	+++++	3.35306	3.53327	3.73838	+++++	3.43262	3.51433	4.740
7 Propanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
8 Freon 14	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
9 Freon 13	+++++	+++++	3.06522	3.67769	3.05912	+++++	3.12264	3.23117	9.255	
199 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
13 Freon 134a	+++++	+++++	1.43438	1.51077	1.55362	+++++	1.41858	1.47934	4.314	
10 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
11 Propylene	+++++	+++++	1.35098	1.45895	1.35206	1.31534	1.33695	1.36286	4.089	
15 Freon 152a	+++++	+++++	2.02942	1.98408	0.86856	+++++	+++++	1.62735	40.405	<-
12 Dichlorodifluoromethane/Fr12	+++++	4.16578	4.69001	5.11153	4.77978	4.51828	4.29692	4.59372	7.471	
17 Freon 22	+++++	+++++	0.44686	0.40803	0.44495	+++++	0.40446	0.42608	5.388	
14 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
16 Freon 114	+++++	3.68168	3.24247	5.58966	4.02562	3.85795	3.09802	3.91590	22.824
18 Chloromethane	+++++	+++++	1.84498	1.74322	1.60306	1.51175	1.54224	1.64905	8.556
21 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
20 Vinyl Chloride	+++++	1.55089	1.80980	1.95773	1.85969	1.82939	1.78689	1.79907	7.524
19 Butane	+++++	+++++	0.41526	0.76517	0.55376	0.55120	0.42279	0.54164	26.160
22 1,3-Butadiene	+++++	2.23619	1.87728	3.45849	2.48649	2.64875	2.02062	2.45464	23.159
26 Methanol	+++++	+++++	0.91270	0.66100	0.67559	+++++	0.63383	0.72078	17.913
25 Bromomethane	+++++	1.29825	1.38236	1.59884	1.49828	1.49385	1.50212	1.46228	7.226
28 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
27 Chloroethane	+++++	0.72943	0.90690	1.00589	0.90579	0.91496	0.91837	0.89689	10.083

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
29 Isopentane	+++++	+++++	4.96128	6.66255	5.71991	6.07874	5.38849	5.76219	11.293
30 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Dichlorofluoromethane/Fr21	+++++	+++++	2.54640	2.69785	3.34808	+++++	2.78803	2.84509	12.296
35 1-Pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
31 Trichlorofluoromethane/Fr11	+++++	6.48417	7.02775	10.58805	8.53864	8.67454	6.91550	8.03811	19.155
37 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
33 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
36 Methacrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
38 Ethanol	+++++	+++++	0.89190	1.54420	1.10119	1.01637	0.82928	1.07659	26.197

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
39 Ethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Freon123a	+++++	+++++	4.24984	3.77324	4.76828	+++++	3.54540	4.08419	13.279
41 Freon123	+++++	+++++	5.22492	4.70652	5.85473	+++++	4.53128	5.07936	11.712
44 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Freon 113	+++++	4.71443	4.66741	6.15599	5.35168	5.80054	5.12597	5.30267	11.186
43 1,1-Dichloroethene	+++++	2.90208	2.82224	4.28121	3.55610	3.95385	3.53633	3.50863	16.309
45 Acetone	+++++	+++++	1.11731	1.33315	1.09246	1.34938	1.18447	1.21535	9.866
46 2-Propanol	+++++	+++++	3.62812	6.41881	5.33691	6.39436	5.60726	5.47709	20.784
48 Ethyl acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
47 Carbon Disulfide	+++++	3.77447	4.05445	5.27615	4.79059	4.96376	4.80368	4.61052	12.444

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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							
49 Iodomethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
50 Methyl Methacrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
23 Methyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 3-Chloropropene	+++++	+++++	0.59672	0.89217	0.80425	0.94048		
	0.90107						0.82694	16.686
52 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
53 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
55 Cyclopentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
56 Cyclopentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 Methylene Chloride	+++++	2.25535	2.31920	2.95250	2.46853	2.58826		
	2.34412						2.48799	10.318
57 tert-Butyl-Alcohol	+++++	+++++	4.06803	2.73848	3.85986	+++++		
	2.39713						3.26588	25.182

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Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
58 Freon143a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
59 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
60 MTBE	+++++	3.89323	2.93858	4.87506	4.27197	4.23620		
	3.50586						3.95348	17.023
61 trans-1,2-Dichloroethene	+++++	1.55341	1.62546	2.06251	1.79890	1.98087		
	1.92505						1.82437	11.098
62 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
66 1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
63 2-Pentanone	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
64 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
65 Hexane	+++++	2.72760	3.15056	4.86227	4.43013	5.02519		
	5.13946						4.22254	24.432
67 2,4,4-Trimethyl-1-pentene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

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Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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
68 Isopropyl ether	+++++	+++++	8.42042	8.92235	10.95789	+++++	10.19591	9.62414	12.069
69 Vinyl Acetate	+++++	+++++	0.24631	0.44949	0.43402	0.47676	0.46923	0.41516	23.091
70 1,1-Dichloroethane	+++++	3.12623	3.22596	4.59285	4.07664	4.39528	4.18491	3.93365	15.605
71 1-Propanol	+++++	+++++	0.47916	0.44106	0.49977	+++++	0.44885	0.46721	5.828
24 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 2,4,4-Trimethyl-2-pentene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
73 t-Butylethyl Ether	+++++	+++++	6.81115	6.60955	9.19429	+++++	7.44579	7.51520	15.632
74 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Ethyl Acetate	+++++	+++++	0.79289	0.65422	0.81502	+++++	0.72840	0.74763	9.671
78 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
75 2-Butanone	+++++	0.61723	0.64375	0.92441	0.85213	0.91943	0.89047	0.80790	17.337
76 cis-1,2-Dichloroethene	+++++	1.79041	2.15778	2.89298	2.67553	2.71404	2.59709	2.47130	16.744
79 Methyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 Tetrahydrofuran	+++++	2.27956	2.00397	2.70120	2.49992	2.56561	2.42476	2.41250	10.139
82 Chloroform	3.16483	2.62246	3.36504	4.36806	3.89976	3.92881	3.65427	3.57189	16.105
84 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 1,1,1-Trichloroethane	+++++	3.33021	4.06192	5.44377	4.83488	5.02116	4.75662	4.57476	16.553
85 Cyclohexane	+++++	1.61039	1.89889	3.00609	2.78379	3.05884	2.97050	2.55475	24.788
86 1-Bromo-2-Chloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
88 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
87 Carbon Tetrachloride	+++++	2.98201	3.72285	4.89019	4.37971	4.44120	4.20907	4.10417	16.246
99 Isobutanol	+++++	+++++	0.00555	0.01071	0.01317	+++++	0.01309	0.01063	33.625
89 2,2,4-Trimethylpentane	+++++	7.42035	9.04993	14.60701	12.43152	14.35597	14.14824	12.00217	25.497
91 Benzene	1.68505	0.92870	1.09255	1.38603	1.30161	1.24587	1.21405	1.26484	18.771
92 tert-amyl-Methyl Ether	+++++	+++++	4.31685	4.34199	5.82860	+++++	5.04215	4.88240	14.640
96 2-Heptanone	+++++	+++++	1.55006	2.04652	2.83386	+++++	3.32942	2.43997	32.556
93 1,2-Dichloroethane	+++++	0.47104	0.63413	0.76873	0.68815	0.64444	0.61447	0.63683	15.399
94 Heptane	+++++	0.26993	0.31873	0.47814	0.45743	0.45784	0.46512	0.40787	21.968
95 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
98 1-Butanol	+++++	+++++	0.19512	0.23530	0.33092	+++++	0.36737	0.28218	28.505

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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
100 trans-1,4-dichloro-2-butene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 Trichloroethene	+++++	0.37355	0.46497	0.56787	0.52832	0.50730	0.48673	0.48812	13.592
102 Methyl Cyclohexane	+++++	1.73066	2.28703	3.39017	3.20955	3.38954	3.35684	2.89396	24.567
103 Alphamethylstyrene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
104 1,2-Dichloropropane	+++++	0.34334	0.44998	0.55262	0.51848	0.49939	0.49476	0.47643	15.381
106 1,4-Dioxane	+++++	+++++	0.20146	0.31881	0.30531	0.29959	0.30049	0.28513	16.625
105 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
107 Bromodichloromethane	+++++	0.74190	0.87859	1.06810	1.00721	0.93288	0.89072	0.91990	12.299
108 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
200 2-Chloroethyl vinyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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							
109 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
110 cis-1,3-Dichloropropene	+++++	0.45674	0.52592	0.73653	0.70573	0.67208		
	0.66409						0.62685	17.593
111 4-Methyl-2-pentanone	+++++	0.24814	0.28637	0.47897	0.47056	0.47063		
	0.48757						0.40704	26.810
112 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
114 Toluene	+++++	1.01387	1.13643	1.45616	1.40809	1.35708		
	1.35989						1.28859	13.475
115 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
116 trans-1,3-Dichloropropene	+++++	0.52559	0.71959	0.95011	0.86364	0.84741		
	0.80420						0.78509	18.831
117 1,1,2-Trichloroethane	+++++	0.39716	0.58616	0.66270	0.60650	0.59653		
	0.56905						0.56968	15.849
120 Tetrachloroethene	+++++	0.52630	0.67642	0.81144	0.73691	0.72646		
	0.68667						0.69403	13.695
121 2-Hexanone	+++++	+++++	0.42140	0.75829	0.72068	0.74742		
	0.74118						0.67779	21.243

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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							
118 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
119 Butyl Acetate	+++++	+++++	0.34826	0.42441	0.52228	+++++		
	0.58216						0.46928	22.080
122 Dibromochloromethane	+++++	0.65451	0.91214	1.16867	1.07287	1.05002		
	1.00260						0.97680	18.321
123 1,2-Dibromoethane	+++++	0.63569	0.86629	1.07605	1.00774	0.99612		
	0.95165						0.92226	16.974
127 Chlorobenzene	+++++	0.95311	1.31028	1.45621	1.34006	1.33371		
	1.29690						1.28171	13.313
124 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
128 Ethyl Benzene	+++++	0.47100	0.57555	0.74012	0.68870	0.69369		
	0.67818						0.64121	15.509
125 1,1,1,2-Tetrachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
129 m,p-Xylene	+++++	0.48625	0.66518	0.90121	0.84893	0.86833		
	0.85259						0.77042	21.045
130 o-Xylene	+++++	0.44014	0.57859	0.83114	0.78413	0.79050		
	0.77956						0.70068	22.208

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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
131 Styrene	0.92321	0.68558	0.80959	1.32863	1.27707	1.30228	1.30873	1.09073	25.243
132 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
133 Bromoform	+++++	0.53720	0.84007	1.03081	0.97141	0.96787	0.94541	0.88213	20.416
134 Cumene	1.75709	1.18572	1.50004	2.11149	1.99757	2.03862	2.04253	1.80472	19.206
135 Cyclohexanone	+++++	+++++	0.45041	0.54354	0.69245	+++++	0.77296	0.61484	23.596
140 1,1,2,2-Tetrachloroethane	+++++	0.93194	1.16659	1.39472	1.29752	1.30262	1.28478	1.22970	13.254
136 Bromobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
138 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
142 Propylbenzene	+++++	1.43779	1.76548	2.55386	2.44290	2.53802	2.57774	2.21930	22.154
139 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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							
144 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
145 4-Ethyltoluene	+++++	0.97413	1.37773	2.05816	1.94727	2.06946		
	2.13068						1.75957	26.908
141 2-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
147 1,3,5-Trimethylbenzene	+++++	0.88505	1.36623	1.75846	1.66474	1.70794		
	1.72337						1.51763	22.466
143 4-Chlorotoluene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
146 Diisobutyl Ketone	+++++	+++++	0.88552	1.07639	1.35773	+++++		
	1.47829						1.19948	22.396
148 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 1,2,4-Trimethylbenzene	+++++	0.81906	1.02741	1.48752	1.44476	1.52478		
	1.57257						1.31268	23.740
201 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
152 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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							
149 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
151 bis(2-chloroethyl)ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
153 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
155 1,3-Dichlorobenzene	+++++	0.65942	0.86196	1.03983	0.99255	1.06147		
	1.10288						0.95302	17.420
154 1,2,3-Trimethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
156 1,4-Dichlorobenzene	+++++	0.73974	0.84423	1.04260	1.00126	1.06915		
	1.12147						0.96974	15.146
157 Indan	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
159 alpha-Chlorotoluene	+++++	0.92339	0.95547	1.40959	1.40245	1.53233		
	1.65155						1.31246	23.102
158 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
160 Indene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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
161 1,2-Dichlorobenzene	+++++	0.53970	0.67873	0.91009	0.88453	0.94582	1.00520	0.82734	21.663
203 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
162 1,2-Dibromo-3-Chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Aniline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
164 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
165 1,2,4-Trichlorobenzene	+++++	+++++	0.32857	0.33947	0.30559	0.38951	0.45722	0.36407	16.599
166 Hexachlorobutadiene	+++++	+++++	0.55981	0.51405	0.47824	0.54690	0.56481	0.53276	6.821
167 Naphthalene	+++++	+++++	0.82505	0.75505	0.66924	0.89589	1.04971	0.83899	17.241
202 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdt.i/23Aug2007.b/t14q822b.m
Cal Date : 23-Aug-2007 13:11 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
169 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
170 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 90 1,2-Dichloroethane-d4	1.81943	1.87966	1.97627	1.90192	1.90727	1.91184	1.95150	1.90684	2.643
$ 113 Toluene-d8	0.95825	0.96423	0.96238	0.97304	0.99647	0.97197	0.98923	0.97365	1.464
$ 137 Bromofluorobenzene	0.43022	0.43610	0.42869	0.47548	0.46994	0.49246	0.51149	0.46349	7.045

Calibration History

Method : /chem/msdt.i/23Aug2007.b/t14q822b.m
Start Cal Date: 22-AUG-2007 09:46
End Cal Date : 23-AUG-2007 11:51

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
22-AUG-2007 09:46	AFCEElow	/chem/msdt.i/22Aug2007.b/t082205.d
Cal Level: 2 , Cal Amount: 0.50000		
22-AUG-2007 10:27	AT04low+ENSR	/chem/msdt.i/22Aug2007.b/t082206.d
Cal Level: 3 , Cal Amount: 2.00000		
23-AUG-2007 08:44	sp22b	/chem/msdt.i/23Aug2007.b/t082302.d
22-AUG-2007 11:09	AT04mdl+ENSR	/chem/msdt.i/22Aug2007.b/t082207.d
Cal Level: 4 , Cal Amount: 25.00000		
23-AUG-2007 09:25	sp22b	/chem/msdt.i/23Aug2007.b/t082303.d
22-AUG-2007 11:50	AT04mdl+ENSR	/chem/msdt.i/22Aug2007.b/t082208.d
Cal Level: 5 , Cal Amount: 50.00000		
23-AUG-2007 10:06	sp22b	/chem/msdt.i/23Aug2007.b/t082304.d
22-AUG-2007 12:29	AT04mdl+ENSR	/chem/msdt.i/22Aug2007.b/t082209.d
Cal Level: 6 , Cal Amount: 100.00000		
22-AUG-2007 13:08	AT04mdl+ENSR	/chem/msdt.i/22Aug2007.b/t082210.d
Cal Level: 7 , Cal Amount: 200.00000		
23-AUG-2007 11:51	sp22b	/chem/msdt.i/23Aug2007.b/t082306.d
22-AUG-2007 13:48	AT04mdl+ENSR	/chem/msdt.i/22Aug2007.b/t082211.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
23-AUG-2007 12:49	AT04ENSR	/chem/msdt.i/23Aug2007.b/t082307.d
Ccal Level: 5 , Ccal Amount: 50.000		
23-AUG-2007 10:06	sp22bccv	/chem/msdt.i/23Aug2007.b/t082304a.d
Ccal Level: 5 , Ccal Amount: 50.000		
23-AUG-2007 10:06	sp22b	/chem/msdt.i/23Aug2007.b/t082304.d

Initial Calibration Narrative

A 7 point initial calibration was analyzed on MSD-T on 22 August 2007.

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

Chloroform, Benzene, Cumene, and Styrene.

Initial Calibration Narrative

A 4 point initial calibration was analyzed on MSD-T on 23 August 2007.

a. anomalous unacceptable linearity for Fr152a

@ Air Toxics Ltd.

MSD-T

Logbook #: 1533

0057

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	24.49
75	30.0 – 60.0% of mass 95	47.26
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.75
173	Less than 2.0% of mass 174	(0.65)[1]
174	Greater than 50.0% of mass 95	66.40
175	5.0 – 9.0% of mass 174	(7.13)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.93)[1]
177	5.0 – 9.0% of mass 176	(6.56)[2]

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

Verify 176/174 m/z Ratio: 690856 / 720202 x 100 = 95.9257%

BFB Injection Date: 8/22/07

BFB Injection Time: 0923

BFB File ID: T082204

Tekmar Purge Flow: N/A

Vacuum: 2.31 x 10⁻⁵ torr

IS/S Std.#: ~~[illegible]~~ 1487-369		Exp. Date: 11/20/07
BCM	210206	
1,4-DFB	855220	
CB-d5	776619	

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

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(400920)}{(210206)} \times \frac{(25.0)}{(1.90684)} = 25.006$

Reported Result 25.006

File ID:	T082209
Compound:	1,2-DCA-d4
Initials:	CB

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T082204	BFB Tune Check	1476-58	50ng	2uL	1.00	CB	8/22/07	0923	CB	
2	✓	05	ICAL Level 1	1443-270	200 ppbv - 0.2 ppbv	0.2mL	↓	CB	↓	0946	CB	t14q822a
3	✓	06	2	↓	200 ppbv - 0.5 ppbv	0.5mL	↓	CB	↓	1027	CB	↓
4	✓	07	3	↓	200 ppbv - 2 ppbv	2mL	↓	CB	↓	1109	CB	↓
5	✓	08	4	↓	200 ppbv - 25 ppbv	25mL	↓	CB	↓	1150	CB	↓
6	✓	09	5	↓	200 ppbv - 50 ppbv	50mL	↓	CB	↓	1229	CB	CCV
7	✓	10	6	↓	200 ppbv - 100 ppbv	100mL	↓	CB	↓	1308	CB	↓
8	✓	11	7	↓	200 ppbv	200mL	↓	CB	↓	1348	CB	↓
9	✓	12	System Blank	31437	Humid	200mL	↓	CB	↓	1430	CB	

Signature [signature]

Date 8/22/07

10	✓	T082213	LCS-1 (200 ppbv)	1443-164	50 ppbv	50mL	1.00	CB	8/22/07	1513	CB	TCAL LCS	
11	✓	14	LCSD (200 ppbv)	↓	↓	↓	1.00	CB		1552	CB/LO		
12	✓	15	Lab Blank	31437	Humid	200mL	1.00	AB		1643	AB/LO		
13	✓	16	0708212E-97A	9397	3.5"Hg-5psi	200mL	1.52	AB		1729	AB/LO		
14	✓	17	0708225-01A	2124	5.0"Hg-15psi	7.0mL	69.1	AB		1819	LO	RR @ 10mL	
15	✓	18	↓ -01A	↓	↓	10mL	48.4	AB		1905	AB/LO		
16	X	19	0708262C-11AB	35156	5.0"Hg-5psi	10mL	32.2	AB		1953	KR	RRCW 50mL	
17	X ✓	20	0708262C-11AB	35156	5.0"Hg-5psi	55mL	5.85	KR		2039	AB/KR	Dilute for NT	
18	✓	21	0708203B-01A	33580	↓	25mL	12.9	AB		2134	AB/LO		
19	X	22	↓ -03A	13132	4.5"Hg-5psi	15mL	21.1	AB		2238	—		
20	✓	23	↓ -03A	↓	↓	125mL	2.53	AB		2336	KR		
21	✓	24	0708396-01A	12363	20"Hg-15psi	15mL	28.8	KR	8/23/07	0023	KR		
22	✓	25	0708221-01A	9913	10.5"Hg-5psi	200mL	2.06	KR		0106	KR		
23	✓	26	0708396-01AA	12363	20"Hg-15psi	15mL	28.8	KR		0144	KR		
24	✓	27	0708221-02A	9408	6.5"Hg-5psi	200mL	1.71	KR		0226	KR		
25	X	28	0708432-01A	bag	NA	100mL	2.00	KR		0306	KR	RR 200mL	
26	✓	29	0708258-01A	05709	6.0"Hg-5psi	200mL	1.68	KR		0345	KR		
27	✓	30	↓ -02A	20943	6.0"Hg-5psi	200mL	1.68	KR		0423	KR		
28	✓	31	0708432-01A	bag	NA	200mL	1.00	KR	↓	0519	KR		
29													
30													
31			LO 8/23/07										
32													

0058

Comments: Flow Controller SN #AA98123220

NIST Flowmeter SN # 11881 2 Actual = 24.6 mL/min

Nominal = 22.1 mL/min

Laura Overmyer
Signature

8/23/07
Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1533

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	25.20
75	30.0 – 60.0% of mass 95	48.55
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.72
173	Less than 2.0% of mass 174	(0.65)[1]
174	Greater than 50.0% of mass 95	65.39
175	5.0 – 9.0% of mass 174	(7.26)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.22)[1]
177	5.0 – 9.0% of mass 176	(6.57)[2]

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

Verify 176/174 m/z Ratio: 696002/723362 × 100 z

BFB Injection Date: 8/23/07
BFB Injection Time: 0810
BFB File ID: T082301
Tekmar Purge Flow: 16.0 mL/min
Vacuum: 2.61×10^{-5} torr

IS/S Std.#:	1487-369	Exp. Date: 11/20/07
BCM	200007	
1,4-DFB	836569	
CB-d5	741981	

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

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

Calculation Check:

$$\text{ppbv of compound} = \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(381228)}{(200007)} \times \frac{(25.0)}{(1.90684)} = 24.990$$

Reported Result 24.990

File ID: T082307
Compound: 1,2-DCA-d4
Initials: CB

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T082301	BFB Tune Check	1476-58	50ng	2uL	1.00	CB	8/23/07	0810	CB	
2	✓	02	ICAL Level 3	1487-368	200 ppbv – 2 ppbv	2mL	↓	CB	↓	0844	CB	1200 → 12 ppbv MeOH t14q822b
3	✓	03	4	↓	200 ppbv – 8 ppbv	8mL		CB		0925	CB	1200 → 48 ppbv MeOH
4	✓	04	5		200 ppbv – 50 ppbv	50mL		CB		1006	CB	1200 → 300 ppbv MeOH ↓ CCV
5	X	05	7		200 ppbv	200mL		CB		1049	CB	1200 ppbv MeOH
6	✓	06	7		200 ppbv	200mL		CB		1151	CB	t14q822b
7	✓	07	CCV-1 (200 ppbv)	1443-270	50 ppbv	50mL		CB		1249	CB	
8	✓	08	LCS-1 (200 ppbv)	1443-164	50 ppbv	50mL		CB		1328	CB	
9	✓	↓ 09	Lab Blank	31437	Humid	200mL	↓	CB	↓	1423	CB	

Signature [signature] 8/23/07 Date

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

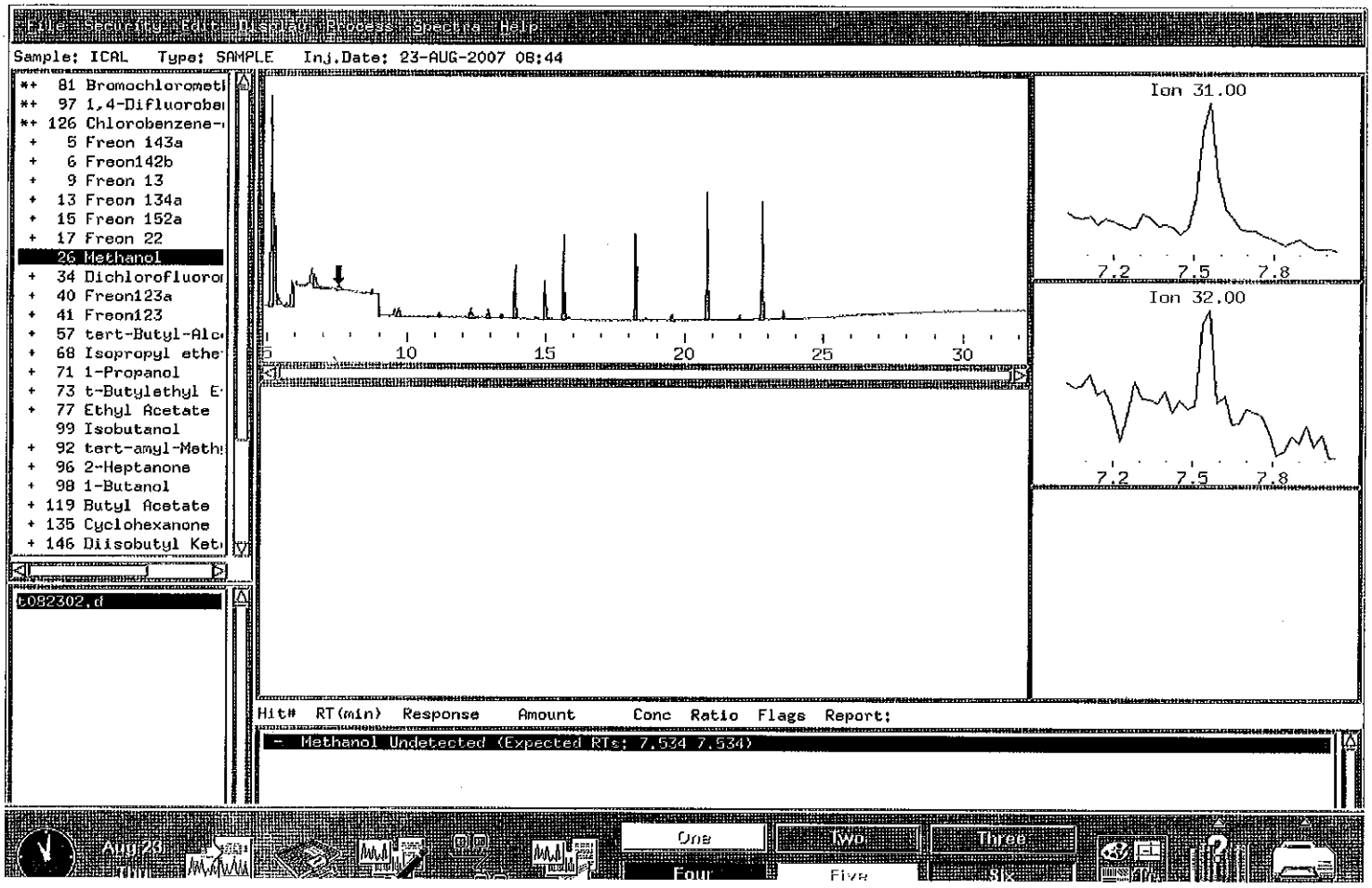
Bromochloromethane
Target Compounds:
Freon 12
Freon 114
Chloromethane
Vinyl Chloride
1,3-Butadiene
Bromomethane
Chloroethane
Freon 11
Ethanol
Freon 113
1,1-Dichloroethene
Acetone
2-Propanol
Carbon Disulfide
3-Chloropropene
Methylene Chloride
Methyl tert-butyl ether
trans-1,2-Dichloroethene
Hexane
1,1-Dichloroethane
2-Butanone (Methyl Ethyl Ketone)
cis-1,2-Dichloroethene
Tetrahydrofuran
Chloroform
1,1,1-Trichloroethane
Cyclohexane
Carbon Tetrachloride
2,2,4-Trimethylpentane
Surrogates:
1,2-Dichloroethane-d4

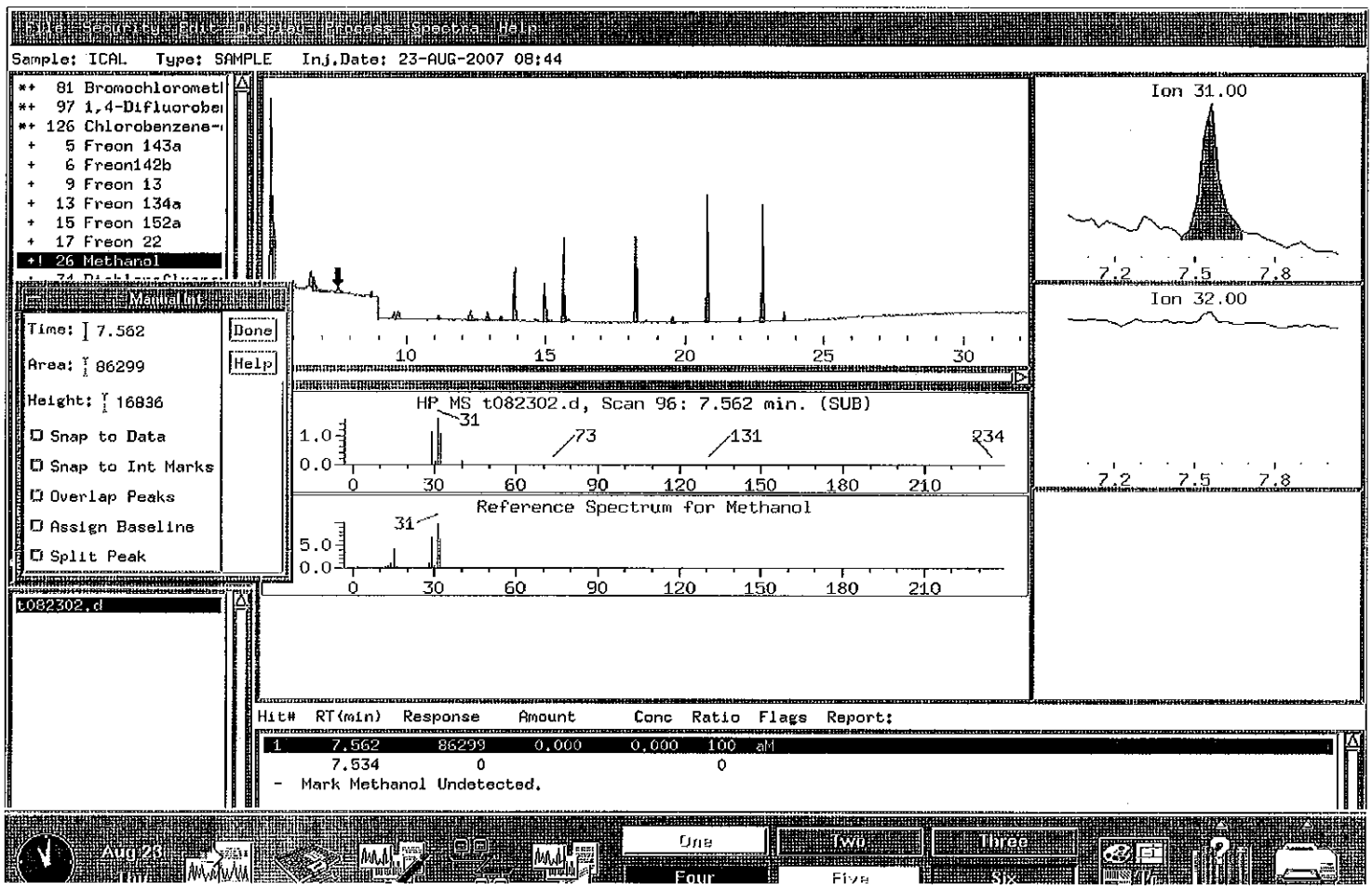
1,4-Difluorobenzene
Target Compounds:
Benzene
1,2-Dichloroethane
Heptane
Trichloroethene
1,2-Dichloropropane
1,4-Dioxane
Bromodichloromethane
cis-1,3-Dichloropropene
4-Methyl-2-pentanone
Toluene
Surrogates:
Toluene-d8

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

Team VOC	
Date / Initial	CB 8/24/07
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

NK 8/24/07

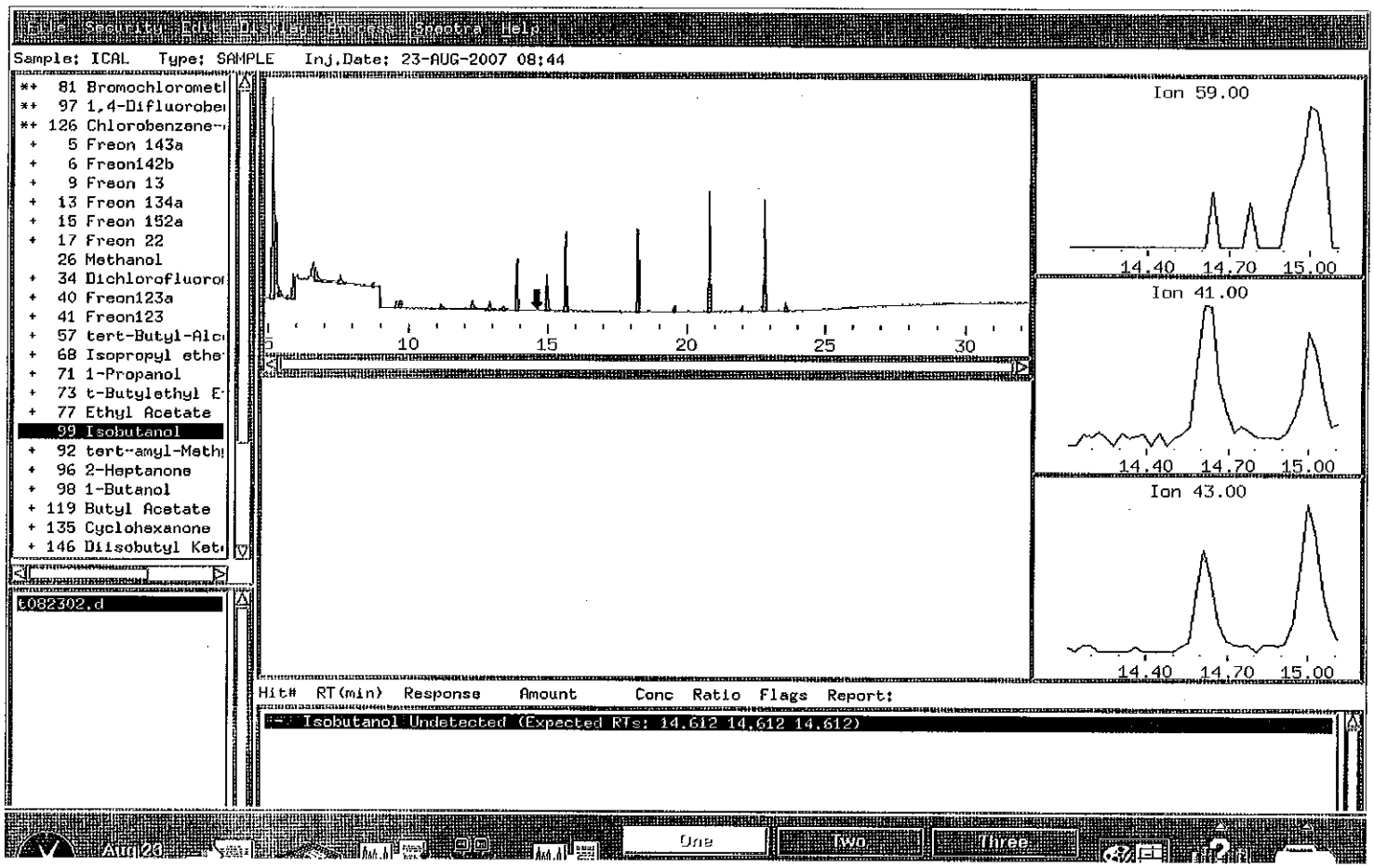


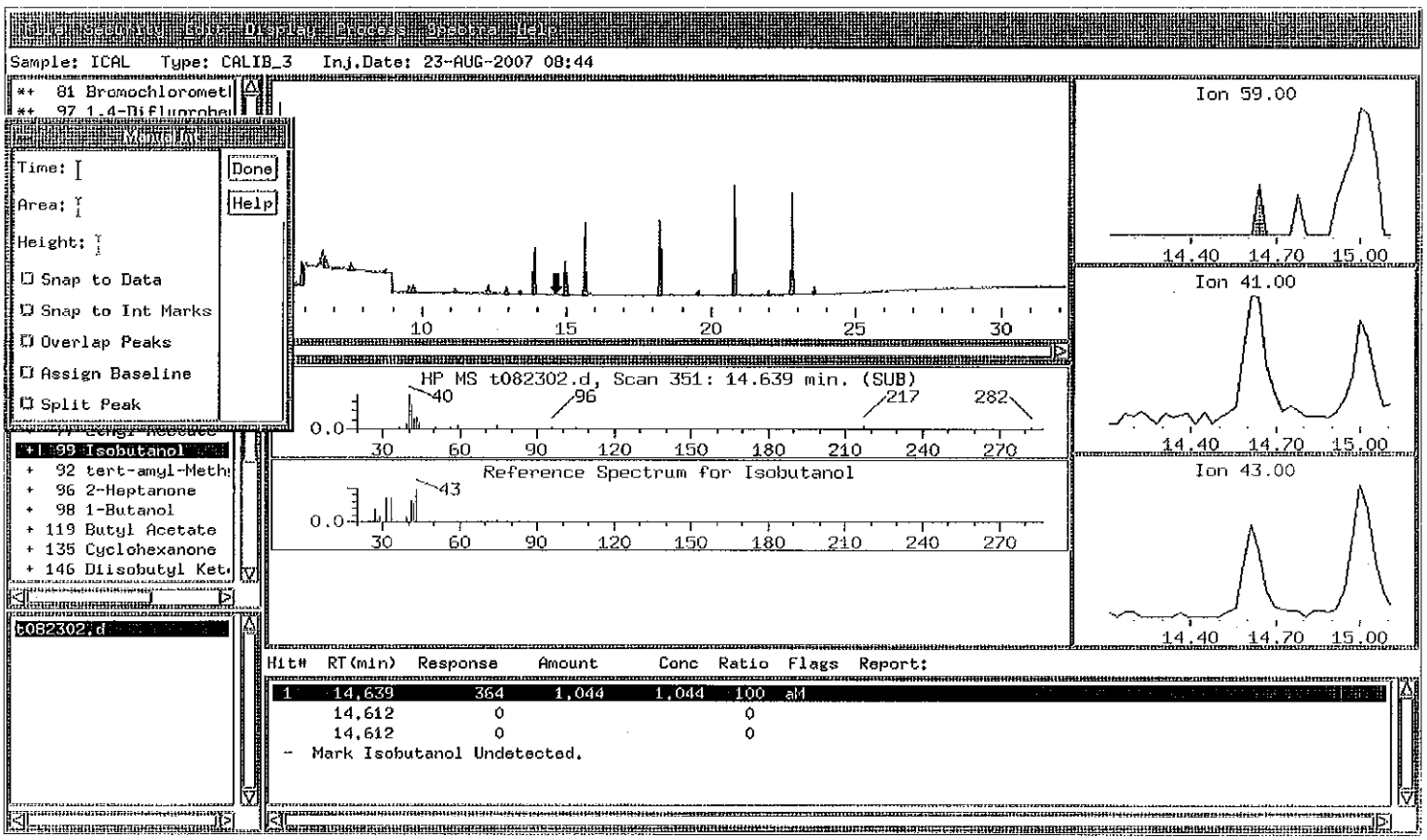

Sample: ICAL Type: SAMPLE Inj.Date: 23-AUG-2007 08:44
81 Bromochlorometl
97 1,4-Difluorobe
126 Chlorobenzene-
5 Freon 143a
6 Freon142b
9 Freon 13
13 Freon 134a
15 Freon 152a
17 Freon 22
26 Methanol
Manual Int
Time: 7.562
Area: 86299
Height: 16836
Done
Help
Snap to Data
Snap to Int Marks
Overlap Peaks
Assign Baseline
Split Peak
HP_MS t082302.d, Scan 96: 7.562 min. (SUB)
Reference Spectrum for Methanol
Ion 31.00
Ion 32.00
t082302.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 7.562 86299 0.000 0.000 100 aM
7.534 0 0
- Mark Methanol Undetected.
One
Two
Three
Four
Five
Six

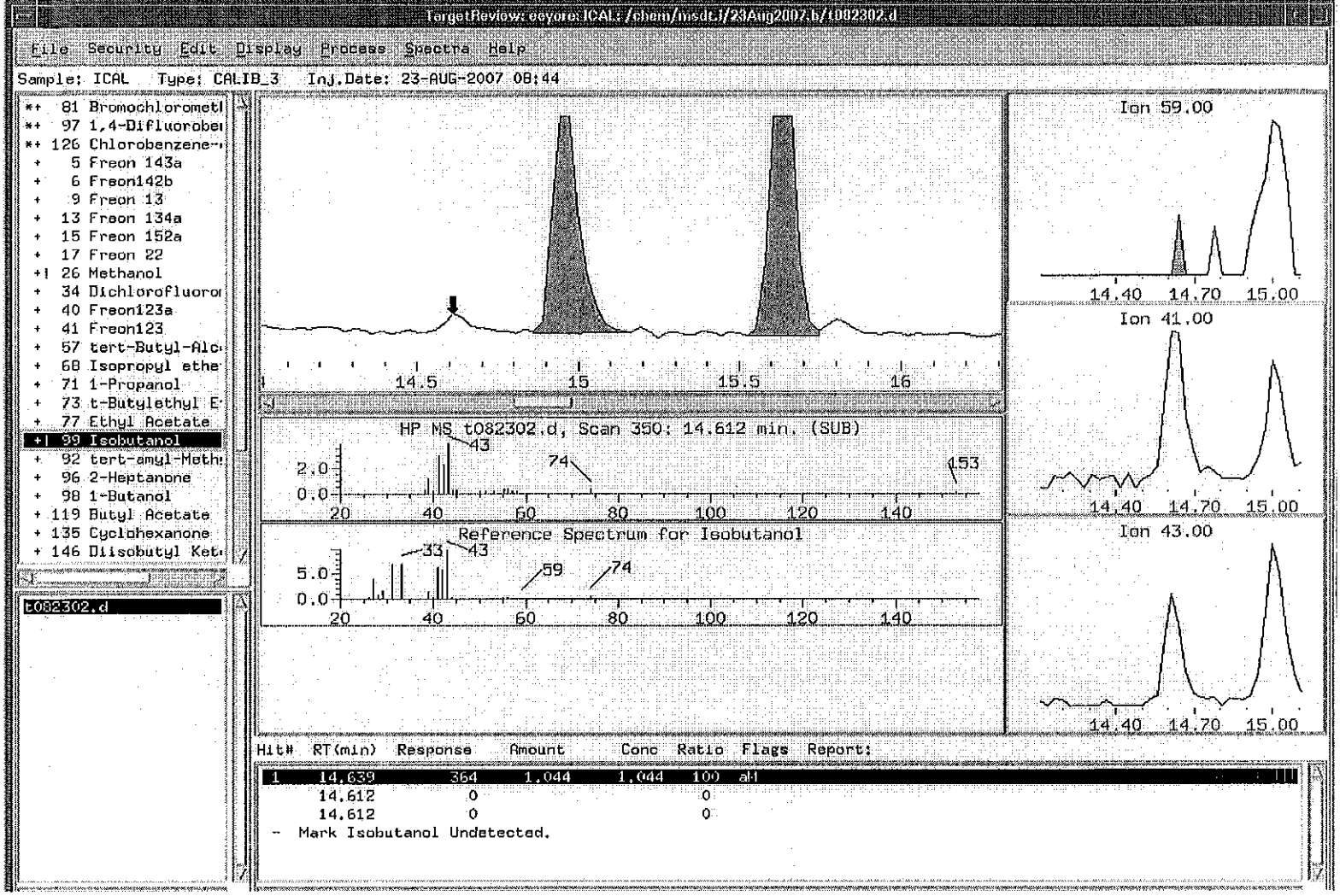
Team VOC

Date / Initial	CB 8/24/07
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

NE 8/24/07




Sample: ICAL Type: CALIB_3 Inj.Date: 23-AUG-2007 08:44
** 81 Bromochloromethl
** 97 1,4-Difluorobel
Time:
Area:
Height:
Snap to Data
Snap to Int Marks
Overlap Peaks
Assign Baseline
Split Peak
Done
Help
* 99 Isobutanol
+ 92 tert-amyl-Meth
+ 96 2-Heptanone
+ 98 1-Butanol
+ 119 Butyl Acetate
+ 135 Cyclohexanone
+ 146 Diisobutyl Ket
t082302.d
HP MS t082302.d, Scan 351: 14.639 min. (SUB)
Reference Spectrum for Isobutanol
Ion 59.00
Ion 41.00
Ion 43.00
14.40 14.70 15.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 14.639 364 1,044 1,044 100 aM
14.612 0 0
14.612 0 0
- Mark Isobutanol Undetected.


TargetReview: eeyore: ICAL: /chem/msdL1/23Aug2007.b/t082302.d
File Security Edit Display Process Spectra Help
Sample: ICAL Type: CALIB_3 Inj.Date: 23-AUG-2007 08:44
*+ 81 Bromochloromethl
*+ 97 1,4-Difluorobe
*+ 126 Chlorobenzene-
+ 5 Freon 143a
+ 6 Freon142b
+ 9 Freon 13
+ 13 Freon 134a
+ 15 Freon 152a
+ 17 Freon 22
+! 26 Methanol
+ 34 Dichlorofluoro
+ 40 Freon123a
+ 41 Freon123
+ 57 tert-Butyl-Alc
+ 68 Isopropyl ethe
+ 71 1-Propanol
+ 73 t-Butylethyl E
+ 77 Ethyl Acetate
+! 99 Isobutanol
+ 92 tert-amyl-Meth
+ 96 2-Heptanone
+ 98 1-Butanol
+ 119 Butyl Acetate
+ 135 Cyclohexanone
+ 146 Diisobutyl Ket
t082302.d
14.5
15
15.5
16
HP MS t082302.d, Scan 350: 14.612 min. (SUB)
43
74
153
2.0
0.0
20
40
60
80
100
120
140
Reference Spectrum for Isobutanol
33
43
59
74
5.0
0.0
Ion 59.00
Ion 41.00
Ion 43.00
14.40
14.70
15.00
Hit# RT(min) Response Amount Conc Ratio Flags Report:
1 14.639 364 1.044 1.044 100 all
14.612 0 0
14.612 0 0
- Mark Isobutanol Undetected.

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082213.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 22-AUG-2007 15:13
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1443-164
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 14:23 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 13:48 Cal File: t082211.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	216677	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	164801			26.10- 126.10	76.06
13.886	13.886 (1.000)	49	569445			227.80- 327.80	262.81
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	896057	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	146575			0.00- 65.83	16.36
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	803259	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	476079			12.31- 112.31	59.27
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	378907	22.9269	22.927	80.00- 120.00	100.00
14.964	14.964 (1.078)	67	216313			2.98- 102.98	57.09
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	873914	25.0420	25.042	80.00- 120.00	100.00
18.227	18.227 (1.166)	70	101690			0.00- 62.07	11.64

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	594726			18.35- 118.35	68.05
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	383081	25.7240	25.724	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	530632			93.21- 193.21	138.52
22.789	22.789 (1.096)	176	367728			45.69- 145.69	95.99
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	569687	48.2296	48.230	80.00- 120.00	100.00
5.840	5.840 (0.421)	42	395181			24.48- 124.48	69.37
5.840	5.840 (0.421)	39	435083			30.62- 130.62	76.37
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	1905320	47.8554	47.855	80.00- 120.00	100.00
5.950	5.950 (0.429)	87	618261			0.00- 82.77	32.45
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	1862397	54.8741	54.874	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	597688			0.00- 80.13	32.09
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	657674	46.0155	46.016	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	215245			0.00- 82.25	32.73
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	794561	50.9574	50.957	80.00- 120.00	100.00
6.918	6.918 (0.498)	64	262468			6.28- 106.28	33.03
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	1205125	56.6464	56.646	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	1209256			68.34- 168.34	100.34
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	658193	51.9337	51.934	80.00- 120.00	100.00
7.941	7.941 (0.572)	96	620449			44.10- 144.10	94.27
27 Chloroethane					CAS #: 75-00-3		
8.218	8.217 (0.592)	64	397106	51.0852	51.085	80.00- 120.00	100.00
8.218	8.217 (0.592)	49	134244			0.00- 83.92	33.81
8.218	8.217 (0.592)	66	127059			0.00- 81.21	32.00
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.798 (0.632)	101	3626008	52.0478	52.048	80.00- 120.00	100.00
8.771	8.798 (0.632)	103	2332467			13.52- 113.52	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.241	9.268 (0.665)	45	462793	49.5981	49.598	80.00- 120.00	100.00
9.241	9.268 (0.665)	43	107350			0.00- 76.10	23.20
9.241	9.268 (0.665)	46	173047			0.00- 85.59	37.39
42 Freon 113					CAS #: 76-13-1		
9.960	9.959 (0.717)	151	2620076	57.0094	57.009	80.00- 120.00	100.00
9.960	9.959 (0.717)	153	1671593			13.26- 113.26	63.80
9.932	9.959 (0.715)	101	3564035			88.80- 188.80	136.03
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.070 (0.723)	61	1643852	54.0570	54.057	80.00- 120.00	100.00
10.042	10.070 (0.723)	96	853821			0.00- 99.48	51.94
10.042	10.070 (0.723)	98	549154			0.00- 81.48	33.41
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	537699	51.0463	51.046	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	1931494			306.72- 406.72	359.21
46 2-Propanol					CAS #: 67-63-0		
10.374	10.402 (0.747)	45	2485112	52.3508	52.351	80.00- 120.00	100.00
10.374	10.402 (0.747)	43	527731			0.00- 76.17	21.24
10.374	10.402 (0.747)	59	87893			0.00- 53.25	3.54
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	2120556	53.0674	53.067	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	390077	54.4258	54.426	80.00- 120.00	100.00
10.844	10.844 (0.781)	41	1374063			346.11- 446.11	352.25
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1098338	50.9347	50.935	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	651632			7.95- 107.95	59.33
11.121	11.121 (0.801)	51	334996			0.00- 83.86	30.50
60 MTBE					CAS #: 1634-04-4		
11.453	11.480 (0.825)	73	1535431	44.8103	44.810	80.00- 120.00	100.00
11.453	11.480 (0.825)	57	403518			0.00- 75.14	26.28
11.453	11.480 (0.825)	41	438591			0.00- 84.65	28.56
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	846634	53.5440	53.544	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	1400554			124.24- 224.24	165.43
11.563	11.563 (0.833)	98	539168			11.14- 111.14	63.68

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.895	11.922 (0.857)	57	2013698	55.0235	55.024	80.00- 120.00	100.00
11.895	11.922 (0.857)	43	1370481			25.69- 125.69	68.06
11.923	11.922 (0.859)	86	260158			0.00- 61.56	12.92
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.393 (0.890)	86	201799	56.0828	56.083	80.00- 120.00	100.00
12.365	12.393 (0.890)	43	2853962			1612.40-1712.40	1414.26
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	1804509	52.9287	52.929	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	550087			0.00- 81.07	30.48
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	373861	53.3923	53.392	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	1985999			501.13- 601.13	531.21
13.416	13.416 (0.966)	57	149562			0.00- 87.31	40.00
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	1144287	53.4239	53.424	80.00- 120.00	100.00
13.443	13.443 (0.968)	96	743762			12.87- 112.87	65.00
13.443	13.443 (0.968)	98	479391			0.00- 89.32	41.89
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	1034741	49.4870	49.487	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	339326			0.00- 80.84	32.79
13.886	13.886 (1.000)	72	366970			0.00- 80.46	35.46
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	1628884	52.6161	52.616	80.00- 120.00	100.00
13.969	13.969 (1.006)	85	1022285			12.43- 112.43	62.76
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	2021262	50.9779	50.978	80.00- 120.00	100.00
14.300	14.300 (1.030)	99	1304616			15.14- 115.14	64.54
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.328 (1.030)	84	1267703	57.2527	57.253	80.00- 120.00	100.00
14.300	14.300 (1.030)	56	1747363			91.13- 191.13	137.84
14.300	14.300 (1.030)	41	995204			34.77- 134.77	78.50
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	1772092	49.8182	49.818	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	1868815			54.57- 154.57	105.46
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	5939015	57.0929	57.093	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	2006572			0.00- 85.64	33.79
14.881	14.881 (1.072)	41	1633969			0.00- 83.48	27.51
91 Benzene					CAS #: 71-43-2		
14.964	14.992 (0.958)	78	2262831	49.9139	49.914	80.00- 120.00	100.00
14.964	14.992 (0.958)	77	494693			0.00- 71.98	21.86
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	1162165	50.9156	50.916	80.00- 120.00	100.00
15.102	15.102 (0.966)	64	358586			0.00- 82.98	30.85
94 Heptane					CAS #: 142-82-5		
15.185	15.213 (0.972)	71	796568	54.4892	54.489	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1710122			176.84- 276.84	214.69
15.185	15.213 (0.972)	57	891132			64.59- 164.59	111.87
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	921720	52.6835	52.684	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	855153			42.67- 142.67	92.78
16.098	16.098 (1.030)	97	598697			14.82- 114.82	64.95
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	903395	52.9036	52.904	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	672452			23.45- 123.45	74.44
16.568	16.568 (1.060)	41	596833			19.51- 119.51	66.07
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	529884	51.8490	51.849	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	427595			31.06- 131.06	80.70
16.706	16.706 (1.069)	57	148118			0.00- 79.47	27.95
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	1660041	50.3480	50.348	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1030716			11.60- 111.60	62.09
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1211340	53.9146	53.915	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	381787			0.00- 81.89	31.52
17.784	17.784 (1.138)	39	795523			16.79- 116.79	65.67
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	832232	57.0441	57.044	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2174071			230.40- 330.40	261.23
17.978	17.978 (1.150)	85	289138			0.00- 84.16	34.74

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	2488237	53.8743	53.874	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	1554068			13.41- 113.41	62.46
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1324835	52.5203	52.520	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	418454			0.00- 81.60	31.59
18.780	18.780 (0.903)	39	815084			11.72- 111.72	61.52
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	944782	51.6157	51.616	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	597470			12.35- 112.35	63.24
19.111	19.111 (0.919)	83	830931			36.45- 136.45	87.95
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1178860	52.8648	52.865	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	883581			26.02- 126.02	74.95
19.277	19.277 (0.927)	131	839214			22.30- 122.30	71.19
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	1146400	52.6408	52.641	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	2204046			149.89- 249.89	192.26
19.443	19.443 (0.935)	100	173997			0.00- 64.15	15.18
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	1674710	53.3602	53.360	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1289831			28.89- 128.89	77.02
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	1585347	53.5004	53.500	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	1497676			44.25- 144.25	94.47
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2152025	52.2566	52.257	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	687261			0.00- 82.05	31.94
20.853	20.853 (1.003)	77	1299159			11.32- 111.32	60.37
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	1122467	54.4828	54.483	80.00- 120.00	100.00
20.936	20.964 (1.007)	91	3508995			265.67- 365.67	312.61
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.157 (1.017)	106	1400284	56.5686	56.569	80.00- 120.00	100.00
21.158	21.157 (1.017)	91	2750942			151.06- 251.06	196.46
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1293125	57.4390	57.439	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	2628934			160.35- 260.35	203.30
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	2030818	57.9482	57.948	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1050702			4.10- 104.10	51.74
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	1524043	53.7712	53.771	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	780088			1.60- 101.60	51.19
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	3256092	56.1526	56.153	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	833204			0.00- 75.19	25.59
22.429	22.429 (1.078)	51	403284			0.00- 64.41	12.39
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	2071684	52.4337	52.434	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1298650			12.15- 112.15	62.69
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	3993219	56.0005	56.000	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	862381			0.00- 70.05	21.60
23.121	23.121 (1.112)	105	155206			0.00- 66.51	3.89
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.286 (1.120)	105	3269608	57.8326	57.833	80.00- 120.00	100.00
23.287	23.314 (1.120)	120	967888			0.00- 79.46	29.60
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	2728735	55.9603	55.960	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1301582			0.00- 97.91	47.70
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	2408456	57.1036	57.104	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1092292			0.00- 92.97	45.35
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	1710210	55.8512	55.851	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	1078728			13.45- 113.45	63.08
24.586	24.586 (1.182)	111	715461			0.00- 93.47	41.83
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	1715381	55.0540	55.054	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	1091334			13.03- 113.03	63.62
24.752	24.752 (1.190)	111	688798			0.00- 89.21	40.15

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	24.945 (1.199)	91	2336784	55.4135	55.414	80.00- 120.00	100.00
24.946	24.945 (1.199)	126	455053			0.00- 69.32	19.47
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1514258	56.9637	56.964	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	960011			13.50- 113.50	63.40
25.360	25.360 (1.219)	111	665959			0.00- 93.85	43.98
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	563899	48.2057	48.206	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	536323			46.65- 146.65	95.11
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	876219	51.1875	51.188	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	556471			12.39- 112.39	63.51
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	2556579	51.1916	51.192	80.00- 120.00	100.00
8.273	8.273 (0.596)	57	1644211			10.13- 110.13	64.31
19 Butane					CAS #: 106-97-8		
6.808	6.807 (0.490)	58	253823	54.0693	54.069	80.00- 120.00	100.00
6.808	6.807 (0.490)	43	2113368			840.77- 940.77	832.61
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	1396866	55.6915	55.691	80.00- 120.00	100.00
16.374	16.374 (1.179)	98	629990			0.00- 93.08	45.10
16.374	16.374 (1.179)	55	1386832			52.63- 152.63	99.28
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1157621	42.9432	42.943	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	143243			0.00- 62.34	12.37

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082213.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	216677	3.08
97 1,4-Difluorobenze	855220	513132	1197308	896057	4.78
126 Chlorobenzene-d5	776619	465971	1087267	803259	3.43

		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: 22-Aug-2007 15:37

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 22Aug2007
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/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	47.855	95.71	70-130
16 Freon 114	50.000	54.874	109.75	70-130
18 Chloromethane	50.000	46.016	92.03	70-130
20 Vinyl Chloride	50.000	50.957	101.91	70-130
22 1,3-Butadiene	50.000	56.646	113.29	60-140
25 Bromomethane	50.000	51.934	103.87	70-130
27 Chloroethane	50.000	51.085	102.17	70-130
31 Trichlorofluoromet	50.000	52.048	104.10	70-130
38 Ethanol	50.000	49.598	99.20	60-140
42 Freon 113	50.000	57.009	114.02	70-130
43 1,1-Dichloroethene	50.000	54.057	108.11	70-130
45 Acetone	50.000	51.046	102.09	60-140
47 Carbon Disulfide	50.000	53.067	106.13	60-140
46 2-Propanol	50.000	52.351	104.70	60-140
54 Methylene Chloride	50.000	50.935	101.87	70-130
60 MTBE	50.000	44.810	89.62	60-140
61 trans-1,2-Dichloro	50.000	53.544	107.09	60-140
65 Hexane	50.000	55.024	110.05	60-140
70 1,1-Dichloroethane	50.000	52.929	105.86	70-130
76 cis-1,2-Dichloroet	50.000	53.424	106.85	70-130
75 2-Butanone	50.000	53.392	106.78	60-140
80 Tetrahydrofuran	50.000	49.487	98.97	60-140
82 Chloroform	50.000	52.616	105.23	70-130
85 Cyclohexane	50.000	57.253	114.51	60-140
83 1,1,1-Trichloroeth	50.000	50.978	101.96	70-130
87 Carbon Tetrachlori	50.000	49.818	99.64	70-130
91 Benzene	50.000	49.914	99.83	70-130
93 1,2-Dichloroethane	50.000	50.916	101.83	70-130
94 Heptane	50.000	54.489	108.98	60-140
101 Trichloroethene	50.000	52.684	105.37	70-130
104 1,2-Dichloropropan	50.000	52.904	105.81	70-130
106 1,4-Dioxane	50.000	51.849	103.70	60-140
107 Bromodichlorometha	50.000	50.348	100.70	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	53.915	107.83	70-130
111 4-Methyl-2-pentano	50.000	57.044	114.09	60-140
114 Toluene	50.000	53.874	107.75	70-130
116 trans-1,3-Dichloro	50.000	52.520	105.04	70-130
117 1,1,2-Trichloroeth	50.000	51.616	103.23	70-130
120 Tetrachloroethene	50.000	52.865	105.73	70-130
121 2-Hexanone	50.000	52.641	105.28	60-140
122 Dibromochlorometha	50.000	53.360	106.72	60-140
123 1,2-Dibromoethane	50.000	53.500	107.00	70-130
127 Chlorobenzene	50.000	52.257	104.51	70-130
128 Ethyl Benzene	50.000	54.483	108.97	70-130
129 m,p-Xylene	50.000	56.569	113.14	70-130
130 o-Xylene	50.000	57.439	114.88	70-130
131 Styrene	50.000	57.948	115.90	70-130
133 Bromoform	50.000	53.771	107.54	60-140
140 1,1,2,2-Tetrachlor	50.000	52.434	104.87	70-130
145 4-Ethyltoluene	50.000	57.833	115.67	60-140
147 1,3,5-Trimethylben	50.000	55.960	111.92	70-130
150 1,2,4-Trimethylben	50.000	57.104	114.21	70-130
155 1,3-Dichlorobenzen	50.000	55.851	111.70	70-130
156 1,4-Dichlorobenzen	50.000	55.054	110.11	70-130
159 alpha-Chlorotoluen	50.000	55.414	110.83	70-130
161 1,2-Dichlorobenzen	50.000	56.964	113.93	70-130
165 1,2,4-Trichloroben	50.000	48.206	96.41	70-130
166 Hexachlorobutadien	50.000	51.188	102.38	70-130
142 Propylbenzene	50.000	56.000	112.00	60-140
134 Cumene	50.000	56.153	112.31	60-140
51 3-Chloropropene	50.000	54.426	108.85	60-140
89 2,2,4-Trimethylpen	50.000	57.093	114.19	60-140
19 Butane	50.000	54.069	108.14	70-130
29 Isopentane	50.000	51.192	102.38	70-130
102 Methyl Cyclohexane	50.000	55.691	111.38	70-130
11 Propylene	50.000	48.230	96.46	60-140
167 Naphthalene	50.000	42.943	85.89	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	22.927	91.71	70-130
$ 113 Toluene-d8	25.000	25.042	100.17	70-130
$ 137 Bromofluorobenzene	25.000	25.724	102.90	70-130

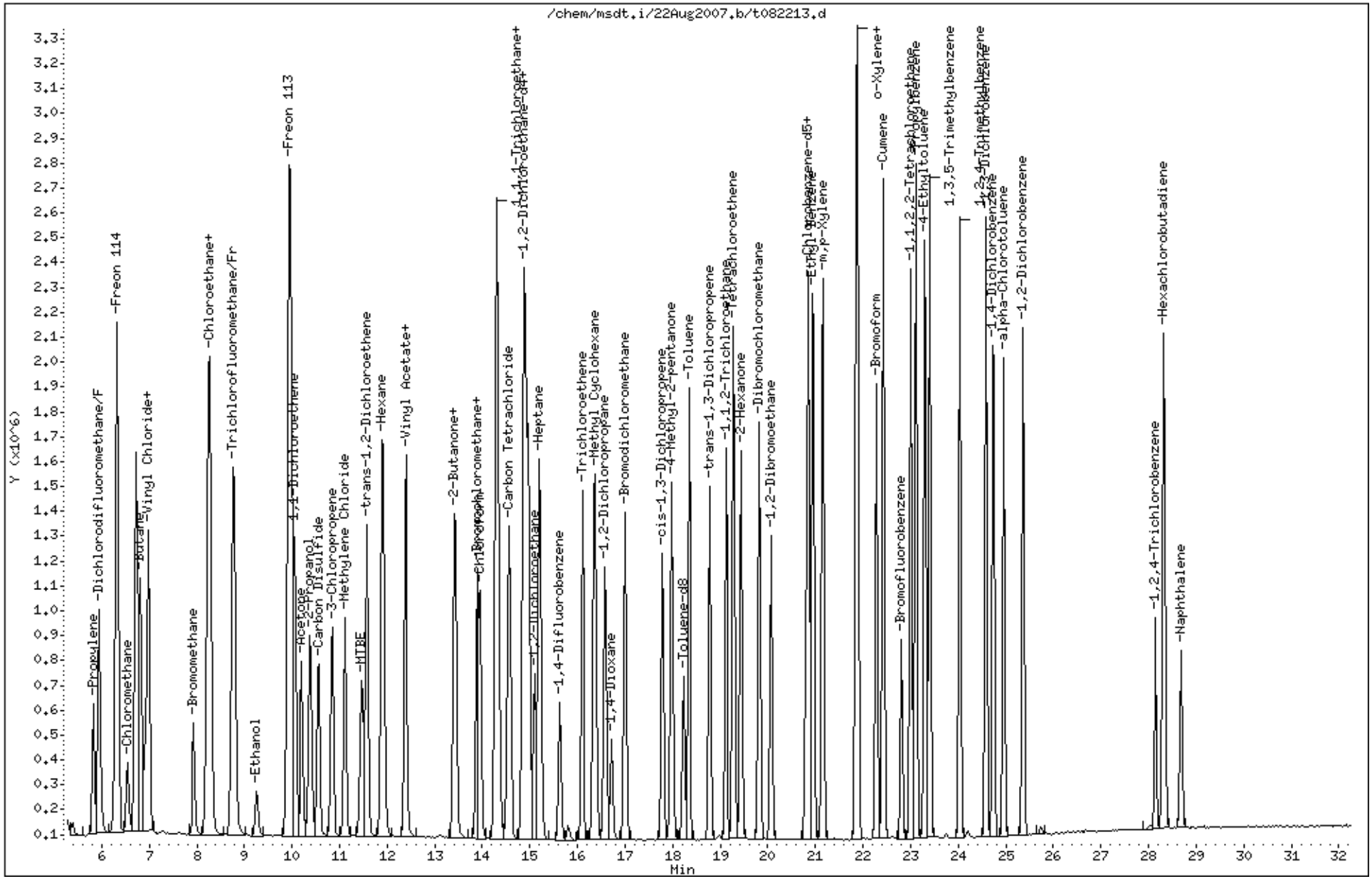
Data File: /chem/msdt.i/22Aug2007.b/t082213.d
Date : 22-AUG-2007 15:13
Client ID: LCS-1
Sample Info: 50mL #1443-164

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624

0077



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082205.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 22-AUG-2007 09:46
Operator : cb Inst ID: msdt.i
Smp Info : 0.2mL #1443-170
Misc Info : 200ppbv --> 0.2ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 12:57 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 09:46 Cal File: t082205.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	210438	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	161775			26.88- 126.88	76.88
13.886	13.886 (1.000)	49	404492			142.21- 242.21	192.21
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	854277	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	138345			0.00- 66.19	16.19
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	748610	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	462019			11.72- 111.72	61.72
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	382877	25.0000	25.000	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	185230			0.00- 98.38	48.38
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	818613	25.0000	25.000	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	98459			0.00- 62.03	12.03

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	555879			17.90- 117.90	67.90
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	322069	25.0000	25.000	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	459677			92.73- 192.73	142.73
22.789	22.789 (1.096)	176	312550			47.04- 147.04	97.04
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	5328	0.20000	0.2000	50.00- 150.00	100.00(a)
13.969	13.969 (1.006)	85	3830			21.88- 121.88	71.88
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	11516	0.20000	0.2000	50.00- 150.00	100.00(a)
14.964	14.964 (0.958)	77	1924			0.00- 66.71	16.71
131 Styrene					CAS #: 100-42-5		
21.877	21.877 (1.052)	104	5529	0.20000	0.2000	50.00- 150.00	100.00(a)
21.877	21.877 (1.052)	78	4456			30.59- 130.59	80.59
134 Cumene					CAS #: 98-82-8		
22.430	22.430 (1.078)	105	10523	0.20000	0.2000	50.00- 150.00	100.00(a)
22.430	22.430 (1.078)	120	2282			0.00- 71.69	21.69
22.430	22.430 (1.078)	51	2345			0.00- 72.28	22.28

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: t082205.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 0.2ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	210438	0.11
97 1,4-Difluorobenze	855220	513132	1197308	854277	-0.11
126 Chlorobenzene-d5	776619	465971	1087267	748610	-3.61

		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/22Aug2007.b/t082205.d

Date : 22-AUG-2007 09:46

Client ID: Level 1

Sample Info: 0.2mL #1443-170

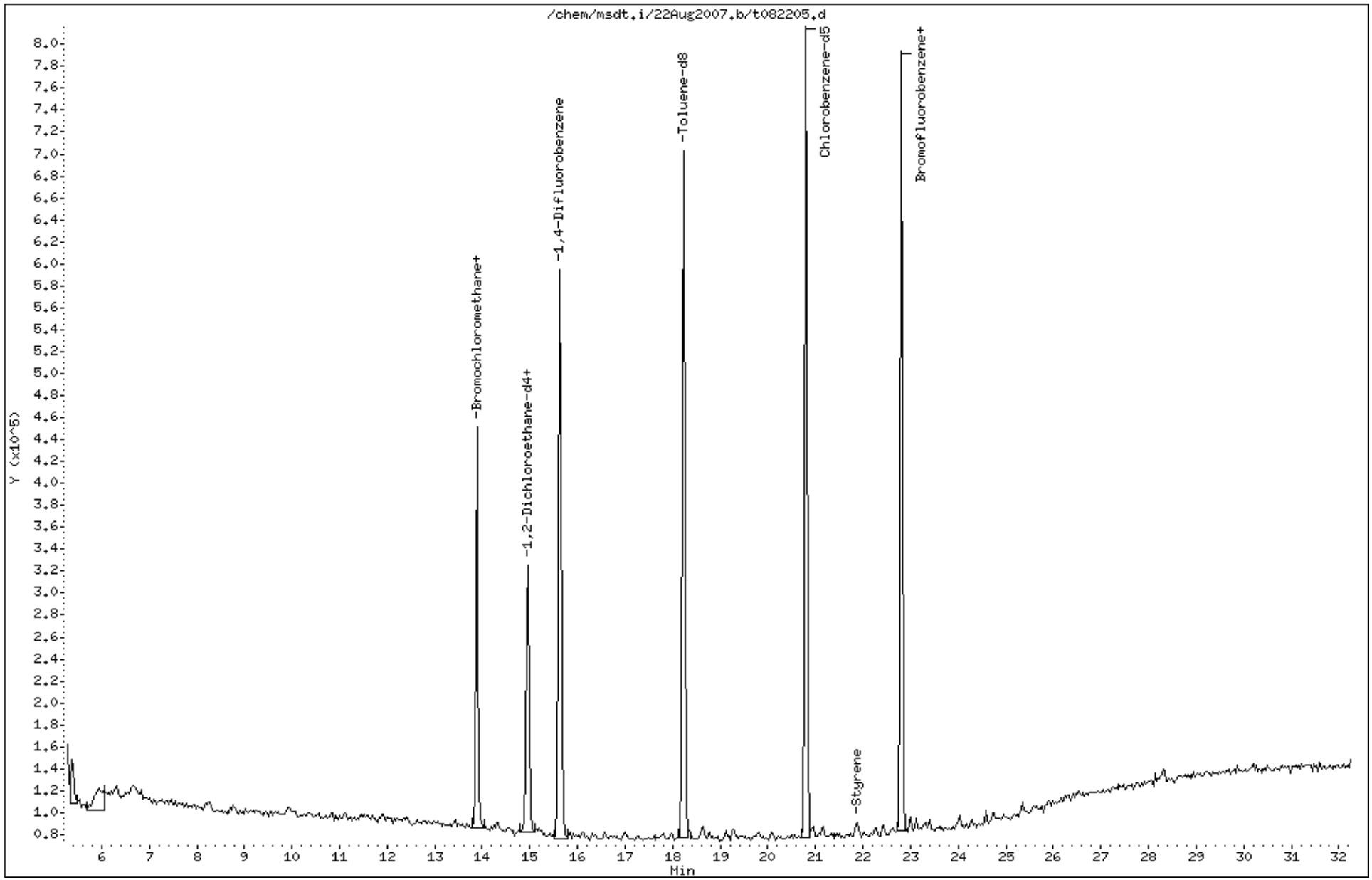
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0081



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082206.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 22-AUG-2007 10:27
Operator : cb Inst ID: msdt.i
Smp Info : 0.5mL #1443-170
Misc Info : 200ppbv --> 0.5ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 12:57 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 10:27 Cal File: t082206.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	198306	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	152501			26.89- 126.89	76.90
13.886	13.886 (1.000)	49	392242			145.01- 245.01	197.80
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.655	15.655 (1.000)	114	807795	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	135794			0.00- 66.50	16.81
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	701598	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	442448			12.39- 112.39	63.06
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	372748	25.0000	25.407	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	175430			0.00- 97.72	47.06
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.164)	98	778904	25.0000	25.078	50.00- 150.00	100.00
18.227	18.227 (1.164)	70	94332			0.00- 62.07	12.11

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 (1.164)	100	530295			17.99- 117.99	68.08
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	305969	25.0000	25.170	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	426878			91.12- 191.12	139.52
22.789	22.789 (1.096)	176	293777			46.53- 146.53	96.02
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.978	5.978 (0.430)	85	16522	0.50000	0.5000	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	5562			0.00- 83.66	33.66
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	14602	0.50000	0.5000	50.00- 150.00	100.00
6.337	6.337 (0.456)	137	3760			0.00- 75.75	25.75
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	6151	0.50000	0.5000	50.00- 150.00	100.00
6.918	6.918 (0.498)	64	7936			79.02- 179.02	129.02
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	8869	0.50000	0.5000	50.00- 150.00	100.00
7.001	7.001 (0.504)	39	13252			99.42- 199.42	149.42
25 Bromomethane					CAS #: 74-83-9		
7.969	7.969 (0.574)	94	5149	0.50000	0.5000	50.00- 150.00	100.00
7.969	7.969 (0.574)	96	6247			71.32- 171.32	121.32
27 Chloroethane					CAS #: 75-00-3		
8.245	8.245 (0.594)	64	2893	0.50000	0.5000	50.00- 150.00	100.00
0.000	1.000 (0.000)	49	0			0.00- 50.00	0.00
8.245	8.245 (0.594)	66	1050			0.00- 86.29	36.29
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	25717	0.50000	0.5000	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	18356			21.38- 121.38	71.38
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	18698	0.50000	0.5000	50.00- 150.00	100.00
9.959	9.959 (0.717)	153	11448			11.23- 111.23	61.23
9.959	9.959 (0.717)	101	23287			74.54- 174.54	124.54
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.725)	61	11510	0.50000	0.5000	50.00- 150.00	100.00
10.070	10.070 (0.725)	96	6854			9.55- 109.55	59.55
10.070	10.070 (0.725)	98	3252			0.00- 78.25	28.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	14970	0.50000	0.5000	50.00- 150.00	100.00
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	8945	0.50000	0.5000	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	5011			6.02- 106.02	56.02
11.121	11.121 (0.801)	51	4610			1.54- 101.54	51.54
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	15441	0.50000	0.5000	50.00- 150.00	100.00
11.480	11.480 (0.827)	57	3266			0.00- 71.15	21.15
11.480	11.480 (0.827)	41	6907			0.00- 94.73	44.73
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	6161	0.50000	0.5000	50.00- 150.00	100.00
11.591	11.591 (0.835)	61	8314			84.95- 184.95	134.95
11.591	11.591 (0.835)	98	3583			8.16- 108.16	58.16
65 Hexane					CAS #: 110-54-3		
11.923	11.923 (0.859)	57	10818	0.50000	0.5000	50.00- 150.00	100.00
11.923	11.923 (0.859)	43	9716			39.81- 139.81	89.81
11.923	11.923 (0.859)	86	1091			0.00- 60.09	10.09
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	12399	0.50000	0.5000	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	3553			0.00- 78.66	28.66
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	2448	0.50000	0.5000	50.00- 150.00	100.00
13.443	13.443 (0.968)	43	11107			403.72- 503.72	453.72
0.000	1.000 (0.000)	57	0			0.00- 50.00	0.00
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	7101	0.50000	0.5000	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	5157			22.62- 122.62	72.62
13.443	13.443 (0.968)	98	3014			0.00- 92.44	42.44
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	9041	0.50000	0.5000	50.00- 150.00	100.00
13.886	13.886 (1.000)	71	1834			0.00- 70.29	20.29
13.913	13.913 (1.002)	72	1755			0.00- 69.41	19.41
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	10401	0.50000	0.4531	50.00- 150.00	100.00(a)
13.969	13.969 (1.006)	85	7233			20.71- 120.71	69.54

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		
14.300	14.300 (1.030)	97	13208	0.50000	0.5000	50.00- 150.00	100.00
14.300	14.300 (1.030)	99	8573			14.91- 114.91	64.91
85 Cyclohexane					CAS #: 110-82-7		
14.328	14.328 (1.032)	84	6387	0.50000	0.5000	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	10028			107.01- 207.01	157.01
14.328	14.328 (1.032)	41	8397			81.47- 181.47	131.47
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	11827	0.50000	0.5000	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	11669			48.66- 148.66	98.66
91 Benzene					CAS #: 71-43-2		
14.992	14.992 (0.958)	78	15004	0.50000	0.3553	50.00- 150.00	100.00(a)
14.964	14.964 (0.956)	77	4218			0.00- 72.41	28.11
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	29430	0.50000	0.5000	50.00- 150.00	100.00
14.909	14.909 (1.074)	56	12115			0.00- 91.17	41.17
14.909	14.909 (1.074)	41	13405			0.00- 95.55	45.55
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.965)	62	7610	0.50000	0.5000	50.00- 150.00	100.00
15.102	15.102 (0.965)	64	2800			0.00- 86.79	36.79
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.970)	71	4361	0.50000	0.5000	50.00- 150.00	100.00
15.213	15.213 (0.972)	43	10878			199.44- 299.44	249.44
15.213	15.213 (0.972)	57	5239			70.13- 170.13	120.13
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.028)	95	6035	0.50000	0.5000	50.00- 150.00	100.00
16.098	16.098 (1.028)	130	5514			41.37- 141.37	91.37
16.098	16.098 (1.028)	97	4165			19.01- 119.01	69.01
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.595	16.595 (1.060)	63	5547	0.50000	0.5000	50.00- 150.00	100.00
16.595	16.595 (1.060)	62	3951			21.23- 121.23	71.23
16.595	16.595 (1.060)	41	6127			60.46- 160.46	110.46
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.087)	83	11986	0.50000	0.5000	50.00- 150.00	100.00
17.010	17.010 (1.087)	85	6654			5.51- 105.51	55.51
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.812	17.812 (1.138)	75	7379	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
110 cis-1,3-Dichloropropene (continued)							
17.812	17.812 (1.138)	77	2513			0.00- 84.06	34.06
17.784	17.784 (1.136)	39	5979			31.03- 131.03	81.03
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.148)	58	4009	0.50000	0.5000	50.00- 150.00	100.00
17.978	17.978 (1.148)	43	11319			232.34- 332.34	282.34
18.005	18.005 (1.150)	85	1219			0.00- 80.41	30.41
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.171)	91	16380	0.50000	0.5000	50.00- 150.00	100.00
18.337	18.337 (1.171)	92	11328			19.16- 119.16	69.16
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	7375	0.50000	0.5000	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	3399			0.00- 96.09	46.09
18.780	18.780 (0.903)	39	6448			37.43- 137.43	87.43
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	5573	0.50000	0.5000	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	4052			22.71- 122.71	72.71
19.111	19.111 (0.919)	83	5308			45.24- 145.24	95.24
120 Tetrachloroethene					CAS #: 127-18-4		
19.305	19.305 (0.928)	166	7385	0.50000	0.5000	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	6272			34.93- 134.93	84.93
19.277	19.277 (0.927)	131	6198			33.93- 133.93	83.93
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	9184	0.50000	0.5000	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	7900			36.02- 136.02	86.02
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	8920	0.50000	0.5000	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	9575			57.34- 157.34	107.34
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	13374	0.50000	0.5000	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	5658			0.00- 92.31	42.31
20.853	20.853 (1.003)	77	15395			65.11- 165.11	115.11
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	6609	0.50000	0.5000	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	20846			265.42- 365.42	315.42
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	6823	0.50000	0.5000	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
129 m,p-Xylene (continued)							
21.157	21.157 (1.017)	91	13432			146.86- 246.86	196.86
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	6176	0.50000	0.5000	50.00- 150.00	100.00
21.849	21.849 (1.051)	91	15435			199.92- 299.92	249.92
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	9620	0.50000	0.4261	50.00- 150.00	100.00(a)
21.876	21.876 (1.052)	78	6448			23.81- 123.81	67.03
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	7538	0.50000	0.5000	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	4106			4.47- 104.47	54.47
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	16638	0.50000	0.4029	50.00- 150.00	100.00(a)
22.429	22.429 (1.078)	120	4543			0.00- 74.50	27.30
22.429	22.429 (1.078)	51	2133			0.00- 67.55	12.82
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	13077	0.50000	0.5000	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	7968			10.93- 110.93	60.93
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	20175	0.50000	0.5000	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	3407			0.00- 66.89	16.89
23.314	23.314 (1.121)	105	13669			17.75- 117.75	67.75
145 4-Ethyltoluene					CAS #: 622-96-8		
23.314	23.314 (1.121)	105	13669	0.50000	0.5000	50.00- 150.00	100.00
23.286	23.286 (1.120)	120	4527			0.00- 83.12	33.12
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	12419	0.50000	0.5000	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	6480			2.18- 102.18	52.18
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	11493	0.50000	0.5000	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	4282			0.00- 87.26	37.26
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	9253	0.50000	0.5000	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	6017			15.03- 115.03	65.03
24.586	24.586 (1.182)	111	4129			0.00- 94.62	44.62

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	10380	0.50000	0.5000	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	6677			14.33- 114.33	64.33
24.752	24.752 (1.190)	111	3573			0.00- 84.42	34.42
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.945	24.945 (1.199)	91	12957	0.50000	0.5000	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	2397			0.00- 68.50	18.50
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	7573	0.50000	0.5000	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	5552			23.31- 123.31	73.31
25.360	25.360 (1.219)	111	3777			0.00- 99.87	49.87
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.346	16.346 (1.177)	83	6864	0.50000	0.5000	50.00- 150.00	100.00
16.374	16.374 (1.179)	98	2579			0.00- 87.57	37.57
16.374	16.374 (1.179)	55	7747			62.86- 162.86	112.86

QC Flag Legend

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

Report Date: 22-Aug-2007 12:57

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082206.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 0.5ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	198306	-5.66
97 1,4-Difluorobenze	855220	513132	1197308	807795	-5.55
126 Chlorobenzene-d5	776619	465971	1087267	701598	-9.66

		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.

Data File: /chem/msdt.i/22Aug2007.b/t082206.d

Date : 22-AUG-2007 10:27

Client ID: Level 2

Sample Info: 0.5mL #1443-170

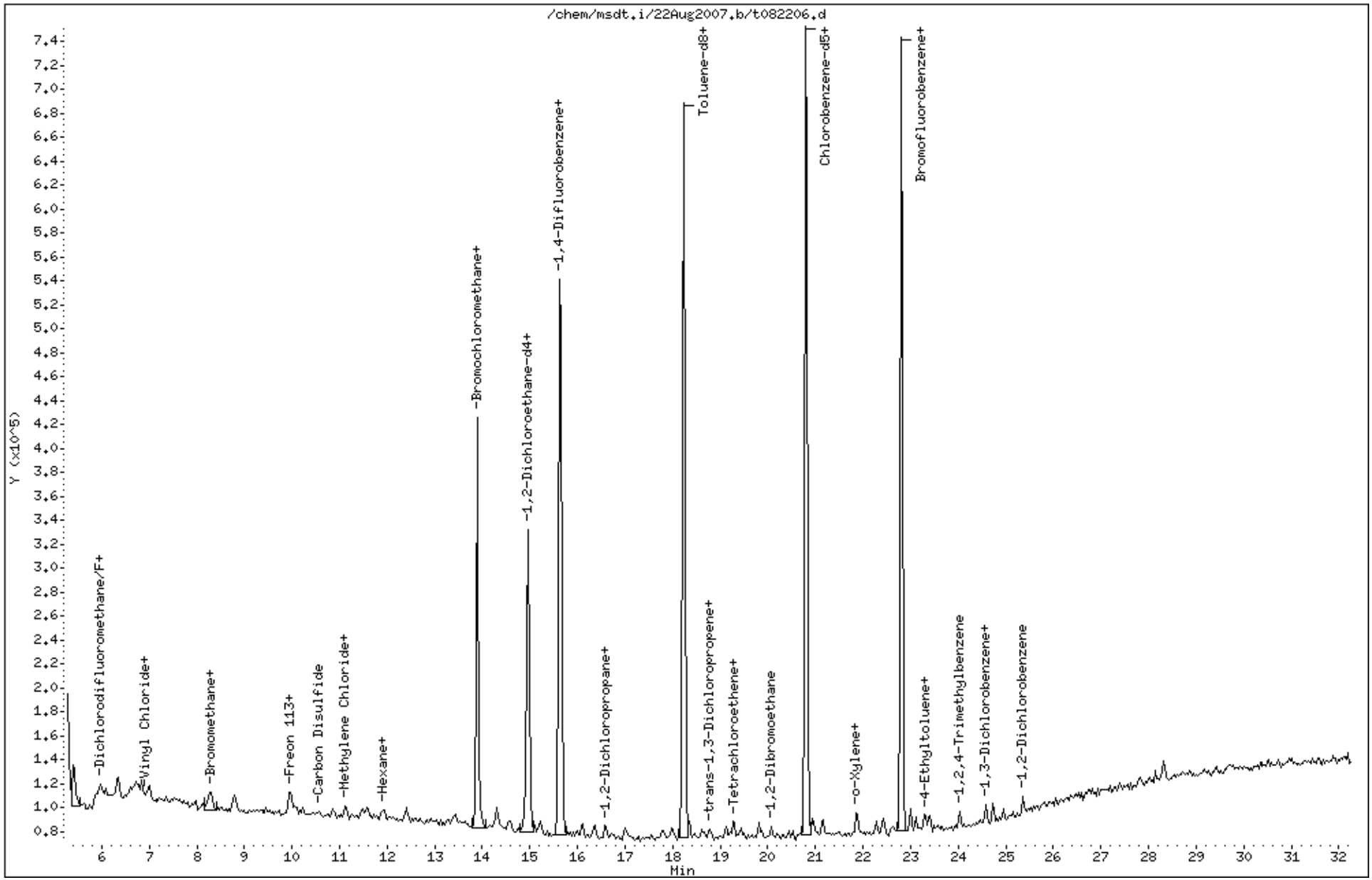
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0090



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/23Aug2007.b/t082302.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 23-AUG-2007 08:44
Operator : cb Inst ID: msdt.i
Smp Info : 2mL #1487-368
Misc Info : 200/1200ppbv --> 2/12ppbv
Comment :
Method : /chem/msdt.i/23Aug2007.b/t14q822b.m
Meth Date : 23-Aug-2007 12:30 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 08:44 Cal File: t082302.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		
13.893	13.893 (1.000)	130	196984	25.0000		50.00- 150.00	100.00
13.893	13.893 (1.000)	128	151907			28.12- 128.12	77.12
13.893	13.893 (1.000)	49	387801			173.95- 273.95	196.87
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	819936	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	131391			0.00- 66.33	16.02
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	691615	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	433247			12.59- 112.59	62.64
5 Freon 143a					CAS #: 420-46-2		
5.534	5.534 (0.398)	69	33922	2.00000	2.042	50.00- 150.00	100.00
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.463)	65	52840	2.00000	1.908	50.00- 150.00	100.00(a)
6.436	6.436 (0.463)	45	19522			0.00- 79.66	36.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.388)	69	48304	2.00000	1.897	50.00- 150.00	100.00(a)
5.394	5.394 (0.388)	85	16194			0.00- 81.85	33.53
5.422	5.422 (0.390)	87	4999			0.00- 60.44	10.35
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.408)	83	22604	2.00000	1.939	50.00- 150.00	100.00(a)
5.675	5.675 (0.408)	69	19956			34.11- 134.11	88.29
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.421)	65	31981	2.00000	2.494	50.00- 150.00	100.00
5.844	5.844 (0.421)	51	77143			186.89- 286.89	241.22
5.844	5.844 (0.421)	47	16606			2.86- 102.86	51.92
17 Freon 22					CAS #: 75-45-6		
6.013	6.013 (0.433)	67	7042	2.00000	2.098	50.00- 150.00	100.00
6.013	6.013 (0.433)	51	49807			663.37- 763.37	707.28
6.464	6.464 (0.465)	85	5588			0.00- 82.72	79.35
26 Methanol					CAS #: 67-56-1		
7.562	7.562 (0.544)	31	86298	12.0000	15.195	50.00- 150.00	100.00(aM)
7.534	7.534 (0.542)	32	0			40.27- 140.27	0.00
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.745	8.745 (0.629)	67	40128	2.00000	1.790	50.00- 150.00	100.00(a)
8.745	8.745 (0.629)	69	12596			0.00- 81.22	31.39
8.745	8.745 (0.629)	35	3198			0.00- 57.71	7.97
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.690)	67	66972	2.00000	2.081	50.00- 150.00	100.00
9.552	9.552 (0.688)	117	43080			15.08- 115.08	64.33
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.699)	83	82338	2.00000	2.057	50.00- 150.00	100.00
9.718	9.718 (0.699)	133	16759			0.00- 70.14	20.35
9.718	9.718 (0.699)	85	54621			16.73- 116.73	66.34
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.156	11.156 (0.803)	59	64107	2.00000	2.491	50.00- 150.00	100.00
11.156	11.156 (0.803)	41	24778			0.00- 88.65	38.65
11.156	11.156 (0.803)	57	6509			0.00- 60.15	10.15
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.885)	45	132695	2.00000	1.750	50.00- 150.00	100.00(a)
12.289	12.289 (0.885)	87	24750			0.00- 67.41	18.65
12.289	12.289 (0.885)	59	12567			0.00- 59.18	9.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol					CAS #: 71-23-8		
12.427	12.427 (0.895)	42	7551	2.00000	2.051	50.00- 150.00	100.00
12.427	12.427 (0.895)	59	4008			28.10- 128.10	53.08
12.427	12.427 (0.895)	41	10509			276.98- 376.98	139.17
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.930)	59	107335	2.00000	1.813	50.00- 150.00	100.00(a)
12.925	12.925 (0.930)	87	36404			0.00- 82.65	33.92
12.925	12.925 (0.930)	41	28302			0.00- 73.82	26.37
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.964)	45	12495	2.00000	2.121	50.00- 150.00	100.00
13.395	13.395 (0.964)	61	7810			25.21- 125.21	62.51
13.395	13.395 (0.964)	43	72991			620.22- 720.22	584.16
99 Isobutanol					CAS #: 78-83-1		
14.639	14.639 (0.936)	59	364	2.00000	1.044	50.00- 150.00	100.00(aM)
14.612	14.612 (0.935)	41	0			2434.32-2534.32	0.00
14.612	14.612 (0.935)	43	0			3060.68-3160.68	0.00
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.026	15.026 (1.082)	73	68028	2.00000	1.768	50.00- 150.00	100.00(a)
15.026	15.026 (1.082)	87	15383			0.00- 72.94	22.61
14.999	14.999 (1.080)	55	26183			0.00- 86.26	38.49
96 2-Heptanone					CAS #: 110-43-0		
21.994	21.994 (1.583)	58	24427	2.00000	1.270	50.00- 150.00	100.00(a)
21.994	21.994 (1.583)	43	47913			130.44- 230.44	196.15
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	12799	2.00000	1.383	50.00- 150.00	100.00(a)
15.801	15.801 (1.011)	41	11735			34.27- 134.27	91.69
15.801	15.801 (1.011)	43	8361			13.14- 113.14	65.33
119 Butyl Acetate					CAS #: 123-86-4		
19.561	19.561 (1.251)	56	22844	2.00000	1.484	50.00- 150.00	100.00(a)
19.561	19.561 (1.251)	73	7574			0.00- 80.79	33.16
19.533	19.533 (1.249)	43	59451			210.58- 310.58	260.25
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	24921	2.00000	1.465	50.00- 150.00	100.00(a)
22.741	22.741 (1.093)	98	9849			0.00- 86.44	39.52
22.741	22.741 (1.093)	42	19259			25.57- 125.57	77.28
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	48995	2.00000	1.476	50.00- 150.00	100.00(a)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
146 Diisobutyl Ketone (continued)							
23.570	23.570 (1.133)	85	32823			18.30- 118.30	66.99
0.000	1.000 (0.000)	0	0			0.00- 50.00	0.00

QC Flag Legend

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

Report Date: 23-Aug-2007 12:30

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082302.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/23Aug2007.b/t14q822b.m
Misc Info: 200/1200ppbv --> 2/12ppbv

Calibration Date: 23-AUG-2007
Calibration Time: 10:06
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	193871	116323	271419	196984	1.61
97 1,4-Difluorobenze	802655	481593	1123717	819936	2.15
126 Chlorobenzene-d5	683333	410000	956666	691615	1.21

		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	20.81	20.48	21.14	20.81	0.00

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

9606

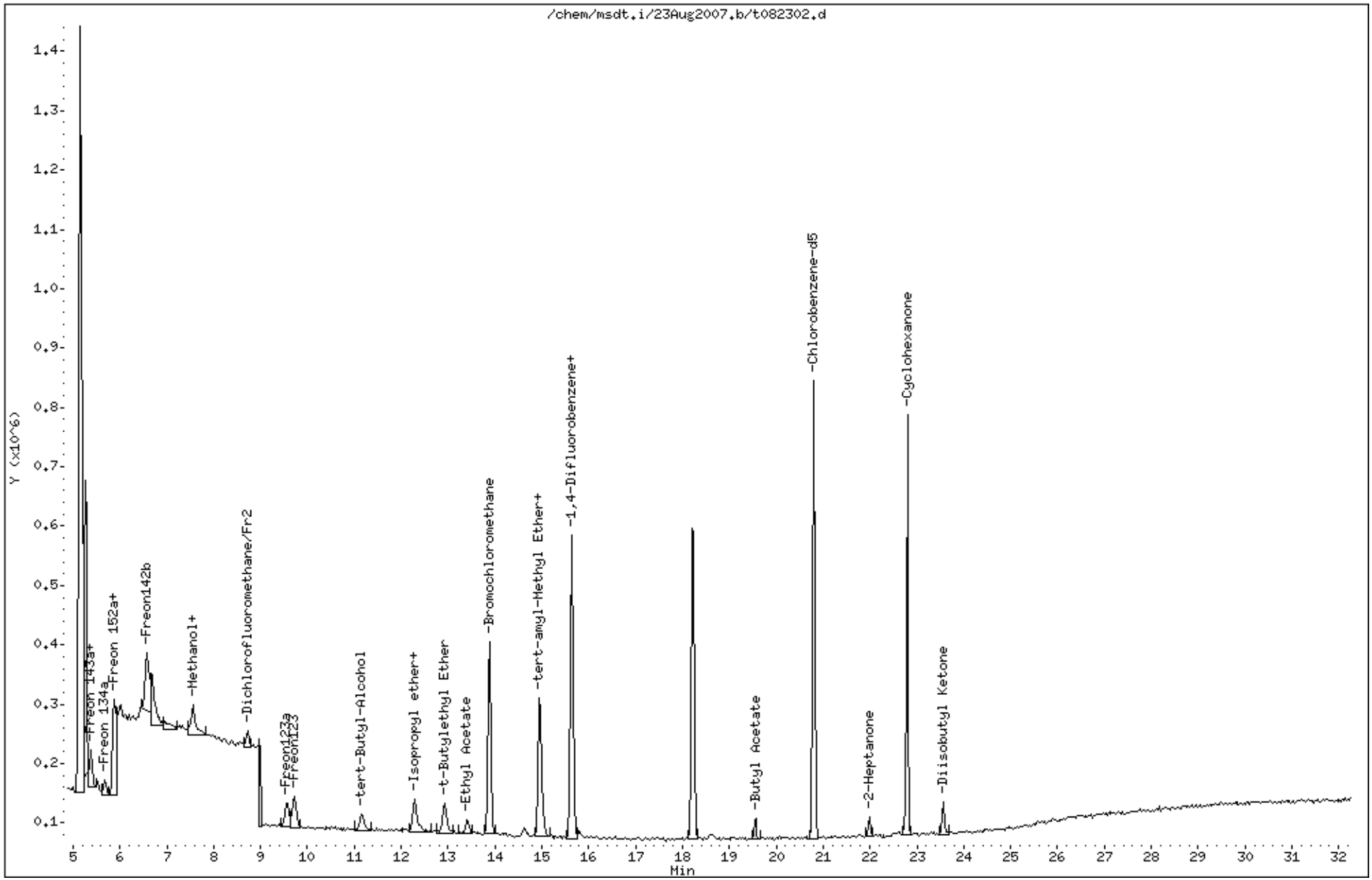
Data File: /chem/msdt.i/23Aug2007.b/t082302.d
Date : 23-AUG-2007 08:44
Client ID: Level 3
Sample Info: 2mL #1487-368

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/22Aug2007.b/t082207.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 22-AUG-2007 11:09
Operator : cb Inst ID: msdt.i
Smp Info : 2mL #1443-170
Misc Info : 200ppbv --> 2ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 12:57 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 11:09 Cal File: t082207.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 81 Bromochloromethane					CAS #: 74-97-5		
13.886	13.886 (1.000)	130	190815	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	150222			27.50- 127.50	78.73
13.886	13.886 (1.000)	49	379956			146.38- 246.38	199.12
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	788876	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	129191			0.00- 66.46	16.38
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	681656	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	432909			12.76- 112.76	63.51
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	377102	25.0000	26.116	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	178534			0.00- 97.60	47.34
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	759199	25.0000	25.020	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	94677			0.00- 62.20	12.47

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	522727			18.28- 118.28	68.85
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	292222	25.0000	24.827	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	428571			92.97- 192.97	146.66
22.789	22.789 (1.096)	176	282161			46.54- 146.54	96.56
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	20623	2.00000	2.000	50.00- 150.00	100.00
5.840	5.840 (0.421)	42	18045			37.50- 137.50	87.50
5.840	5.840 (0.421)	39	18076			37.65- 137.65	87.65
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	71594	2.00000	2.118	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	23423			0.00- 83.19	32.72
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	49497	2.00000	1.873	50.00- 150.00	100.00
6.337	6.337 (0.456)	137	14735			0.00- 77.76	29.77
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	28164	2.00000	2.000	50.00- 150.00	100.00
6.586	6.586 (0.474)	52	9594			0.00- 84.06	34.06
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	27627	2.00000	2.154	50.00- 150.00	100.00
6.918	6.918 (0.498)	64	15173			41.97- 141.97	54.92
22 1,3-Butadiene					CAS #: 106-99-0		
7.001	7.001 (0.504)	54	28657	2.00000	1.825	50.00- 150.00	100.00
7.001	7.001 (0.504)	39	34334			84.61- 184.61	119.81
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	21102	2.00000	2.063	50.00- 150.00	100.00
7.941	7.941 (0.572)	96	22690			64.42- 164.42	107.53
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.592)	64	13844	2.00000	2.217	50.00- 150.00	100.00
8.218	8.218 (0.592)	49	4241			0.00- 80.63	30.63
8.245	8.245 (0.594)	66	3599			0.00- 81.15	26.00
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	107280	2.00000	2.080	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	68032			17.40- 117.40	63.42

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	13615	2.00000	2.000	50.00- 150.00	100.00
9.268	9.268 (0.667)	43	4821			0.00- 85.41	35.41
9.268	9.268 (0.667)	46	3706			0.00- 77.22	27.22
42 Freon 113					CAS #: 76-13-1		
9.960	9.960 (0.717)	151	71249	2.00000	1.990	50.00- 150.00	100.00
9.960	9.960 (0.717)	153	45657			12.65- 112.65	64.08
9.960	9.960 (0.717)	101	99682			82.22- 182.22	139.91
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.043	10.043 (0.723)	61	43082	2.00000	1.972	50.00- 150.00	100.00
10.070	10.070 (0.725)	96	23254			6.76- 106.76	53.98
10.043	10.043 (0.723)	98	13801			0.00- 80.14	32.03
45 Acetone					CAS #: 67-64-1		
10.236	10.236 (0.737)	58	17056	2.00000	2.000	50.00- 150.00	100.00
10.236	10.236 (0.737)	43	50470			245.91- 345.91	295.91
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	55384	2.00000	2.000	50.00- 150.00	100.00
10.402	10.402 (0.749)	43	21119			0.00- 88.13	38.13
10.402	10.402 (0.749)	59	1587			0.00- 52.87	2.87
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	61892	2.00000	2.072	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	9109	2.00000	2.000	50.00- 150.00	100.00
10.844	10.844 (0.781)	41	37972			366.86- 466.86	416.86
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	35403	2.00000	2.028	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	18270			3.81- 103.81	51.61
11.121	11.121 (0.801)	51	9593			0.00- 89.32	27.10
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	44858	2.00000	1.720	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	10890			0.00- 72.71	24.28
11.480	11.480 (0.827)	41	17359			0.00- 91.71	38.70
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	24813	2.00000	2.045	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	39756			97.58- 197.58	160.22
11.563	11.563 (0.833)	98	13750			6.79- 106.79	55.41

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	48094	2.00000	2.144	50.00- 150.00	100.00
11.923	11.923 (0.859)	43	37456			33.85- 133.85	77.88
11.923	11.923 (0.859)	86	5414			0.00- 60.67	11.26
69 Vinyl Acetate					CAS #: 108-05-4		
12.393	12.393 (0.892)	86	3760	2.00000	2.000	50.00- 150.00	100.00
12.393	12.393 (0.892)	43	75408			1955.53-2055.53	2005.53
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	49245	2.00000	2.031	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	16503			0.00- 81.08	33.51
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	9827	2.00000	2.042	50.00- 150.00	100.00
13.416	13.416 (0.966)	43	56774			465.73- 565.73	577.73
13.443	13.443 (0.968)	57	3030			0.00- 80.83	30.83
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	32939	2.00000	2.186	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	22675			20.73- 120.73	68.84
13.443	13.443 (0.968)	98	14587			0.00- 93.36	44.28
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	30591	2.00000	1.871	50.00- 150.00	100.00
13.886	13.886 (1.000)	71	9752			0.00- 76.08	31.88
13.886	13.886 (1.000)	72	9525			0.00- 75.27	31.14
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	51368	2.00000	2.206	50.00- 150.00	100.00
13.969	13.969 (1.006)	85	34312			19.41- 119.41	66.80
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.301	14.301 (1.030)	97	62006	2.00000	2.198	50.00- 150.00	100.00
14.301	14.301 (1.030)	99	37863			12.99- 112.99	61.06
85 Cyclohexane					CAS #: 110-82-7		
14.328	14.328 (1.032)	84	28987	2.00000	2.164	50.00- 150.00	100.00
14.328	14.328 (1.032)	56	43230			103.07- 203.07	149.14
14.301	14.301 (1.030)	41	30225			67.87- 167.87	104.27
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	56830	2.00000	2.221	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	56366			48.92- 148.92	99.18
91 Benzene					CAS #: 71-43-2		
14.992	14.992 (0.959)	78	68951	2.00000	1.769	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)							
14.992	14.992 (0.959)	77	14634			0.00- 72.01	21.22
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	138149	2.00000	2.198	50.00- 150.00	100.00
14.909	14.909 (1.074)	56	48776			0.00- 88.24	35.31
14.881	14.881 (1.072)	41	47201			0.00- 89.86	34.17
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	40020	2.00000	2.295	50.00- 150.00	100.00
15.102	15.102 (0.966)	64	13653			0.00- 85.45	34.12
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	20115	2.00000	2.166	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	45615			188.10- 288.10	226.77
15.213	15.213 (0.973)	57	23673			68.91- 168.91	117.69
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	29344	2.00000	2.218	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	27262			42.14- 142.14	92.90
16.098	16.098 (1.030)	97	19290			17.38- 117.38	65.74
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.595	16.595 (1.062)	63	28398	2.00000	2.269	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	21102			22.77- 122.77	74.31
16.568	16.568 (1.060)	41	24465			48.30- 148.30	86.15
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	12714	2.00000	2.000	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	10738			34.46- 134.46	84.46
16.706	16.706 (1.069)	57	4412			0.00- 84.70	34.70
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	55448	2.00000	2.169	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	34543			8.91- 108.91	62.30
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	33191	2.00000	2.141	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	11830			0.00- 84.85	35.64
17.784	17.784 (1.138)	39	27239			31.55- 131.55	82.07
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	18073	2.00000	2.143	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	53635			239.55- 339.55	296.77
18.006	18.006 (1.152)	85	6556			0.00- 83.34	36.28

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	71720	2.00000	2.114	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	46096			16.71- 116.71	64.27
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	39241	2.00000	2.312	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	13532			0.00- 90.29	34.48
18.780	18.780 (0.903)	39	27756			29.08- 129.08	70.73
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.112	19.112 (0.919)	97	31965	2.00000	2.384	50.00- 150.00	100.00
19.112	19.112 (0.919)	99	19766			17.27- 117.27	61.84
19.112	19.112 (0.919)	83	26198			38.60- 138.60	81.96
120 Tetrachloroethene					CAS #: 127-18-4		
19.305	19.305 (0.928)	166	36887	2.00000	2.250	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	26741			28.71- 128.71	72.49
19.277	19.277 (0.927)	131	26562			27.97- 127.97	72.01
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	22980	2.00000	2.000	50.00- 150.00	100.00
19.443	19.443 (0.935)	43	51553			174.34- 274.34	224.34
19.443	19.443 (0.935)	100	2840			0.00- 62.36	12.36
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	49741	2.00000	2.329	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	38040			31.25- 131.25	76.48
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	47241	2.00000	2.307	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	45242			51.56- 151.56	95.77
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	71453	2.00000	2.316	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	21512			0.00- 86.21	30.11
20.853	20.853 (1.003)	77	51880			43.86- 143.86	72.61
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	31386	2.00000	2.200	50.00- 150.00	100.00
20.964	20.964 (1.008)	91	96139			260.87- 360.87	306.31
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	36274	2.00000	2.311	50.00- 150.00	100.00
21.158	21.158 (1.017)	91	72534			148.41- 248.41	199.96
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	31552	2.00000	2.272	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	70862			187.25- 287.25	224.59
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	44149	2.00000	2.008	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	27959			20.32- 120.32	63.33
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	45811	2.00000	2.440	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	22320			1.60- 101.60	48.72
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	81801	2.00000	2.026	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	20311			0.00- 74.61	24.83
22.429	22.429 (1.078)	51	10791			0.00- 66.10	13.19
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	63617	2.00000	2.224	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	40147			12.02- 112.02	63.11
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	96276	2.00000	2.204	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	19209			0.00- 68.42	19.95
23.121	23.121 (1.112)	105	3523			0.00- 85.71	3.66
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	75131	2.00000	2.343	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	22874			0.00- 81.78	30.45
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	74504	2.00000	2.427	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	33822			0.00- 98.79	45.40
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	56027	2.00000	2.226	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	22867			0.00- 89.04	40.81
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	47005	2.00000	2.266	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	28896			13.25- 113.25	61.47
24.586	24.586 (1.182)	111	20989			0.00- 94.64	44.65
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	46038	2.00000	2.132	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	28312			12.91- 112.91	61.50
24.724	24.724 (1.189)	111	18079			0.00- 86.85	39.27

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	52104	2.00000	2.034	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	11679			0.00- 70.46	22.41
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	37013	2.00000	2.228	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	25717			21.40- 121.40	69.48
25.360	25.360 (1.219)	111	18806			0.34- 100.34	50.81
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	17918	2.00000	2.000	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	19841			60.73- 160.73	110.73
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	30528	2.00000	2.000	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	18907			11.93- 111.93	61.93
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	6339	2.00000	2.000	50.00- 150.00	100.00
6.835	6.835 (0.492)	43	61261			916.41-1016.41	966.41
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	75735	2.00000	2.000	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	43109			6.92- 106.92	56.92
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	34912	2.00000	2.277	50.00- 150.00	100.00
16.374	16.374 (1.179)	98	15226			0.00- 90.59	43.61
16.374	16.374 (1.179)	55	35566			57.37- 157.37	101.87
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	44992	2.00000	2.000	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	5706			0.00- 62.68	12.68

Report Date: 22-Aug-2007 12:57

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082207.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 2ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	190815	-9.22
97 1,4-Difluorobenze	855220	513132	1197308	788876	-7.76
126 Chlorobenzene-d5	776619	465971	1087267	681656	-12.23

		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/22Aug2007.b/t082207.d

Date : 22-AUG-2007 11:09

Client ID: Level 3

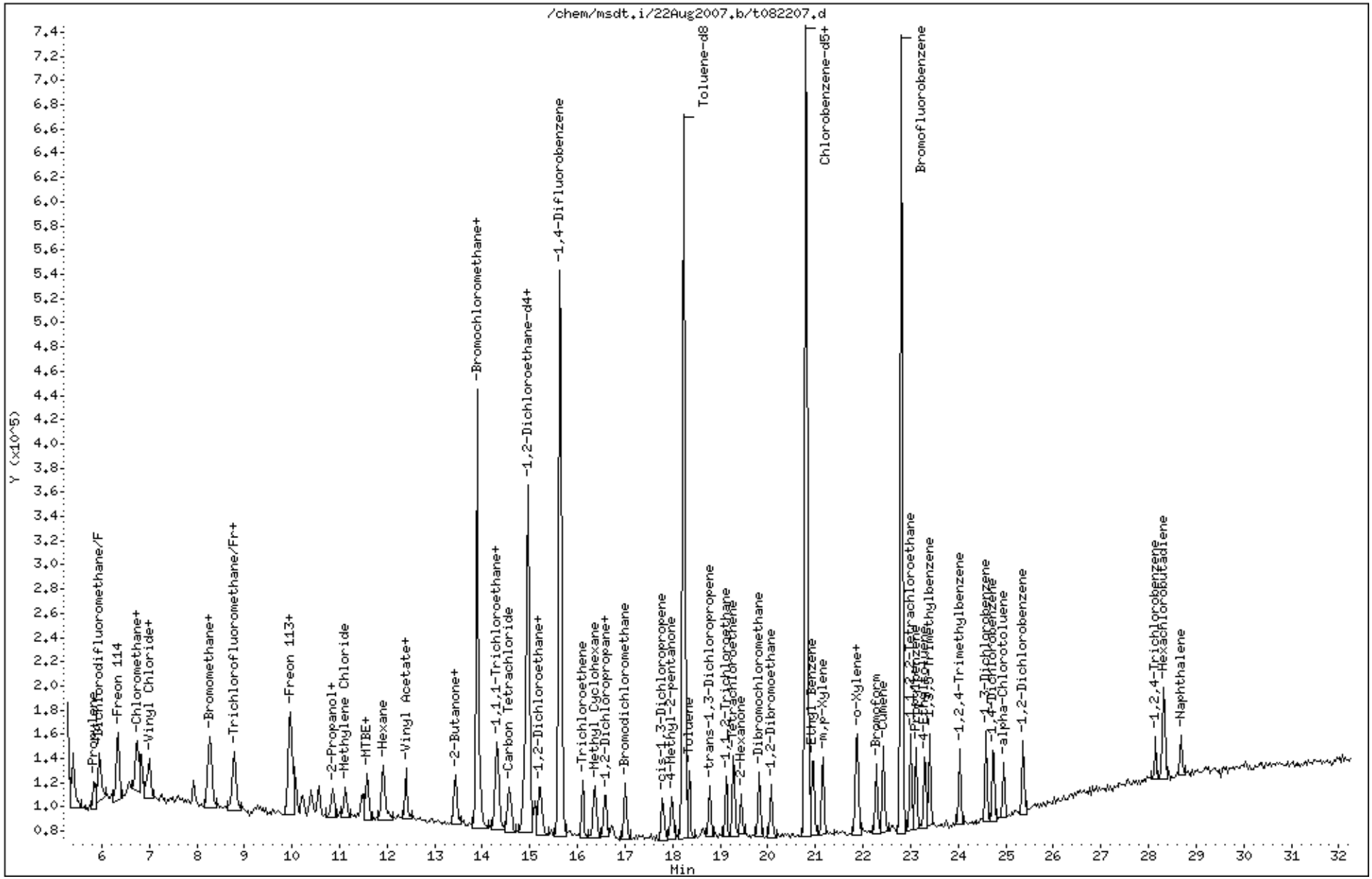
Sample Info: 2mL #1443-170

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/23Aug2007.b/t082303.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 23-AUG-2007 09:25
Operator : cb Inst ID: msdt.i
Smp Info : 8mL #1487-368
Misc Info : 200/1200ppbv --> 8/48ppbv
Comment :
Method : /chem/msdt.i/23Aug2007.b/t14q822b.m
Meth Date : 23-Aug-2007 12:30 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 09:25 Cal File: t082303.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp22b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE		RATIO
==	====== ========	====	========	=======	=======	==========		=====
* 81 Bromochloromethane						CAS #: 74-97-5		
13.893	13.893 (1.000)	130	183352	25.0000		50.00- 150.00		100.00
13.893	13.893 (1.000)	128	147281			28.12- 128.12		80.33
13.893	13.893 (1.000)	49	368232			173.95- 273.95		200.83
* 97 1,4-Difluorobenzene						CAS #: 540-36-3		
15.635	15.635 (1.000)	114	766109	25.0000		50.00- 150.00		100.00
15.635	15.635 (1.000)	88	128967			0.00- 66.33		16.83
* 126 Chlorobenzene-d5						CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	665063	25.0000		50.00- 150.00		100.00
20.805	20.805 (1.000)	82	422942			12.59- 112.59		63.59
5 Freon 143a						CAS #: 420-46-2		
5.534	5.534 (0.398)	69	122161	8.00000	7.902	50.00- 150.00		100.00
6 Freon142b						CAS #: 75-68-3		
6.464	6.464 (0.465)	65	207306	8.00000	8.043	50.00- 150.00		100.00
6.464	6.464 (0.465)	45	53630			0.00- 79.66		25.87

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		
5.422	5.422 (0.390)	69	215780	8.00000	9.106	50.00- 150.00	100.00
5.422	5.422 (0.390)	85	65598			0.00- 81.85	30.40
5.422	5.422 (0.390)	87	22679			0.00- 60.44	10.51
13 Freon 134a					CAS #: 811-97-2		
5.703	5.703 (0.411)	83	88641	8.00000	8.170	50.00- 150.00	100.00
5.703	5.703 (0.411)	69	74294			34.11- 134.11	83.81
15 Freon 152a					CAS #: 75-37-6		
5.872	5.872 (0.423)	65	116411	8.00000	9.754	50.00- 150.00	100.00
5.872	5.872 (0.423)	51	274714			186.89- 286.89	235.99
5.872	5.872 (0.423)	47	61456			2.86- 102.86	52.79
17 Freon 22					CAS #: 75-45-6		
6.013	6.013 (0.433)	67	23940	8.00000	7.661	50.00- 150.00	100.00
6.013	6.013 (0.433)	51	178160			663.37- 763.37	744.19
6.013	6.013 (0.433)	85	2427			0.00- 82.72	10.14
26 Methanol					CAS #: 67-56-1		
7.562	7.562 (0.544)	31	232695	48.0000	44.019	50.00- 150.00	100.00(a)
7.562	7.562 (0.544)	32	235206			40.27- 140.27	101.08
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.745	8.745 (0.629)	67	158290	8.00000	7.586	50.00- 150.00	100.00
8.745	8.745 (0.629)	69	49654			0.00- 81.22	31.37
8.745	8.745 (0.629)	35	12405			0.00- 57.71	7.84
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.690)	67	221386	8.00000	7.391	50.00- 150.00	100.00
9.579	9.579 (0.690)	117	149615			15.08- 115.08	67.58
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.699)	83	276144	8.00000	7.413	50.00- 150.00	100.00
9.745	9.745 (0.701)	133	54931			0.00- 70.14	19.89
9.718	9.718 (0.699)	85	190830			16.73- 116.73	69.11
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.183	11.183 (0.805)	59	160674	8.00000	6.708	50.00- 150.00	100.00
11.155	11.155 (0.803)	41	52036			0.00- 88.65	32.39
11.155	11.155 (0.803)	57	16448			0.00- 60.15	10.24
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.885)	45	523498	8.00000	7.417	50.00- 150.00	100.00
12.289	12.289 (0.885)	87	88013			0.00- 67.41	16.81
12.289	12.289 (0.885)	59	47355			0.00- 59.18	9.05

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol					CAS #: 71-23-8		
12.427	12.427 (0.895)	42	25878	8.00000	7.552	50.00- 150.00	100.00
12.427	12.427 (0.895)	59	22333			28.10- 128.10	86.30
12.289	12.289 (0.885)	41	106959			276.98- 376.98	413.32
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.930)	59	387800	8.00000	7.036	50.00- 150.00	100.00
12.925	12.925 (0.930)	87	124011			0.00- 82.65	31.98
12.925	12.925 (0.930)	41	92372			0.00- 73.82	23.82
77 Ethyl Acetate					CAS #: 141-78-6		
13.423	13.423 (0.966)	45	38385	8.00000	7.000	50.00- 150.00	100.00
13.395	13.395 (0.964)	61	32265			25.21- 125.21	84.06
13.423	13.423 (0.966)	43	281227			620.22- 720.22	732.65
99 Isobutanol					CAS #: 78-83-1		
14.612	14.612 (0.935)	59	2626	8.00000	8.061	50.00- 150.00	100.00
14.612	14.612 (0.935)	41	60381			2434.32-2534.32	2299.35
14.612	14.612 (0.935)	43	74686			3060.68-3160.68	2844.10
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
15.026	15.026 (1.082)	73	254756	8.00000	7.114	50.00- 150.00	100.00
15.026	15.026 (1.082)	87	57978			0.00- 72.94	22.76
15.026	15.026 (1.082)	55	93353			0.00- 86.26	36.64
96 2-Heptanone					CAS #: 110-43-0		
21.994	21.994 (1.583)	58	120075	8.00000	6.710	50.00- 150.00	100.00
21.994	21.994 (1.583)	43	208169			130.44- 230.44	173.37
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	57685	8.00000	6.671	50.00- 150.00	100.00
15.801	15.801 (1.011)	41	47036			34.27- 134.27	81.54
15.801	15.801 (1.011)	43	37712			13.14- 113.14	65.38
119 Butyl Acetate					CAS #: 123-86-4		
19.561	19.561 (1.251)	56	104047	8.00000	7.235	50.00- 150.00	100.00
19.561	19.561 (1.251)	73	30767			0.00- 80.79	29.57
19.561	19.561 (1.251)	43	265164			210.58- 310.58	254.85
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	115677	8.00000	7.072	50.00- 150.00	100.00
22.741	22.741 (1.093)	98	41450			0.00- 86.44	35.83
22.741	22.741 (1.093)	42	91168			25.57- 125.57	78.81
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	229078	8.00000	7.179	50.00- 150.00	100.00

					AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
RT	EXP RT (REL RT)	MASS	RESPONSE					
146 Diisobutyl Ketone (continued)								
23.570	23.570 (1.133)	85	158101				18.30- 118.30	69.02
0.000	1.000 (0.000)	0	0				0.00- 50.00	0.00

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082303.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/23Aug2007.b/t14q822b.m
Misc Info: 200/1200ppbv --> 8/48ppbv

Calibration Date: 23-AUG-2007
Calibration Time: 10:06
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	193871	116323	271419	183352	-5.43
97 1,4-Difluorobenze	802655	481593	1123717	766109	-4.55
126 Chlorobenzene-d5	683333	410000	956666	665063	-2.67

		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	20.81	20.48	21.14	20.81	0.00

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

Data File: /chem/msdt.i/23Aug2007.b/t082303.d

Date : 23-AUG-2007 09:25

Client ID: Level 4

Sample Info: 8mL #1487-368

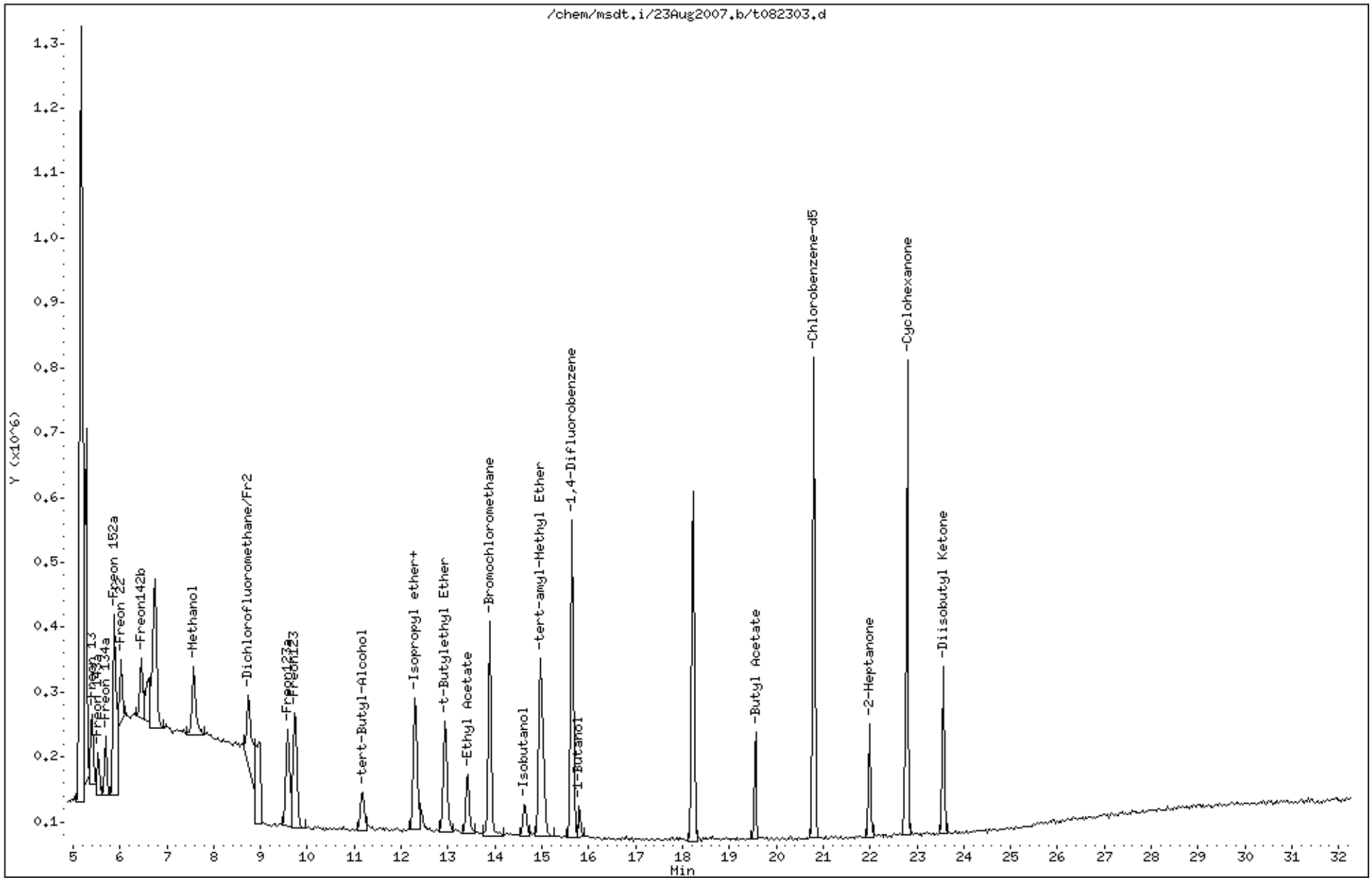
Column phase: RTx-624

Instrument: msdt.i

Operator: cb

Column diameter: 0.53

0112



Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082208.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 22-AUG-2007 11:50
Operator : cb Inst ID: msdt.i
Smp Info : 25mL #1443-170
Misc Info : 200ppbv --> 25ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 12:57 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 11:50 Cal File: t082208.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	208401	25.0000		50.00- 150.00	100.00
13.886	13.886 (1.000)	128	157261			26.99- 126.99	75.46
13.886	13.886 (1.000)	49	500578			157.33- 257.33	240.20
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	845167	25.0000		50.00- 150.00	100.00
15.628	15.628 (1.000)	88	135532			0.00- 66.35	16.04
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	733481	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	461548			12.80- 112.80	62.93
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	396362	25.0000	25.100	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	209959			0.00- 98.94	52.97
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	822382	25.0000	25.222	50.00- 150.00	100.00
18.227	18.227 (1.166)	70	97209			0.00- 62.11	11.82

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	557937			18.17- 118.17	67.84
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	348759	25.0000	26.856	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	508490			93.68- 193.68	145.80
22.789	22.789 (1.096)	176	334256			46.36- 146.36	95.84
11 Propylene					CAS #: 115-07-1		
5.812	5.812 (0.419)	41	304046	25.0000	25.960	50.00- 150.00	100.00
5.812	5.812 (0.419)	42	213496			28.86- 128.86	70.22
5.812	5.812 (0.419)	39	239130			33.15- 133.15	78.65
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	1065247	25.0000	27.447	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	351448			0.00- 83.12	32.99
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	1164890	25.0000	33.501	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	364437			0.00- 78.93	31.29
18 Chloromethane					CAS #: 74-87-3		
6.531	6.531 (0.470)	50	363289	25.0000	24.291	50.00- 150.00	100.00
6.531	6.531 (0.470)	52	113095			0.00- 82.60	31.13
20 Vinyl Chloride					CAS #: 75-01-4		
6.890	6.890 (0.496)	62	407993	25.0000	27.608	50.00- 150.00	100.00
6.890	6.890 (0.496)	64	131643			22.07- 122.07	32.27
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	720753	25.0000	34.256	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	796525			76.58- 176.58	110.51
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	333200	25.0000	28.021	50.00- 150.00	100.00
7.941	7.941 (0.572)	96	312510			57.55- 157.55	93.79
27 Chloroethane					CAS #: 75-00-3		
8.190	8.190 (0.590)	64	209629	25.0000	28.552	50.00- 150.00	100.00
8.190	8.190 (0.590)	49	72596			0.00- 82.63	34.63
8.190	8.190 (0.590)	66	67221			0.00- 81.45	32.07
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.771	8.771 (0.632)	101	2206561	25.0000	32.950	50.00- 150.00	100.00
8.771	8.771 (0.632)	103	1419372			16.37- 116.37	64.33

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	321812	25.0000	31.694	50.00- 150.00	100.00
9.241	9.241 (0.665)	43	79186			0.00- 80.01	24.61
9.241	9.241 (0.665)	46	121862			0.00- 82.54	37.87
42 Freon 113					CAS #: 76-13-1		
9.932	9.932 (0.715)	151	1282915	25.0000	29.714	50.00- 150.00	100.00
9.932	9.932 (0.715)	153	828503			13.30- 113.30	64.58
9.932	9.932 (0.715)	101	1792452			84.72- 184.72	139.72
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	892208	25.0000	32.091	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	434816			4.09- 104.09	48.73
10.042	10.042 (0.723)	98	275118			0.00- 80.37	30.84
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	277829	25.0000	27.202	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	1090739			294.25- 394.25	392.59
46 2-Propanol					CAS #: 67-63-0		
10.374	10.374 (0.747)	45	1337687	25.0000	31.944	50.00- 150.00	100.00
10.374	10.374 (0.747)	43	303903			0.00- 80.43	22.72
10.374	10.374 (0.747)	59	45549			0.00- 53.14	3.41
47 Carbon Disulfide					CAS #: 75-15-0		
10.540	10.540 (0.759)	76	1099554	25.0000	30.195	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	185929	25.0000	29.961	50.00- 150.00	100.00
10.817	10.817 (0.779)	41	757403			362.11- 462.11	407.36
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	615303	25.0000	29.419	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	341379			4.37- 104.37	55.48
11.121	11.121 (0.801)	51	191310			0.00- 86.58	31.09
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	1015967	25.0000	31.232	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	251521			0.00- 73.39	24.76
11.453	11.453 (0.825)	41	319412			0.00- 88.29	31.44
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	429830	25.0000	29.513	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	754546			106.90- 206.90	175.55
11.563	11.563 (0.833)	98	278414			9.45- 109.45	64.77

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	1013302	25.0000	33.953	50.00- 150.00	100.00
11.895	11.895 (0.857)	43	724103			29.72- 129.72	71.46
11.923	11.923 (0.859)	86	118935			0.00- 61.03	11.74
69 Vinyl Acetate					CAS #: 108-05-4		
12.365	12.365 (0.890)	86	93675	25.0000	32.300	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	1522110			1765.21-1865.21	1624.88
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	957155	25.0000	31.472	50.00- 150.00	100.00
12.393	12.393 (0.892)	65	295538			0.00- 81.01	30.88
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	192647	25.0000	31.724	50.00- 150.00	100.00
13.416	13.416 (0.966)	43	1087689			482.02- 582.02	564.60
13.416	13.416 (0.966)	57	75396			0.00- 84.99	39.14
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	602899	25.0000	31.716	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	377222			18.01- 118.01	62.57
13.443	13.443 (0.968)	98	243507			0.00- 92.37	40.39
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	562932	25.0000	29.005	50.00- 150.00	100.00
13.886	13.886 (1.000)	71	171608			0.00- 77.55	30.48
13.886	13.886 (1.000)	72	191594			0.00- 78.19	34.04
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	910309	25.0000	32.307	50.00- 150.00	100.00
13.969	13.969 (1.006)	85	574661			17.84- 117.84	63.13
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	1134487	25.0000	31.808	50.00- 150.00	100.00
14.300	14.300 (1.030)	99	727887			13.38- 113.38	64.16
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	626473	25.0000	34.604	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	895685			99.70- 199.70	142.97
14.300	14.300 (1.030)	41	560285			58.39- 158.39	89.43
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	1019120	25.0000	31.631	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	1048342			50.24- 150.24	102.87
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	1171430	25.0000	27.218	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	259719			0.00- 72.05	22.17
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	3044116	25.0000	35.252	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	1048755			0.00- 86.97	34.45
14.881	14.881 (1.072)	41	930302			0.00- 86.76	30.56
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	649704	25.0000	30.767	50.00- 150.00	100.00
15.102	15.102 (0.966)	64	199649			0.00- 83.88	30.73
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	404110	25.0000	33.615	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	901447			183.09- 283.09	223.07
15.185	15.185 (0.972)	57	460845			67.29- 167.29	114.04
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	479945	25.0000	30.284	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	432197			41.44- 141.44	90.05
16.098	16.098 (1.030)	97	310057			16.45- 116.45	64.60
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	467053	25.0000	30.794	50.00- 150.00	100.00
16.568	16.568 (1.060)	62	341413			22.88- 122.88	73.10
16.568	16.568 (1.060)	41	340327			39.82- 139.82	72.87
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	269451	25.0000	30.639	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	221562			33.34- 133.34	82.23
16.706	16.706 (1.069)	57	75739			0.00- 81.41	28.11
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	902723	25.0000	29.795	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	568391			10.26- 110.26	62.96
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	622493	25.0000	32.131	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	206208			0.00- 84.27	33.13
17.784	17.784 (1.138)	39	418547			26.78- 126.78	67.24
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	404809	25.0000	35.445	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	1137186			236.68- 336.68	280.92
17.978	17.978 (1.150)	85	138838			0.00- 83.66	34.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	1230701	25.0000	30.282	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	776175			15.50- 115.50	63.07
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	696887	25.0000	32.460	50.00- 150.00	100.00
18.780	18.780 (0.903)	77	223163			0.00- 87.53	32.02
18.780	18.780 (0.903)	39	432195			23.39- 123.39	62.02
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	486078	25.0000	30.195	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	303122			15.63- 115.63	62.36
19.111	19.111 (0.919)	83	432629			38.74- 138.74	89.00
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	595176	25.0000	30.215	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	456322			28.03- 128.03	76.67
19.277	19.277 (0.927)	131	427819			25.94- 125.94	71.88
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	556193	25.0000	32.139	50.00- 150.00	100.00
19.443	19.443 (0.935)	43	1139425			164.60- 264.60	204.86
19.443	19.443 (0.935)	100	79331			0.00- 63.31	14.26
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	857196	25.0000	32.044	50.00- 150.00	100.00
19.803	19.803 (0.952)	127	663647			29.97- 129.97	77.42
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	789259	25.0000	31.304	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	747918			49.29- 149.29	94.76
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	1068105	25.0000	29.362	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	344959			0.00- 84.90	32.30
20.853	20.853 (1.003)	77	669409			33.46- 133.46	62.67
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	542867	25.0000	31.069	50.00- 150.00	100.00
20.936	20.936 (1.007)	91	1737067			263.90- 363.90	319.98
129 m,p-Xylene					CAS #: 108-38-3		
21.158	21.158 (1.017)	106	661019	25.0000	32.929	50.00- 150.00	100.00
21.158	21.158 (1.017)	91	1356511			150.68- 250.68	205.22
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	609626	25.0000	33.697	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	1272610			177.75- 277.75	208.75
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	974526	25.0000	35.458	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	545301			16.73- 116.73	55.96
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	756082	25.0000	32.105	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	393661			1.75- 101.75	52.07
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	1548741	25.0000	32.215	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	397965			0.00- 74.88	25.70
22.429	22.429 (1.078)	51	202988			0.00- 65.35	13.11
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	1023002	25.0000	29.945	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	638739			12.16- 112.16	62.44
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	1873211	25.0000	33.270	50.00- 150.00	100.00
23.121	23.121 (1.112)	120	396720			0.00- 69.34	21.18
23.121	23.121 (1.112)	105	66174			0.00- 74.98	3.53
145 4-Ethyltoluene					CAS #: 622-96-8		
23.287	23.287 (1.120)	105	1509621	25.0000	35.002	50.00- 150.00	100.00
23.287	23.287 (1.120)	120	443059			0.00- 80.97	29.35
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	1289794	25.0000	32.891	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	602051			0.00- 98.08	46.68
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	1091067	25.0000	33.463	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	497562			0.00- 91.22	45.60
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	762692	25.0000	30.449	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	480589			13.17- 113.17	63.01
24.586	24.586 (1.182)	111	328455			0.00- 94.11	43.07
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	764725	25.0000	29.771	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	477130			12.74- 112.74	62.39
24.724	24.724 (1.189)	111	312553			0.00- 88.19	40.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.946	24.946 (1.199)	91	1033908	25.0000	32.149	50.00- 150.00	100.00
24.946	24.946 (1.199)	126	191549			0.00- 69.81	18.53
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	667535	25.0000	32.068	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	428038			18.97- 118.97	64.12
25.360	25.360 (1.219)	111	304079			0.00- 98.75	45.55
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	248992	25.0000	25.408	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	237213			53.00- 153.00	95.27
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	377047	25.0000	23.935	50.00- 150.00	100.00
28.319	28.319 (1.362)	223	236077			12.27- 112.27	62.61
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.490)	58	159463	25.0000	32.411	50.00- 150.00	100.00
6.807	6.807 (0.490)	43	1393029			869.99- 969.99	873.58
29 Isopentane					CAS #: 78-78-4		
8.245	8.245 (0.594)	43	1388482	25.0000	28.659	50.00- 150.00	100.00
8.245	8.245 (0.594)	57	831977			8.42- 108.42	59.92
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	706515	25.0000	34.323	50.00- 150.00	100.00
16.374	16.374 (1.179)	98	314944			0.00- 91.92	44.58
16.374	16.374 (1.179)	55	726013			55.83- 155.83	102.76
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	553818	25.0000	23.892	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	67652			0.00- 62.45	12.22

Report Date: 22-Aug-2007 12:57

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082208.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 25ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	208401	-0.86
97 1,4-Difluorobenze	855220	513132	1197308	845167	-1.18
126 Chlorobenzene-d5	776619	465971	1087267	733481	-5.55

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

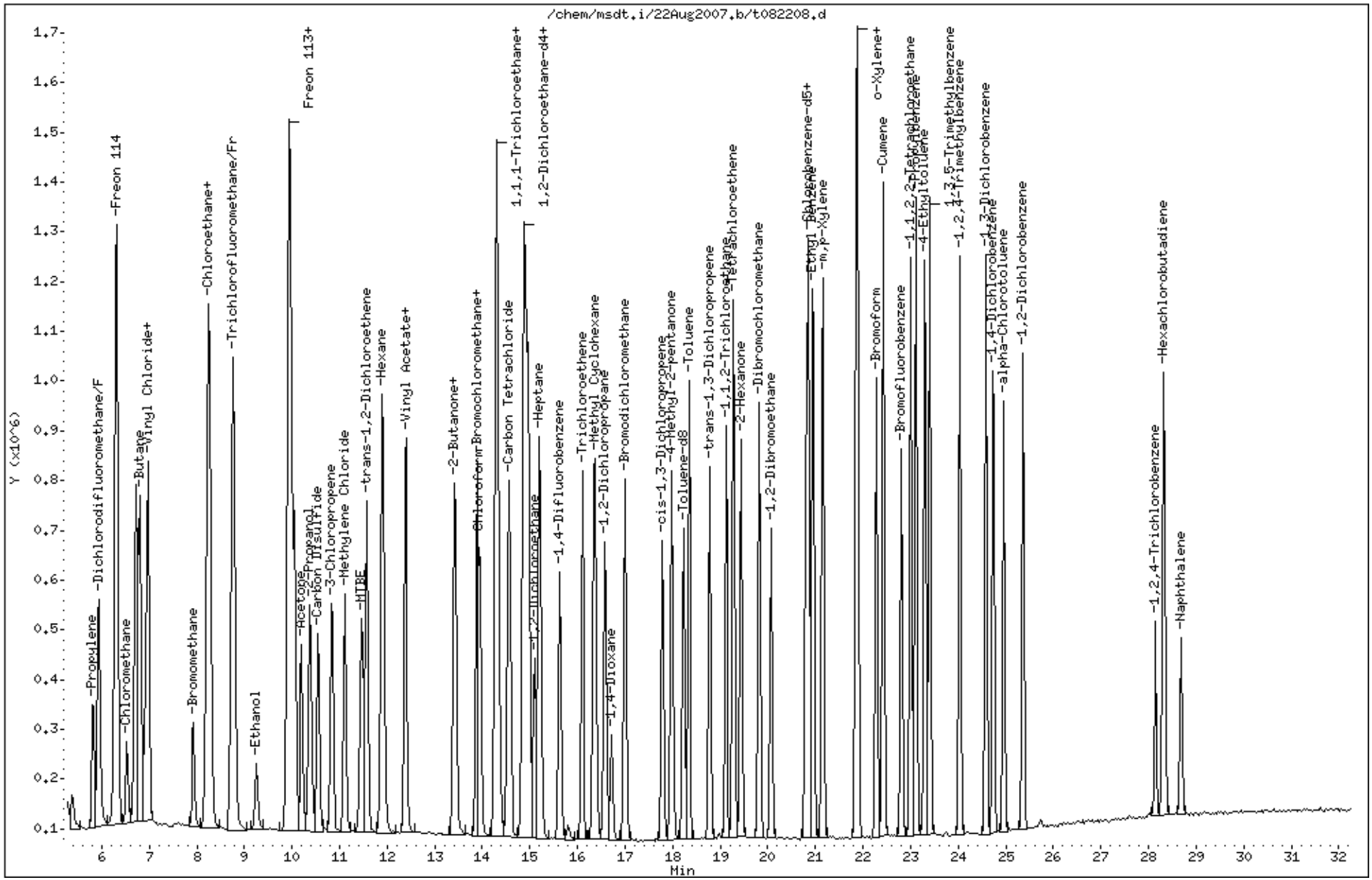
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0122

Data File: /chem/msdt.i/22Aug2007.b/t082208.d
Date : 22-AUG-2007 11:50
Client ID: Level 4
Sample Info: 25mL #1443-170

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/23Aug2007.b/t082304.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 23-AUG-2007 10:06
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1487-368
Misc Info : 200/1200ppbv --> 50/300ppbv
Comment :
Method : /chem/msdt.i/23Aug2007.b/t14q822b.m
Meth Date : 23-Aug-2007 12:30 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 10:06 Cal File: t082304.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			
13.893	13.893 (1.000)	130	193871	25.0000		80.00- 120.00		100.00
13.893	13.893 (1.000)	128	150867			27.82- 127.82		77.82
13.893	13.893 (1.000)	49	383876			148.01- 248.01		198.01
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.635	15.635 (1.000)	114	802655	25.0000		80.00- 120.00		100.00
15.635	15.635 (1.000)	88	132846			0.00- 66.55		16.55
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.805	20.805 (1.000)	117	683333	25.0000		80.00- 120.00		100.00
20.805	20.805 (1.000)	82	427952			12.59- 112.59		62.63
5 Freon 143a					CAS #: 420-46-2			
5.506	5.506 (0.396)	69	761774	50.0000	46.602	80.00- 120.00		100.00
6 Freon142b					CAS #: 75-68-3			
6.436	6.436 (0.463)	65	1449525	50.0000	53.188	80.00- 120.00		100.00
6.436	6.436 (0.463)	45	379210			0.00- 79.66		26.16

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.366	5.366 (0.386)	69	1186148	50.0000	47.338	80.00- 120.00	100.00
5.366	5.366 (0.386)	85	377102			0.00- 81.85	31.79
5.366	5.366 (0.386)	87	126486			0.00- 60.44	10.66
13 Freon 134a					CAS #: 811-97-2		
5.675	5.675 (0.408)	83	602402	50.0000	52.510	80.00- 120.00	100.00
5.675	5.675 (0.408)	69	483429			34.11- 134.11	80.25
15 Freon 152a					CAS #: 75-37-6		
5.844	5.844 (0.421)	65	336777	50.0000	26.686	80.00- 120.00	100.00
5.844	5.844 (0.421)	51	800695			186.89- 286.89	237.75
5.844	5.844 (0.421)	47	182485			2.86- 102.86	54.19
17 Freon 22					CAS #: 75-45-6		
5.985	5.985 (0.431)	67	172526	50.0000	52.215	80.00- 120.00	100.00
5.985	5.985 (0.431)	51	1188053			663.37- 763.37	688.62
5.985	5.985 (0.431)	85	14959			0.00- 82.72	8.67
26 Methanol					CAS #: 67-56-1		
7.534	7.534 (0.542)	31	1571729	300.000	281.19	80.00- 120.00	100.00
7.534	7.534 (0.542)	32	1248834			29.46- 129.46	79.46
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.717	8.717 (0.627)	67	1298192	50.0000	58.840	80.00- 120.00	100.00
8.717	8.717 (0.627)	69	401050			0.00- 81.22	30.89
8.717	8.717 (0.627)	35	95118			0.00- 57.71	7.33
40 Freon123a					CAS #: 354-23-4		
9.552	9.552 (0.688)	67	1848864	50.0000	58.375	80.00- 120.00	100.00
9.580	9.580 (0.690)	117	1170804			15.08- 115.08	63.33
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.699)	83	2270123	50.0000	57.632	80.00- 120.00	100.00
9.718	9.718 (0.699)	133	458174			0.00- 70.14	20.18
9.718	9.718 (0.699)	85	1469845			16.73- 116.73	64.75
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.156	11.156 (0.803)	59	1496629	50.0000	59.094	80.00- 120.00	100.00
11.156	11.156 (0.803)	41	405358			0.00- 88.65	27.08
11.156	11.156 (0.803)	57	156481			0.00- 60.15	10.46
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.885)	45	4248833	50.0000	56.929	80.00- 120.00	100.00
12.289	12.289 (0.885)	87	711718			0.00- 67.41	16.75
12.289	12.289 (0.885)	59	383855			0.00- 59.18	9.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.893)	42	193782	50.0000	53.484	80.00- 120.00	100.00
12.427	12.427 (0.895)	59	183954			28.10- 128.10	94.93
12.289	12.289 (0.885)	41	830276			276.98- 376.98	428.46
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.930)	59	3565014	50.0000	61.171	80.00- 120.00	100.00
12.925	12.925 (0.930)	87	1142817			0.00- 82.65	32.06
12.925	12.925 (0.930)	41	758012			0.00- 73.82	21.26
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.964)	45	316017	50.0000	54.506	80.00- 120.00	100.00
13.395	13.395 (0.964)	61	249853			25.21- 125.21	79.06
13.395	13.395 (0.964)	43	2192640			620.22- 720.22	693.84
99 Isobutanol					CAS #: 78-83-1		
14.612	14.612 (0.935)	59	21140	50.0000	61.938	80.00- 120.00	100.00
14.612	14.612 (0.935)	41	564288			2434.32-2534.32	2669.29
14.612	14.612 (0.935)	43	713954			3060.68-3160.68	3377.27
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.080)	73	2259992	50.0000	59.690	80.00- 120.00	100.00
15.027	15.027 (1.082)	87	529941			0.00- 72.94	23.45
14.999	14.999 (1.080)	55	760182			0.00- 86.26	33.64
96 2-Heptanone					CAS #: 110-43-0		
21.994	21.994 (1.583)	58	1098807	50.0000	58.072	80.00- 120.00	100.00
21.994	21.994 (1.583)	43	1887956			130.44- 230.44	171.82
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	531231	50.0000	58.637	80.00- 120.00	100.00
15.801	15.801 (1.011)	41	422754			34.27- 134.27	79.58
15.801	15.801 (1.011)	43	311984			13.14- 113.14	58.73
119 Butyl Acetate					CAS #: 123-86-4		
19.561	19.561 (1.251)	56	838414	50.0000	55.647	80.00- 120.00	100.00
19.561	19.561 (1.251)	73	248591			0.00- 79.65	29.65
19.561	19.561 (1.251)	43	2235472			216.63- 316.63	266.63
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	946350	50.0000	56.311	80.00- 120.00	100.00
22.741	22.741 (1.093)	98	332176			0.00- 86.44	35.10
22.741	22.741 (1.093)	42	698784			25.57- 125.57	73.84
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	1855559	50.0000	56.596	80.00- 120.00	100.00

					AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)		
RT	EXP RT	(REL RT)	MASS	RESPONSE			TARGET RANGE	RATIO
146 Diisobutyl Ketone (continued)								
23.570	23.570	(1.133)	85	1278440			18.90- 118.90	68.90
0.000	1.000	(0.000)	0	0			0.00- 50.00	0.00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082304.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/23Aug2007.b/t14q822b.m
Misc Info: 200/1200ppbv --> 50/300ppbv

Calibration Date: 23-AUG-2007
Calibration Time: 10:06
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	193871	116323	271419	193871	0.00
97 1,4-Difluorobenze	802655	481593	1123717	802655	0.00
126 Chlorobenzene-d5	683333	410000	956666	683333	0.00

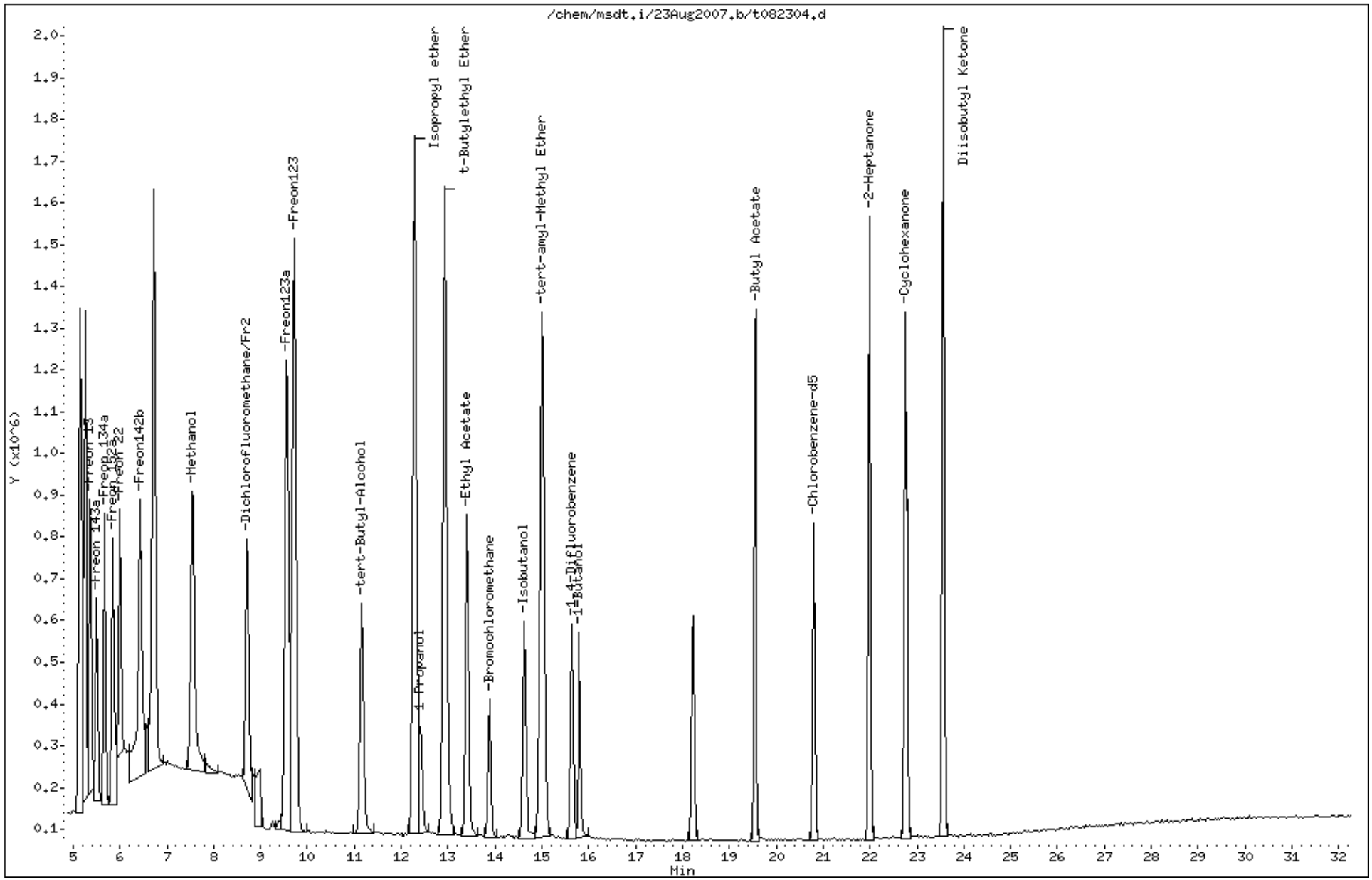
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.81	20.48	21.14	20.81	0.00

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

Data File: /chem/msdt.i/23Aug2007.b/t082304.d
Date : 23-AUG-2007 10:06
Client ID: Level 5
Sample Info: 50mL #1487-368

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

Column phase: RTx-624



0128

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082209.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 22-AUG-2007 12:29
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1443-170
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 12:57 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 12:29 Cal File: t082209.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	210206	25.0000		80.00- 120.00	100.00
13.886	13.886 (1.000)	128	159965			26.10- 126.10	76.10
13.886	13.886 (1.000)	49	583942			227.80- 327.80	277.80
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.628	15.628 (1.000)	114	855220	25.0000		80.00- 120.00	100.00
15.628	15.628 (1.000)	88	135413			0.00- 65.83	15.83
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	776619	25.0000		80.00- 120.00	100.00
20.798	20.798 (1.000)	82	471574			12.39- 112.39	60.72
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	400920	25.0000	25.136	80.00- 120.00	100.00
14.964	14.964 (1.078)	67	228513			0.55- 100.55	57.00
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.227	18.227 (1.166)	98	852203	25.0000	25.659	80.00- 120.00	100.00
18.227	18.227 (1.166)	70	105786			0.00- 62.17	12.41

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	579423			18.13- 118.13	67.99
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	364966	25.0000	26.219	80.00- 120.00	100.00
22.789	22.789 (1.096)	95	522679			93.21- 193.21	143.21
22.789	22.789 (1.096)	176	349252			45.69- 145.69	95.69
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	568423	50.0000	48.729	80.00- 120.00	100.00
5.840	5.840 (0.421)	42	396754			25.84- 125.84	69.80
5.840	5.840 (0.421)	39	441070			31.30- 131.30	77.60
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.428)	85	2009475	50.0000	50.992	80.00- 120.00	100.00
5.950	5.950 (0.428)	87	643866			0.00- 82.85	32.04
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	1692421	50.0000	48.679	80.00- 120.00	100.00
6.310	6.310 (0.454)	137	546156			0.00- 79.77	32.27
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	673944	50.0000	46.320	80.00- 120.00	100.00
6.559	6.559 (0.472)	52	215261			0.00- 82.38	31.94
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	781835	50.0000	51.816	80.00- 120.00	100.00
6.918	6.918 (0.498)	64	265278			12.53- 112.53	33.93
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	1045349	50.0000	49.441	80.00- 120.00	100.00
6.973	6.973 (0.502)	39	1136990			72.13- 172.13	108.77
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	629896	50.0000	51.864	80.00- 120.00	100.00
7.941	7.941 (0.572)	96	592723			44.10- 144.10	94.10
27 Chloroethane					CAS #: 75-00-3		
8.217	8.217 (0.592)	64	380803	50.0000	51.059	80.00- 120.00	100.00
8.217	8.217 (0.592)	49	134437			0.00- 83.52	35.30
8.217	8.217 (0.592)	66	117185			0.00- 81.28	30.77
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	3589747	50.0000	52.322	80.00- 120.00	100.00
8.798	8.798 (0.634)	103	2280136			13.52- 113.52	63.52

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	462955	50.0000	46.696	80.00- 120.00	100.00
9.268	9.268 (0.667)	43	104372			0.00- 77.52	22.54
9.268	9.268 (0.667)	46	183878			0.00- 84.94	39.72
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	2249912	50.0000	51.238	80.00- 120.00	100.00
9.959	9.959 (0.717)	153	1423359			13.26- 113.26	63.26
9.959	9.959 (0.717)	101	3122856			88.80- 188.80	138.80
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.070	10.070 (0.725)	61	1495029	50.0000	52.444	80.00- 120.00	100.00
10.070	10.070 (0.725)	96	739726			0.00- 99.48	49.48
10.070	10.070 (0.725)	98	470605			0.00- 81.48	31.48
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	459284	50.0000	46.252	80.00- 120.00	100.00
10.208	10.208 (0.735)	43	1764439			307.56- 407.56	384.17
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	2243699	50.0000	52.037	80.00- 120.00	100.00
10.402	10.402 (0.749)	43	514105			0.00- 77.92	22.91
10.402	10.402 (0.749)	59	75472			0.00- 53.21	3.36
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	2014022	50.0000	53.539	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	338117	50.0000	52.608	80.00- 120.00	100.00
10.844	10.844 (0.781)	41	1312003			354.09- 454.09	388.03
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	1037799	50.0000	49.392	80.00- 120.00	100.00
11.121	11.121 (0.801)	84	601427			7.95- 107.95	57.95
11.121	11.121 (0.801)	51	306890			0.00- 84.82	29.57
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	1795988	50.0000	53.470	80.00- 120.00	100.00
11.480	11.480 (0.827)	57	451586			0.00- 75.14	25.14
11.480	11.480 (0.827)	41	546879			0.00- 86.33	30.45
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	756280	50.0000	51.103	80.00- 120.00	100.00
11.563	11.563 (0.833)	61	1317756			124.24- 224.24	174.24
11.563	11.563 (0.833)	98	486529			10.67- 110.67	64.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.922	11.922 (0.859)	57	1862479	50.0000	58.404	80.00- 120.00	100.00
11.922	11.922 (0.859)	43	1308766			27.36- 127.36	70.27
11.922	11.922 (0.859)	86	227213			0.00- 61.32	12.20
69 Vinyl Acetate					CAS #: 108-05-4		
12.393	12.393 (0.892)	86	182466	50.0000	57.622	80.00- 120.00	100.00
12.393	12.393 (0.892)	43	2767983			1665.80-1765.80	1516.99
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	1713868	50.0000	54.277	80.00- 120.00	100.00
12.393	12.393 (0.892)	65	532573			0.00- 81.07	31.07
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	358244	50.0000	56.107	80.00- 120.00	100.00
13.416	13.416 (0.966)	43	1974402			501.13- 601.13	551.13
13.416	13.416 (0.966)	57	143055			0.00- 86.63	39.93
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	1124823	50.0000	56.228	80.00- 120.00	100.00
13.443	13.443 (0.968)	96	707150			12.87- 112.87	62.87
13.443	13.443 (0.968)	98	442325			0.00- 89.32	39.32
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	1050997	50.0000	52.715	80.00- 120.00	100.00
13.886	13.886 (1.000)	71	324151			0.00- 80.84	30.84
13.886	13.886 (1.000)	72	352048			0.00- 79.52	33.50
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	1639507	50.0000	55.966	80.00- 120.00	100.00
13.969	13.969 (1.006)	85	1023542			12.43- 112.43	62.43
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	2032641	50.0000	54.722	80.00- 120.00	100.00
14.300	14.300 (1.030)	99	1324130			15.14- 115.14	65.14
85 Cyclohexane					CAS #: 110-82-7		
14.328	14.328 (1.032)	84	1170338	50.0000	59.872	80.00- 120.00	100.00
14.300	14.300 (1.030)	56	1651700			91.13- 191.13	141.13
14.300	14.300 (1.030)	41	992093			34.77- 134.77	84.77
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	1841282	50.0000	54.833	80.00- 120.00	100.00
14.549	14.549 (1.048)	117	1925342			54.57- 154.57	104.57
91 Benzene					CAS #: 71-43-2		
14.992	14.992 (0.959)	78	2226334	50.0000	50.892	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
91 Benzene (continued)							
14.992	14.992 (0.959)	77	486023			0.00- 72.01	21.83
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	5226359	50.0000	57.145	80.00- 120.00	100.00
14.881	14.881 (1.072)	56	1759218			0.00- 86.15	33.66
14.881	14.881 (1.072)	41	1521515			0.00- 84.85	29.11
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	1177042	50.0000	53.719	80.00- 120.00	100.00
15.102	15.102 (0.966)	64	372221			0.00- 83.32	31.62
94 Heptane					CAS #: 142-82-5		
15.213	15.213 (0.973)	71	782412	50.0000	60.021	80.00- 120.00	100.00
15.185	15.185 (0.972)	43	1720731			179.80- 279.80	219.93
15.213	15.213 (0.973)	57	866331			65.65- 165.65	110.73
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	903653	50.0000	54.615	80.00- 120.00	100.00
16.098	16.098 (1.030)	130	837373			42.67- 142.67	92.67
16.098	16.098 (1.030)	97	585718			14.82- 114.82	64.82
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	886826	50.0000	55.618	80.00- 120.00	100.00
16.568	16.568 (1.060)	62	651374			23.45- 123.45	73.45
16.568	16.568 (1.060)	41	616474			19.51- 119.51	69.51
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	522210	50.0000	55.472	80.00- 120.00	100.00
16.706	16.706 (1.069)	58	423298			31.06- 131.06	81.06
16.706	16.706 (1.069)	57	146630			0.00- 80.30	28.08
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	1722780	50.0000	54.506	80.00- 120.00	100.00
17.010	17.010 (1.088)	85	1061179			11.60- 111.60	61.60
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	1207114	50.0000	58.206	80.00- 120.00	100.00
17.784	17.784 (1.138)	77	384952			0.00- 81.89	31.89
17.784	17.784 (1.138)	39	806227			16.79- 116.79	66.79
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	804872	50.0000	63.416	80.00- 120.00	100.00
17.978	17.978 (1.150)	43	2192463			233.11- 333.11	272.40
17.978	17.978 (1.150)	85	279895			0.00- 83.94	34.78

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	2408451	50.0000	56.160	80.00- 120.00	100.00
18.337	18.337 (1.173)	92	1527291			13.41- 113.41	63.41
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	1341443	50.0000	56.467	80.00- 120.00	100.00
18.780	18.780 (0.903)	77	423894			0.00- 81.60	31.60
18.780	18.780 (0.903)	39	827888			11.72- 111.72	61.72
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	942034	50.0000	53.850	80.00- 120.00	100.00
19.111	19.111 (0.919)	99	587377			12.35- 112.35	62.35
19.111	19.111 (0.919)	83	814431			36.45- 136.45	86.45
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	1144592	50.0000	53.572	80.00- 120.00	100.00
19.277	19.277 (0.927)	129	870097			26.02- 126.02	76.02
19.277	19.277 (0.927)	131	827577			22.30- 122.30	72.30
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	1119395	50.0000	56.885	80.00- 120.00	100.00
19.443	19.443 (0.935)	43	2237539			149.89- 249.89	199.89
19.443	19.443 (0.935)	100	169206			0.00- 63.91	15.12
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	1666427	50.0000	56.346	80.00- 120.00	100.00
19.803	19.803 (0.952)	127	1277187			29.14- 129.14	76.64
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	1565266	50.0000	56.208	80.00- 120.00	100.00
20.079	20.079 (0.965)	109	1475196			44.25- 144.25	94.25
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	2081432	50.0000	52.970	80.00- 120.00	100.00
20.853	20.853 (1.003)	114	667095			0.00- 82.05	32.05
20.853	20.853 (1.003)	77	1276409			11.32- 111.32	61.32
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	1069713	50.0000	55.644	80.00- 120.00	100.00
20.964	20.964 (1.008)	91	3417817			265.30- 365.30	319.51
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	1318592	50.0000	58.515	80.00- 120.00	100.00
21.157	21.157 (1.017)	91	2688764			151.49- 251.49	203.91
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	1217943	50.0000	59.539	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	2561933			160.35- 260.35	210.35
131 Styrene						CAS #: 100-42-5	
21.876	21.876 (1.052)	104	1983586	50.0000	63.547	80.00- 120.00	100.00
21.876	21.876 (1.052)	78	1073105			4.10- 104.10	54.10
133 Bromoform						CAS #: 75-25-2	
22.291	22.291 (1.072)	173	1508828	50.0000	57.488	80.00- 120.00	100.00
22.291	22.291 (1.072)	171	778603			1.60- 101.60	51.60
134 Cumene						CAS #: 98-82-8	
22.429	22.429 (1.078)	105	3102704	50.0000	58.395	80.00- 120.00	100.00
22.429	22.429 (1.078)	120	798284			0.00- 75.05	25.73
22.429	22.429 (1.078)	51	388423			0.00- 64.78	12.52
140 1,1,2,2-Tetrachloroethane						CAS #: 79-34-5	
23.010	23.010 (1.106)	83	2015363	50.0000	54.168	80.00- 120.00	100.00
23.010	23.010 (1.106)	85	1252528			12.15- 112.15	62.15
142 Propylbenzene						CAS #: 103-65-1	
23.121	23.121 (1.112)	91	3794407	50.0000	59.583	80.00- 120.00	100.00
23.121	23.121 (1.112)	120	804183			0.00- 69.80	21.19
23.121	23.121 (1.112)	105	146340			0.00- 69.70	3.86
145 4-Ethyltoluene						CAS #: 622-96-8	
23.286	23.286 (1.120)	105	3024568	50.0000	61.261	80.00- 120.00	100.00
23.314	23.314 (1.121)	120	890991			0.00- 79.46	29.46
147 1,3,5-Trimethylbenzene						CAS #: 108-67-8	
23.397	23.397 (1.125)	105	2585730	50.0000	58.674	80.00- 120.00	100.00
23.397	23.397 (1.125)	120	1227801			0.00- 97.93	47.48
150 1,2,4-Trimethylbenzene						CAS #: 95-63-6	
24.033	24.033 (1.156)	105	2244057	50.0000	60.466	80.00- 120.00	100.00
24.033	24.033 (1.156)	120	1022459			0.00- 92.31	45.56
155 1,3-Dichlorobenzene						CAS #: 541-73-1	
24.586	24.586 (1.182)	146	1541666	50.0000	55.859	80.00- 120.00	100.00
24.586	24.586 (1.182)	148	994865			13.51- 113.51	64.53
24.586	24.586 (1.182)	111	660074			0.00- 93.79	42.82
156 1,4-Dichlorobenzene						CAS #: 106-46-7	
24.752	24.752 (1.190)	146	1555199	50.0000	55.199	80.00- 120.00	100.00
24.752	24.752 (1.190)	148	991741			13.00- 113.00	63.77
24.752	24.752 (1.190)	111	639264			0.00- 88.92	41.10

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	2178339	50.0000	59.794	80.00- 120.00	100.00
24.945	24.945 (1.199)	126	404057			0.00- 69.50	18.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	1373880	50.0000	58.713	80.00- 120.00	100.00
25.360	25.360 (1.219)	148	872391			13.50- 113.50	63.50
25.360	25.360 (1.219)	111	602410			0.00- 93.85	43.85
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	474658	50.0000	47.080	80.00- 120.00	100.00
28.153	28.153 (1.354)	182	458768			46.65- 146.65	96.65
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	742813	50.0000	46.218	80.00- 120.00	100.00
28.319	28.319 (1.362)	223	468936			12.56- 112.56	63.13
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.490)	58	232807	50.0000	47.898	80.00- 120.00	100.00
6.807	6.807 (0.490)	43	2039561			855.35- 955.35	876.07
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	2404717	50.0000	49.469	80.00- 120.00	100.00
8.273	8.273 (0.596)	57	1452220			9.08- 109.08	60.39
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	1349333	50.0000	60.458	80.00- 120.00	100.00
16.374	16.374 (1.179)	98	599786			0.00- 92.55	44.45
16.374	16.374 (1.179)	55	1317073			53.78- 153.78	97.61
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	1039491	50.0000	44.629	80.00- 120.00	100.00
28.678	28.678 (1.379)	127	129105			0.00- 62.44	12.42

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082209.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	210206	0.00
97 1,4-Difluorobenze	855220	513132	1197308	855220	0.00
126 Chlorobenzene-d5	776619	465971	1087267	776619	0.00

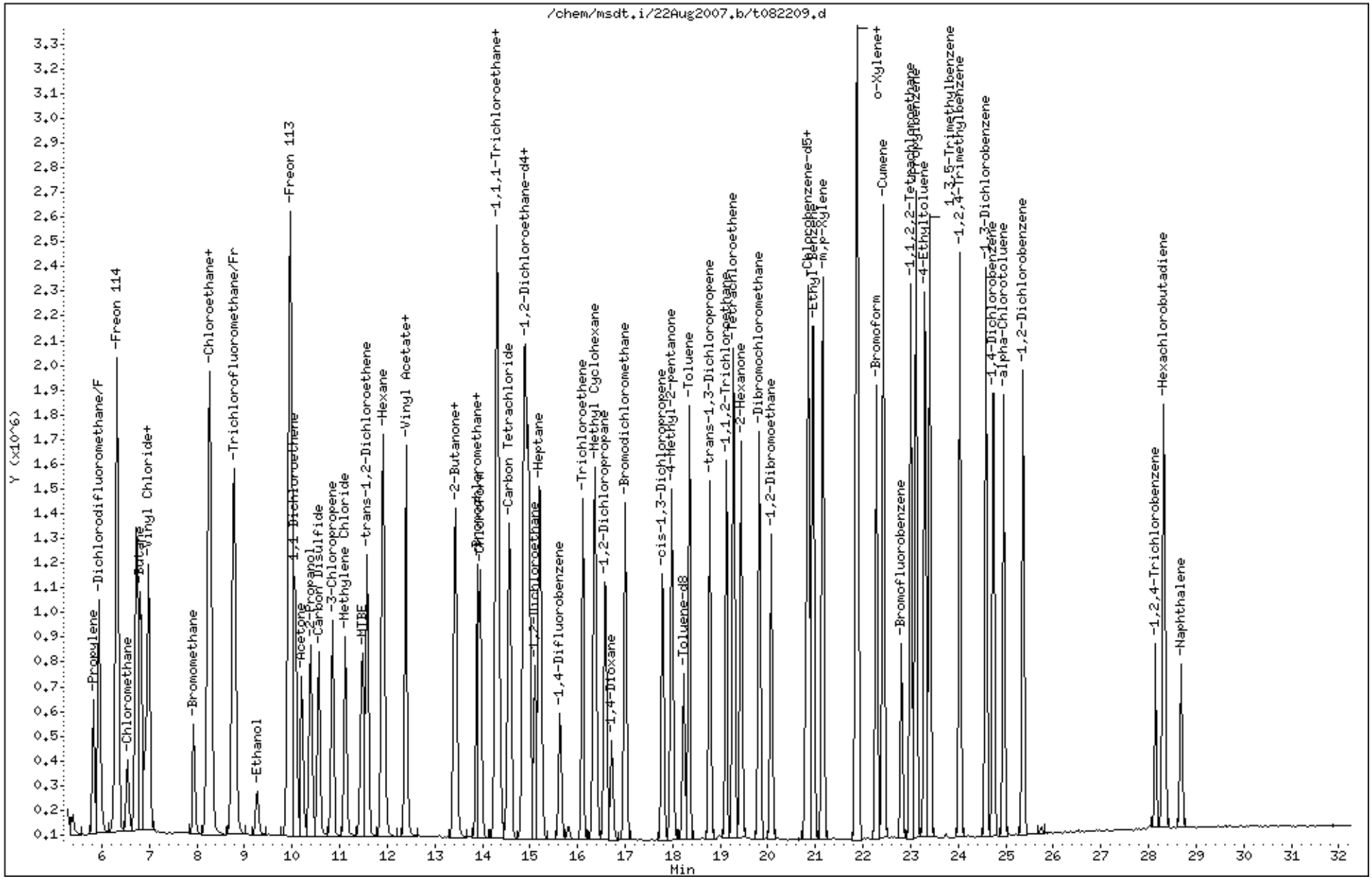
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	13.89	13.56	14.22	13.89	0.00
97 1,4-Difluorobenze	15.63	15.30	15.96	15.63	0.00
126 Chlorobenzene-d5	20.80	20.47	21.13	20.80	0.00

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/22Aug2007.b/t082209.d
Date : 22-AUG-2007 12:29
Client ID: Level 5
Sample Info: 50mL #1443-170

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

Column phase: RTx-624



0138

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/22Aug2007.b/t082210.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 22-AUG-2007 13:08
Operator : cb Inst ID: msdt.i
Smp Info : 100mL #1443-170
Misc Info : 200ppbv --> 100ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 14:09 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 13:08 Cal File: t082210.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		
13.885	13.885 (1.000)	130	214920	25.0000		50.00- 150.00	100.00
13.885	13.885 (1.000)	128	171285			27.29- 127.29	79.70
13.885	13.885 (1.000)	49	769422			194.19- 294.19	358.00
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.627	15.627 (1.000)	114	911439	25.0000		50.00- 150.00	100.00
15.627	15.627 (1.000)	88	141647			0.00- 66.13	15.54
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.798	20.798 (1.000)	117	801282	25.0000		50.00- 150.00	100.00
20.798	20.798 (1.000)	82	495998			12.31- 112.31	61.90
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.964	14.964 (1.078)	65	410892	25.0000	25.164	50.00- 150.00	100.00
14.964	14.964 (1.078)	67	267530			2.98- 102.98	65.11
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.226	18.226 (1.166)	98	885892	25.0000	25.023	50.00- 150.00	100.00
18.226	18.226 (1.166)	70	102536			0.00- 62.07	11.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.226	18.226 (1.166)	100	615150			18.35- 118.35	69.44
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	394599	25.0000	27.029	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	546416			92.73- 192.73	138.47
22.789	22.789 (1.096)	176	380257			46.25- 146.25	96.37
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	1130771	100.000	96.057	50.00- 150.00	100.00
5.840	5.840 (0.421)	42	796181			24.48- 124.48	70.41
5.840	5.840 (0.421)	39	888618			30.62- 130.62	78.59
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.428)	85	3884273	100.000	97.103	50.00- 150.00	100.00
5.950	5.950 (0.428)	87	1259372			0.00- 82.77	32.42
16 Freon 114					CAS #: 76-14-2		
6.310	6.310 (0.454)	135	3316604	100.000	94.570	50.00- 150.00	100.00
6.310	6.310 (0.454)	137	1047459			0.00- 80.13	31.58
18 Chloromethane					CAS #: 74-87-3		
6.558	6.558 (0.472)	50	1299622	100.000	90.213	50.00- 150.00	100.00
6.558	6.558 (0.472)	52	414051			0.00- 82.25	31.86
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	1572692	100.000	101.55	50.00- 150.00	100.00
6.918	6.918 (0.498)	64	492013			6.28- 106.28	31.28
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	2277075	100.000	104.22	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	2349761			68.34- 168.34	103.19
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	1284233	100.000	102.72	50.00- 150.00	100.00
7.941	7.941 (0.572)	96	1202708			52.08- 152.08	93.65
27 Chloroethane					CAS #: 75-00-3		
8.217	8.217 (0.592)	64	786570	100.000	102.50	50.00- 150.00	100.00
8.217	8.217 (0.592)	49	276238			0.00- 83.92	35.12
8.217	8.217 (0.592)	66	243269			0.00- 81.21	30.93
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	7457326	100.000	104.98	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	4795042			15.39- 115.39	64.30

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	873751	100.000	89.279	50.00- 150.00	100.00
9.268	9.268 (0.667)	43	190923			0.00- 76.10	21.85
9.268	9.268 (0.667)	46	328031			0.00- 85.59	37.54
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	4986604	100.000	108.66	50.00- 150.00	100.00
9.959	9.959 (0.717)	153	3161535			13.31- 113.31	63.40
9.959	9.959 (0.717)	101	6782248			85.79- 185.79	136.01
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	3399042	100.000	112.87	50.00- 150.00	100.00
10.042	10.042 (0.723)	96	1717371			2.45- 102.45	50.53
10.070	10.070 (0.725)	98	1107347			0.00- 81.04	32.58
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	1160031	100.000	110.33	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	4109132			306.72- 406.72	354.23
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	5497106	100.000	117.44	50.00- 150.00	100.00
10.402	10.402 (0.749)	43	1148855			0.00- 76.17	20.90
10.402	10.402 (0.749)	59	185043			0.00- 53.25	3.37
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	4267243	100.000	108.57	50.00- 150.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	808510	100.000	116.34	50.00- 150.00	100.00
10.844	10.844 (0.781)	41	3009173			346.11- 446.11	372.19
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	2225077	100.000	102.84	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	1304040			5.93- 105.93	58.61
11.121	11.121 (0.801)	51	667760			0.00- 83.86	30.01
60 MTBE					CAS #: 1634-04-4		
11.480	11.480 (0.827)	73	3641779	100.000	104.78	50.00- 150.00	100.00
11.452	11.452 (0.825)	57	939526			0.00- 74.23	25.80
11.452	11.452 (0.825)	41	1017620			0.00- 84.65	27.94
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	1702917	100.000	109.79	50.00- 150.00	100.00
11.563	11.563 (0.833)	61	2912538			113.20- 213.20	171.03
11.563	11.563 (0.833)	98	1073489			11.14- 111.14	63.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.922	11.922 (0.859)	57	4320052	100.000	124.41	50.00- 150.00	100.00
11.922	11.922 (0.859)	43	2982580			25.69- 125.69	69.04
11.922	11.922 (0.859)	86	541636			0.00- 61.56	12.54
69 Vinyl Acetate					CAS #: 108-05-4		
12.392	12.392 (0.892)	86	409857	100.000	118.70	50.00- 150.00	100.00
12.365	12.365 (0.890)	43	6156868			1612.40-1712.40	1502.20
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.392	12.392 (0.892)	63	3778532	100.000	113.18	50.00- 150.00	100.00
12.392	12.392 (0.892)	65	1159494			0.00- 80.96	30.69
75 2-Butanone					CAS #: 78-93-3		
13.415	13.415 (0.966)	72	790419	100.000	116.18	50.00- 150.00	100.00
13.415	13.415 (0.966)	43	4219551			486.20- 586.20	533.84
13.415	13.415 (0.966)	57	310985			0.00- 87.31	39.34
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	2333203	100.000	110.95	50.00- 150.00	100.00
13.443	13.443 (0.968)	96	1504161			16.27- 116.27	64.47
13.443	13.443 (0.968)	98	955908			0.00- 91.48	40.97
80 Tetrahydrofuran					CAS #: 109-99-9		
13.885	13.885 (1.000)	42	2205600	100.000	106.45	50.00- 150.00	100.00
13.885	13.885 (1.000)	71	694805			0.00- 79.00	31.50
13.885	13.885 (1.000)	72	754728			0.00- 80.46	34.22
82 Chloroform					CAS #: 67-66-3		
13.968	13.968 (1.006)	83	3377523	100.000	110.42	50.00- 150.00	100.00
13.968	13.968 (1.006)	85	2118194			16.08- 116.08	62.71
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	4316590	100.000	110.64	50.00- 150.00	100.00
14.300	14.300 (1.030)	99	2767004			13.88- 113.88	64.10
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	2629620	100.000	123.76	50.00- 150.00	100.00
14.300	14.300 (1.030)	56	3679617			96.03- 196.03	139.93
14.300	14.300 (1.030)	41	2154435			48.38- 148.38	81.93
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	3818015	100.000	108.77	50.00- 150.00	100.00
14.549	14.549 (1.048)	117	3998865			52.00- 152.00	104.74
91 Benzene					CAS #: 71-43-2		
14.991	14.991 (0.959)	78	4542139	100.000	97.845	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	992089			0.00- 71.98	21.84
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	12341540	100.000	124.05	50.00- 150.00	100.00
14.881	14.881 (1.072)	56	4151226			0.00- 85.64	33.64
14.881	14.881 (1.072)	41	3457049			0.00- 83.48	28.01
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	2349486	100.000	100.49	50.00- 150.00	100.00
15.102	15.102 (0.966)	64	742999			0.00- 82.98	31.62
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	1669161	100.000	115.49	50.00- 150.00	100.00
15.185	15.185 (0.972)	43	3588762			176.84- 276.84	215.00
15.185	15.185 (0.972)	57	1842248			64.59- 164.59	110.37
101 Trichloroethene					CAS #: 79-01-6		
16.097	16.097 (1.030)	95	1849496	100.000	103.87	50.00- 150.00	100.00
16.097	16.097 (1.030)	130	1701239			41.79- 141.79	91.98
16.097	16.097 (1.030)	97	1182384			15.62- 115.62	63.93
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.567	16.567 (1.060)	63	1820653	100.000	105.63	50.00- 150.00	100.00
16.567	16.567 (1.060)	62	1339881			23.14- 123.14	73.59
16.567	16.567 (1.060)	41	1248328			31.51- 131.51	68.56
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	1092238	100.000	106.50	50.00- 150.00	100.00
16.706	16.706 (1.069)	58	889275			32.29- 132.29	81.42
16.706	16.706 (1.069)	57	294797			0.00- 79.47	26.99
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	3401041	100.000	100.77	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	2098226			10.81- 110.81	61.69
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	2450248	100.000	108.50	50.00- 150.00	100.00
17.784	17.784 (1.138)	77	780370			0.00- 83.31	31.85
17.784	17.784 (1.138)	39	1615038			22.61- 122.61	65.91
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	1715784	100.000	120.38	50.00- 150.00	100.00
17.978	17.978 (1.150)	43	4625428			230.40- 330.40	269.58
17.978	17.978 (1.150)	85	601583			0.00- 84.16	35.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.337	18.337 (1.173)	91	4947599	100.000	106.49	50.00- 150.00	100.00
18.337	18.337 (1.173)	92	3084445			14.45- 114.45	62.34
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.779	18.779 (0.903)	75	2716044	100.000	108.46	50.00- 150.00	100.00
18.779	18.779 (0.903)	77	855594			0.00- 85.14	31.50
18.779	18.779 (0.903)	39	1669499			18.67- 118.67	61.47
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	1911940	100.000	104.69	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	1194708			14.35- 114.35	62.49
19.111	19.111 (0.919)	83	1659981			37.90- 137.90	86.82
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	2328408	100.000	104.45	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	1752192			27.07- 127.07	75.25
19.277	19.277 (0.927)	131	1670745			24.38- 124.38	71.75
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	2395561	100.000	112.91	50.00- 150.00	100.00
19.443	19.443 (0.935)	43	4651125			155.81- 255.81	194.16
19.443	19.443 (0.935)	100	355729			0.00- 64.15	14.85
122 Dibromochloromethane					CAS #: 124-48-1		
19.802	19.802 (0.952)	129	3365460	100.000	108.07	50.00- 150.00	100.00
19.802	19.802 (0.952)	127	2622205			28.89- 128.89	77.92
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	3192685	100.000	108.70	50.00- 150.00	100.00
20.079	20.079 (0.965)	109	2984056			47.12- 147.12	93.47
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	4274713	100.000	104.30	50.00- 150.00	100.00
20.853	20.853 (1.003)	114	1374334			0.00- 83.78	32.15
20.853	20.853 (1.003)	77	2576428			24.40- 124.40	60.27
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	2223378	100.000	109.45	50.00- 150.00	100.00
20.964	20.964 (1.008)	91	7050814			265.67- 365.67	317.12
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	2783117	100.000	115.17	50.00- 150.00	100.00
21.157	21.157 (1.017)	91	5547520			151.06- 251.06	199.33
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	2533641	100.000	115.42	50.00- 150.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	5286751			170.45- 270.45	208.66
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	4173966	100.000	123.51	50.00- 150.00	100.00
21.876	21.876 (1.052)	78	2201448			12.29- 112.29	52.74
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	3102152	100.000	111.32	50.00- 150.00	100.00
22.291	22.291 (1.072)	171	1599234			1.68- 101.68	51.55
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	6534034	100.000	115.50	50.00- 150.00	100.00
22.429	22.429 (1.078)	120	1693544			0.00- 75.19	25.92
22.429	22.429 (1.078)	51	821084			0.00- 64.41	12.57
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	4175052	100.000	106.89	50.00- 150.00	100.00
23.010	23.010 (1.106)	85	2591309			12.14- 112.14	62.07
142 Propylbenzene					CAS #: 103-65-1		
23.120	23.120 (1.112)	91	8134665	100.000	118.18	50.00- 150.00	100.00
23.120	23.120 (1.112)	120	1712494			0.00- 70.05	21.05
23.120	23.120 (1.112)	105	307006			0.00- 66.51	3.77
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	6632894	100.000	122.79	50.00- 150.00	100.00
23.314	23.314 (1.121)	120	1945458			0.00- 80.34	29.33
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	5474152	100.000	115.68	50.00- 150.00	100.00
23.397	23.397 (1.125)	120	2616513			0.00- 97.91	47.80
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	4887107	100.000	120.95	50.00- 150.00	100.00
24.033	24.033 (1.156)	120	2228130			0.00- 92.97	45.59
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	3402141	100.000	115.00	50.00- 150.00	100.00
24.586	24.586 (1.182)	148	2149652			13.45- 113.45	63.19
24.586	24.586 (1.182)	111	1435837			0.00- 93.47	42.20
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	3426778	100.000	113.81	50.00- 150.00	100.00
24.752	24.752 (1.190)	148	2165374			13.03- 113.03	63.19
24.752	24.752 (1.190)	111	1384647			0.00- 89.21	40.41

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	4911322	100.000	123.11	50.00- 150.00	100.00
24.945	24.945 (1.199)	126	913202			0.00- 69.32	18.59
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	3031464	100.000	119.46	50.00- 150.00	100.00
25.360	25.360 (1.219)	148	1933823			16.84- 116.84	63.79
25.360	25.360 (1.219)	111	1341983			0.00- 96.87	44.27
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	1248418	100.000	114.30	50.00- 150.00	100.00
28.153	28.153 (1.354)	182	1196037			49.61- 149.61	95.80
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.318	28.318 (1.362)	225	1752886	100.000	104.22	50.00- 150.00	100.00
28.318	28.318 (1.362)	223	1084888			12.39- 112.39	61.89
19 Butane					CAS #: 106-97-8		
6.807	6.807 (0.490)	58	473858	100.000	96.474	50.00- 150.00	100.00
6.807	6.807 (0.490)	43	4013655			840.77- 940.77	847.02
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	5225774	100.000	103.81	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	3308161			10.13- 110.13	63.30
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	2913917	100.000	120.99	50.00- 150.00	100.00
16.374	16.374 (1.179)	98	1316454			0.00- 93.08	45.18
16.374	16.374 (1.179)	55	2856757			52.63- 152.63	98.04
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	2871448	100.000	113.94	50.00- 150.00	100.00
28.678	28.678 (1.379)	127	345373			0.00- 62.34	12.03

Report Date: 22-Aug-2007 14:09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082210.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv --> 100ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	214920	2.24
97 1,4-Difluorobenze	855220	513132	1197308	911439	6.57
126 Chlorobenzene-d5	776619	465971	1087267	801282	3.18

		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.

0148

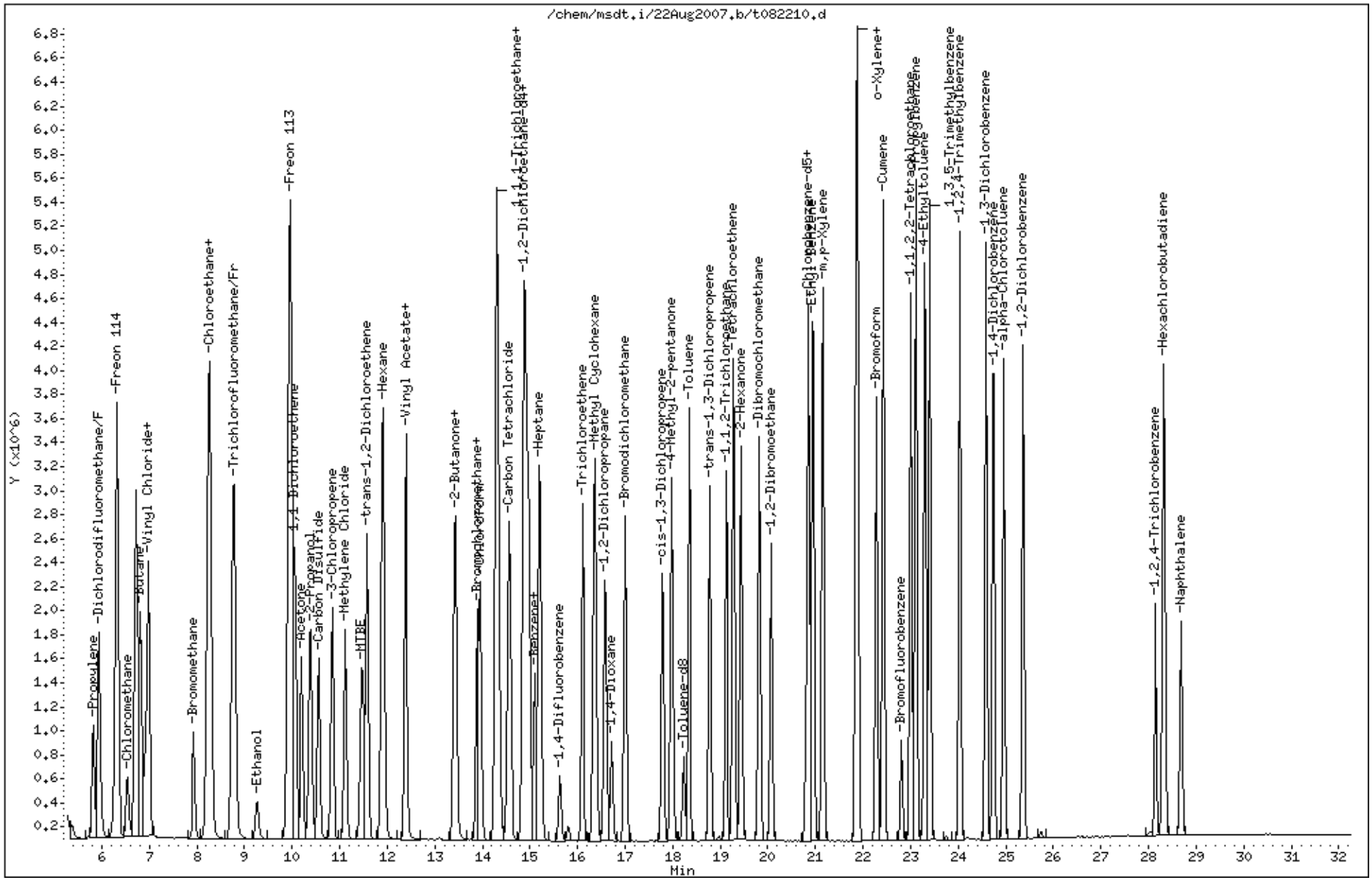
Data File: /chem/msdt.i/22Aug2007.b/t082210.d
Date : 22-AUG-2007 13:08
Client ID: Level 6
Sample Info: 100mL #1443-170

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/23Aug2007.b/t082306.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 23-AUG-2007 11:51
Operator : cb Inst ID: msdt.i
Smp Info : 200mL #1487-368
Misc Info : 200/1200ppbv
Comment :
Method : /chem/msdt.i/23Aug2007.b/t14q822b.m
Meth Date : 23-Aug-2007 12:30 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.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		
13.893	13.893 (1.000)	130	202060	25.0000		50.00- 150.00	100.00
13.893	13.893 (1.000)	128	155638			28.12- 128.12	77.03
13.893	13.893 (1.000)	49	391970			173.95- 273.95	193.99
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	799813	25.0000		50.00- 150.00	100.00
15.635	15.635 (1.000)	88	134559			0.00- 66.33	16.82
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	716394	25.0000		50.00- 150.00	100.00
20.805	20.805 (1.000)	82	450430			12.59- 112.59	62.87
5 Freon 143a					CAS #: 420-46-2		
5.534	5.534 (0.398)	69	3608363	200.000	211.80	50.00- 150.00	100.00(A)
6 Freon142b					CAS #: 75-68-3		
6.436	6.436 (0.463)	65	5548768	200.000	195.35	50.00- 150.00	100.00
6.436	6.436 (0.463)	45	1426804			0.00- 79.66	25.71

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
9 Freon 13					CAS #: 75-72-9		
5.394	5.394 (0.388)	69	5047688	200.000	193.28	50.00- 150.00	100.00
5.394	5.394 (0.388)	85	1598468			0.00- 81.85	31.67
5.422	5.422 (0.390)	87	515905			0.00- 60.44	10.22
13 Freon 134a					CAS #: 811-97-2		
5.703	5.703 (0.411)	83	2293108	200.000	191.79	50.00- 150.00	100.00
5.703	5.703 (0.411)	69	1928721			34.11- 134.11	84.11
15 Freon 152a					CAS #: 75-37-6		
5.872	5.872 (0.423)	65	1341392	200.000	101.98	50.00- 150.00	100.00
5.872	5.872 (0.423)	51	3120258			186.89- 286.89	232.61
5.872	5.872 (0.423)	47	704577			2.86- 102.86	52.53
17 Freon 22					CAS #: 75-45-6		
6.013	6.013 (0.433)	67	653806	200.000	189.85	50.00- 150.00	100.00
6.013	6.013 (0.433)	51	4646716			663.37- 763.37	710.72
6.013	6.013 (0.433)	85	59276			0.00- 82.72	9.07
26 Methanol					CAS #: 67-56-1		
7.562	7.562 (0.544)	31	6147417	1200.00	1055.2	50.00- 150.00	100.00
7.562	7.562 (0.544)	32	4503237			40.27- 140.27	73.25
34 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
8.745	8.745 (0.629)	67	4506792	200.000	195.99	50.00- 150.00	100.00
8.745	8.745 (0.629)	69	1399013			0.00- 81.22	31.04
8.745	8.745 (0.629)	35	312582			0.00- 57.71	6.94
40 Freon123a					CAS #: 354-23-4		
9.579	9.579 (0.690)	67	5731076	200.000	173.62	50.00- 150.00	100.00
9.579	9.579 (0.690)	117	3707340			15.08- 115.08	64.69
41 Freon123					CAS #: 306-83-2		
9.718	9.718 (0.699)	83	7324724	200.000	178.42	50.00- 150.00	100.00
9.718	9.718 (0.699)	133	1387679			0.00- 70.14	18.95
9.718	9.718 (0.699)	85	4808933			16.73- 116.73	65.65
57 tert-Butyl-Alcohol					CAS #: 75-65-0		
11.155	11.155 (0.803)	59	3874913	200.000	146.80	50.00- 150.00	100.00
11.155	11.155 (0.803)	41	981421			0.00- 88.65	25.33
11.155	11.155 (0.803)	57	403030			0.00- 60.15	10.40
68 Isopropyl ether					CAS #: 108-20-3		
12.289	12.289 (0.885)	45	16481487	200.000	211.88	50.00- 150.00	100.00(A)
12.289	12.289 (0.885)	87	2873645			0.00- 67.41	17.44
12.289	12.289 (0.885)	59	1537342			0.00- 59.18	9.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
71 1-Propanol					CAS #: 71-23-8		
12.400	12.400 (0.893)	42	725565	200.000	192.14	50.00- 150.00	100.00
12.400	12.400 (0.893)	59	717738			28.10- 128.10	98.92
12.289	12.289 (0.885)	41	3082617			276.98- 376.98	424.86
73 t-Butylethyl Ether					CAS #: 637-92-3		
12.925	12.925 (0.930)	59	12035964	200.000	198.15	50.00- 150.00	100.00
12.925	12.925 (0.930)	87	3908082			0.00- 82.65	32.47
12.925	12.925 (0.930)	41	2414337			0.00- 73.82	20.06
77 Ethyl Acetate					CAS #: 141-78-6		
13.395	13.395 (0.964)	45	1177450	200.000	194.86	50.00- 150.00	100.00
13.395	13.395 (0.964)	61	970057			25.21- 125.21	82.39
13.395	13.395 (0.964)	43	8276998			620.22- 720.22	702.96
99 Isobutanol					CAS #: 78-83-1		
14.612	14.612 (0.935)	59	83773	200.000	246.32	50.00- 150.00	100.00(A)
14.612	14.612 (0.935)	41	2265958			2434.32-2534.32	2704.88
14.612	14.612 (0.935)	43	3002675			3060.68-3160.68	3584.30
92 tert-amyl-Methyl Ether					CAS #: 994-05-8		
14.999	14.999 (1.080)	73	8150537	200.000	206.54	50.00- 150.00	100.00(A)
14.999	14.999 (1.080)	87	1893245			0.00- 72.94	23.23
14.999	14.999 (1.080)	55	2566872			0.00- 86.26	31.49
96 2-Heptanone					CAS #: 110-43-0		
21.994	21.994 (1.583)	58	5381937	200.000	272.91	50.00- 150.00	100.00(A)
21.994	21.994 (1.583)	43	9060112			130.44- 230.44	168.34
98 1-Butanol					CAS #: 71-36-3		
15.801	15.801 (1.011)	56	2350606	200.000	260.38	50.00- 150.00	100.00(A)
15.801	15.801 (1.011)	41	1790348			34.27- 134.27	76.17
15.801	15.801 (1.011)	43	1377918			13.14- 113.14	58.62
119 Butyl Acetate					CAS #: 123-86-4		
19.533	19.533 (1.249)	56	3724954	200.000	248.11	50.00- 150.00	100.00(A)
19.533	19.533 (1.249)	73	1088461			0.00- 80.79	29.22
19.533	19.533 (1.249)	43	9736332			210.58- 310.58	261.38
135 Cyclohexanone					CAS #: 108-94-1		
22.741	22.741 (1.093)	55	4429958	200.000	251.43	50.00- 150.00	100.00(A)
22.741	22.741 (1.093)	98	1563609			0.00- 86.44	35.30
22.741	22.741 (1.093)	42	3205491			25.57- 125.57	72.36
146 Diisobutyl Ketone					CAS #: 108-83-8		
23.570	23.570 (1.133)	57	8472297	200.000	246.49	50.00- 150.00	100.00(A)

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
146 Diisobutyl Ketone (continued)							
23.570	23.570 (1.133)	85	5850456			18.30- 118.30	69.05
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: t082306.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/23Aug2007.b/t14q822b.m
Misc Info: 200/1200ppbv

Calibration Date: 23-AUG-2007
Calibration Time: 10:06
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	193871	116323	271419	202060	4.22
97 1,4-Difluorobenze	802655	481593	1123717	799813	-0.35
126 Chlorobenzene-d5	683333	410000	956666	716394	4.84

		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	20.81	20.48	21.14	20.81	0.00

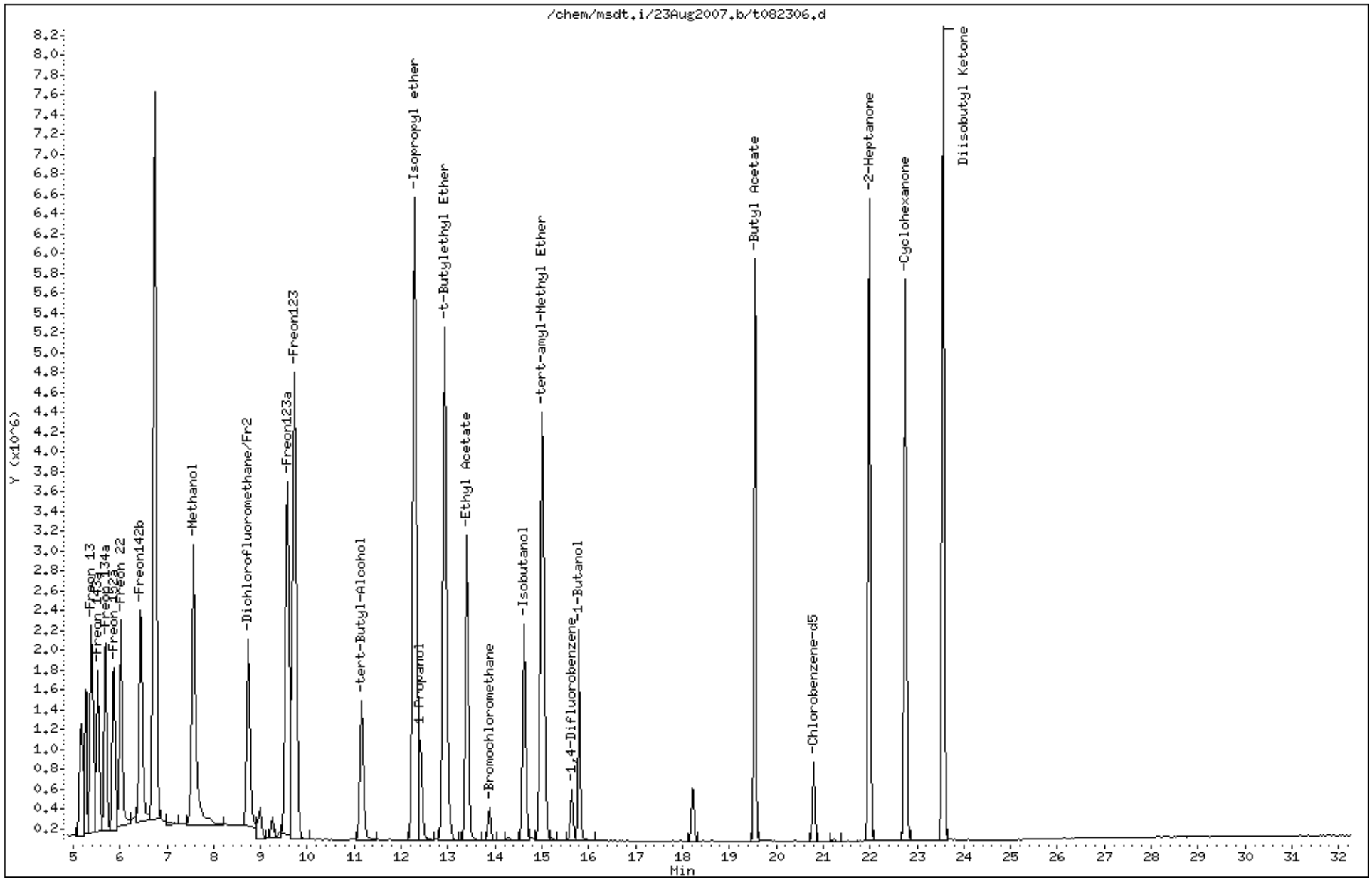
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0154

Data File: /chem/msdt.i/23Aug2007.b/t082306.d
Date : 23-AUG-2007 11:51
Client ID: Level 7
Sample Info: 200mL #1487-368

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/22Aug2007.b/t082211.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 22-AUG-2007 13:48
Operator : cb Inst ID: msdt.i
Smp Info : 200mL #1443-170
Misc Info : 200ppbv
Comment :
Method : /chem/msdt.i/22Aug2007.b/t14q822a.m
Meth Date : 22-Aug-2007 14:09 lover Quant Type: ISTD
Cal Date : 22-AUG-2007 13:48 Cal File: t082211.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	216168	25.0000		50.00- 150.00		100.00
13.886	13.886 (1.000)	128	163331			27.29- 127.29		75.56
13.969	13.969 (1.000)	49	1065899			194.19- 294.19		493.09
* 97 1,4-Difluorobenzene					CAS #: 540-36-3			
15.628	15.628 (1.000)	114	900067	25.0000		50.00- 150.00		100.00
15.628	15.628 (1.000)	88	142166			0.00- 66.13		15.80
* 126 Chlorobenzene-d5					CAS #: 3114-55-4			
20.798	20.798 (1.000)	117	817455	25.0000		50.00- 150.00		100.00
20.798	20.798 (1.000)	82	490884			12.31- 112.31		60.05
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
14.964	14.964 (1.078)	65	421852	25.0000	25.586	50.00- 150.00		100.00
14.964	14.964 (1.078)	67	337538			2.98- 102.98		80.01
$ 113 Toluene-d8					CAS #: 2037-26-5			
18.227	18.227 (1.166)	98	890373	25.0000	25.400	50.00- 150.00		100.00
18.227	18.227 (1.166)	70	103359			0.00- 62.07		11.61

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	622476			18.35- 118.35	69.91
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.789	22.789 (1.096)	174	418124	25.0000	27.590	50.00- 150.00	100.00
22.789	22.789 (1.096)	95	567092			92.73- 192.73	135.63
22.789	22.789 (1.096)	176	395936			46.25- 146.25	94.69
11 Propylene					CAS #: 115-07-1		
5.840	5.840 (0.421)	41	2312042	200.000	196.20	50.00- 150.00	100.00
5.840	5.840 (0.421)	42	1618855			24.48- 124.48	70.02
5.840	5.840 (0.421)	39	1800389			30.62- 130.62	77.87
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.950	5.950 (0.429)	85	7430845	200.000	187.08	50.00- 150.00	100.00
5.950	5.950 (0.429)	87	2411201			0.00- 82.77	32.45
16 Freon 114					CAS #: 76-14-2		
6.337	6.337 (0.456)	135	5357544	200.000	158.23	50.00- 150.00	100.00
6.337	6.337 (0.456)	137	1681827			0.00- 80.13	31.39
18 Chloromethane					CAS #: 74-87-3		
6.559	6.559 (0.472)	50	2667055	200.000	187.04	50.00- 150.00	100.00
6.559	6.559 (0.472)	52	872301			0.00- 82.25	32.71
20 Vinyl Chloride					CAS #: 75-01-4		
6.918	6.918 (0.498)	62	3090154	200.000	198.65	50.00- 150.00	100.00
6.918	6.918 (0.498)	64	970847			6.28- 106.28	31.42
22 1,3-Butadiene					CAS #: 106-99-0		
6.973	6.973 (0.502)	54	3494348	200.000	164.64	50.00- 150.00	100.00
6.973	6.973 (0.502)	39	3546767			68.34- 168.34	101.50
25 Bromomethane					CAS #: 74-83-9		
7.941	7.941 (0.572)	94	2597685	200.000	205.45	50.00- 150.00	100.00(A)
7.941	7.941 (0.572)	96	2448704			52.08- 152.08	94.26
27 Chloroethane					CAS #: 75-00-3		
8.218	8.218 (0.592)	64	1588171	200.000	204.79	50.00- 150.00	100.00(A)
8.218	8.218 (0.592)	49	532956			0.00- 83.92	33.56
8.218	8.218 (0.592)	66	495254			0.00- 81.21	31.18
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.798	8.798 (0.634)	101	11959280	200.000	172.07	50.00- 150.00	100.00
8.798	8.798 (0.634)	103	7635954			15.39- 115.39	63.85

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	1434102	200.000	154.06	50.00- 150.00	100.00
9.268	9.268 (0.667)	43	300921			0.00- 76.10	20.98
9.268	9.268 (0.667)	46	536480			0.00- 85.59	37.41
42 Freon 113					CAS #: 76-13-1		
9.959	9.959 (0.717)	151	8864567	200.000	193.34	50.00- 150.00	100.00
9.959	9.959 (0.717)	153	5608238			13.31- 113.31	63.27
9.959	9.959 (0.717)	101	12040289			85.79- 185.79	135.82
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.042	10.042 (0.723)	61	6115533	200.000	201.58	50.00- 150.00	100.00(A)
10.070	10.070 (0.725)	96	3133326			2.45- 102.45	51.24
10.070	10.070 (0.725)	98	1990043			0.00- 81.04	32.54
45 Acetone					CAS #: 67-64-1		
10.208	10.208 (0.735)	58	2048352	200.000	194.92	50.00- 150.00	100.00
10.208	10.208 (0.735)	43	7188096			306.72- 406.72	350.92
46 2-Propanol					CAS #: 67-63-0		
10.402	10.402 (0.749)	45	9696878	200.000	204.75	50.00- 150.00	100.00(A)
10.402	10.402 (0.749)	43	2004754			0.00- 76.17	20.67
10.402	10.402 (0.749)	59	350060			0.00- 53.25	3.61
47 Carbon Disulfide					CAS #: 75-15-0		
10.568	10.568 (0.761)	76	8307214	200.000	208.38	50.00- 150.00	100.00(A)
51 3-Chloropropene					CAS #: 107-05-1		
10.844	10.844 (0.781)	76	1558260	200.000	217.93	50.00- 150.00	100.00(A)
10.844	10.844 (0.781)	41	5571736			346.11- 446.11	357.56
54 Methylene Chloride					CAS #: 75-09-2		
11.121	11.121 (0.801)	49	4053793	200.000	188.43	50.00- 150.00	100.00
11.121	11.121 (0.801)	84	2429761			5.93- 105.93	59.94
11.121	11.121 (0.801)	51	1233569			0.00- 83.86	30.43
60 MTBE					CAS #: 1634-04-4		
11.453	11.453 (0.825)	73	6062844	200.000	177.36	50.00- 150.00	100.00
11.453	11.453 (0.825)	57	1558663			0.00- 74.23	25.71
11.453	11.453 (0.825)	41	1671543			0.00- 84.65	27.57
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.563	11.563 (0.833)	96	3329068	200.000	211.04	50.00- 150.00	100.00(A)
11.563	11.563 (0.833)	61	5556251			113.20- 213.20	166.90
11.563	11.563 (0.833)	98	2110541			11.14- 111.14	63.40

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	8887893	200.000	243.43	50.00- 150.00	100.00(A)
11.923	11.923 (0.859)	43	5990259			25.69- 125.69	67.40
11.923	11.923 (0.859)	86	1137236			0.00- 61.56	12.80
69 Vinyl Acetate					CAS #: 108-05-4		
12.393	12.393 (0.892)	86	811453	200.000	226.04	50.00- 150.00	100.00(A)
12.365	12.365 (0.890)	43	11874547			1612.40-1712.40	1463.37
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.393	12.393 (0.892)	63	7237155	200.000	212.78	50.00- 150.00	100.00(A)
12.393	12.393 (0.892)	65	2221092			0.00- 80.96	30.69
75 2-Butanone					CAS #: 78-93-3		
13.416	13.416 (0.966)	72	1539921	200.000	220.44	50.00- 150.00	100.00(A)
13.416	13.416 (0.966)	43	8066376			486.20- 586.20	523.82
13.416	13.416 (0.966)	57	602703			0.00- 87.31	39.14
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.443	13.443 (0.968)	61	4491258	200.000	210.18	50.00- 150.00	100.00(A)
13.443	13.443 (0.968)	96	2947168			16.27- 116.27	65.62
13.443	13.443 (0.968)	98	1878903			0.00- 91.48	41.83
80 Tetrahydrofuran					CAS #: 109-99-9		
13.886	13.886 (1.000)	42	4193244	200.000	201.02	50.00- 150.00	100.00(A)
13.886	13.886 (1.000)	71	1353765			0.00- 79.00	32.28
13.886	13.886 (1.000)	72	1463339			0.00- 80.46	34.90
82 Chloroform					CAS #: 67-66-3		
13.969	13.969 (1.006)	83	6319495	200.000	204.61	50.00- 150.00	100.00(A)
13.969	13.969 (1.006)	85	3956924			16.08- 116.08	62.61
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.300	14.300 (1.030)	97	8225831	200.000	207.95	50.00- 150.00	100.00(A)
14.300	14.300 (1.030)	99	5273790			13.88- 113.88	64.11
85 Cyclohexane					CAS #: 110-82-7		
14.300	14.300 (1.030)	84	5137023	200.000	232.55	50.00- 150.00	100.00(A)
14.300	14.300 (1.030)	56	7283668			96.03- 196.03	141.79
14.300	14.300 (1.030)	41	4081625			48.38- 148.38	79.46
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.549	14.549 (1.048)	119	7278924	200.000	205.11	50.00- 150.00	100.00(A)
14.549	14.549 (1.048)	117	7573617			52.00- 152.00	104.05
91 Benzene					CAS #: 71-43-2		
14.964	14.964 (0.958)	78	8741779	200.000	191.97	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	1926901			0.00- 71.98	22.04
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.881	14.881 (1.072)	57	24467180	200.000	235.76	50.00- 150.00	100.00(A)
14.881	14.881 (1.072)	56	8230281			0.00- 85.64	33.64
14.881	14.881 (1.072)	41	6594986			0.00- 83.48	26.95
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.102	15.102 (0.966)	62	4424511	200.000	192.98	50.00- 150.00	100.00
15.102	15.102 (0.966)	64	1377276			0.00- 82.98	31.13
94 Heptane					CAS #: 142-82-5		
15.185	15.185 (0.972)	71	3349117	200.000	228.08	50.00- 150.00	100.00(A)
15.185	15.185 (0.972)	43	7229984			176.84- 276.84	215.88
15.185	15.185 (0.972)	57	3809384			64.59- 164.59	113.74
101 Trichloroethene					CAS #: 79-01-6		
16.098	16.098 (1.030)	95	3504742	200.000	199.43	50.00- 150.00	100.00
16.098	16.098 (1.030)	130	3248628			41.79- 141.79	92.69
16.098	16.098 (1.030)	97	2239051			15.62- 115.62	63.89
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.568	16.568 (1.060)	63	3562568	200.000	207.70	50.00- 150.00	100.00(A)
16.568	16.568 (1.060)	62	2622796			23.14- 123.14	73.62
16.568	16.568 (1.060)	41	2319107			31.51- 131.51	65.10
106 1,4-Dioxane					CAS #: 123-91-1		
16.706	16.706 (1.069)	88	2163666	200.000	210.77	50.00- 150.00	100.00(A)
16.706	16.706 (1.069)	58	1739587			32.29- 132.29	80.40
16.706	16.706 (1.069)	57	587188			0.00- 79.47	27.14
107 Bromodichloromethane					CAS #: 75-27-4		
17.010	17.010 (1.088)	83	6413665	200.000	193.66	50.00- 150.00	100.00
17.010	17.010 (1.088)	85	3960145			10.81- 110.81	61.75
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.784	17.784 (1.138)	75	4781826	200.000	211.88	50.00- 150.00	100.00(A)
17.784	17.784 (1.138)	77	1520578			0.00- 83.31	31.80
17.784	17.784 (1.138)	39	3122266			22.61- 122.61	65.29
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.978	17.978 (1.150)	58	3510752	200.000	239.57	50.00- 150.00	100.00(A)
17.978	17.978 (1.150)	43	9228201			230.40- 330.40	262.86
17.978	17.978 (1.150)	85	1205773			0.00- 84.16	34.35

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	9791968	200.000	211.07	50.00- 150.00	100.00(A)
18.337	18.337 (1.173)	92	6065400			14.45- 114.45	61.94
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.780	18.780 (0.903)	75	5259171	200.000	204.87	50.00- 150.00	100.00(A)
18.780	18.780 (0.903)	77	1675599			0.00- 85.14	31.86
18.780	18.780 (0.903)	39	3218123			18.67- 118.67	61.19
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.111	19.111 (0.919)	97	3721402	200.000	199.78	50.00- 150.00	100.00
19.111	19.111 (0.919)	99	2332841			14.35- 114.35	62.69
19.111	19.111 (0.919)	83	3214859			37.90- 137.90	86.39
120 Tetrachloroethene					CAS #: 127-18-4		
19.277	19.277 (0.927)	166	4490548	200.000	197.88	50.00- 150.00	100.00
19.277	19.277 (0.927)	129	3371885			27.07- 127.07	75.09
19.277	19.277 (0.927)	131	3214785			24.38- 124.38	71.59
121 2-Hexanone					CAS #: 591-78-6		
19.443	19.443 (0.935)	58	4847034	200.000	218.70	50.00- 150.00	100.00(A)
19.443	19.443 (0.935)	43	9134494			155.81- 255.81	188.46
19.443	19.443 (0.935)	100	722321			0.00- 64.15	14.90
122 Dibromochloromethane					CAS #: 124-48-1		
19.803	19.803 (0.952)	129	6556658	200.000	205.28	50.00- 150.00	100.00(A)
19.803	19.803 (0.952)	127	5082779			28.89- 128.89	77.52
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.079	20.079 (0.965)	107	6223433	200.000	206.37	50.00- 150.00	100.00(A)
20.079	20.079 (0.965)	109	5872083			47.12- 147.12	94.35
127 Chlorobenzene					CAS #: 108-90-7		
20.853	20.853 (1.003)	112	8481237	200.000	202.37	50.00- 150.00	100.00(A)
20.853	20.853 (1.003)	114	2691981			0.00- 83.78	31.74
20.853	20.853 (1.003)	77	5046502			24.40- 124.40	59.50
128 Ethyl Benzene					CAS #: 100-41-4		
20.964	20.964 (1.008)	106	4435074	200.000	211.53	50.00- 150.00	100.00(A)
20.936	20.936 (1.007)	91	14074153			265.67- 365.67	317.34
129 m,p-Xylene					CAS #: 108-38-3		
21.157	21.157 (1.017)	106	5575634	200.000	221.33	50.00- 150.00	100.00(A)
21.157	21.157 (1.017)	91	11065075			151.06- 251.06	198.45
130 o-Xylene					CAS #: 95-47-6		
21.849	21.849 (1.051)	106	5098067	200.000	222.52	50.00- 150.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 o-Xylene (continued)							
21.849	21.849 (1.051)	91	10555767			170.45- 270.45	207.05
131 Styrene					CAS #: 100-42-5		
21.876	21.876 (1.052)	104	8558618	200.000	239.97	50.00- 150.00	100.00(A)
21.876	21.876 (1.052)	78	4397582			12.29- 112.29	51.38
133 Bromoform					CAS #: 75-25-2		
22.291	22.291 (1.072)	173	6182631	200.000	214.35	50.00- 150.00	100.00(A)
22.291	22.291 (1.072)	171	3178184			1.68- 101.68	51.41
134 Cumene					CAS #: 98-82-8		
22.429	22.429 (1.078)	105	13357432	200.000	226.35	50.00- 150.00	100.00(A)
22.429	22.429 (1.078)	120	3451846			0.00- 75.19	25.84
22.429	22.429 (1.078)	51	1617002			0.00- 64.41	12.11
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.010	23.010 (1.106)	83	8402008	200.000	208.96	50.00- 150.00	100.00(A)
23.010	23.010 (1.106)	85	5215370			12.14- 112.14	62.07
142 Propylbenzene					CAS #: 103-65-1		
23.121	23.121 (1.112)	91	16857510	200.000	232.30	50.00- 150.00	100.00(A)
23.121	23.121 (1.112)	120	3576443			0.00- 70.05	21.22
23.121	23.121 (1.112)	105	581784			0.00- 66.51	3.45
145 4-Ethyltoluene					CAS #: 622-96-8		
23.286	23.286 (1.120)	105	13933901	200.000	242.18	50.00- 150.00	100.00(A)
23.286	23.286 (1.120)	120	4070042			0.00- 80.34	29.21
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.397	23.397 (1.125)	105	11270202	200.000	227.11	50.00- 150.00	100.00(A)
23.397	23.397 (1.125)	120	5375778			0.00- 97.91	47.70
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.033	24.033 (1.156)	105	10284032	200.000	239.60	50.00- 150.00	100.00(A)
24.033	24.033 (1.156)	120	4720105			0.00- 92.97	45.90
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.586	24.586 (1.182)	146	7212464	200.000	231.45	50.00- 150.00	100.00(A)
24.586	24.586 (1.182)	148	4571429			13.45- 113.45	63.38
24.586	24.586 (1.182)	111	2999933			0.00- 93.47	41.59
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.752	24.752 (1.190)	146	7334004	200.000	231.29	50.00- 150.00	100.00(A)
24.752	24.752 (1.190)	148	4622274			13.03- 113.03	63.03
24.724	24.724 (1.189)	111	2917230			0.00- 89.21	39.78

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	10800524	200.000	251.67	50.00- 150.00	100.00(A)
24.945	24.945 (1.199)	126	2055175			0.00- 69.32	19.03
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.360	25.360 (1.219)	146	6573634	200.000	242.99	50.00- 150.00	100.00(A)
25.360	25.360 (1.219)	148	4129139			16.84- 116.84	62.81
25.360	25.360 (1.219)	111	2819449			0.00- 96.87	42.89
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.153	28.153 (1.354)	180	2990058	200.000	251.17	50.00- 150.00	100.00(A)
28.153	28.153 (1.354)	182	2822556			49.61- 149.61	94.40
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.319	28.319 (1.362)	225	3693647	200.000	212.03	50.00- 150.00	100.00(A)
28.319	28.319 (1.362)	223	2326478			12.39- 112.39	62.99
19 Butane					CAS #: 106-97-8		
6.835	6.835 (0.492)	58	731144	200.000	156.11	50.00- 150.00	100.00
6.835	6.835 (0.492)	43	6097297			840.77- 940.77	833.94
29 Isopentane					CAS #: 78-78-4		
8.273	8.273 (0.596)	43	9318550	200.000	187.03	50.00- 150.00	100.00
8.273	8.273 (0.596)	57	5991935			10.13- 110.13	64.30
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.374	16.374 (1.179)	83	5805124	200.000	231.99	50.00- 150.00	100.00(A)
16.374	16.374 (1.179)	98	2604873			0.00- 93.08	44.87
16.374	16.374 (1.179)	55	5725324			52.63- 152.63	98.63
167 Naphthalene					CAS #: 91-20-3		
28.678	28.678 (1.379)	128	6864724	200.000	250.23	50.00- 150.00	100.00(A)
28.678	28.678 (1.379)	127	832455			0.00- 62.34	12.13

QC Flag Legend

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

Report Date: 22-Aug-2007 14:09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082211.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/22Aug2007.b/t14q822a.m
Misc Info: 200ppbv

Calibration Date: 22-AUG-2007
Calibration Time: 12:29
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	210206	126124	294288	216168	2.84
97 1,4-Difluorobenze	855220	513132	1197308	900067	5.24
126 Chlorobenzene-d5	776619	465971	1087267	817455	5.26

		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

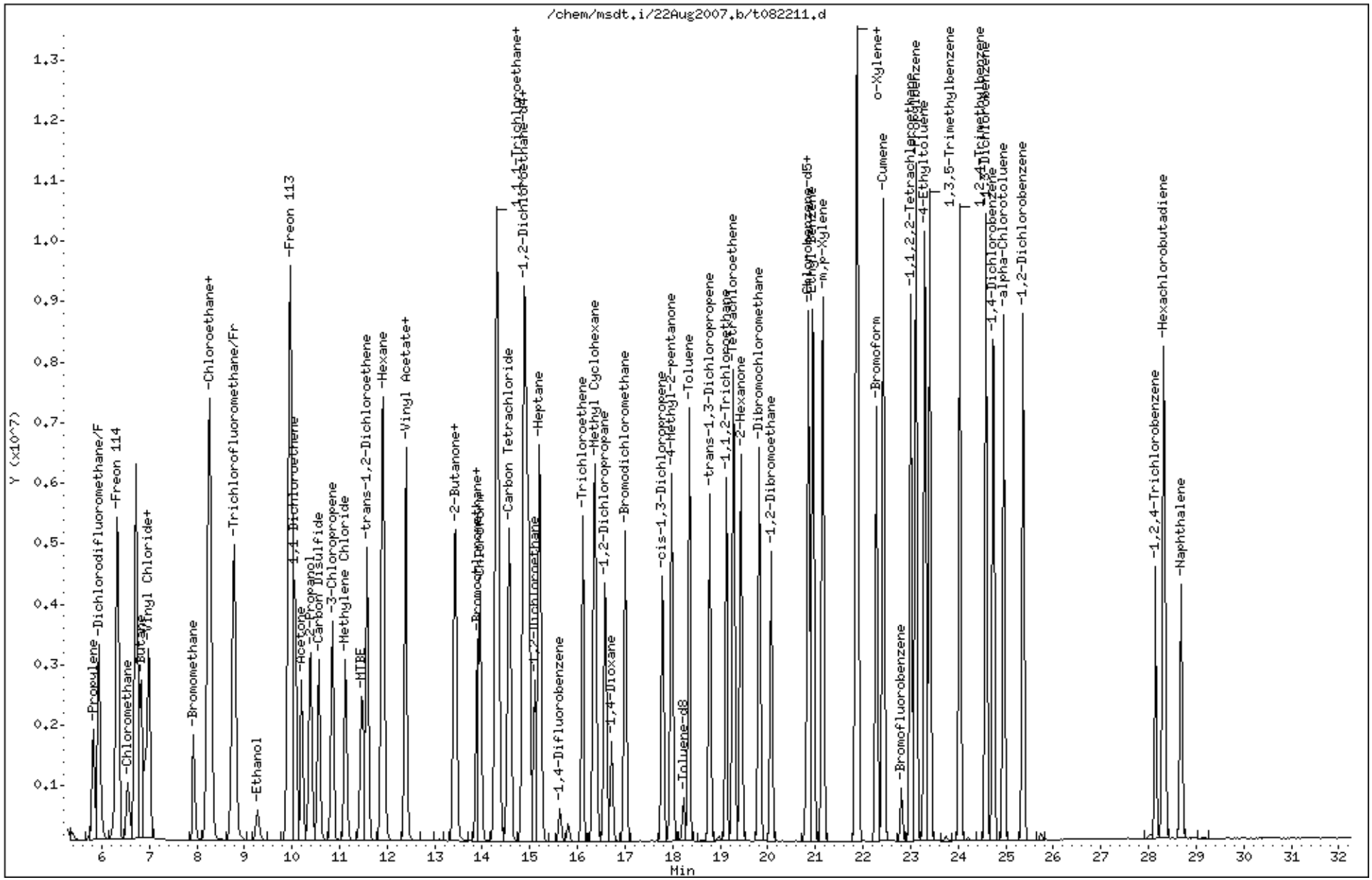
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/22Aug2007.b/t082211.d
Date : 22-AUG-2007 13:48
Client ID: Level 7
Sample Info: 200mL #1443-170

Instrument: msdt.i

Operator: cb
Column diameter: 0.53

Column phase: RTx-624



0164

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708468-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 08:34 AM**	

Compound	%Recovery
Freon 12	114
Freon 114	114
Vinyl Chloride	106
Bromomethane	104
Chloroethane	98
Freon 11	116
1,1-Dichloroethene	106
Freon 113	101
Methylene Chloride	103
1,1-Dichloroethane	104
cis-1,2-Dichloroethene	111
Chloroform	114
1,1,1-Trichloroethane	115
Carbon Tetrachloride	117
Benzene	101
1,2-Dichloroethane	115
Trichloroethene	110
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	113
Toluene	109
trans-1,3-Dichloropropene	112
1,1,2-Trichloroethane	107
Tetrachloroethene	108
1,2-Dibromoethane (EDB)	111
Chlorobenzene	106
Ethyl Benzene	108
m,p-Xylene	111
o-Xylene	112
Styrene	116
1,1,2,2-Tetrachloroethane	107
1,3,5-Trimethylbenzene	108
1,2,4-Trimethylbenzene	111
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	109
1,3-Butadiene	112
Hexane	103
Cyclohexane	110

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0708468-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082802**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 08:34 AM**	

Compound	**%Recovery**
Heptane	109
Bromodichloromethane	114
Dibromochloromethane	113
Cumene	112
Propylbenzene	113
Chloromethane	104
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	91
Acetone	92
Carbon Disulfide	103
2-Propanol	104
trans-1,2-Dichloroethene	99
2-Butanone (Methyl Ethyl Ketone)	103
Tetrahydrofuran	106
1,4-Dioxane	106
4-Methyl-2-pentanone	115
2-Hexanone	108
Bromoform	113
4-Ethyltoluene	117
Ethanol	102
Methyl tert-butyl ether	117
3-Chloropropene	98
2,2,4-Trimethylpentane	106
Naphthalene	85

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	106	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 28-AUG-2007 08:34
Lab File ID: t082802.d Init. Cal. Date(s): 22-AUG-2007 23-AUG-2007
Analysis Type: AIR Init. Cal. Times: 09:46 11:51
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/28Aug2007.b/t14q822b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 90 1,2-Dichloroethane-d4	1.90684	2.09260	0.010	-9.74188	30.00000	Averaged
$ 113 Toluene-d8	0.97365	1.00622	0.010	-3.34423	30.00000	Averaged
$ 137 Bromofluorobenzene	0.46349	0.49354	0.010	-6.48416	30.00000	Averaged
11 Propylene	1.36286	1.43680	0.010	-5.42548	30.00000	Averaged
12 Dichlorodifluoromethane/Fr1	4.59372	5.22128	0.010	-13.66130	30.00000	Averaged
16 Freon 114	3.91590	4.46550	0.010	-14.03514	30.00000	Averaged
18 Chloromethane	1.64905	1.71939	0.010	-4.26539	30.00000	Averaged
20 Vinyl Chloride	1.79907	1.90567	0.010	-5.92558	30.00000	Averaged
22 1,3-Butadiene	2.45464	2.73984	0.010	-11.61912	30.00000	Averaged
25 Bromomethane	1.46228	1.52174	0.010	-4.06617	30.00000	Averaged
27 Chloroethane	0.89689	0.87976	0.010	1.90973	30.00000	Averaged
31 Trichlorofluoromethane/Fr11	8.03811	9.32509	0.010	-16.01102	30.00000	Averaged
38 Ethanol	1.07659	1.10196	0.010	-2.35725	30.00000	Averaged
42 Freon 113	5.30267	5.36387	0.010	-1.15413	30.00000	Averaged
43 1,1-Dichloroethene	3.50863	3.73869	0.010	-6.55676	30.00000	Averaged
45 Acetone	1.21535	1.12013	0.010	7.83483	30.00000	Averaged
46 2-Propanol	5.47709	5.67804	0.010	-3.66884	30.00000	Averaged
47 Carbon Disulfide	4.61052	4.74089	0.010	-2.82769	30.00000	Averaged
51 3-Chloropropene	0.82694	0.81034	0.010	2.00766	30.00000	Averaged
54 Methylene Chloride	2.48799	2.56412	0.010	-3.05985	30.00000	Averaged
60 MTBE	3.95348	4.63999	0.010	-17.36454	30.00000	Averaged
61 trans-1,2-Dichloroethene	1.82437	1.80115	0.010	1.27263	30.00000	Averaged
65 Hexane	4.22254	4.33687	0.010	-2.70784	30.00000	Averaged
69 Vinyl Acetate	0.41516	0.40569	0.010	2.28239	30.00000	Averaged
70 1,1-Dichloroethane	3.93365	4.08271	0.010	-3.78941	30.00000	Averaged
75 2-Butanone	0.80790	0.83553	0.010	-3.42037	30.00000	Averaged
76 cis-1,2-Dichloroethene	2.47130	2.75150	0.010	-11.33795	30.00000	Averaged
80 Tetrahydrofuran	2.41250	2.55113	0.010	-5.74641	30.00000	Averaged
82 Chloroform	3.57189	4.08339	0.010	-14.32015	30.00000	Averaged
83 1,1,1-Trichloroethane	4.57476	5.27750	0.010	-15.36123	30.00000	Averaged
85 Cyclohexane	2.55475	2.81566	0.010	-10.21288	30.00000	Averaged
87 Carbon Tetrachloride	4.10417	4.81002	0.010	-17.19826	30.00000	Averaged
89 2,2,4-Trimethylpentane	12.00217	12.75942	0.010	-6.30927	30.00000	Averaged
91 Benzene	1.26484	1.27521	0.010	-0.82023	30.00000	Averaged
93 1,2-Dichloroethane	0.63683	0.73193	0.010	-14.93389	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i Injection Date: 28-AUG-2007 08:34
Lab File ID: t082802.d Init. Cal. Date(s): 22-AUG-2007 23-AUG-2007
Analysis Type: AIR Init. Cal. Times: 09:46 11:51
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msdt.i/28Aug2007.b/t14q822b.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
94 Heptane	0.40787	0.44309	0.010	-8.63684	30.00000	Averaged
101 Trichloroethene	0.48812	0.53543	0.010	-9.69196	30.00000	Averaged
104 1,2-Dichloropropane	0.47643	0.51211	0.010	-7.48972	30.00000	Averaged
106 1,4-Dioxane	0.28513	0.30099	0.010	-5.56124	30.00000	Averaged
107 Bromodichloromethane	0.91990	1.04510	0.010	-13.61034	30.00000	Averaged
110 cis-1,3-Dichloropropene	0.62685	0.71082	0.010	-13.39630	30.00000	Averaged
111 4-Methyl-2-pentanone	0.40704	0.46945	0.010	-15.33165	30.00000	Averaged
114 Toluene	1.28859	1.40445	0.010	-8.99166	30.00000	Averaged
116 trans-1,3-Dichloropropene	0.78509	0.88018	0.010	-12.11158	30.00000	Averaged
117 1,1,2-Trichloroethane	0.56968	0.60932	0.010	-6.95781	30.00000	Averaged
120 Tetrachloroethene	0.69403	0.75340	0.010	-8.55435	30.00000	Averaged
121 2-Hexanone	0.67779	0.73204	0.010	-8.00404	30.00000	Averaged
122 Dibromochloromethane	0.97680	1.10589	0.010	-13.21506	30.00000	Averaged
123 1,2-Dibromoethane	0.92226	1.02023	0.010	-10.62284	30.00000	Averaged
127 Chlorobenzene	1.28171	1.35917	0.010	-6.04299	30.00000	Averaged
128 Ethyl Benzene	0.64121	0.69076	0.010	-7.72858	30.00000	Averaged
129 m,p-Xylene	0.77042	0.85724	0.010	-11.27050	30.00000	Averaged
130 o-Xylene	0.70068	0.78755	0.010	-12.39841	30.00000	Averaged
131 Styrene	1.09073	1.26321	0.010	-15.81359	30.00000	Averaged
133 Bromoform	0.88213	1.00049	0.010	-13.41794	30.00000	Averaged
134 Cumene	1.80472	2.01576	0.010	-11.69336	30.00000	Averaged
140 1,1,2,2-Tetrachloroethane	1.22970	1.31269	0.010	-6.74930	30.00000	Averaged
142 Propylbenzene	2.21930	2.51521	0.010	-13.33336	30.00000	Averaged
145 4-Ethyltoluene	1.75957	2.06175	0.010	-17.17362	30.00000	Averaged
147 1,3,5-Trimethylbenzene	1.51763	1.64308	0.010	-8.26613	30.00000	Averaged
150 1,2,4-Trimethylbenzene	1.31268	1.46080	0.010	-11.28387	30.00000	Averaged
155 1,3-Dichlorobenzene	0.95302	1.03212	0.010	-8.30004	30.00000	Averaged
156 1,4-Dichlorobenzene	0.96974	1.02095	0.010	-5.28006	30.00000	Averaged
159 alpha-Chlorotoluene	1.31246	1.45369	0.010	-10.76071	30.00000	Averaged
161 1,2-Dichlorobenzene	0.82734	0.89973	0.010	-8.74875	30.00000	Averaged
165 1,2,4-Trichlorobenzene	0.36407	0.32761	0.010	10.01533	30.00000	Averaged
166 Hexachlorobutadiene	0.53276	0.48388	0.010	9.17576	30.00000	Averaged
29 Isopentane	5.76219	5.87573	0.010	-1.97029	30.00000	Averaged
19 Butane	0.54164	0.61077	0.010	-12.76415	30.00000	Averaged
102 Methyl Cyclohexane	2.89396	3.29923	0.010	-14.00378	30.00000	Averaged
167 Naphthalene	0.83899	0.71594	0.010	14.66589	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Aug2007.b/t082802.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 28-AUG-2007 08:34
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1443-270
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/28Aug2007.b/t14q822b.m
Meth Date : 28-Aug-2007 09:47 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.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		
13.893	13.893 (1.000)	130	170933	25.0000		80.00- 120.00	100.00
13.893	13.893 (1.000)	128	135258			29.13- 129.13	79.13
13.893	13.893 (1.000)	49	501970			243.66- 343.66	293.66
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	720430	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	117790			0.00- 66.35	16.35
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	649286	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	409496			12.59- 112.59	63.07
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.944	14.944 (1.076)	65	357695	25.0000	27.435	80.00- 120.00	100.00
14.944	14.944 (1.076)	67	197384			2.98- 102.98	55.18
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.206	18.206 (1.164)	98	724908	25.0000	25.836	80.00- 120.00	100.00
18.206	18.206 (1.164)	70	89368			0.00- 62.07	12.33

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.206	18.206 (1.164)	100	501137			18.35- 118.35	69.13
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	320448	25.0000	26.621	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	465953			95.41- 195.41	145.41
22.796	22.796 (1.096)	176	306036			45.50- 145.50	95.50
11 Propylene					CAS #: 115-07-1		
5.844	5.844 (0.421)	41	491192	50.0000	52.713	80.00- 120.00	100.00
5.844	5.844 (0.421)	42	337693			24.48- 124.48	68.75
5.844	5.844 (0.421)	39	395997			30.62- 130.62	80.62
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.957	5.957 (0.429)	85	1784977	50.0000	56.831	80.00- 120.00	100.00
5.957	5.957 (0.429)	87	568119			0.00- 82.77	31.83
16 Freon 114					CAS #: 76-14-2		
6.323	6.323 (0.455)	135	1526604	50.0000	57.018	80.00- 120.00	100.00
6.323	6.323 (0.455)	137	488051			0.00- 80.13	31.97
18 Chloromethane					CAS #: 74-87-3		
6.548	6.548 (0.471)	50	587800	50.0000	52.133	80.00- 120.00	100.00
6.548	6.548 (0.471)	52	192198			0.00- 82.25	32.70
20 Vinyl Chloride					CAS #: 75-01-4		
6.914	6.914 (0.498)	62	651484	50.0000	52.963	80.00- 120.00	100.00
6.914	6.914 (0.498)	64	244508			6.28- 106.28	37.53
22 1,3-Butadiene					CAS #: 106-99-0		
6.999	6.999 (0.504)	54	936659	50.0000	55.810	80.00- 120.00	100.00
6.999	6.999 (0.504)	39	1071494			68.34- 168.34	114.40
25 Bromomethane					CAS #: 74-83-9		
7.956	7.956 (0.573)	94	520232	50.0000	52.033	80.00- 120.00	100.00
7.956	7.956 (0.573)	96	478999			42.07- 142.07	92.07
27 Chloroethane					CAS #: 75-00-3		
8.210	8.210 (0.591)	64	300760	50.0000	49.045	80.00- 120.00	100.00
8.210	8.210 (0.591)	49	113030			0.00- 83.92	37.58
8.210	8.210 (0.591)	66	94293			0.00- 81.21	31.35
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.801	8.801 (0.634)	101	3187932	50.0000	58.006	80.00- 120.00	100.00
8.801	8.801 (0.634)	103	2030341			13.69- 113.69	63.69

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.248	9.248 (0.666)	45	376724	50.0000	51.179	80.00- 120.00	100.00
9.248	9.248 (0.666)	43	89168			0.00- 76.10	23.67
9.248	9.248 (0.666)	46	143830			0.00- 85.59	38.18
42 Freon 113					CAS #: 76-13-1		
9.967	9.967 (0.717)	151	1833725	50.0000	50.577	80.00- 120.00	100.00
9.967	9.967 (0.717)	153	1175004			14.08- 114.08	64.08
9.939	9.939 (0.715)	101	2574792			90.41- 190.41	140.41
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.050	10.050 (0.723)	61	1278130	50.0000	53.278	80.00- 120.00	100.00
10.050	10.050 (0.723)	96	589480			0.00- 96.12	46.12
10.050	10.050 (0.723)	98	377691			0.00- 79.55	29.55
45 Acetone					CAS #: 67-64-1		
10.215	10.215 (0.735)	58	382935	50.0000	46.082	80.00- 120.00	100.00
10.215	10.215 (0.735)	43	1557655			306.72- 406.72	406.77
46 2-Propanol					CAS #: 67-63-0		
10.381	10.381 (0.747)	45	1941128	50.0000	51.834	80.00- 120.00	100.00
10.381	10.381 (0.747)	43	473718			0.00- 76.17	24.40
10.381	10.381 (0.747)	59	63888			0.00- 53.25	3.29
47 Carbon Disulfide					CAS #: 75-15-0		
10.547	10.547 (0.759)	76	1620748	50.0000	51.414	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.851	10.851 (0.781)	76	277026	50.0000	48.996	80.00- 120.00	100.00
10.824	10.824 (0.779)	41	1098800			346.11- 446.11	396.64
54 Methylene Chloride					CAS #: 75-09-2		
11.128	11.128 (0.801)	49	876586	50.0000	51.530	80.00- 120.00	100.00
11.128	11.128 (0.801)	84	486465			5.50- 105.50	55.50
11.128	11.128 (0.801)	51	261839			0.00- 83.86	29.87
60 MTBE					CAS #: 1634-04-4		
11.460	11.460 (0.825)	73	1586254	50.0000	58.682	80.00- 120.00	100.00
11.460	11.460 (0.825)	57	401746			0.00- 75.33	25.33
11.460	11.460 (0.825)	41	508380			0.00- 84.65	32.05
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.570	11.570 (0.833)	96	615752	50.0000	49.364	80.00- 120.00	100.00
11.570	11.570 (0.833)	61	1111249			130.47- 230.47	180.47
11.570	11.570 (0.833)	98	390737			11.14- 111.14	63.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.902	11.902 (0.857)	57	1482630	50.0000	51.354	80.00- 120.00	100.00
11.902	11.902 (0.857)	43	1090002			25.69- 125.69	73.52
11.902	11.902 (0.857)	86	180583			0.00- 61.56	12.18
69 Vinyl Acetate					CAS #: 108-05-4		
12.372	12.372 (0.891)	86	138690	50.0000	48.859	80.00- 120.00	100.00
12.372	12.372 (0.891)	43	2351812			1612.40-1712.40	1695.73
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.400	12.400 (0.893)	63	1395739	50.0000	51.895	80.00- 120.00	100.00
12.400	12.400 (0.893)	65	439158			0.00- 81.46	31.46
75 2-Butanone					CAS #: 78-93-3		
13.423	13.423 (0.966)	72	285641	50.0000	51.710	80.00- 120.00	100.00
13.423	13.423 (0.966)	43	1658989			530.80- 630.80	580.80
13.423	13.423 (0.966)	57	115871			0.00- 87.31	40.57
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.450	13.450 (0.968)	61	940644	50.0000	55.669	80.00- 120.00	100.00
13.450	13.450 (0.968)	96	564461			10.01- 110.01	60.01
13.450	13.450 (0.968)	98	355253			0.00- 87.77	37.77
80 Tetrahydrofuran					CAS #: 109-99-9		
13.865	13.865 (0.998)	42	872146	50.0000	52.873	80.00- 120.00	100.00
13.893	13.893 (1.000)	71	259754			0.00- 79.78	29.78
13.893	13.893 (1.000)	72	280581			0.00- 80.46	32.17
82 Chloroform					CAS #: 67-66-3		
13.948	13.948 (1.004)	83	1395973	50.0000	57.160	80.00- 120.00	100.00
13.948	13.948 (1.004)	85	877207			12.84- 112.84	62.84
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.308	14.308 (1.030)	97	1804197	50.0000	57.681	80.00- 120.00	100.00
14.308	14.308 (1.030)	99	1151153			13.80- 113.80	63.80
85 Cyclohexane					CAS #: 110-82-7		
14.308	14.308 (1.030)	84	962580	50.0000	55.106	80.00- 120.00	100.00
14.308	14.308 (1.030)	56	1371435			92.47- 192.47	142.47
14.308	14.308 (1.030)	41	858126			39.15- 139.15	89.15
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.556	14.556 (1.048)	119	1644381	50.0000	58.599	80.00- 120.00	100.00
14.556	14.556 (1.048)	117	1715928			54.35- 154.35	104.35
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.888	14.888 (1.072)	57	4362012	50.0000	53.155	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)							
14.888	14.888 (1.072)	56	1488998			0.00- 85.64	34.14
14.888	14.888 (1.072)	41	1339698			0.00- 83.48	30.71
91 Benzene					CAS #: 71-43-2		
14.971	14.971 (0.958)	78	1837403	50.0000	50.410	80.00- 120.00	100.00
14.971	14.971 (0.958)	77	407335			0.00- 71.98	22.17
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.082	15.082 (0.965)	62	1054608	50.0000	57.467	80.00- 120.00	100.00
15.082	15.082 (0.965)	64	337163			0.00- 82.98	31.97
94 Heptane					CAS #: 142-82-5		
15.192	15.192 (0.972)	71	638434	50.0000	54.318	80.00- 120.00	100.00
15.192	15.192 (0.972)	43	1466986			176.84- 276.84	229.78
15.192	15.192 (0.972)	57	712411			64.59- 164.59	111.59
101 Trichloroethene					CAS #: 79-01-6		
16.105	16.105 (1.030)	95	771481	50.0000	54.846	80.00- 120.00	100.00
16.105	16.105 (1.030)	130	700152			40.75- 140.75	90.75
16.105	16.105 (1.030)	97	497199			14.45- 114.45	64.45
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.575	16.575 (1.060)	63	737880	50.0000	53.745	80.00- 120.00	100.00
16.575	16.575 (1.060)	62	550039			24.54- 124.54	74.54
16.575	16.575 (1.060)	41	549260			24.44- 124.44	74.44
106 1,4-Dioxane					CAS #: 123-91-1		
16.713	16.713 (1.069)	88	433682	50.0000	52.781	80.00- 120.00	100.00
16.713	16.713 (1.069)	58	357655			32.47- 132.47	82.47
16.713	16.713 (1.069)	57	123769			0.00- 79.47	28.54
107 Bromodichloromethane					CAS #: 75-27-4		
17.017	17.017 (1.088)	83	1505845	50.0000	56.805	80.00- 120.00	100.00
17.017	17.017 (1.088)	85	917293			10.92- 110.92	60.92
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.791	17.791 (1.138)	75	1024199	50.0000	56.698	80.00- 120.00	100.00
17.791	17.791 (1.138)	77	324275			0.00- 81.66	31.66
17.791	17.791 (1.138)	39	708199			19.15- 119.15	69.15
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.985	17.985 (1.150)	58	676407	50.0000	57.666	80.00- 120.00	100.00
17.985	17.985 (1.150)	43	1932635			230.40- 330.40	285.72
17.985	17.985 (1.150)	85	227218			0.00- 84.16	33.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.344	18.344 (1.173)	91	2023621	50.0000	54.496	80.00- 120.00	100.00
18.344	18.344 (1.173)	92	1263733			12.45- 112.45	62.45
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.787	18.787 (0.903)	75	1142971	50.0000	56.056	80.00- 120.00	100.00
18.787	18.787 (0.903)	77	369039			0.00- 82.29	32.29
18.759	18.759 (0.902)	39	741146			14.84- 114.84	64.84
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.119	19.119 (0.919)	97	791248	50.0000	53.479	80.00- 120.00	100.00
19.119	19.119 (0.919)	99	494483			12.49- 112.49	62.49
19.119	19.119 (0.919)	83	704179			39.00- 139.00	89.00
120 Tetrachloroethene					CAS #: 127-18-4		
19.285	19.285 (0.927)	166	978348	50.0000	54.277	80.00- 120.00	100.00
19.285	19.285 (0.927)	129	753197			26.99- 126.99	76.99
19.285	19.285 (0.927)	131	714551			23.04- 123.04	73.04
121 2-Hexanone					CAS #: 591-78-6		
19.423	19.423 (0.934)	58	950613	50.0000	54.002	80.00- 120.00	100.00
19.423	19.423 (0.934)	43	1938104			153.88- 253.88	203.88
19.450	19.450 (0.935)	100	136993			0.00- 64.15	14.41
122 Dibromochloromethane					CAS #: 124-48-1		
19.810	19.810 (0.952)	129	1436073	50.0000	56.608	80.00- 120.00	100.00
19.810	19.810 (0.952)	127	1119691			28.89- 128.89	77.97
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.086	20.086 (0.965)	107	1324837	50.0000	55.311	80.00- 120.00	100.00
20.086	20.086 (0.965)	109	1254336			44.68- 144.68	94.68
127 Chlorobenzene					CAS #: 108-90-7		
20.861	20.861 (1.003)	112	1764975	50.0000	53.021	80.00- 120.00	100.00
20.861	20.861 (1.003)	114	556443			0.00- 81.53	31.53
20.861	20.861 (1.003)	77	1127967			13.91- 113.91	63.91
128 Ethyl Benzene					CAS #: 100-41-4		
20.943	20.943 (1.007)	106	897006	50.0000	53.864	80.00- 120.00	100.00
20.943	20.943 (1.007)	91	2876385			265.67- 365.67	320.67
129 m,p-Xylene					CAS #: 108-38-3		
21.137	21.137 (1.016)	106	1113194	50.0000	55.635	80.00- 120.00	100.00
21.137	21.137 (1.016)	91	2297819			151.06- 251.06	206.42
130 o-Xylene					CAS #: 95-47-6		
21.856	21.856 (1.050)	106	1022690	50.0000	56.199	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)							
21.856	21.856 (1.050)	91	2182178			163.38- 263.38	213.38
131 Styrene					CAS #: 100-42-5		
21.884	21.884 (1.052)	104	1640368	50.0000	57.907	80.00- 120.00	100.00
21.884	21.884 (1.052)	78	934147			6.95- 106.95	56.95
133 Bromoform					CAS #: 75-25-2		
22.298	22.298 (1.072)	173	1299211	50.0000	56.709	80.00- 120.00	100.00
22.298	22.298 (1.072)	171	669059			1.50- 101.50	51.50
134 Cumene					CAS #: 98-82-8		
22.437	22.437 (1.078)	105	2617606	50.0000	55.847	80.00- 120.00	100.00
22.437	22.437 (1.078)	120	670874			0.00- 75.19	25.63
22.437	22.437 (1.078)	51	343484			0.00- 64.41	13.12
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.017	23.017 (1.106)	83	1704625	50.0000	53.375	80.00- 120.00	100.00
23.017	23.017 (1.106)	85	1057089			12.01- 112.01	62.01
142 Propylbenzene					CAS #: 103-65-1		
23.128	23.128 (1.112)	91	3266176	50.0000	56.667	80.00- 120.00	100.00
23.128	23.128 (1.112)	120	683979			0.00- 70.05	20.94
23.128	23.128 (1.112)	105	112238			0.00- 66.51	3.44
145 4-Ethyltoluene					CAS #: 622-96-8		
23.294	23.294 (1.120)	105	2677337	50.0000	58.587	80.00- 120.00	100.00
23.294	23.294 (1.120)	120	780705			0.00- 79.16	29.16
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.404	23.404 (1.125)	105	2133656	50.0000	54.133	80.00- 120.00	100.00
23.404	23.404 (1.125)	120	1000297			0.00- 97.91	46.88
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.040	24.040 (1.155)	105	1896958	50.0000	55.642	80.00- 120.00	100.00
24.040	24.040 (1.155)	120	866764			0.00- 92.97	45.69
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.593	24.593 (1.182)	146	1340282	50.0000	54.150	80.00- 120.00	100.00
24.593	24.593 (1.182)	148	851733			13.45- 113.45	63.55
24.593	24.593 (1.182)	111	580002			0.00- 93.47	43.27
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.731	24.731 (1.189)	146	1325771	50.0000	52.640	80.00- 120.00	100.00
24.731	24.731 (1.189)	148	854856			13.03- 113.03	64.48
24.731	24.731 (1.189)	111	545850			0.00- 89.21	41.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.953	24.953 (1.199)	91	1887726	50.0000	55.380	80.00- 120.00	100.00
24.953	24.953 (1.199)	126	348363			0.00- 69.32	18.45
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.367	25.367 (1.219)	146	1168359	50.0000	54.374	80.00- 120.00	100.00
25.367	25.367 (1.219)	148	743439			13.63- 113.63	63.63
25.367	25.367 (1.219)	111	516046			0.00- 94.17	44.17
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.132	28.132 (1.352)	180	425424	50.0000	44.992	80.00- 120.00	100.00
28.132	28.132 (1.352)	182	400585			44.16- 144.16	94.16
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.326	28.326 (1.361)	225	628349	50.0000	45.412	80.00- 120.00	100.00
28.326	28.326 (1.361)	223	396242			12.39- 112.39	63.06
29 Isopentane					CAS #: 78-78-4		
8.266	8.266 (0.595)	43	2008711	50.0000	50.985	80.00- 120.00	100.00
8.266	8.266 (0.595)	57	1197323			10.13- 110.13	59.61
19 Butane					CAS #: 106-97-8		
6.830	6.830 (0.492)	58	208802	50.0000	56.382	80.00- 120.00	100.00
6.830	6.830 (0.492)	43	1848171			840.77- 940.77	885.13
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.354	16.354 (1.177)	83	1127894	50.0000	57.002	80.00- 120.00	100.00
16.354	16.354 (1.177)	98	500621			0.00- 93.08	44.39
16.354	16.354 (1.177)	55	1143059			52.63- 152.63	101.34
167 Naphthalene					CAS #: 91-20-3		
28.685	28.685 (1.379)	128	929705	50.0000	42.667	80.00- 120.00	100.00
28.685	28.685 (1.379)	127	116317			0.00- 62.34	12.51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082802.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 28-AUG-2007
Calibration Time: 09:27
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	179018	107411	250625	170933	-4.52
97 1,4-Difluorobenze	773251	463951	1082551	720430	-6.83
126 Chlorobenzene-d5	646990	388194	905786	649286	0.35

		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	20.81	20.48	21.14	20.81	0.00

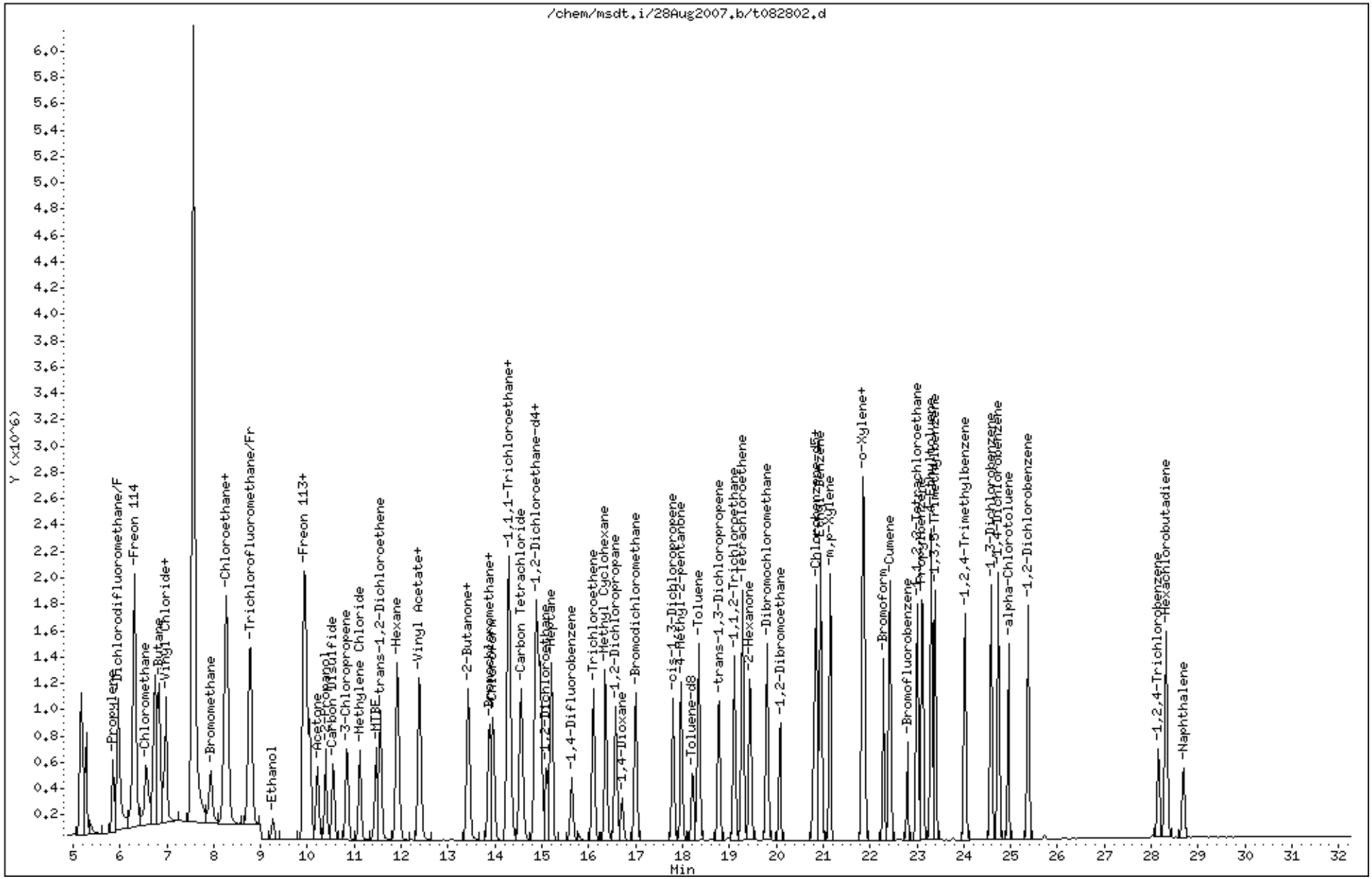
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt.i/28Aug2007.b/t082802.d
Date : 28-AUG-2007 08:34
Client ID: CCV-1
Sample Info: 50mL #1443-270

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

Column phase: RTx-624

0178



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708468-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 10:08 AM**	

Compound	%Recovery
Freon 12	103
Freon 114	93
Vinyl Chloride	100
Bromomethane	101
Chloroethane	96
Freon 11	93
1,1-Dichloroethene	91
Freon 113	91
Methylene Chloride	92
1,1-Dichloroethane	93
cis-1,2-Dichloroethene	102
Chloroform	104
1,1,1-Trichloroethane	98
Carbon Tetrachloride	101
Benzene	97
1,2-Dichloroethane	108
Trichloroethene	106
1,2-Dichloropropane	104
cis-1,3-Dichloropropene	110
Toluene	107
trans-1,3-Dichloropropene	107
1,1,2-Trichloroethane	103
Tetrachloroethene	103
1,2-Dibromoethane (EDB)	108
Chlorobenzene	102
Ethyl Benzene	106
m,p-Xylene	109
o-Xylene	110
Styrene	110
1,1,2,2-Tetrachloroethane	104
1,3,5-Trimethylbenzene	105
1,2,4-Trimethylbenzene	109
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	107
1,2-Dichlorobenzene	105
1,3-Butadiene	89
Hexane	92
Cyclohexane	97

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0708468-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**t082804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 8/28/07 10:08 AM**	

Compound	%Recovery
Heptane	103
Bromodichloromethane	107
Dibromochloromethane	108
Cumene	110
Propylbenzene	109
Chloromethane	96
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	94
Acetone	80
Carbon Disulfide	96
2-Propanol	83
trans-1,2-Dichloroethene	90
2-Butanone (Methyl Ethyl Ketone)	97
Tetrahydrofuran	97
1,4-Dioxane	103
4-Methyl-2-pentanone	110
2-Hexanone	102
Bromoform	109
4-Ethyltoluene	112
Ethanol	78
Methyl tert-butyl ether	84
3-Chloropropene	87
2,2,4-Trimethylpentane	91
Naphthalene	76

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	104	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	105	70-130

Report Date: 28-Aug-2007 10:37

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 28Aug2007
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/28Aug2007.b/t14q822b.m
Misc Info: 200ppbv --> 50ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
12 Dichlorodifluorome	50.000	51.454	102.91	70-130
16 Freon 114	50.000	46.460	92.92	70-130
18 Chloromethane	50.000	48.140	96.28	70-130
20 Vinyl Chloride	50.000	49.924	99.85	70-130
22 1,3-Butadiene	50.000	44.547	89.09	60-140
25 Bromomethane	50.000	50.354	100.71	70-130
27 Chloroethane	50.000	47.797	95.59	70-130
31 Trichlorofluoromet	50.000	46.533	93.07	70-130
38 Ethanol	50.000	38.758	77.52	60-140
42 Freon 113	50.000	45.349	90.70	70-130
43 1,1-Dichloroethene	50.000	45.532	91.06	70-130
45 Acetone	50.000	39.948	79.90	60-140
47 Carbon Disulfide	50.000	48.061	96.12	60-140
46 2-Propanol	50.000	41.644	83.29	60-140
54 Methylene Chloride	50.000	45.861	91.72	70-130
60 MTBE	50.000	42.149	84.30	60-140
61 trans-1,2-Dichloro	50.000	45.085	90.17	60-140
65 Hexane	50.000	46.021	92.04	60-140
70 1,1-Dichloroethane	50.000	46.595	93.19	70-130
76 cis-1,2-Dichloroet	50.000	51.223	102.45	70-130
75 2-Butanone	50.000	48.339	96.68	60-140
80 Tetrahydrofuran	50.000	48.309	96.62	60-140
82 Chloroform	50.000	52.155	104.31	70-130
85 Cyclohexane	50.000	48.325	96.65	60-140
83 1,1,1-Trichloroeth	50.000	49.167	98.33	70-130
87 Carbon Tetrachlori	50.000	50.370	100.74	70-130
91 Benzene	50.000	48.369	96.74	70-130
93 1,2-Dichloroethane	50.000	54.030	108.06	70-130
94 Heptane	50.000	51.591	103.18	60-140
101 Trichloroethene	50.000	52.771	105.54	70-130
104 1,2-Dichloropropan	50.000	52.014	104.03	70-130
106 1,4-Dioxane	50.000	51.568	103.14	60-140
107 Bromodichlorometha	50.000	53.732	107.46	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
110 cis-1,3-Dichloropr	50.000	55.042	110.08	70-130
111 4-Methyl-2-pentano	50.000	55.083	110.17	60-140
114 Toluene	50.000	53.400	106.80	70-130
116 trans-1,3-Dichloro	50.000	53.664	107.33	70-130
117 1,1,2-Trichloroeth	50.000	51.305	102.61	70-130
120 Tetrachloroethene	50.000	51.452	102.90	70-130
121 2-Hexanone	50.000	51.294	102.59	60-140
122 Dibromochlorometha	50.000	54.288	108.58	60-140
123 1,2-Dibromoethane	50.000	54.037	108.07	70-130
127 Chlorobenzene	50.000	51.190	102.38	70-130
128 Ethyl Benzene	50.000	53.161	106.32	70-130
129 m,p-Xylene	50.000	54.597	109.19	70-130
130 o-Xylene	50.000	54.836	109.67	70-130
131 Styrene	50.000	55.240	110.48	70-130
133 Bromoform	50.000	54.623	109.25	60-140
140 1,1,2,2-Tetrachlor	50.000	51.888	103.78	70-130
145 4-Ethyltoluene	50.000	56.274	112.55	60-140
147 1,3,5-Trimethylben	50.000	52.386	104.77	70-130
150 1,2,4-Trimethylben	50.000	54.494	108.99	70-130
155 1,3-Dichlorobenzen	50.000	53.082	106.17	70-130
156 1,4-Dichlorobenzen	50.000	52.183	104.37	70-130
159 alpha-Chlorotoluen	50.000	53.422	106.84	70-130
161 1,2-Dichlorobenzen	50.000	52.724	105.45	70-130
165 1,2,4-Trichloroben	50.000	43.570	87.14	70-130
166 Hexachlorobutadien	50.000	46.836	93.67	70-130
142 Propylbenzene	50.000	54.744	109.49	60-140
134 Cumene	50.000	55.014	110.03	60-140
51 3-Chloropropene	50.000	43.482	86.96	60-140
89 2,2,4-Trimethylpen	50.000	45.528	91.06	60-140
19 Butane	50.000	44.936	89.87	70-130
29 Isopentane	50.000	43.366	86.73	70-130
102 Methyl Cyclohexane	50.000	50.813	101.63	70-130
11 Propylene	50.000	47.553	95.11	60-140
167 Naphthalene	50.000	37.818	75.64	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 90 1,2-Dichloroethane	25.000	25.561	102.24	70-130
$ 113 Toluene-d8	25.000	25.960	103.84	70-130
$ 137 Bromofluorobenzene	25.000	26.363	105.45	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/28Aug2007.b/t082804.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 28-AUG-2007 10:08
Operator : cb Inst ID: msdt.i
Smp Info : 50mL #1443-164
Misc Info : 200ppbv --> 50ppbv
Comment :
Method : /chem/msdt.i/28Aug2007.b/t14q822b.m
Meth Date : 28-Aug-2007 10:11 cbond Quant Type: ISTD
Cal Date : 23-AUG-2007 11:51 Cal File: t082306.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		
13.893	13.893 (1.000)	130	181692	25.0000		80.00- 120.00	100.00
13.893	13.893 (1.000)	128	139050			29.13- 129.13	76.53
13.893	13.893 (1.000)	49	499846			243.66- 343.66	275.11
* 97 1,4-Difluorobenzene					CAS #: 540-36-3		
15.635	15.635 (1.000)	114	738259	25.0000		80.00- 120.00	100.00
15.635	15.635 (1.000)	88	116330			0.00- 66.35	15.76
* 126 Chlorobenzene-d5					CAS #: 3114-55-4		
20.805	20.805 (1.000)	117	673345	25.0000		80.00- 120.00	100.00
20.805	20.805 (1.000)	82	409304			12.59- 112.59	60.79
$ 90 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
14.943	14.944 (1.076)	65	354228	25.5607	25.561	80.00- 120.00	100.00
14.943	14.944 (1.076)	67	193746			2.98- 102.98	54.70
$ 113 Toluene-d8					CAS #: 2037-26-5		
18.234	18.206 (1.166)	98	746410	25.9599	25.960	80.00- 120.00	100.00
18.206	18.206 (1.164)	70	88442			0.00- 62.07	11.85

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 113 Toluene-d8 (continued)							
18.234	18.206 (1.166)	100	511006			18.35- 118.35	68.46
$ 137 Bromofluorobenzene					CAS #: 460-00-4		
22.796	22.796 (1.096)	174	329097	26.3627	26.363	80.00- 120.00	100.00
22.796	22.796 (1.096)	95	460981			95.41- 195.41	140.07
22.796	22.796 (1.096)	176	311571			45.50- 145.50	94.67
11 Propylene					CAS #: 115-07-1		
5.844	5.844 (0.421)	41	471005	47.5532	47.553	80.00- 120.00	100.00
5.844	5.844 (0.421)	42	329950			24.48- 124.48	70.05
5.844	5.844 (0.421)	39	380432			30.62- 130.62	80.77
12 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
5.957	5.957 (0.429)	85	1717819	51.4538	51.454	80.00- 120.00	100.00
5.957	5.957 (0.429)	87	545942			0.00- 82.77	31.78
16 Freon 114					CAS #: 76-14-2		
6.323	6.323 (0.455)	135	1322240	46.4604	46.460	80.00- 120.00	100.00
6.323	6.323 (0.455)	137	420806			0.00- 80.13	31.83
18 Chloromethane					CAS #: 74-87-3		
6.548	6.548 (0.471)	50	576944	48.1398	48.140	80.00- 120.00	100.00
6.548	6.548 (0.471)	52	189128			0.00- 82.25	32.78
20 Vinyl Chloride					CAS #: 75-01-4		
6.914	6.914 (0.498)	62	652762	49.9243	49.924	80.00- 120.00	100.00
6.914	6.914 (0.498)	64	222770			6.28- 106.28	34.13
22 1,3-Butadiene					CAS #: 106-99-0		
6.999	6.999 (0.504)	54	794692	44.5468	44.547	80.00- 120.00	100.00
6.971	6.999 (0.502)	39	865954			68.34- 168.34	108.97
25 Bromomethane					CAS #: 74-83-9		
7.928	7.956 (0.571)	94	535135	50.3542	50.354	80.00- 120.00	100.00
7.928	7.956 (0.571)	96	492918			42.07- 142.07	92.11
27 Chloroethane					CAS #: 75-00-3		
8.210	8.210 (0.591)	64	311558	47.7975	47.797	80.00- 120.00	100.00
8.210	8.210 (0.591)	49	110443			0.00- 83.92	35.45
8.210	8.210 (0.591)	66	96302			0.00- 81.21	30.91
31 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
8.801	8.801 (0.634)	101	2718368	46.5327	46.533	80.00- 120.00	100.00
8.801	8.801 (0.634)	103	1724888			13.69- 113.69	63.45

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 Ethanol					CAS #: 64-17-5		
9.248	9.248 (0.666)	45	303250	38.7575	38.758	80.00- 120.00	100.00
9.248	9.248 (0.666)	43	76759			0.00- 76.10	25.31
9.248	9.248 (0.666)	46	113537			0.00- 85.59	37.44
42 Freon 113					CAS #: 76-13-1		
9.967	9.967 (0.717)	151	1747667	45.3491	45.349	80.00- 120.00	100.00
9.967	9.967 (0.717)	153	1120621			14.08- 114.08	64.12
9.939	9.967 (0.715)	101	2432025			90.41- 190.41	139.16
43 1,1-Dichloroethene					CAS #: 75-35-4		
10.050	10.050 (0.723)	61	1161055	45.5322	45.532	80.00- 120.00	100.00
10.050	10.050 (0.723)	96	550646			0.00- 96.12	47.43
10.050	10.050 (0.723)	98	346632			0.00- 79.55	29.85
45 Acetone					CAS #: 67-64-1		
10.215	10.215 (0.735)	58	352855	39.9483	39.948	80.00- 120.00	100.00
10.215	10.215 (0.735)	43	1399979			306.72- 406.72	396.76
46 2-Propanol					CAS #: 67-63-0		
10.381	10.381 (0.747)	45	1657657	41.6437	41.644	80.00- 120.00	100.00
10.381	10.381 (0.747)	43	378227			0.00- 76.17	22.82
10.381	10.381 (0.747)	59	52462			0.00- 53.25	3.16
47 Carbon Disulfide					CAS #: 75-15-0		
10.547	10.547 (0.759)	76	1610427	48.0613	48.061	80.00- 120.00	100.00
51 3-Chloropropene					CAS #: 107-05-1		
10.851	10.851 (0.781)	76	261321	43.4817	43.482	80.00- 120.00	100.00
10.824	10.851 (0.779)	41	1013988			346.11- 446.11	388.02
54 Methylene Chloride					CAS #: 75-09-2		
11.128	11.128 (0.801)	49	829264	45.8615	45.861	80.00- 120.00	100.00
11.128	11.128 (0.801)	84	468430			5.50- 105.50	56.49
11.128	11.128 (0.801)	51	248695			0.00- 83.86	29.99
60 MTBE					CAS #: 1634-04-4		
11.460	11.460 (0.825)	73	1211044	42.1487	42.149	80.00- 120.00	100.00
11.460	11.460 (0.825)	57	311286			0.00- 75.33	25.70
11.460	11.460 (0.825)	41	369004			0.00- 84.65	30.47
61 trans-1,2-Dichloroethene					CAS #: 156-60-5		
11.570	11.570 (0.833)	96	597775	45.0847	45.085	80.00- 120.00	100.00
11.570	11.570 (0.833)	61	1045627			130.47- 230.47	174.92
11.570	11.570 (0.833)	98	377526			11.14- 111.14	63.16

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
65 Hexane					CAS #: 110-54-3		
11.902	11.902 (0.857)	57	1412303	46.0213	46.021	80.00- 120.00	100.00
11.902	11.902 (0.857)	43	993893			25.69- 125.69	70.37
11.902	11.902 (0.857)	86	175724			0.00- 61.56	12.44
69 Vinyl Acetate					CAS #: 108-05-4		
12.372	12.372 (0.891)	86	139523	46.2417	46.242	80.00- 120.00	100.00
12.372	12.372 (0.891)	43	2220003			1612.40-1712.40	1591.14
70 1,1-Dichloroethane					CAS #: 75-34-3		
12.400	12.400 (0.893)	63	1332084	46.5951	46.595	80.00- 120.00	100.00
12.400	12.400 (0.893)	65	422882			0.00- 81.46	31.75
75 2-Butanone					CAS #: 78-93-3		
13.423	13.423 (0.966)	72	283826	48.3390	48.339	80.00- 120.00	100.00
13.423	13.423 (0.966)	43	1582709			530.80- 630.80	557.63
13.423	13.423 (0.966)	57	112289			0.00- 87.31	39.56
76 cis-1,2-Dichloroethene					CAS #: 156-59-2		
13.450	13.450 (0.968)	61	920002	51.2232	51.223	80.00- 120.00	100.00
13.450	13.450 (0.968)	96	564543			10.01- 110.01	61.36
13.450	13.450 (0.968)	98	365216			0.00- 87.77	39.70
80 Tetrahydrofuran					CAS #: 109-99-9		
13.893	13.865 (1.000)	42	847019	48.3092	48.309	80.00- 120.00	100.00
13.893	13.865 (1.000)	71	256904			0.00- 79.78	30.33
13.893	13.865 (1.000)	72	281097			0.00- 80.46	33.19
82 Chloroform					CAS #: 67-66-3		
13.948	13.948 (1.004)	83	1353908	52.1549	52.155	80.00- 120.00	100.00
13.948	13.948 (1.004)	85	844358			12.84- 112.84	62.36
83 1,1,1-Trichloroethane					CAS #: 71-55-6		
14.307	14.308 (1.030)	97	1634693	49.1668	49.167	80.00- 120.00	100.00
14.307	14.308 (1.030)	99	1054145			13.80- 113.80	64.49
85 Cyclohexane					CAS #: 110-82-7		
14.307	14.308 (1.030)	84	897257	48.3251	48.325	80.00- 120.00	100.00
14.307	14.308 (1.030)	56	1280073			92.47- 192.47	142.67
14.307	14.308 (1.030)	41	778054			39.15- 139.15	86.71
87 Carbon Tetrachloride					CAS #: 56-23-5		
14.556	14.556 (1.048)	119	1502438	50.3704	50.370	80.00- 120.00	100.00
14.556	14.556 (1.048)	117	1563731			54.35- 154.35	104.08
89 2,2,4-Trimethylpentane					CAS #: 540-84-1		
14.888	14.888 (1.072)	57	3971295	45.5278	45.528	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)							
14.888	14.888 (1.072)	56	1344996			0.00- 85.64	33.87
14.888	14.888 (1.072)	41	1190499			0.00- 83.48	29.98
91 Benzene					CAS #: 71-43-2		
14.971	14.971 (0.958)	78	1806646	48.3692	48.369	80.00- 120.00	100.00
14.971	14.971 (0.958)	77	401416			0.00- 71.98	22.22
93 1,2-Dichloroethane					CAS #: 107-06-2		
15.109	15.082 (0.966)	62	1016084	54.0306	54.030	80.00- 120.00	100.00
15.109	15.082 (0.966)	64	318659			0.00- 82.98	31.36
94 Heptane					CAS #: 142-82-5		
15.192	15.192 (0.972)	71	621384	51.5910	51.591	80.00- 120.00	100.00
15.192	15.192 (0.972)	43	1411590			176.84- 276.84	227.17
15.192	15.192 (0.972)	57	694292			64.59- 164.59	111.73
101 Trichloroethene					CAS #: 79-01-6		
16.105	16.105 (1.030)	95	760666	52.7712	52.771	80.00- 120.00	100.00
16.105	16.105 (1.030)	130	694979			40.75- 140.75	91.36
16.105	16.105 (1.030)	97	492917			14.45- 114.45	64.80
104 1,2-Dichloropropane					CAS #: 78-87-5		
16.575	16.575 (1.060)	63	731786	52.0138	52.014	80.00- 120.00	100.00
16.575	16.575 (1.060)	62	542604			24.54- 124.54	74.15
16.575	16.575 (1.060)	41	529801			24.44- 124.44	72.40
106 1,4-Dioxane					CAS #: 123-91-1		
16.713	16.713 (1.069)	88	434204	51.5680	51.568	80.00- 120.00	100.00
16.713	16.713 (1.069)	58	347630			32.47- 132.47	80.06
16.713	16.713 (1.069)	57	119790			0.00- 79.47	27.59
107 Bromodichloromethane					CAS #: 75-27-4		
17.017	17.017 (1.088)	83	1459632	53.7321	53.732	80.00- 120.00	100.00
17.017	17.017 (1.088)	85	898210			10.92- 110.92	61.54
110 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
17.791	17.791 (1.138)	75	1018889	55.0420	55.042	80.00- 120.00	100.00
17.791	17.791 (1.138)	77	326025			0.00- 81.66	32.00
17.791	17.791 (1.138)	39	710389			19.15- 119.15	69.72
111 4-Methyl-2-pentanone					CAS #: 108-10-1		
17.985	17.985 (1.150)	58	662101	55.0830	55.083	80.00- 120.00	100.00
17.985	17.985 (1.150)	43	1834783			230.40- 330.40	277.12
17.985	17.985 (1.150)	85	235201			0.00- 84.16	35.52

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
114 Toluene					CAS #: 108-88-3		
18.344	18.344 (1.173)	91	2032003	53.4000	53.400	80.00- 120.00	100.00
18.344	18.344 (1.173)	92	1269991			12.45- 112.45	62.50
116 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
18.787	18.787 (0.903)	75	1134757	53.6644	53.664	80.00- 120.00	100.00
18.787	18.787 (0.903)	77	365090			0.00- 82.29	32.17
18.787	18.787 (0.903)	39	715644			14.84- 114.84	63.07
117 1,1,2-Trichloroethane					CAS #: 79-00-5		
19.119	19.119 (0.919)	97	787210	51.3049	51.305	80.00- 120.00	100.00
19.119	19.119 (0.919)	99	497798			12.49- 112.49	63.24
19.119	19.119 (0.919)	83	697235			39.00- 139.00	88.57
120 Tetrachloroethene					CAS #: 127-18-4		
19.284	19.285 (0.927)	166	961791	51.4521	51.452	80.00- 120.00	100.00
19.284	19.285 (0.927)	129	733410			26.99- 126.99	76.25
19.284	19.285 (0.927)	131	721074			23.04- 123.04	74.97
121 2-Hexanone					CAS #: 591-78-6		
19.423	19.423 (0.934)	58	936402	51.2941	51.294	80.00- 120.00	100.00
19.423	19.423 (0.934)	43	1881976			153.88- 253.88	200.98
19.450	19.423 (0.935)	100	138187			0.00- 64.15	14.76
122 Dibromochloromethane					CAS #: 124-48-1		
19.810	19.810 (0.952)	129	1428271	54.2884	54.288	80.00- 120.00	100.00
19.810	19.810 (0.952)	127	1118549			28.89- 128.89	78.31
123 1,2-Dibromoethane					CAS #: 106-93-4		
20.086	20.086 (0.965)	107	1342275	54.0371	54.037	80.00- 120.00	100.00
20.086	20.086 (0.965)	109	1263719			44.68- 144.68	94.15
127 Chlorobenzene					CAS #: 108-90-7		
20.860	20.861 (1.003)	112	1767168	51.1905	51.190	80.00- 120.00	100.00
20.860	20.861 (1.003)	114	567972			0.00- 81.53	32.14
20.860	20.861 (1.003)	77	1108770			13.91- 113.91	62.74
128 Ethyl Benzene					CAS #: 100-41-4		
20.943	20.943 (1.007)	106	918093	53.1607	53.161	80.00- 120.00	100.00
20.943	20.943 (1.007)	91	2895597			265.67- 365.67	315.39
129 m,p-Xylene					CAS #: 108-38-3		
21.137	21.137 (1.016)	106	1132909	54.5975	54.597	80.00- 120.00	100.00
21.137	21.137 (1.016)	91	2301036			151.06- 251.06	203.11
130 o-Xylene					CAS #: 95-47-6		
21.856	21.856 (1.050)	106	1034870	54.8366	54.836	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)							
21.856	21.856 (1.050)	91	2168946			163.38- 263.38	209.59
131 Styrene					CAS #: 100-42-5		
21.883	21.884 (1.052)	104	1622820	55.2404	55.240	80.00- 120.00	100.00
21.883	21.884 (1.052)	78	890041			6.95- 106.95	54.85
133 Bromoform					CAS #: 75-25-2		
22.298	22.298 (1.072)	173	1297789	54.6229	54.623	80.00- 120.00	100.00
22.298	22.298 (1.072)	171	665695			1.50- 101.50	51.29
134 Cumene					CAS #: 98-82-8		
22.436	22.437 (1.078)	105	2674143	55.0144	55.014	80.00- 120.00	100.00
22.436	22.437 (1.078)	120	693579			0.00- 75.19	25.94
22.436	22.437 (1.078)	51	343018			0.00- 64.41	12.83
140 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
23.017	23.017 (1.106)	83	1718569	51.8886	51.888	80.00- 120.00	100.00
23.017	23.017 (1.106)	85	1069631			12.01- 112.01	62.24
142 Propylbenzene					CAS #: 103-65-1		
23.128	23.128 (1.112)	91	3272293	54.7443	54.744	80.00- 120.00	100.00
23.128	23.128 (1.112)	120	686925			0.00- 70.05	20.99
23.128	23.128 (1.112)	105	120129			0.00- 66.51	3.67
145 4-Ethyltoluene					CAS #: 622-96-8		
23.294	23.294 (1.120)	105	2666942	56.2741	56.274	80.00- 120.00	100.00
23.294	23.294 (1.120)	120	786858			0.00- 79.16	29.50
147 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
23.404	23.404 (1.125)	105	2141309	52.3861	52.386	80.00- 120.00	100.00
23.404	23.404 (1.125)	120	1035629			0.00- 97.91	48.36
150 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
24.040	24.040 (1.155)	105	1926648	54.4936	54.494	80.00- 120.00	100.00
24.040	24.040 (1.155)	120	864540			0.00- 92.97	44.87
155 1,3-Dichlorobenzene					CAS #: 541-73-1		
24.593	24.593 (1.182)	146	1362546	53.0826	53.082	80.00- 120.00	100.00
24.593	24.593 (1.182)	148	868607			13.45- 113.45	63.75
24.593	24.593 (1.182)	111	579981			0.00- 93.47	42.57
156 1,4-Dichlorobenzene					CAS #: 106-46-7		
24.731	24.731 (1.189)	146	1362951	52.1827	52.183	80.00- 120.00	100.00
24.731	24.731 (1.189)	148	872921			13.03- 113.03	64.05
24.731	24.731 (1.189)	111	553963			0.00- 89.21	40.64

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
159 alpha-Chlorotoluene					CAS #: 100-44-7		
24.953	24.953 (1.199)	91	1888462	53.4224	53.422	80.00- 120.00	100.00
24.953	24.953 (1.199)	126	348220			0.00- 69.32	18.44
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
25.367	25.367 (1.219)	146	1174878	52.7241	52.724	80.00- 120.00	100.00
25.367	25.367 (1.219)	148	752419			13.63- 113.63	64.04
25.367	25.367 (1.219)	111	528442			0.00- 94.17	44.98
165 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
28.160	28.132 (1.353)	180	427238	43.5697	43.570	80.00- 120.00	100.00
28.160	28.132 (1.353)	182	397357			44.16- 144.16	93.01
166 Hexachlorobutadiene					CAS #: 87-68-3		
28.326	28.326 (1.361)	225	672057	46.8355	46.836	80.00- 120.00	100.00
28.326	28.326 (1.361)	223	420821			12.39- 112.39	62.62
29 Isopentane					CAS #: 78-78-4		
8.266	8.266 (0.595)	43	1816076	43.3661	43.366	80.00- 120.00	100.00
8.266	8.266 (0.595)	57	1110895			10.13- 110.13	61.17
19 Butane					CAS #: 106-97-8		
6.830	6.830 (0.492)	58	176889	44.9363	44.936	80.00- 120.00	100.00
6.830	6.830 (0.492)	43	1551511			840.77- 940.77	877.11
102 Methyl Cyclohexane					CAS #: 108-87-2		
16.354	16.354 (1.177)	83	1068712	50.8126	50.813	80.00- 120.00	100.00
16.354	16.354 (1.177)	98	482105			0.00- 93.08	45.11
16.354	16.354 (1.177)	55	1075858			52.63- 152.63	100.67
167 Naphthalene					CAS #: 91-20-3		
28.685	28.685 (1.379)	128	854582	37.8181	37.818	80.00- 120.00	100.00
28.685	28.685 (1.379)	127	102882			0.00- 62.34	12.04

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdt.i
Lab File ID: t082804.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdt.i/28Aug2007.b/t14q822b.m
Misc Info: 200ppbv --> 50ppbv

Calibration Date: 28-AUG-2007
Calibration Time: 08:34
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
81 Bromochloromethan	170933	102560	239306	181692	6.29
97 1,4-Difluorobenze	720430	432258	1008602	738259	2.47
126 Chlorobenzene-d5	649286	389572	909000	673345	3.71

		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	20.81	20.48	21.14	20.81	0.00

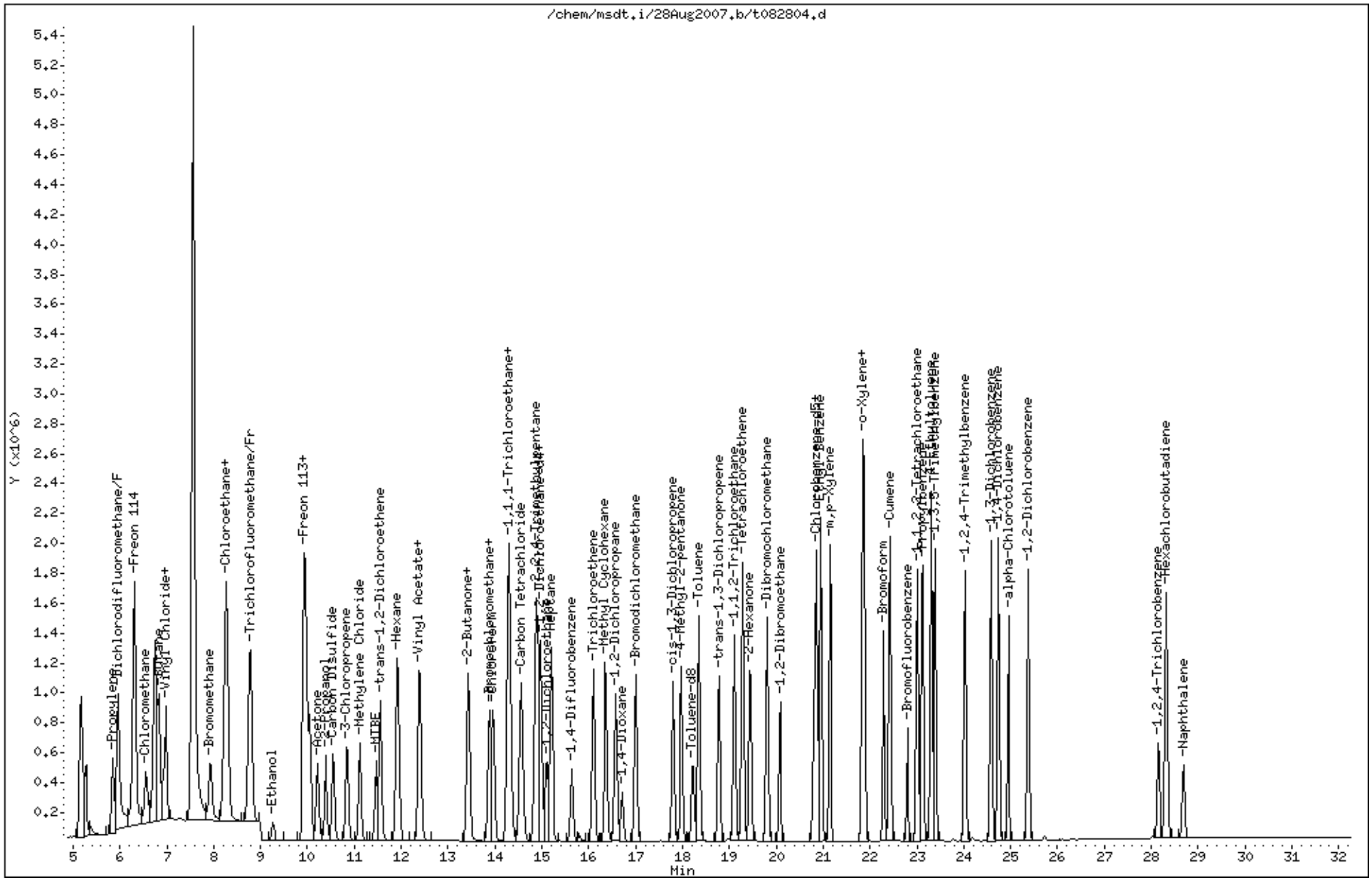
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0192

Data File: /chem/msdt.i/28Aug2007.b/t082804.d
Date : 28-AUG-2007 10:08
Client ID: LCS-1
Sample Info: 50mL #1443-164

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

Column phase: RTx-624



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MSD-T

Logbook #: 1533

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	25.83
75	30.0 – 60.0% of mass 95	49.78
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.91
173	Less than 2.0% of mass 174	(0.65)[1]
174	Greater than 50.0% of mass 95	64.67
175	5.0 – 9.0% of mass 174	(7.28)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.54)[1]
177	5.0 – 9.0% of mass 176	(6.42)[2]

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

Verify 176/174 m/z Ratio: 45270/46838 x 100 = 96.54%

BFB Injection Date: 8/28/07
BFB Injection Time: 0809
BFB File ID: T082801
Tekmar Purge Flow: N/A
Vacuum: 2.66 x 10^{-5} torr

IS/S Std.#:	1487-369	Exp. Date: 11/20/07
BCM	170933	
1,4-DFB	720430	
CB-d5	649286	

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

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

0193

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 357695\ )}{(\ 170933\ )} \times \frac{(\ 25.0\ )}{(\ 1.90684\ )} = 27.435$

File ID:	T082802
Compound:	1,2-DCA-d4
Initials:	CB

Reported Result 27.435

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loader Init.	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	T082801	BFB Tune Check	1476-58	50 mg	2uL	1.00	CB	8/28/07	0809	CB	
2	✓	02	CCV-1 (200 ppbv)	1443-270	50 ppbv	50mL		CB		0834	CB	
3	✓	03	CCVsd (200 ppbv)	1487-368	50 ppbv	50mL		CB		0927	CB	SD 22b ccv
4	✓	04	LCS-1 (200 ppbv)	1443-164	50 ppbv	50mL		CB		1008	CB	
5	X	05	Lab Blank	3i437	Humid	200mL		CB		1107	CB	
6	✓	06	Lab Blank	↓	↓	↓	↓	CB		1158	CB	
7	✓	07	07084758-03A	1L Beg	Tedlar	200mL	1.00	CB		1252	CB	
8	✓	08	-01A			2mL	20,000	CB		1337	CB	200X Dil for NT
9	✓	09	-02A	↓	↓	~~200~~ 300 mL	200	CB	↓	1434	CB	200X Dil for NT

Signature

8/28/07
Date

10	✓	T082810	07084758-03AA	1L Bag	Tedlar	200mL	1.00	CB	8/28/07	1526	CB		
11	✓	11	07084481-01A	23836	3.0"Hg-15psi	200mL	2.24	CB		1616	SS		
12	✓	12	04AA	↓	↓	↓	↓	SS		1658	SS		
13	✓	13	02A	33398	3.5"Hg-15psi	200ml	2.29	SS		1734	SS		
14	✓	14	03A	9538	3.5"Hg-15psi	200ml	2.05	SS		1813	SS		
15	✓	15	04A	94416	3.5"Hg-15psi	200ml	2.29	SS		1859	SS		
16	✓	16	07084423-01A	36633	6.5"Hg-5psi	200ml	1.71	SS		1938	SS		
17	✓	17	↓ 02A	43241	7.5"Hg-5psi	200ml	1.79	SS		2017	SS		
18	✓	18	07084424-02A	34185	2.0"Hg-15psi	200ml	2.16	SS		2059	SS		
19	X	19	↓ 01A	11432	1.0"Hg-15psi	200ml	2.09	SS		2147	SS		
20	X	20	System Blank	31457	Humid	200ml	1.00	SS		2237	RB/NA	↑ Re 5mL	
21	X	21	↓	↓	↓	↓	1.00	RB	↓	2337	RB/NA		
22	✓	22	↓	↓	↓	↓	1.00	RB	8/29/07	0030	RB/SS		
23	X 8/27/07 RB ✓	23	07084424-01AA	11432	1.0"Hg-15psi	5.0mL	836	RB	↓	0122	RB/SS	Re 1mL	
24	✓	24	System Blank	31437	Humid	200mL	1.00	RB	↓	0214	RB/SS		
25	✓	25	07084424-01A	11432	1.0"Hg-15psi	1.0mL	418	RB	↓	0302	RB/SS		
26	✓	26	07084688-01A	916	5.0"Hg-5psi	200mL	1.61	RB	↓	0353	SS		
27	✓	27	↓ -02A	3734	9.0"Hg-5psi	↓	1.91	RB	↓	0440	SS		
28	✓	28	07084588A-01A	4189	1.0"Hg-5psi	↓	1.39	RB	↓	0525	SS		
29													
30													
31			SS 8/29/07										
32													

0194

Comments:

Signature

8/29/07
Date

Air Toxics Ltd.

Data file : /chem/msdt.i/22Aug2007.b/t082204.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 22-AUG-2007 09:23
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/22Aug2007.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	1084693			100.00- 100.00	100.00
8.110	8.228	-0.118	50	265652			15.00- 40.00	24.49
8.110	8.228	-0.118	75	512606			30.00- 60.00	47.26
8.110	8.228	-0.118	96	73262			5.00- 9.00	6.75
8.110	8.228	-0.118	173	4697			0.00- 2.00	0.65
8.110	8.228	-0.118	174	720202			50.00- 100.00	66.40
8.110	8.228	-0.118	175	51381			5.00- 9.00	7.13
8.110	8.228	-0.118	176	690856			95.00- 101.00	95.93
8.110	8.228	-0.118	177	45289			5.00- 9.00	6.56

Data File: /chem/msdt.i/22Aug2007.b/t082204.d

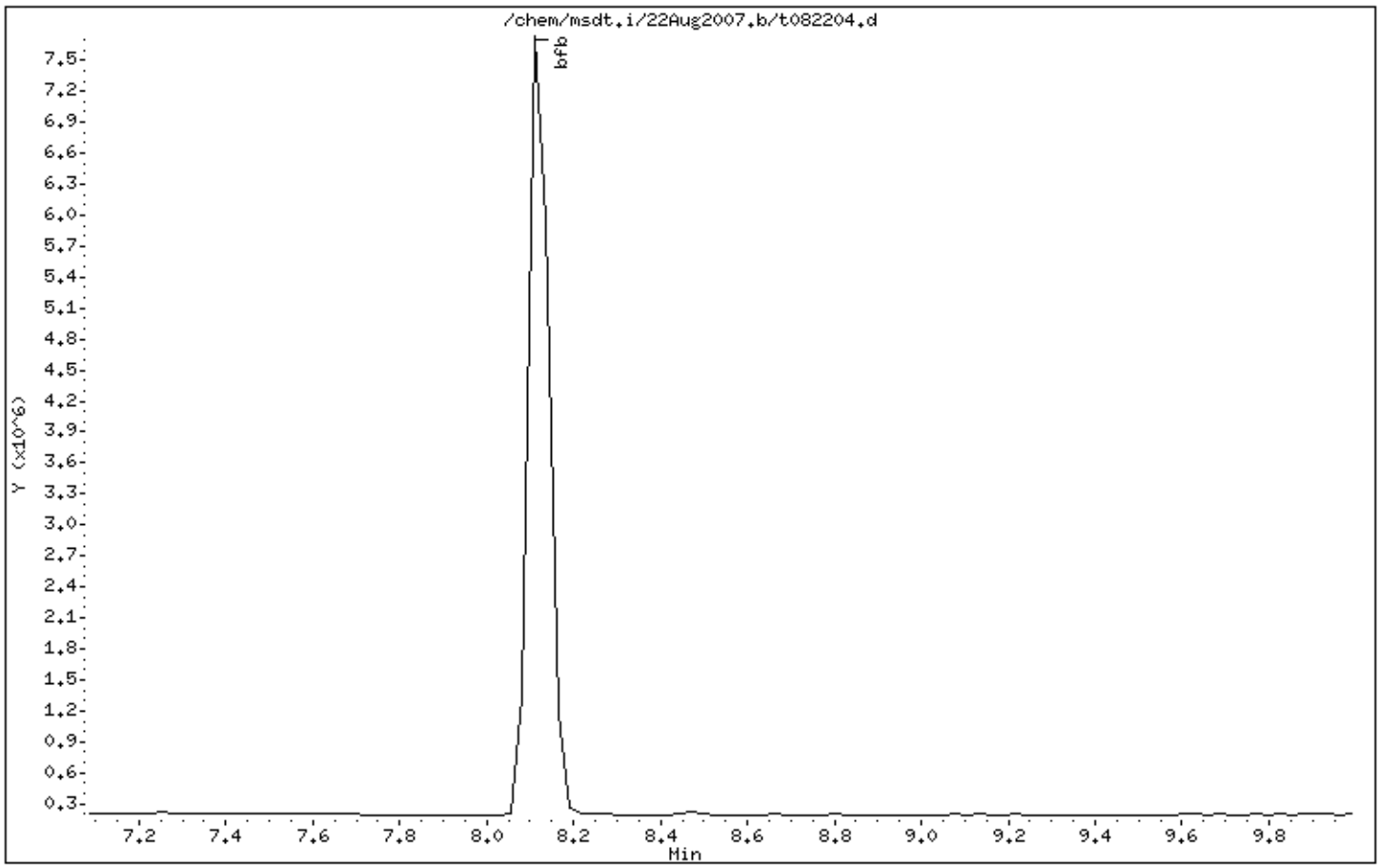
Date : 22-AUG-2007 09:23

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/22Aug2007.b/t082204.d

Date : 22-AUG-2007 09:23

Client ID: BFB

Instrument: msdt.i

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

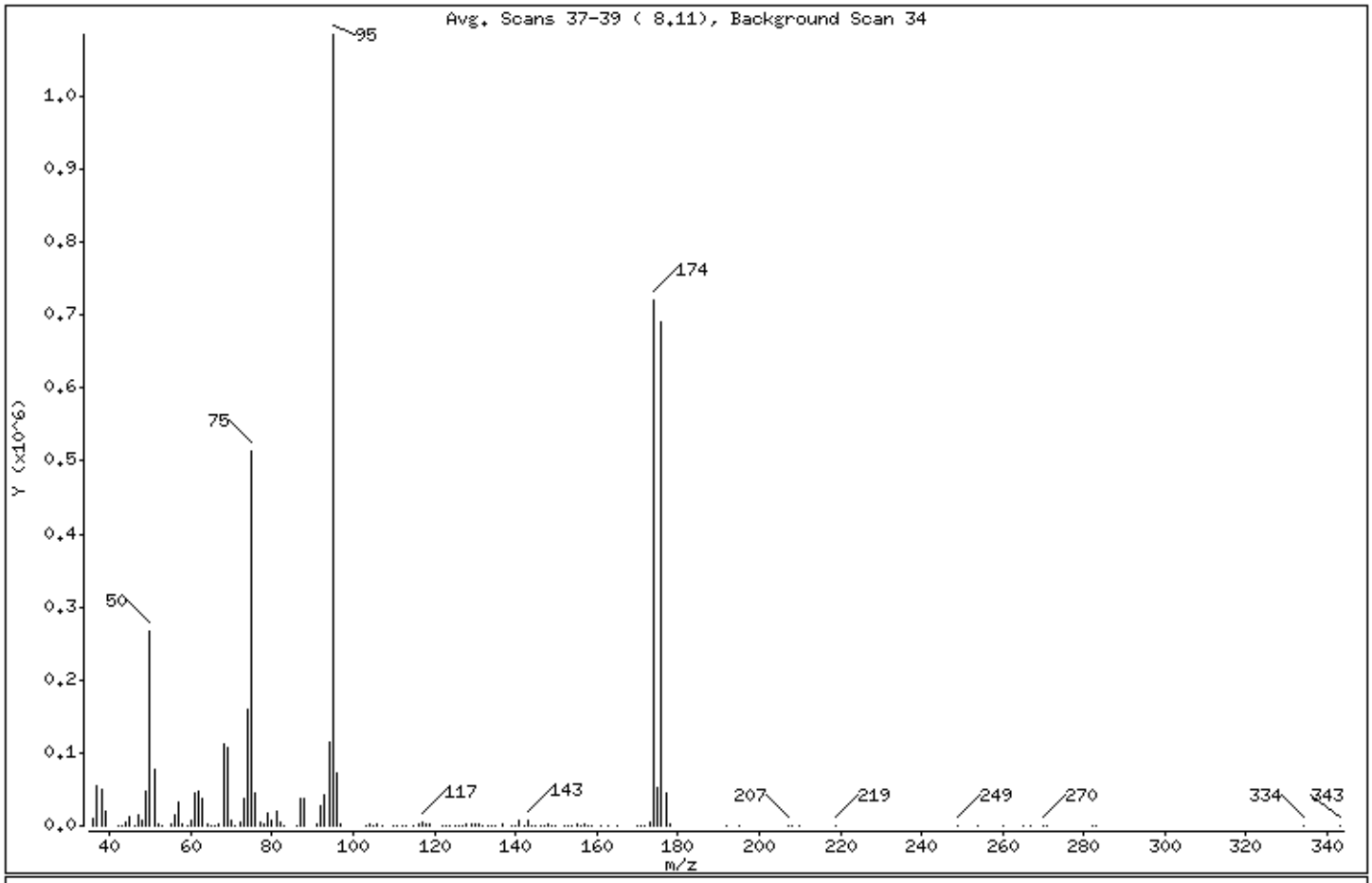
Volume Injected (uL): 1.0

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	24.49
75	30.00 - 60.00% of mass 95	47.26
96	5.00 - 9.00% of mass 95	6.75
173	Less than 2.00% of mass 174	0.43 (0.65)
174	50.00 - 100.00% of mass 95	66.40
175	5.00 - 9.00% of mass 174	4.74 (7.13)
176	95.00 - 101.00% of mass 174	63.69 (95.93)
177	5.00 - 9.00% of mass 176	4.18 (6.56)

Date : 22-AUG-2007 09:23

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: t082204.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 34
Location of Maximum: 95.00
Number of points: 133

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9052	73.00	38360	119.00	3587	158.00	314
37.00	54912	74.00	160000	122.00	283	159.00	899
38.00	50592	75.00	512576	123.00	137	161.00	1173
39.00	21104	76.00	44112	124.00	489	163.00	143
42.00	51	77.00	5383	125.00	349	165.00	442
43.00	420	78.00	3183	126.00	387	170.00	277
44.00	5972	79.00	18048	127.00	257	171.00	387
45.00	11344	80.00	6315	128.00	3002	172.00	1197
46.00	529	81.00	18720	129.00	1397	173.00	4697
47.00	15739	82.00	4574	130.00	2817	174.00	720192
48.00	6599	83.00	533	131.00	1313	175.00	51376
49.00	47744	86.00	740	132.00	124	176.00	690816
50.00	265600	87.00	37696	133.00	63	177.00	45288
51.00	78504	88.00	36776	134.00	203	178.00	1380
52.00	3102	91.00	2524	135.00	1034	192.00	45
53.00	3	92.00	26544	137.00	1377	195.00	159
55.00	2501	93.00	42352	139.00	303	207.00	630
56.00	15618	94.00	114152	140.00	456	208.00	160
57.00	31952	95.00	1084416	141.00	6713	210.00	131
58.00	1397	96.00	73256	142.00	755	219.00	267
59.00	239	97.00	2307	143.00	7345	249.00	248
60.00	8622	103.00	212	144.00	482	254.00	105
61.00	45712	104.00	3365	145.00	834	260.00	107
62.00	46880	105.00	861	146.00	1241	265.00	118
63.00	37344	106.00	2889	147.00	544	267.00	300
64.00	3434	107.00	1055	148.00	1720	270.00	504
65.00	767	110.00	318	149.00	845	271.00	114
66.00	229	111.00	542	150.00	802	282.00	221
67.00	2552	112.00	379	152.00	422	283.00	39
68.00	111992	113.00	691	153.00	689	334.00	372
69.00	108040	115.00	1051	154.00	496	343.00	64
70.00	8057	116.00	2597	155.00	2007		
71.00	275	117.00	4626	156.00	601		
72.00	4709	118.00	2615	157.00	1464		

Air Toxics Ltd.

Data file : /chem/msdt.i/23Aug2007.b/t082301.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 23-AUG-2007 08:10
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/23Aug2007.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	1106238			100.00- 100.00	100.00
8.110	8.228	-0.118	50	278751			15.00- 40.00	25.20
8.110	8.228	-0.118	75	537057			30.00- 60.00	48.55
8.110	8.228	-0.118	96	74351			5.00- 9.00	6.72
8.110	8.228	-0.118	173	4705			0.00- 2.00	0.65
8.110	8.228	-0.118	174	723362			50.00- 100.00	65.39
8.110	8.228	-0.118	175	52527			5.00- 9.00	7.26
8.110	8.228	-0.118	176	696002			95.00- 101.00	96.22
8.110	8.228	-0.118	177	45716			5.00- 9.00	6.57

Data File: /chem/msdt.i/23Aug2007.b/t082301.d

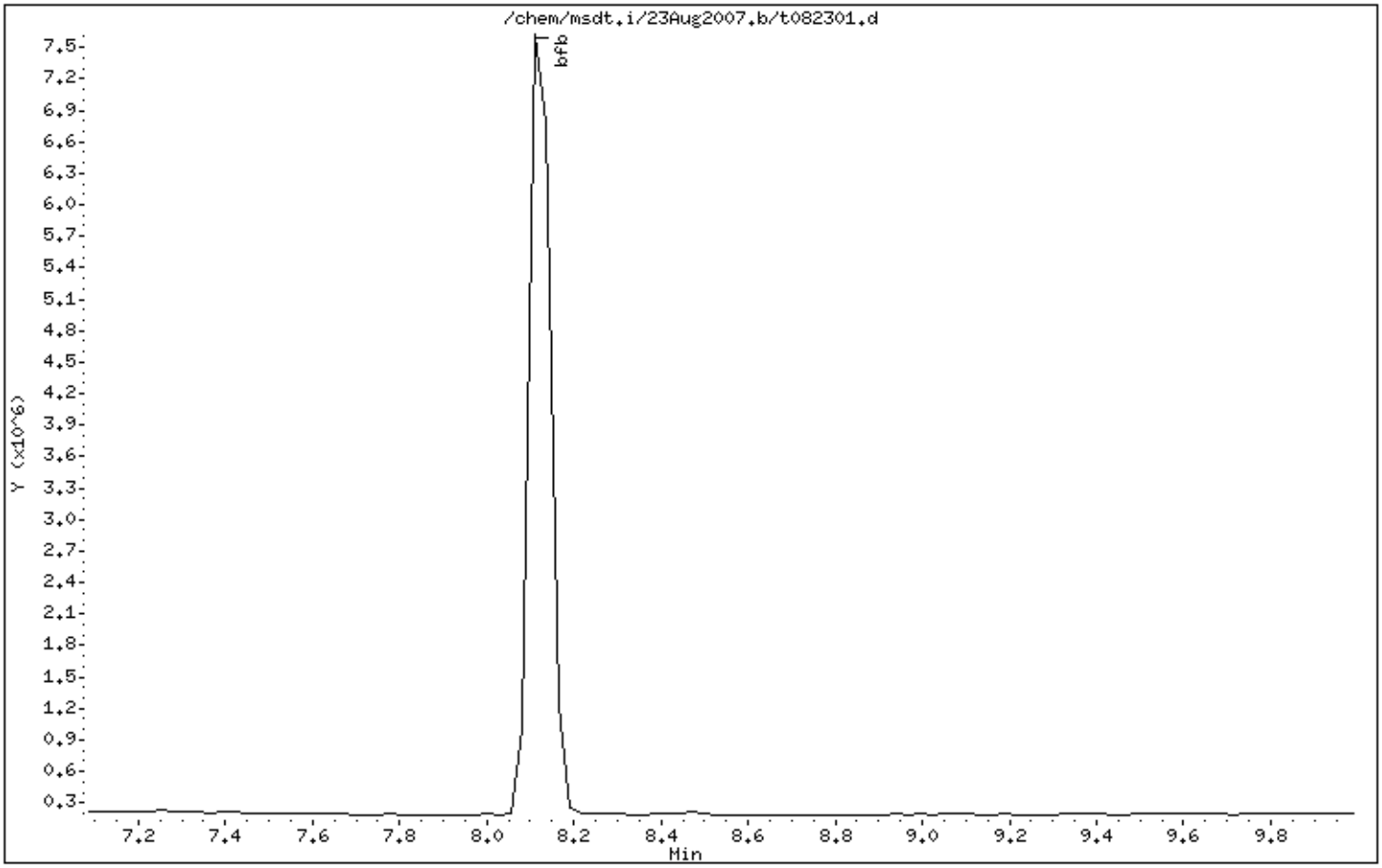
Date : 23-AUG-2007 08:10

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/23Aug2007.b/t082301.d

Date : 23-AUG-2007 08:10

Client ID: BFB

Instrument: msdt.i

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

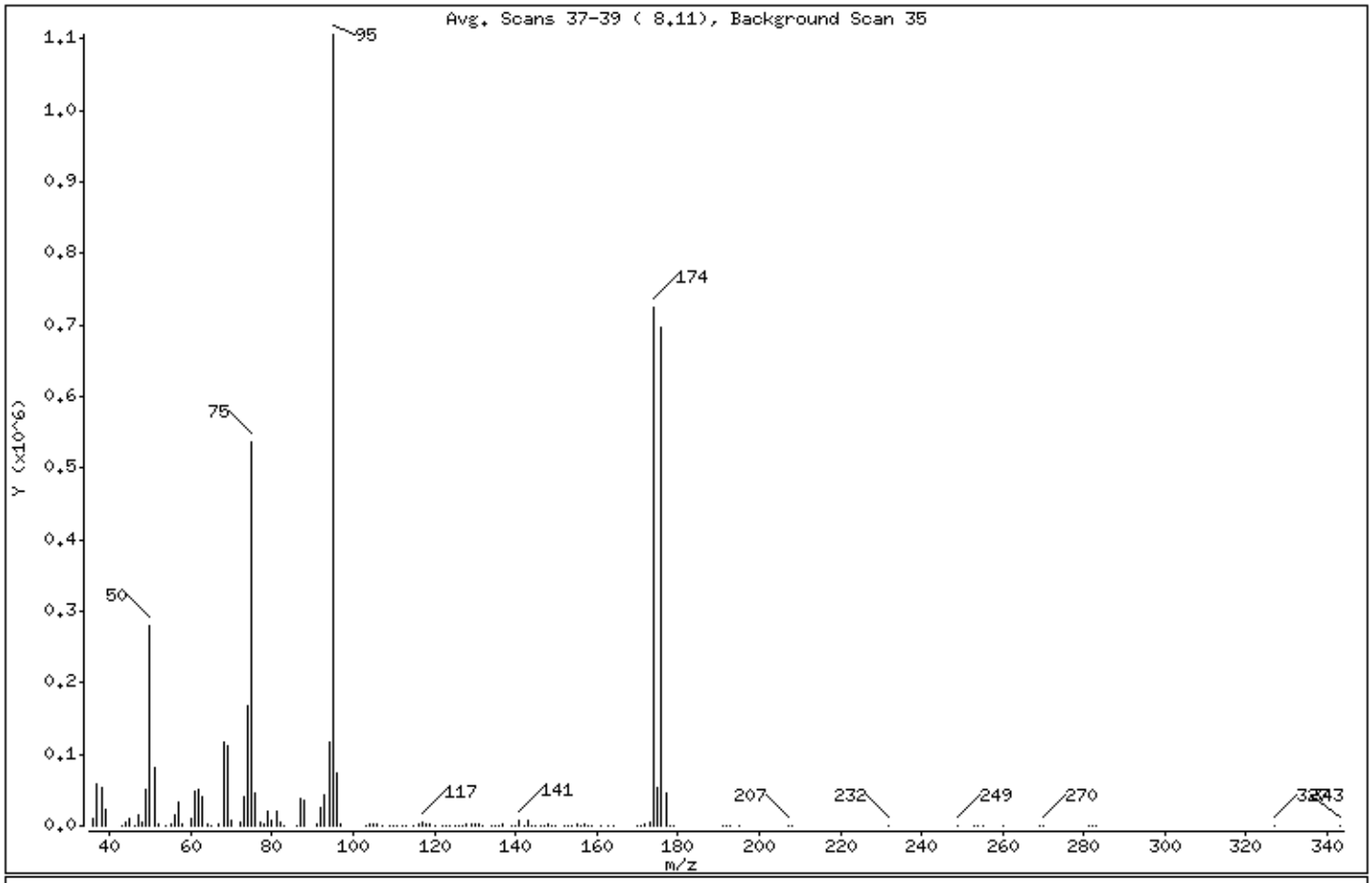
Volume Injected (uL): 1.0

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	25.20
75	30.00 - 60.00% of mass 95	48.55
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.43 (0.65)
174	50.00 - 100.00% of mass 95	65.39
175	5.00 - 9.00% of mass 174	4.75 (7.26)
176	95.00 - 101.00% of mass 174	62.92 (96.22)
177	5.00 - 9.00% of mass 176	4.13 (6.57)

Date : 23-AUG-2007 08:10

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: t082301.d
Spectrum: Avg. Scans 37-39 (8.11), Background Scan 35
Location of Maximum: 95.00
Number of points: 134

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	9344	77.00	5438	123.00	130	161.00	1236
37.00	58192	78.00	3144	124.00	500	163.00	38
38.00	53640	79.00	20056	125.00	294	164.00	117
39.00	22752	80.00	6753	126.00	414	170.00	242
43.00	378	81.00	21128	127.00	206	171.00	252
44.00	5710	82.00	5053	128.00	2788	172.00	1299
45.00	11236	83.00	611	129.00	1616	173.00	4705
46.00	695	86.00	998	130.00	3041	174.00	723328
47.00	16213	87.00	38128	131.00	1346	175.00	52520
48.00	6262	88.00	36824	132.00	289	176.00	696000
49.00	50224	91.00	2632	134.00	210	177.00	45712
50.00	278720	92.00	26576	135.00	1038	178.00	1164
51.00	81392	93.00	43984	136.00	353	179.00	379
52.00	3143	94.00	117712	137.00	1307	191.00	174
54.00	345	95.00	1105920	139.00	285	192.00	40
55.00	2631	96.00	74344	140.00	446	193.00	292
56.00	15717	97.00	2176	141.00	7341	195.00	239
57.00	33368	103.00	311	142.00	982	207.00	1125
58.00	1325	104.00	3289	143.00	7233	208.00	347
60.00	9107	105.00	1308	144.00	384	232.00	57
61.00	48792	106.00	2984	145.00	664	249.00	420
62.00	49680	107.00	1118	146.00	1138	253.00	4
63.00	39656	109.00	105	147.00	558	254.00	216
64.00	3521	110.00	382	148.00	2040	255.00	206
65.00	974	111.00	496	149.00	649	260.00	320
67.00	2525	112.00	373	150.00	994	269.00	45
68.00	117536	113.00	614	152.00	468	270.00	332
69.00	112672	115.00	881	153.00	573	281.00	223
70.00	8527	116.00	2190	154.00	528	282.00	53
72.00	4813	117.00	4810	155.00	2020	283.00	31
73.00	41328	118.00	2769	156.00	514	327.00	212
74.00	166848	119.00	3530	157.00	1334	343.00	124
75.00	537024	120.00	228	158.00	317		
76.00	45024	122.00	220	159.00	870		

Air Toxics Ltd.

Data file : /chem/msdt.i/28Aug2007.b/t082801.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 28-AUG-2007 08:09
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/28Aug2007.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		
8.137	8.228	-0.091	95	724266			100.00- 100.00	100.00
8.137	8.228	-0.091	50	187113			15.00- 40.00	25.83
8.137	8.228	-0.091	75	360561			30.00- 60.00	49.78
8.137	8.228	-0.091	96	50064			5.00- 9.00	6.91
8.137	8.228	-0.091	173	3050			0.00- 2.00	0.65
8.137	8.228	-0.091	174	468384			50.00- 100.00	64.67
8.137	8.228	-0.091	175	34114			5.00- 9.00	7.28
8.137	8.228	-0.091	176	452170			95.00- 101.00	96.54
8.137	8.228	-0.091	177	29041			5.00- 9.00	6.42

Data File: /chem/msdt.i/28Aug2007.b/t082801.d

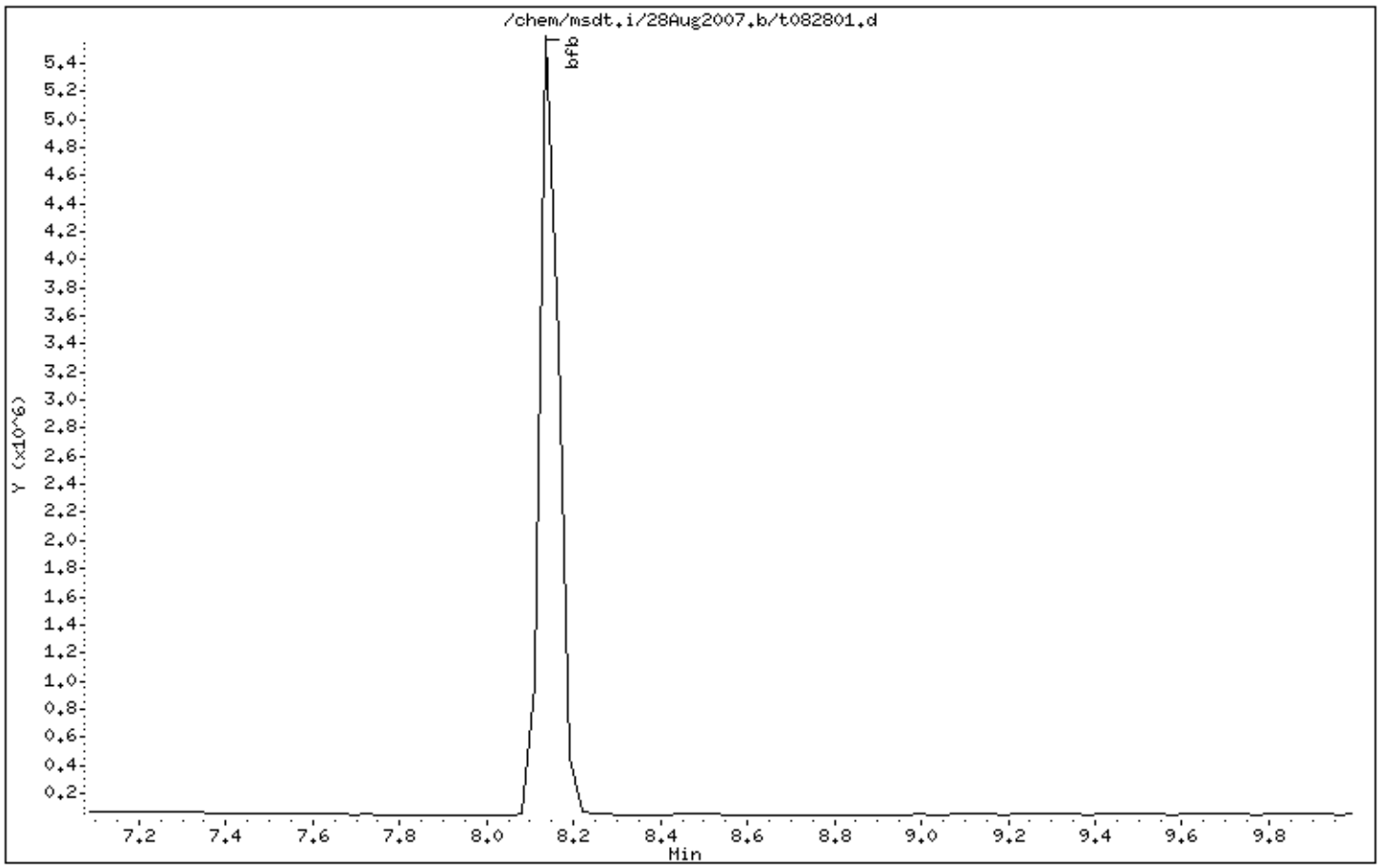
Date : 28-AUG-2007 08:09

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/28Aug2007.b/t082801.d

Date : 28-AUG-2007 08:09

Client ID: BFB

Instrument: msdt.i

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

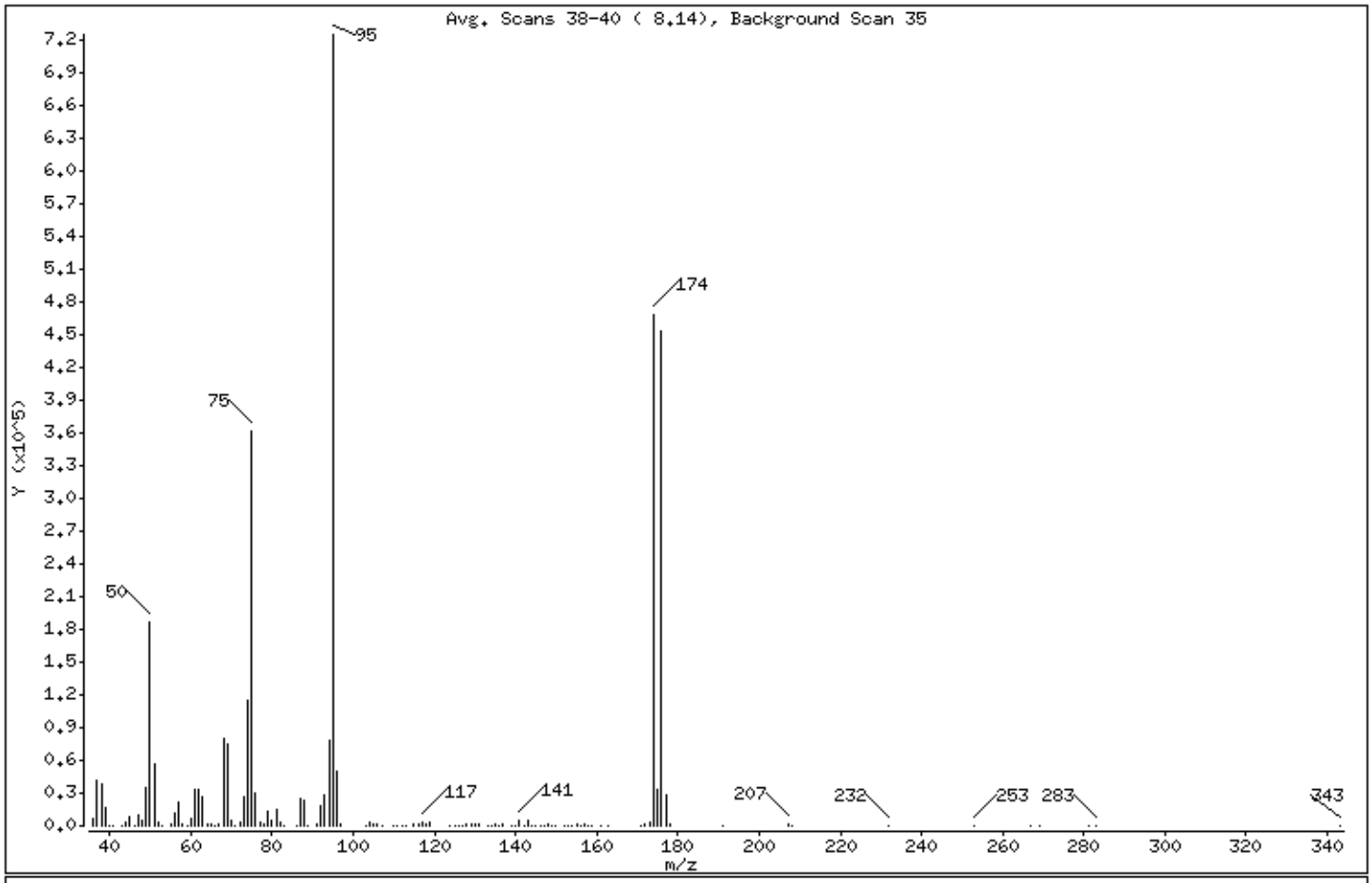
Volume Injected (uL): 1.0

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	25.83
75	30.00 - 60.00% of mass 95	49.78
96	5.00 - 9.00% of mass 95	6.91
173	Less than 2.00% of mass 174	0.42 (0.65)
174	50.00 - 100.00% of mass 95	64.67
175	5.00 - 9.00% of mass 174	4.71 (7.28)
176	95.00 - 101.00% of mass 174	62.43 (96.54)
177	5.00 - 9.00% of mass 176	4.01 (6.42)

Date : 28-AUG-2007 08:09

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: t082801.d
Spectrum: Avg. Scans 38-40 (8.14), Background Scan 35
Location of Maximum: 95.00
Number of points: 124

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6941	70.00	5408	112.00	458	152.00	323
37.00	41040	71.00	288	113.00	328	153.00	377
38.00	37792	72.00	3129	115.00	895	154.00	442
39.00	16249	73.00	27440	116.00	1863	155.00	1250
40.00	118	74.00	114344	117.00	3460	156.00	546
41.00	192	75.00	360512	118.00	1948	157.00	927
43.00	219	76.00	30656	119.00	2881	158.00	270
44.00	3977	77.00	3735	124.00	382	159.00	617
45.00	8102	78.00	2447	125.00	157	161.00	220
46.00	491	79.00	14008	126.00	261	163.00	140
47.00	10530	80.00	4994	127.00	373	171.00	120
48.00	4728	81.00	14937	128.00	2075	172.00	1111
49.00	34440	82.00	3601	129.00	992	173.00	3050
50.00	187072	83.00	498	130.00	2225	174.00	468352
51.00	56888	86.00	577	131.00	988	175.00	34112
52.00	2531	87.00	24896	133.00	225	176.00	452160
53.00	94	88.00	23528	134.00	422	177.00	29040
55.00	2134	89.00	240	135.00	844	178.00	860
56.00	11970	91.00	1864	136.00	102	191.00	460
57.00	22336	92.00	17880	137.00	871	207.00	1192
58.00	906	93.00	28848	139.00	128	208.00	36
59.00	52	94.00	77848	140.00	404	232.00	128
60.00	6409	95.00	724224	141.00	5327	253.00	107
61.00	32880	96.00	50064	142.00	675	267.00	126
62.00	34096	97.00	1671	143.00	4993	269.00	121
63.00	26544	103.00	158	144.00	127	281.00	94
64.00	2390	104.00	2590	145.00	542	283.00	263
65.00	848	105.00	1007	146.00	829	343.00	382
66.00	123	106.00	2255	147.00	480		
67.00	1828	107.00	764	148.00	1439		
68.00	80344	110.00	150	149.00	416		
69.00	75176	111.00	350	150.00	640		

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 #: 0708468
# of pages (Including Cover): 1

9/11/2007

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 VFR 8/24/07

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

0209

Page 1 of 1

Contact	~~Karen Swartz~~ Brian Skelly
Company	GEI Consultants, Inc.
Address	455 Winding Brook Glastonbury CT 06033
Phone	860-368-5300 Fax 860-368-5307

Collected By: Signature: Nicholas Gove Nicholas Gove

Project Info:
P.O. #
Project # 061140-8-1703
Project Name BAY SHORE OU1South Perimeter Air Monitoring
Long Island, New York

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

Lab Use Only
Pressurized by: VFR
Date: 8/24/07
Pressurization Gas: (N_2) He

Lab I.D.	Field Sample I.D.	Can SN#	Date	Time (start – end)	Analyses Requested	Canister Pressure/Vacuum Initial (inch Hg)	Final (inch Hg)	Receipt (PSI)	Final
01A	U.W. AMS #1	916	08/22/07	0613/1513	TO-15 + Naphthalene	-30	-7	5.0"Hg	5.0psig
02A	D.W. AMS#5	3734	08/22/07	0611/1511	TO-15 + Naphthalene	-30	-10	9.0"Hg	5.0psig

Relinquished By: (Signature) Date/Time: Nicholas Gove 08/22/07
Received By: (Signature) Date/Time: T. LaFlash ATL 8/23/07 0830
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

NOTES: used flow controllers included

Send Data Pack to Lisa McDonough: 7 Highfield Road, Quincy MA 02169. Send EDD to datagroup@geiconsultatns.com

Lab Use Only	Shipper Name	Air Bill #	Opened By	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	FED EX	8617-8870-7984	TL	NA	good	Yes No (None)	0708468

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0708468

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: 09/07/07
Date Completed: 9/6/07
Date Received: 8/23/07
PO#: NR
Project#: 061140-8-1703 Bay Shore OU1South Perimeter Air
Total $: $ 624.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	U.W. AMS#1	Modified TO-15	8/22/2007	5.0 "Hg	$225.00
02A	D.W. AMS#5	Modified TO-15	8/22/2007	9.0 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

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

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: 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 #: 0708468

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

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

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

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

M/Q: _____

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
CB 8/29/07	R: [illegible] 9/6/07	LO 9/6/07	
	T: LO 9/6/07		

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