
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 #: 0806229

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	6/30/08
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0806229

Work Order Summary

CLIENT:	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746	**BILL TO:**	Ms. Theresa Landgraff GEI Consultants, Inc. 110 Walt Whitman Road Suite 204 Huntington Station, NY 11746
PHONE:	631-760-9300 x 12	**P.O. #**	NR
FAX:		**PROJECT #**	061140-8-1703 BayShore OU1 Southern cell Air Monitorin
DATE RECEIVED:	06/12/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	06/24/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	UW AMS 3	Modified TO-15	9.0 "Hg	5 psi
01AA	UW AMS 3 Lab Duplicate	Modified TO-15	9.0 "Hg	5 psi
02A	DW AMS 5	Modified TO-15	8.5 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 06/25/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
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# 0806229

Two 6 Liter Summa Canister samples were received on June 12, 2008. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

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

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

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

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

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

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit (background subtraction 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
UW AMS 3	0806229-01A	6/11/2008	6/12/2008	NA	7	6/18/2008	NA	Good
UW AMS 3 Lab Duplicate	0806229-01AA	6/11/2008	6/12/2008	NA	7	6/18/2008	NA	Good
DW AMS 5	0806229-02A	6/11/2008	6/12/2008	NA	7	6/18/2008	NA	Good
Lab Blank	0806229-03A	NA	NA	NA	NA	6/18/2008	NA	Good
CCV	0806229-04A	NA	NA	NA	NA	6/18/2008	NA	Good
LCS	0806229-05A	NA	NA	NA	NA	6/18/2008	NA	Good

Sample Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS 3

Lab ID#: 0806229-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.8	9.1	9.1	22
Ethanol	3.8	3.8	7.2	7.2

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 3

Lab ID#: 0806229-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061812**	**Date of Collection:**	**6/11/08**
Dil. Factor:	**1.91**	**Date of Analysis:**	**6/18/08 04:11 PM**

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	Not Detected	3.6	Not Detected
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: UW AMS 3

Lab ID#: 0806229-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061812**	**Date of Collection: 6/11/08**	
Dil. Factor:	**1.91**	**Date of Analysis: 6/18/08 04:11 PM**	

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	9.1	9.1	22
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	3.8	7.2	7.2
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	91	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	89	70-130

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AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061812.d
Lab Smp Id: 0806229-01A
Inj Date : 18-JUN-2008 16:11
Operator : cb Inst ID: msdy.i
Smp Info : 500mL #35174
Misc Info : 9.0"Hg-5psi
Comment :
Method : /chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 24-Jun-2008 10:32 lrandolp Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: TO15QN.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
* 47 Bromochloromethane					CAS #: 74-97-5		
9.446	9.446 (1.000)	130	431003	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	331390			0.00- 30.00	76.89
9.446	9.446 (1.000)	49	1556445			0.00- 30.00	361.12
* 60 1,4-Difluorobenzene					CAS #: 540-36-3		
10.745	10.718 (1.000)	114	1262479	10.0000		80.00- 120.00	100.00
10.745	10.718 (1.000)	88	218505			0.00- 46.97	17.31
* 80 Chlorobenzene-d5					CAS #: 3114-55-4		
15.943	15.916 (1.000)	117	1120463	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	670630			0.00- 30.00	59.85
$ 57 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
10.192	10.165 (1.079)	65	824017	9.41773	9.418	80.00- 120.00	100.00
10.192	10.165 (1.079)	67	374159			0.00- 30.00	45.41
$ 70 Toluene-d8					CAS #: 2037-26-5		
13.317	13.317 (1.239)	98	1171562	9.08181	9.082	80.00- 120.00	100.00
13.317	13.317 (1.239)	70	135805			0.00- 41.26	11.59

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.239)	100	752801			35.90- 95.90	64.26
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.114)	174	515687	8.90190	8.902	80.00- 120.00	100.00
17.768	17.768 (1.114)	95	781053			119.36- 179.36	151.46
17.768	17.768 (1.114)	176	488076			65.76- 125.76	94.65
17 Ethanol					CAS #: 64-17-5		
6.598	6.543 (0.698)	45	107176	2.00840	3.836	80.00- 120.00	100.00
6.598	6.543 (0.698)	43	38166			0.00- 30.00	35.61
6.598	6.543 (0.698)	46	46103			0.00- 30.00	43.02
24 Acetone					CAS #: 67-64-1		
7.040	7.013 (0.745)	43	911598	4.76677	9.104	80.00- 120.00	100.00
7.040	7.013 (0.745)	58	226529			0.00- 30.00	24.85

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INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061812.d
Lab Smp Id: 0806229-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 9.0"Hg-5psi

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	431003	5.21
60 1,4-Difluorobenze	1425401	855241	1995561	1262479	-11.43
80 Chlorobenzene-d5	1386061	831637	1940485	1120463	-19.16

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.94	0.17

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: y-18jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0806229-01A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: TO15QN.sub
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 9.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57 1,2-Dichloroethane	10.000	9.418	94.18	70-130
$ 70 Toluene-d8	10.000	9.082	90.82	70-130
$ 92 Bromofluorobenzene	10.000	8.902	89.02	70-130

Data File: /chem/msdy.i/y-18jun.b/y061812.d

Date : 18-JUN-2008 16:11

Client ID:

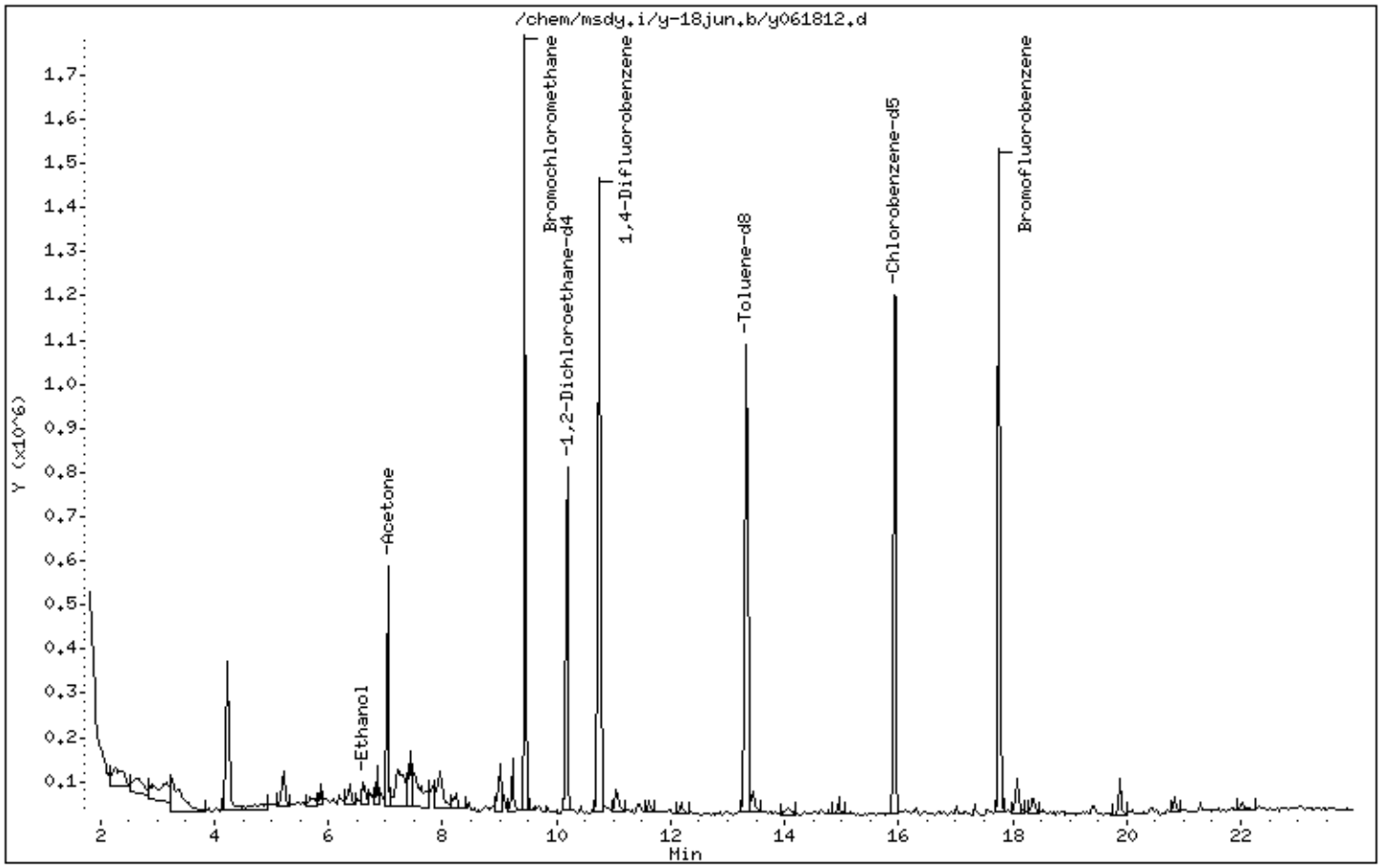
Instrument: msdy.i

Sample Info: 500mL #35174

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Data File: /chem/msdy.i/y-18jun.b/y061812.d

Date : 18-JUN-2008 16:11

Client ID:

Instrument: msdy.i

Sample Info: 500mL #35174

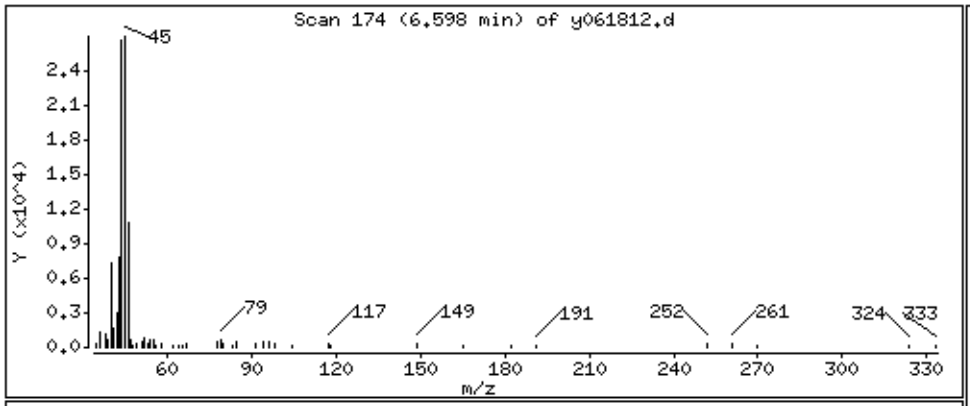
Operator: cb

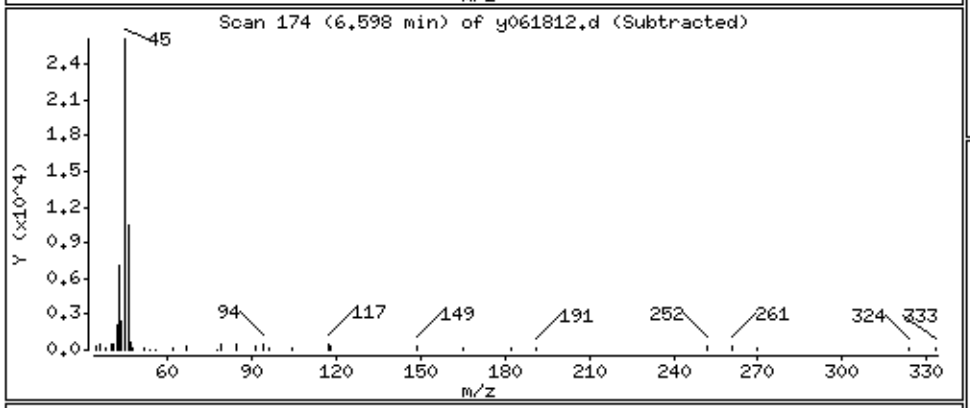
Column phase: RTx-624

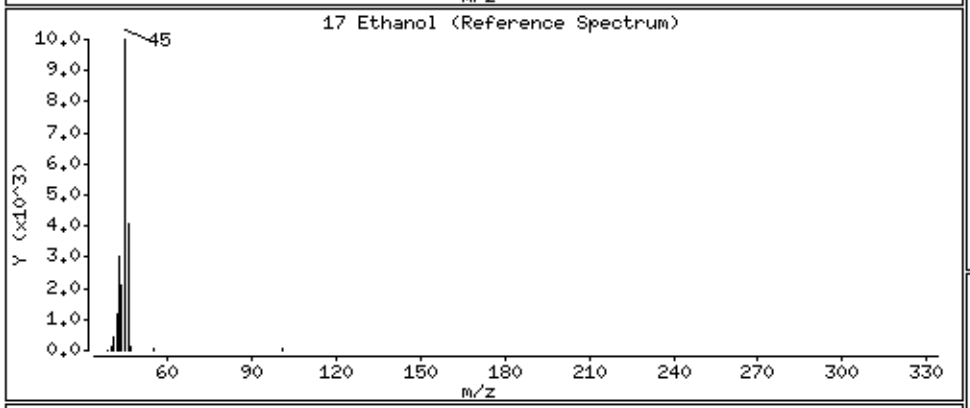
Column diameter: 0.32

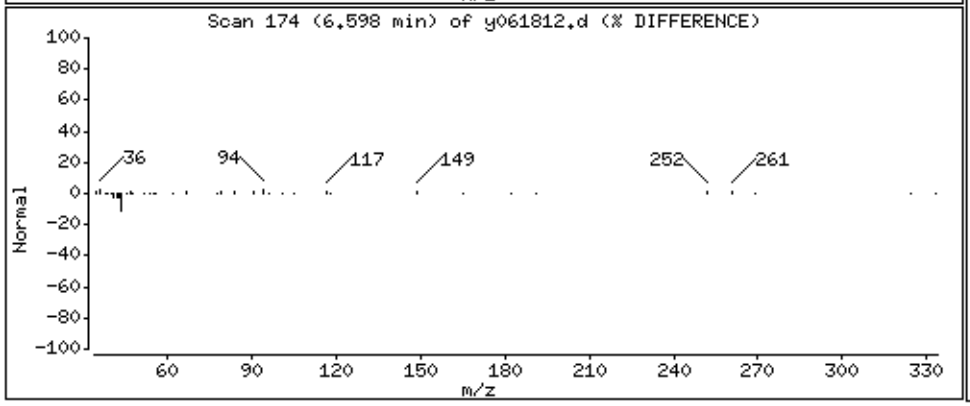
17 Ethanol

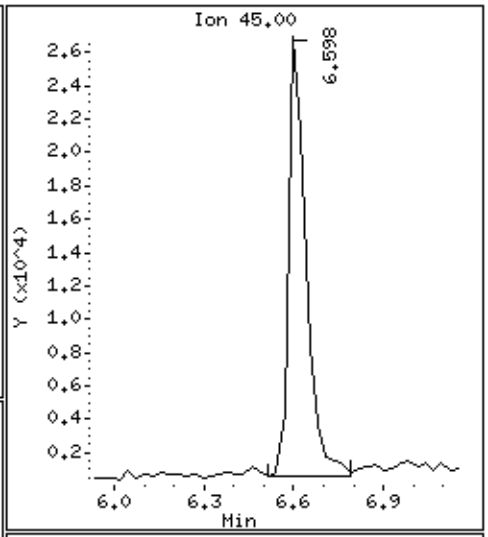
Concentration: 3.836 PPBV

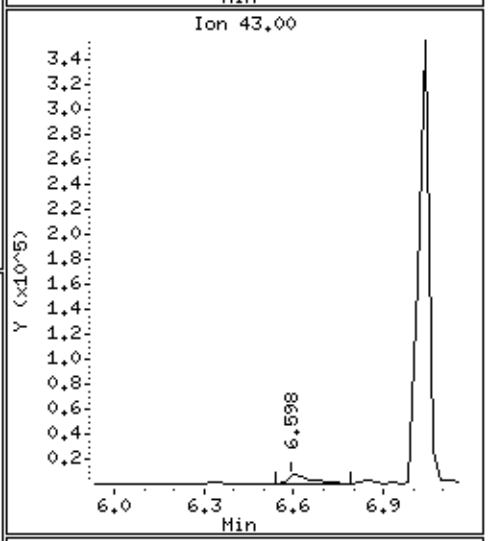


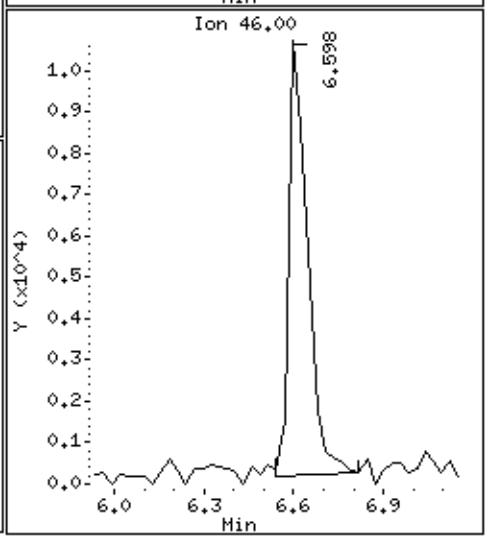












Data File: /chem/msdy.i/y-18jun.b/y061812.d

Date : 18-JUN-2008 16:11

Client ID:

Instrument: msdy.i

Sample Info: 500mL #35174

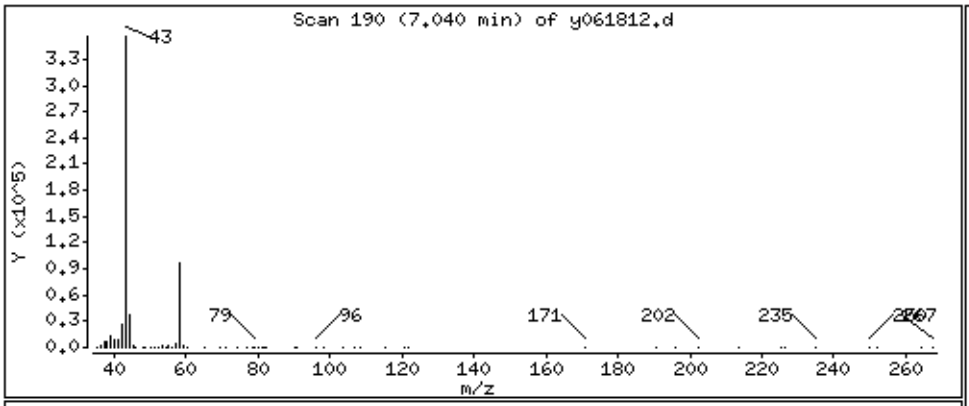
Operator: cb

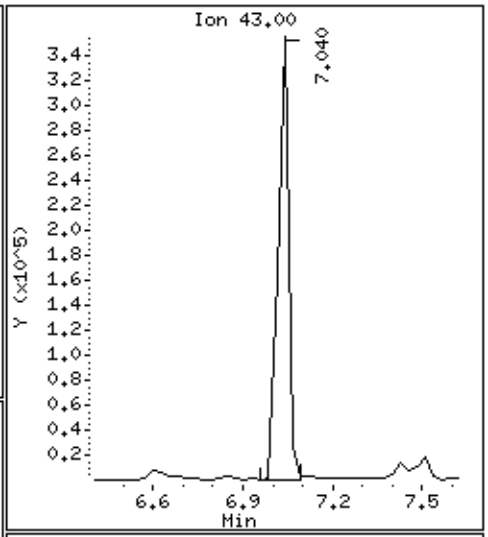
Column phase: RTx-624

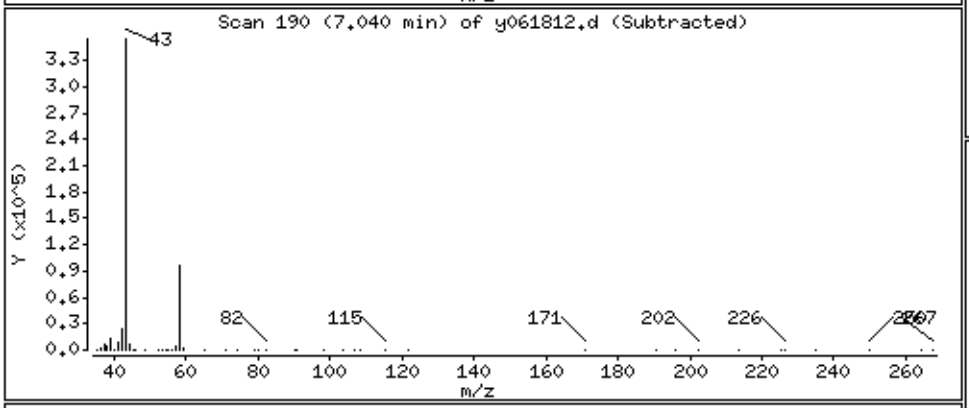
Column diameter: 0.32

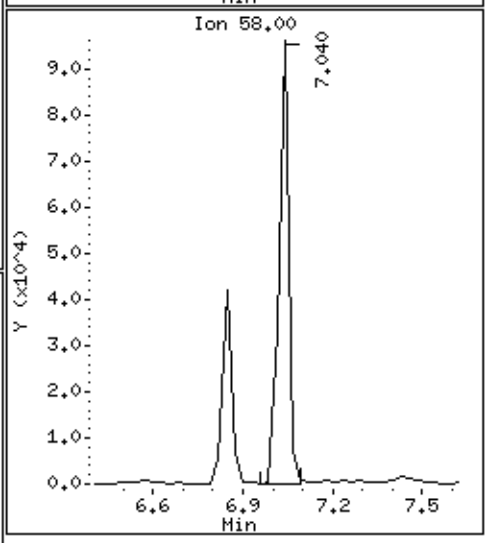
24 Acetone

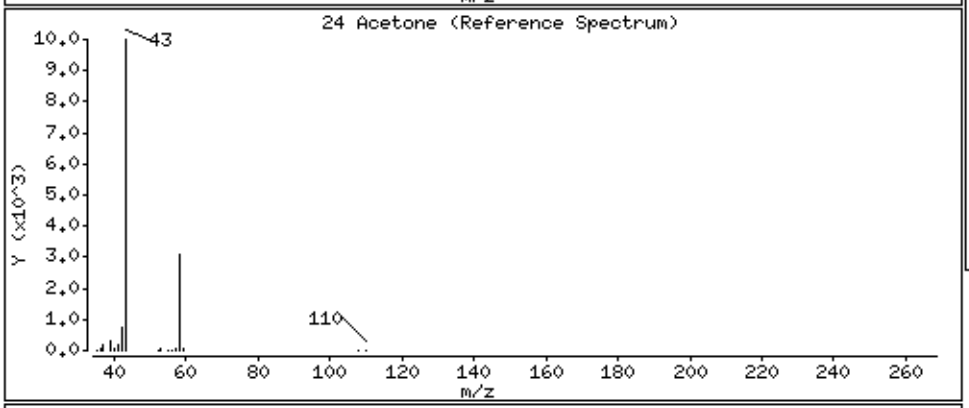
Concentration: 9.104 PPBV

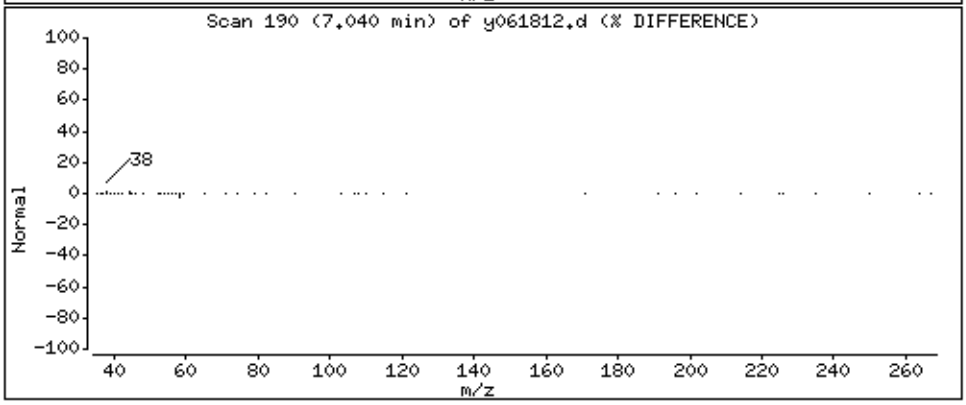












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW AMS 3 Lab Duplicate

Lab ID#: 0806229-01AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.8	9.7	9.1	23

0016

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 3 Lab Duplicate

Lab ID#: 0806229-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061814**	**Date of Collection:**	**6/11/08**
Dil. Factor:	**1.91**	**Date of Analysis:**	**6/18/08 05:32 PM**

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	Not Detected	3.6	Not Detected
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: UW AMS 3 Lab Duplicate

Lab ID#: 0806229-01AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061814**	**Date of Collection: 6/11/08**	
Dil. Factor:	**1.91**	**Date of Analysis: 6/18/08 05:32 PM**	

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	9.7	9.1	23
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	88	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	89	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061814.d
Lab Smp Id: 0806229-01AA
Inj Date : 18-JUN-2008 17:32
Operator : cb Inst ID: msdy.i
Smp Info : 500mL #35174
Misc Info : 9.0"Hg-5psi
Comment :
Method : /chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 24-Jun-2008 10:32 lrandolp Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP RTE Compound Sublist: TO15QN.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
* 47 Bromochloromethane					CAS #: 74-97-5		
9.446	9.446 (1.000)	130	407033	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	322854			0.00- 30.00	79.32
9.418	9.446 (1.000)	49	1492851			0.00- 30.00	366.76
* 60 1,4-Difluorobenzene					CAS #: 540-36-3		
10.745	10.718 (1.000)	114	1175437	10.0000		80.00- 120.00	100.00
10.745	10.718 (1.000)	88	194069			0.00- 46.97	16.51
* 80 Chlorobenzene-d5					CAS #: 3114-55-4		
15.943	15.916 (1.000)	117	1053136	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	628415			0.00- 30.00	59.67
$ 57 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	816221	9.87799	9.878	80.00- 120.00	100.00
10.165	10.165 (1.076)	67	359377			0.00- 30.00	44.03
$ 70 Toluene-d8					CAS #: 2037-26-5		
13.317	13.317 (1.239)	98	1055960	8.79183	8.792	80.00- 120.00	100.00
13.317	13.317 (1.239)	70	125017			0.00- 41.26	11.84

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.239)	100	668939			35.90- 95.90	63.35
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.114)	174	486246	8.93029	8.930	80.00- 120.00	100.00
17.768	17.768 (1.114)	95	736102			119.36- 179.36	151.38
17.768	17.768 (1.114)	176	464168			65.76- 125.76	95.46
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	918429	5.08531	9.713	80.00- 120.00	100.00
7.013	7.013 (0.742)	58	235495			0.00- 30.00	25.64

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061814.d
Lab Smp Id: 0806229-01AA
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 9.0"Hg-5psi

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	407033	-0.64
60 1,4-Difluorobenze	1425401	855241	1995561	1175437	-17.54
80 Chlorobenzene-d5	1386061	831637	1940485	1053136	-24.02

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.94	0.17

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: y-18jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0806229-01AA
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: TO15QN.sub
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 9.0"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57 1,2-Dichloroethane	10.000	9.878	98.78	70-130
$ 70 Toluene-d8	10.000	8.792	87.92	70-130
$ 92 Bromofluorobenzene	10.000	8.930	89.30	70-130

Data File: /chem/msdy.i/y-18jun.b/y061814.d

Date : 18-JUN-2008 17:32

Client ID:

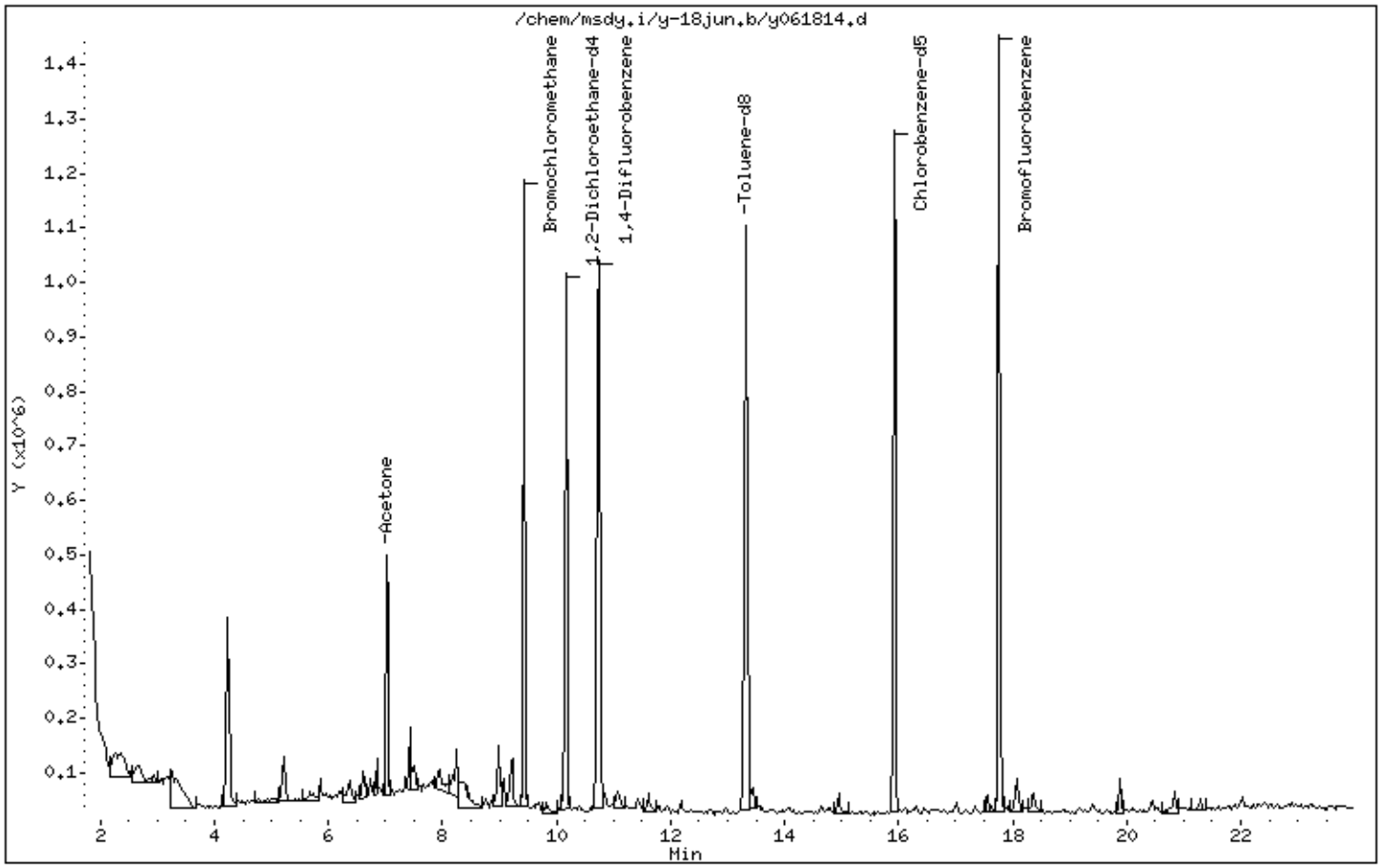
Instrument: msdy.i

Sample Info: 500mL #35174

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Data File: /chem/msdy.i/y-18jun.b/y061814.d

Date : 18-JUN-2008 17:32

Client ID:

Instrument: msdy.i

Sample Info: 500mL #35174

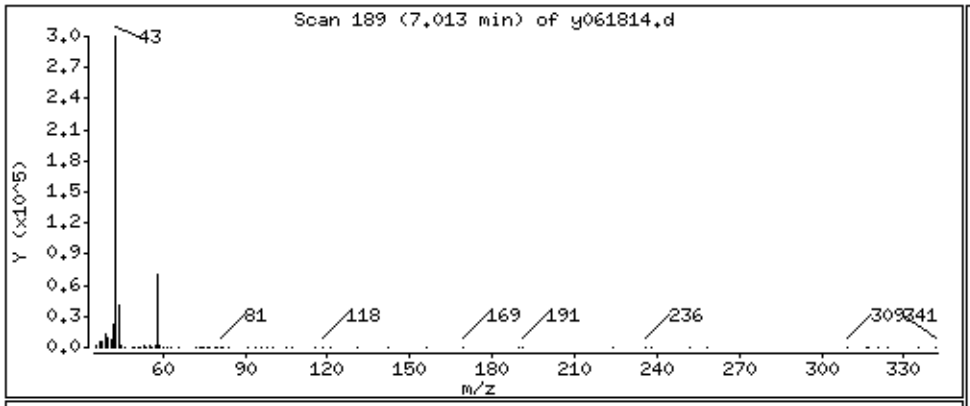
Operator: cb

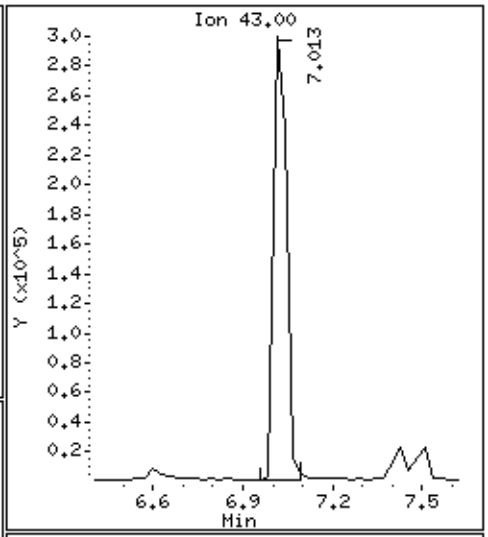
Column phase: RTx-624

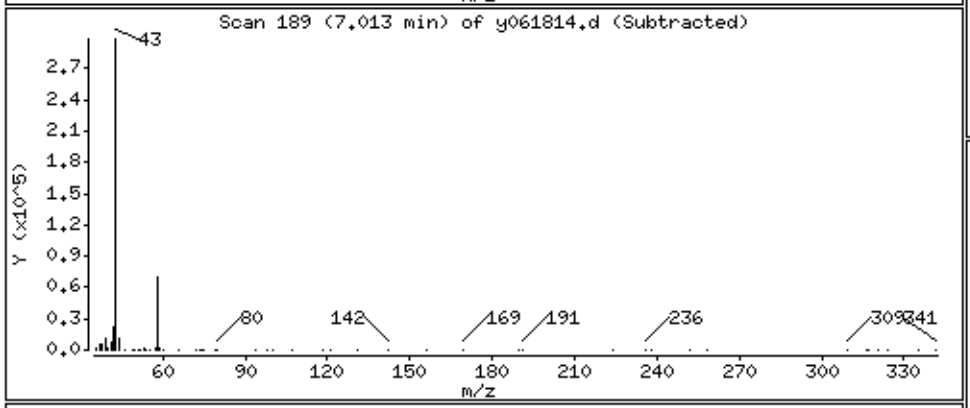
Column diameter: 0.32

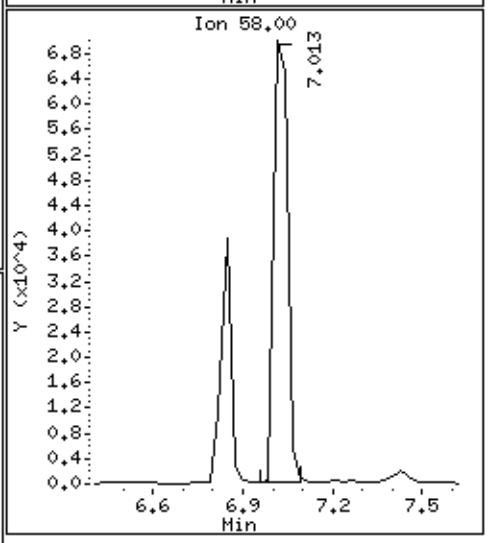
24 Acetone

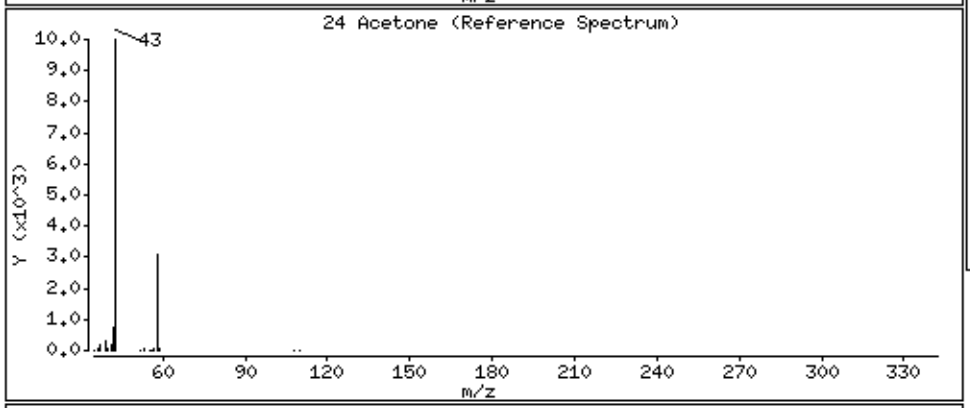
Concentration: 9.713 PPBV

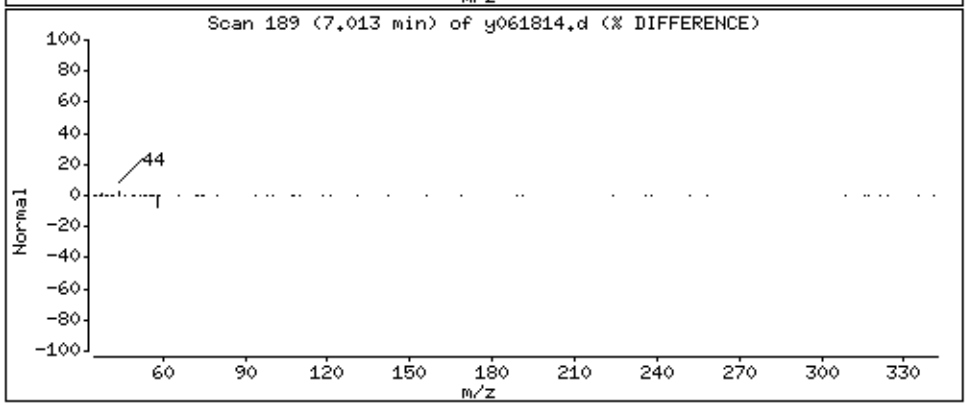












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 5

Lab ID#: 0806229-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.7	39	8.9	92
2-Butanone (Methyl Ethyl Ketone)	0.94	2.2	2.8	6.3
Ethanol	3.7	8.2	7.0	16

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 5

Lab ID#: 0806229-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061813**	**Date of Collection:**	**6/11/08**
Dil. Factor:	**1.87**	**Date of Analysis:**	**6/18/08 04:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.94	Not Detected	4.6	Not Detected
Freon 114	0.94	Not Detected	6.5	Not Detected
Vinyl Chloride	0.94	Not Detected	2.4	Not Detected
Bromomethane	0.94	Not Detected	3.6	Not Detected
Chloroethane	0.94	Not Detected	2.5	Not Detected
Freon 11	0.94	Not Detected	5.2	Not Detected
1,1-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Freon 113	0.94	Not Detected	7.2	Not Detected
Methylene Chloride	0.94	Not Detected	3.2	Not Detected
1,1-Dichloroethane	0.94	Not Detected	3.8	Not Detected
cis-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
Chloroform	0.94	Not Detected	4.6	Not Detected
1,1,1-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Carbon Tetrachloride	0.94	Not Detected	5.9	Not Detected
Benzene	0.94	Not Detected	3.0	Not Detected
1,2-Dichloroethane	0.94	Not Detected	3.8	Not Detected
Trichloroethene	0.94	Not Detected	5.0	Not Detected
1,2-Dichloropropane	0.94	Not Detected	4.3	Not Detected
cis-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
Toluene	0.94	Not Detected	3.5	Not Detected
trans-1,3-Dichloropropene	0.94	Not Detected	4.2	Not Detected
1,1,2-Trichloroethane	0.94	Not Detected	5.1	Not Detected
Tetrachloroethene	0.94	Not Detected	6.3	Not Detected
1,2-Dibromoethane (EDB)	0.94	Not Detected	7.2	Not Detected
Chlorobenzene	0.94	Not Detected	4.3	Not Detected
Ethyl Benzene	0.94	Not Detected	4.0	Not Detected
m,p-Xylene	0.94	Not Detected	4.1	Not Detected
o-Xylene	0.94	Not Detected	4.1	Not Detected
Styrene	0.94	Not Detected	4.0	Not Detected
1,1,2,2-Tetrachloroethane	0.94	Not Detected	6.4	Not Detected
1,3,5-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,2,4-Trimethylbenzene	0.94	Not Detected	4.6	Not Detected
1,3-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,4-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
alpha-Chlorotoluene	0.94	Not Detected	4.8	Not Detected
1,2-Dichlorobenzene	0.94	Not Detected	5.6	Not Detected
1,3-Butadiene	0.94	Not Detected	2.1	Not Detected
Hexane	0.94	Not Detected	3.3	Not Detected
Cyclohexane	0.94	Not Detected	3.2	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 5

Lab ID#: 0806229-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061813**	**Date of Collection: 6/11/08**	
Dil. Factor:	**1.87**	**Date of Analysis: 6/18/08 04:55 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.94	Not Detected	3.8	Not Detected
Bromodichloromethane	0.94	Not Detected	6.3	Not Detected
Dibromochloromethane	0.94	Not Detected	8.0	Not Detected
Cumene	0.94	Not Detected	4.6	Not Detected
Propylbenzene	0.94	Not Detected	4.6	Not Detected
Chloromethane	3.7	Not Detected	7.7	Not Detected
1,2,4-Trichlorobenzene	3.7	Not Detected	28	Not Detected
Hexachlorobutadiene	3.7	Not Detected	40	Not Detected
Acetone	3.7	39	8.9	92
Carbon Disulfide	0.94	Not Detected	2.9	Not Detected
2-Propanol	3.7	Not Detected	9.2	Not Detected
trans-1,2-Dichloroethene	0.94	Not Detected	3.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.94	2.2	2.8	6.3
Tetrahydrofuran	0.94	Not Detected	2.8	Not Detected
1,4-Dioxane	3.7	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.94	Not Detected	3.8	Not Detected
2-Hexanone	3.7	Not Detected	15	Not Detected
Bromoform	0.94	Not Detected	9.7	Not Detected
4-Ethyltoluene	0.94	Not Detected	4.6	Not Detected
Ethanol	3.7	8.2	7.0	16
Methyl tert-butyl ether	0.94	Not Detected	3.4	Not Detected
3-Chloropropene	3.7	Not Detected	12	Not Detected
2,2,4-Trimethylpentane	0.94	Not Detected	4.4	Not Detected
Naphthalene	3.7	Not Detected	20	Not Detected

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061813.d
Lab Smp Id: 0806229-02A
Inj Date : 18-JUN-2008 16:55
Operator : cb Inst ID: msdy.i
Smp Info : 500mL #5706
Misc Info : 8.5"Hg-5psi
Comment :
Method : /chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 24-Jun-2008 10:32 lrandolp Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1
Dil Factor: 1.87000
Integrator: HP RTE Compound Sublist: TO15QN.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
==	====== ========	====	========	=======	=======	==========	=====
* 47 Bromochloromethane						CAS #: 74-97-5	
9.446	9.446 (1.000)	130	377726	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	296547			0.00- 30.00	78.51
9.418	9.446 (1.000)	49	1382565			0.00- 30.00	366.02
* 60 1,4-Difluorobenzene						CAS #: 540-36-3	
10.745	10.718 (1.000)	114	1173344	10.0000		80.00- 120.00	100.00
10.718	10.718 (1.000)	88	200705			0.00- 46.97	17.11
* 80 Chlorobenzene-d5						CAS #: 3114-55-4	
15.916	15.916 (1.000)	117	1163606	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	680188			0.00- 30.00	58.46
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
10.165	10.165 (1.076)	65	753783	9.83014	9.830	80.00- 120.00	100.00
10.165	10.165 (1.076)	67	319384			0.00- 30.00	42.37
$ 70 Toluene-d8						CAS #: 2037-26-5	
13.317	13.317 (1.239)	98	1051247	8.76820	8.768	80.00- 120.00	100.00
13.317	13.317 (1.239)	70	130125			0.00- 41.26	12.38

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.239)	100	683140			35.90- 95.90	64.98
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	582897	9.68902	9.689	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	852438			119.36- 179.36	146.24
17.768	17.768 (1.116)	176	544503			65.76- 125.76	93.41
17 Ethanol					CAS #: 64-17-5		
6.598	6.543 (0.698)	45	206256	4.41024	8.247	80.00- 120.00	100.00
6.570	6.543 (0.696)	43	63723			0.00- 30.00	30.90
6.598	6.543 (0.698)	46	88268			0.00- 30.00	42.80
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	3477375	20.7480	38.799	80.00- 120.00	100.00
7.013	7.013 (0.742)	58	895103			0.00- 30.00	25.74
44 2-Butanone					CAS #: 78-93-3		
9.225	9.197 (0.977)	72	48514	1.15071	2.152	80.00- 120.00	100.00
9.197	9.197 (0.974)	43	444334			822.35- 882.35	915.89
9.225	9.197 (0.977)	57	23516			0.00- 30.00	48.47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061813.d
Lab Smp Id: 0806229-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 8.5"Hg-5psi

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	377726	-7.80
60 1,4-Difluorobenze	1425401	855241	1995561	1173344	-17.68
80 Chlorobenzene-d5	1386061	831637	1940485	1163606	-16.05

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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: y-18jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0806229-02A
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: TO15QN.sub
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 8.5"Hg-5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57 1,2-Dichloroethane	10.000	9.830	98.30	70-130
$ 70 Toluene-d8	10.000	8.768	87.68	70-130
$ 92 Bromofluorobenzene	10.000	9.689	96.89	70-130

Data File: /chem/msdy.i/y-18jun.b/y061813.d

Date : 18-JUN-2008 16:55

Client ID:

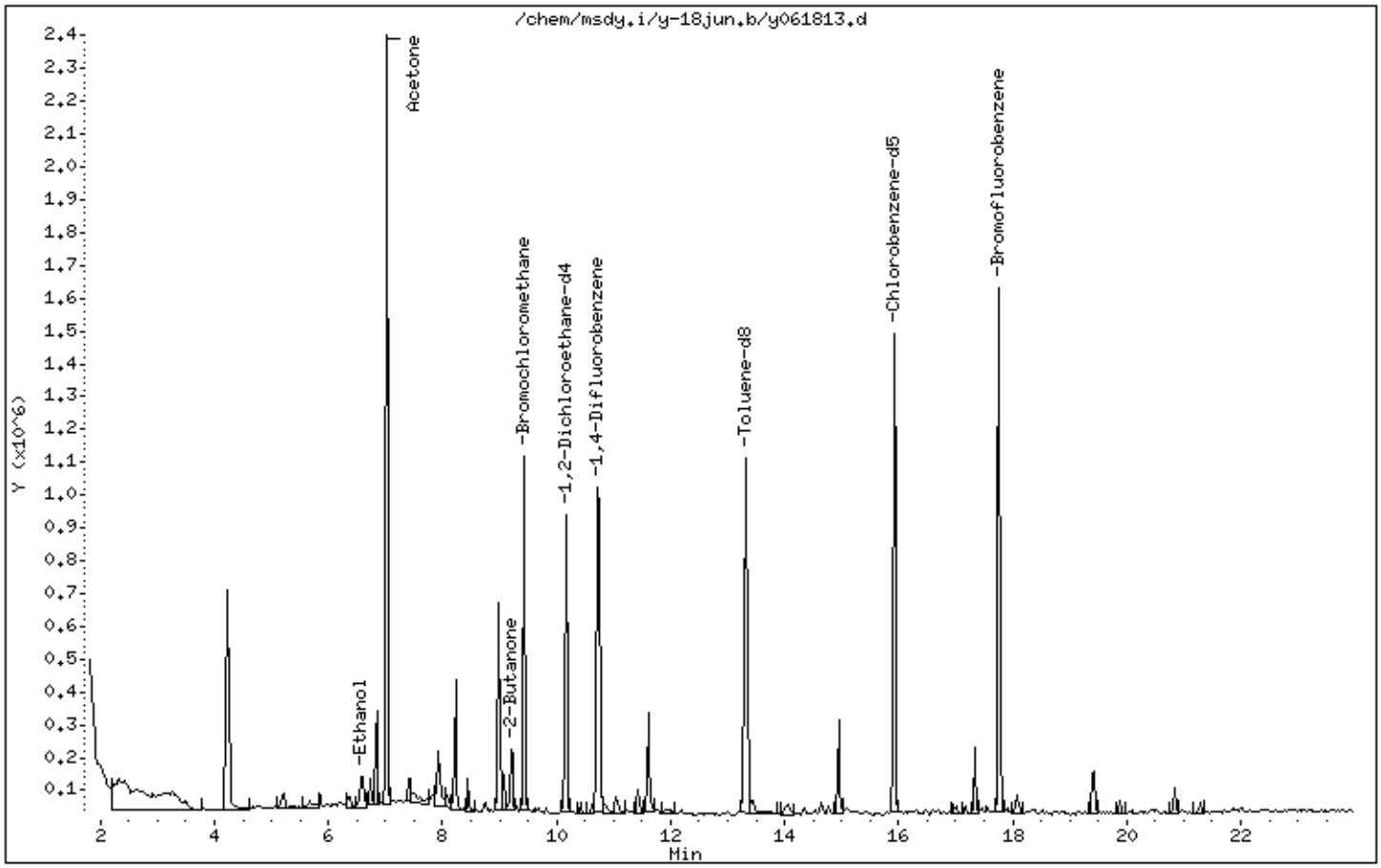
Instrument: msdy.i

Sample Info: 500mL #5706

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Data File: /chem/msdy.i/y-18jun.b/y061813.d

Date : 18-JUN-2008 16:55

Client ID:

Instrument: msdy.i

Sample Info: 500mL #5706

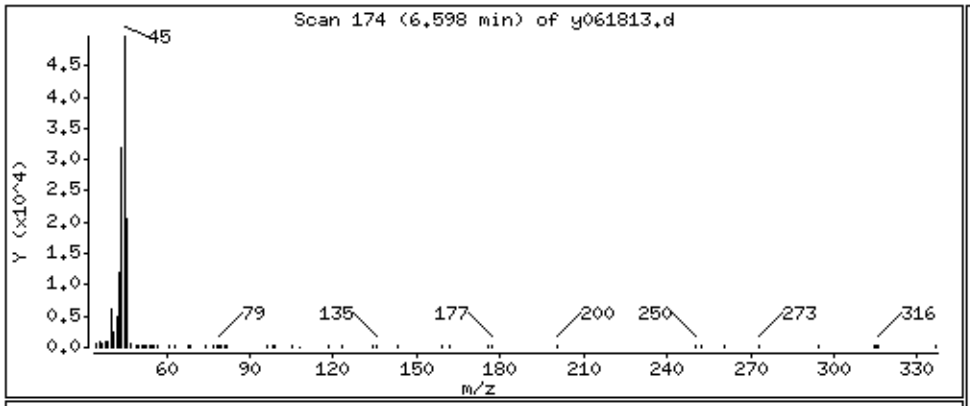
Operator: cb

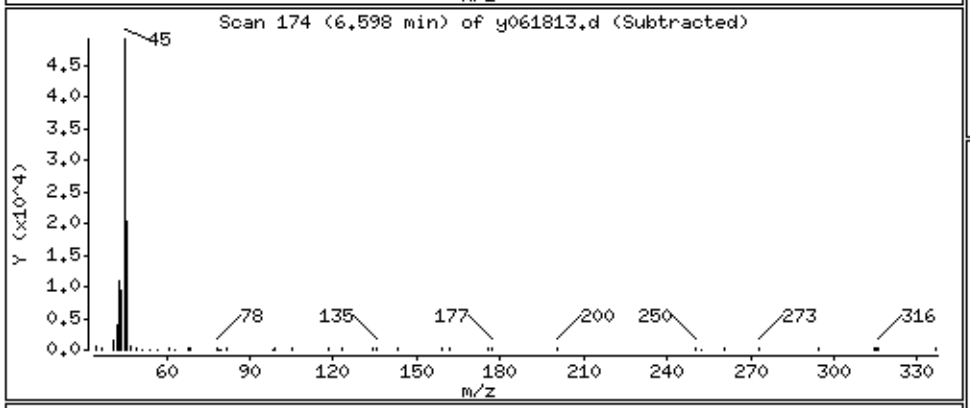
Column phase: RTx-624

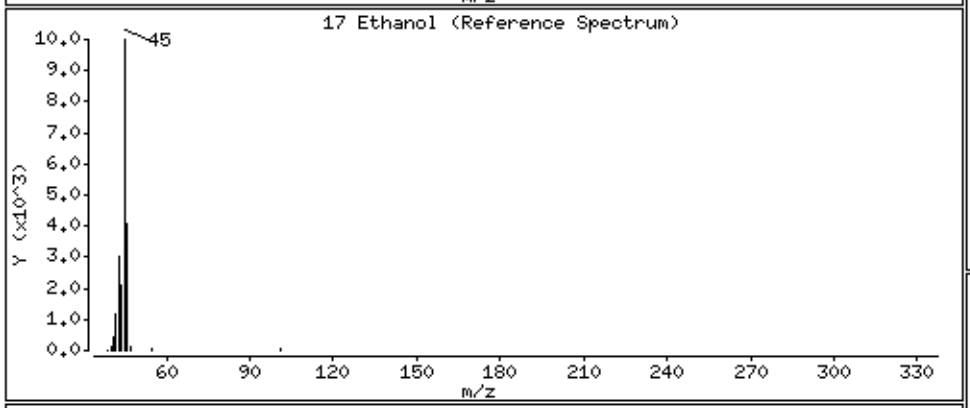
Column diameter: 0.32

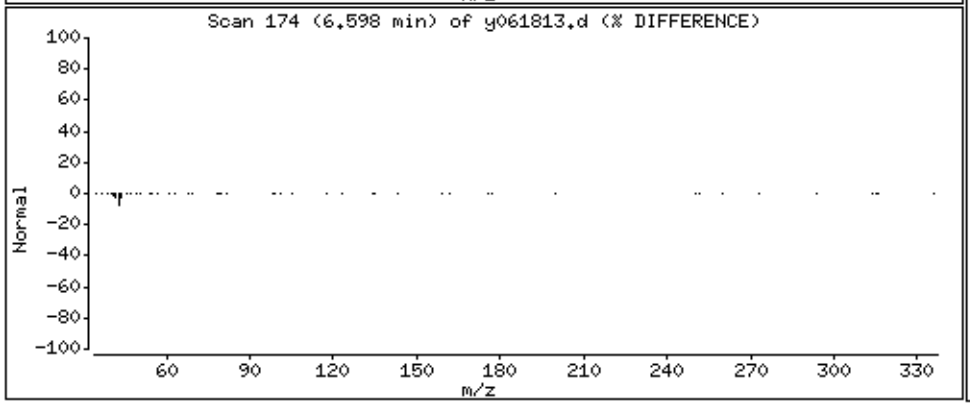
17 Ethanol

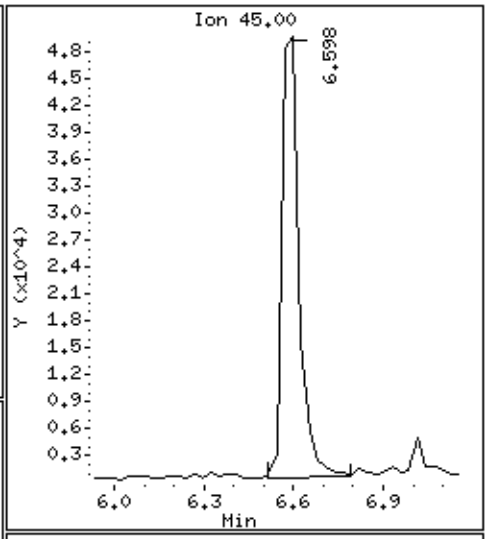
Concentration: 8.247 PPBV

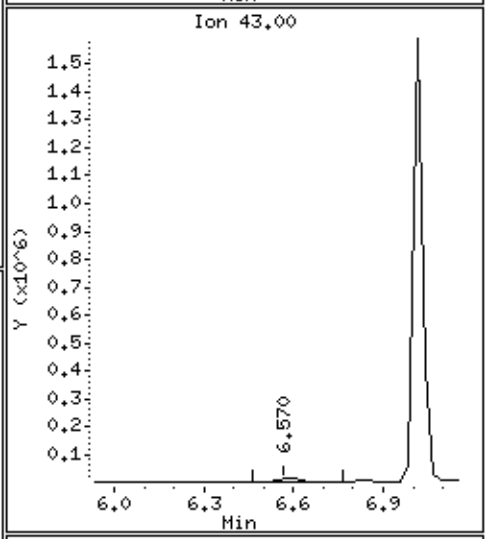


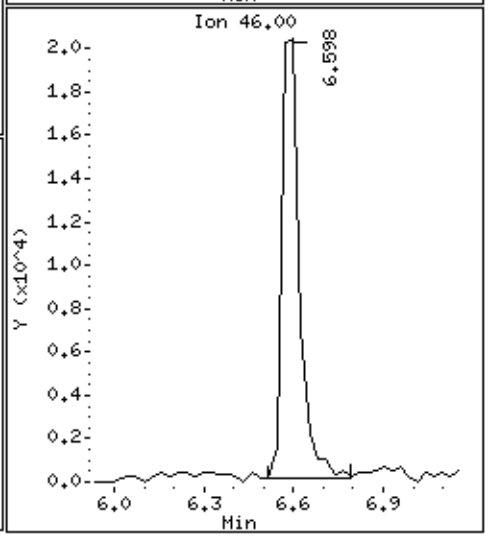












Data File: /chem/msdy.i/y-18jun.b/y061813.d

Date : 18-JUN-2008 16:55

Client ID:

Instrument: msdy.i

Sample Info: 500mL #5706

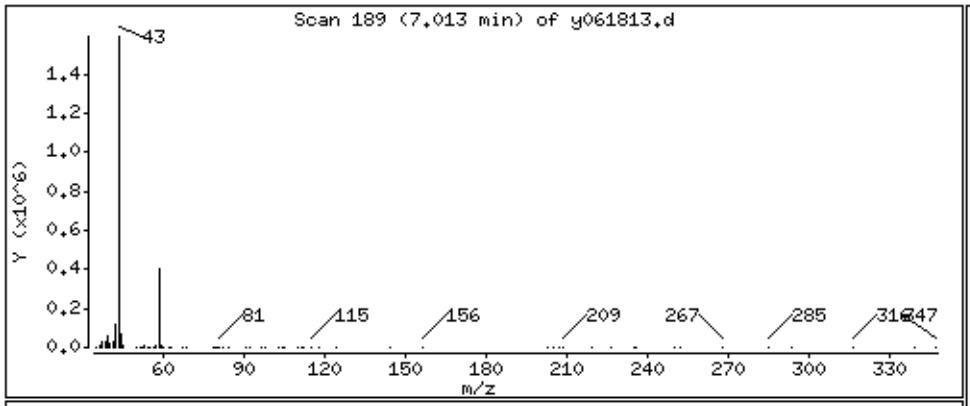
Operator: cb

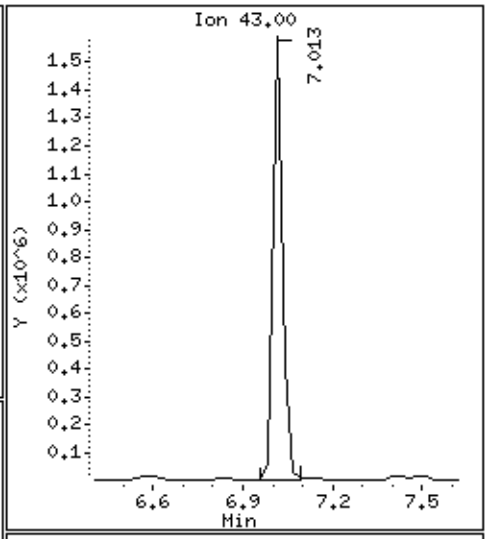
Column phase: RTx-624

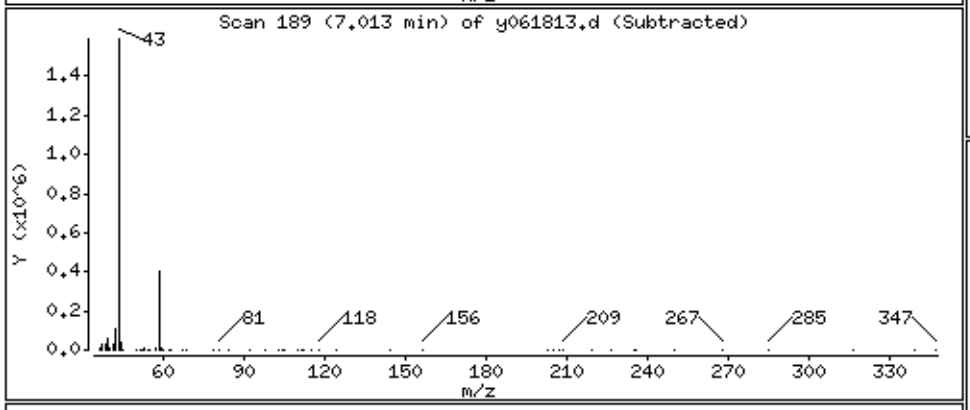
Column diameter: 0.32

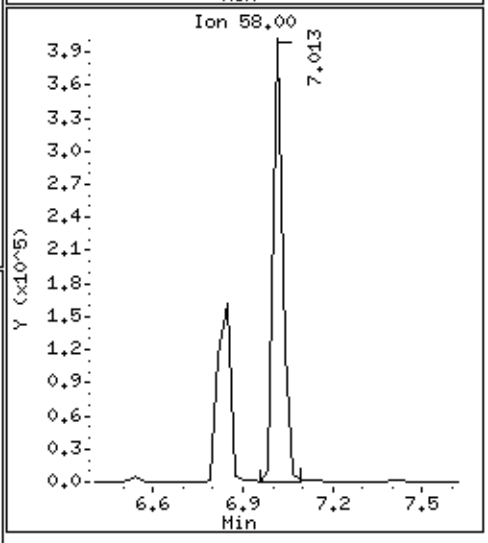
24 Acetone

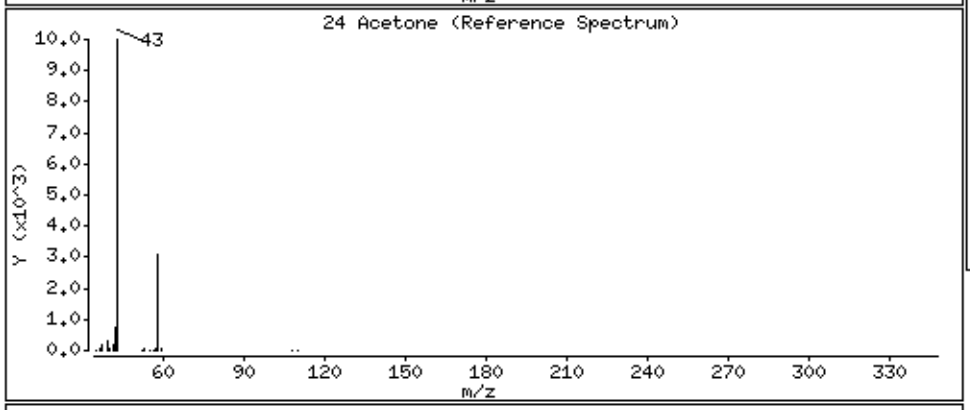
Concentration: 38.799 PPBV

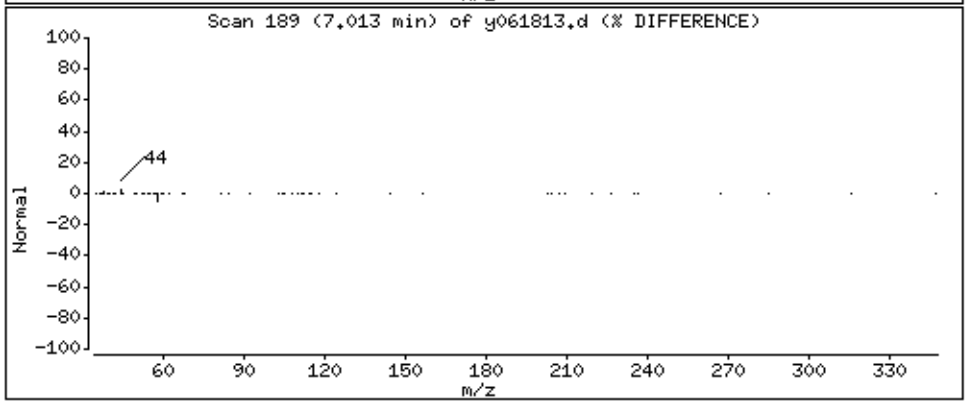












Data File: /chem/msdy.i/y-18jun.b/y061813.d

Date : 18-JUN-2008 16:55

Client ID:

Instrument: msdy.i

Sample Info: 500mL #5706

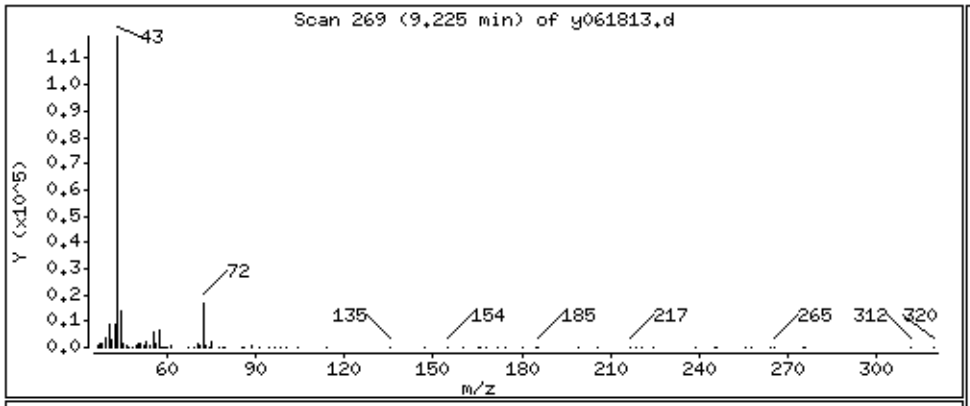
Operator: cb

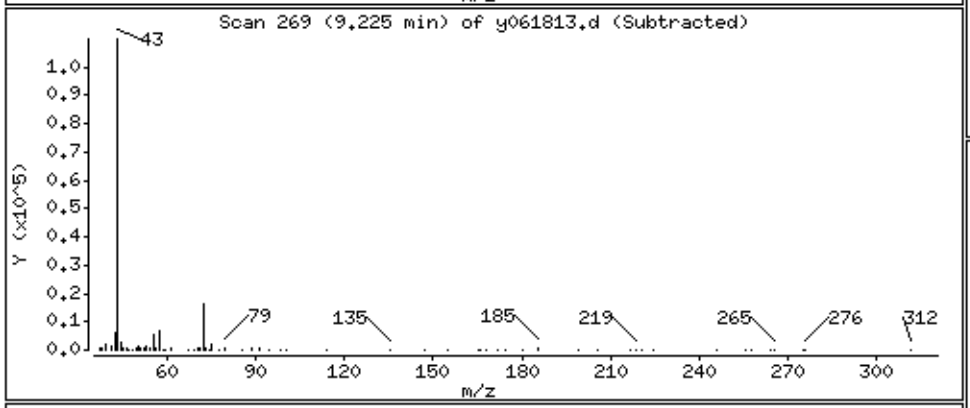
Column phase: RTx-624

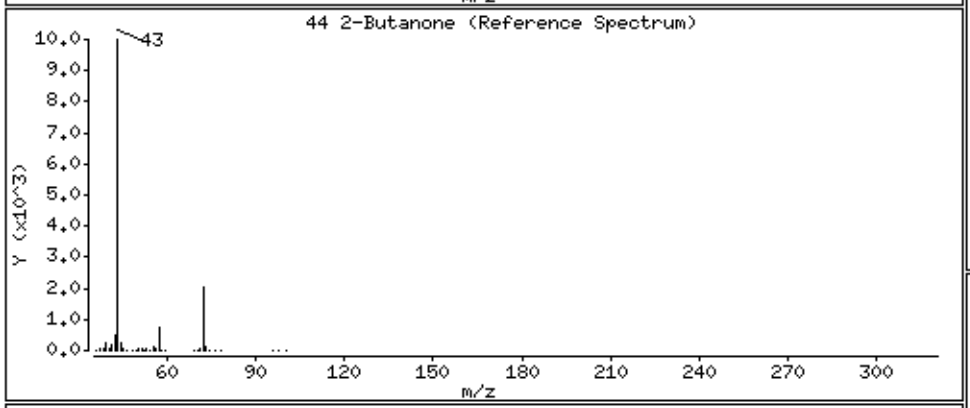
Column diameter: 0.32

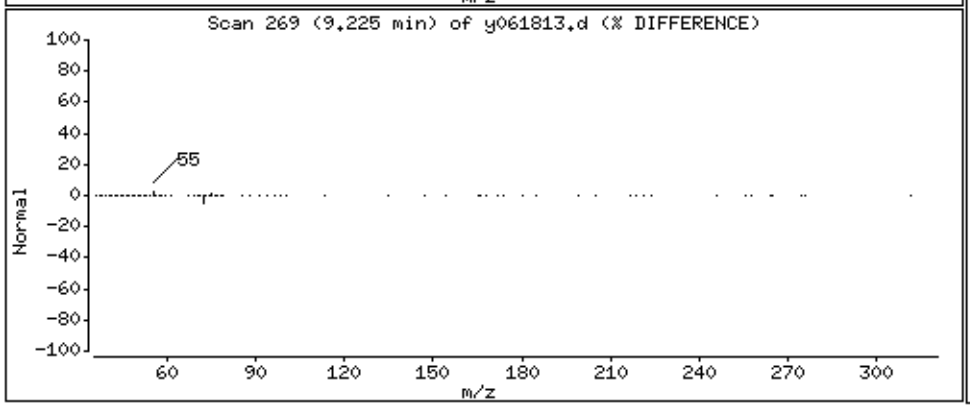
44 2-Butanone

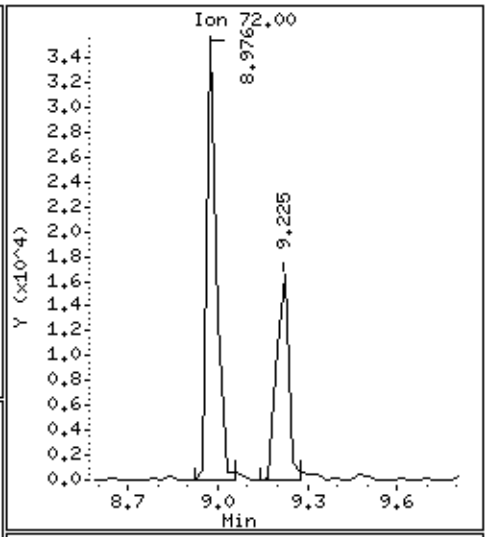
Concentration: 2.152 PPBV

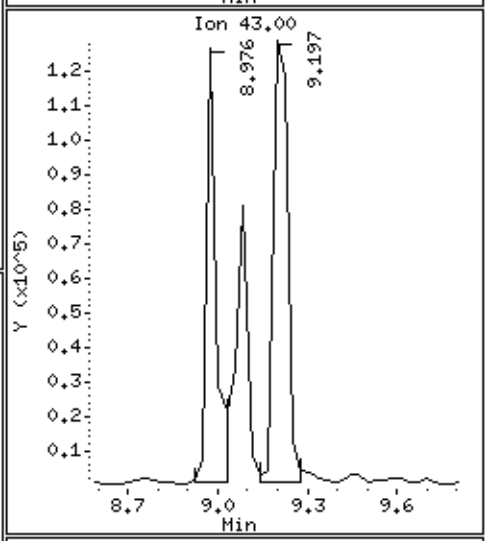


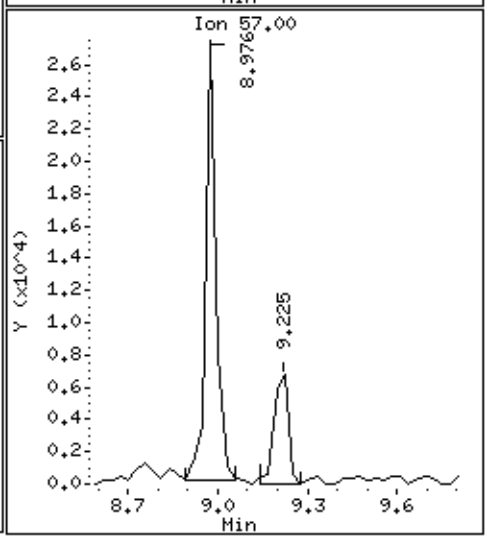












QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0806229-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 12:14 PM**	

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

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0806229-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061806**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 12:14 PM**	

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	97	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061806.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 18-JUN-2008 12:14
Operator : mlk Inst ID: msdy.i
Smp Info : 500mL #33878
Misc Info : humid
Comment :
Method : /chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 18-Jun-2008 12:35 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08Quad.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
* 47 Bromochloromethane					CAS #: 74-97-5		
9.446	9.446 (1.000)	130	343388	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	272638			0.00- 30.00	79.40
9.418	9.446 (1.000)	49	1204092			0.00- 30.00	350.65
* 60 1,4-Difluorobenzene					CAS #: 540-36-3		
10.745	10.718 (1.000)	114	1068478	10.0000		80.00- 120.00	100.00
10.745	10.718 (1.000)	88	176929			0.00- 46.97	16.56
* 80 Chlorobenzene-d5					CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1093154	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	647318			0.00- 30.00	59.22
$ 57 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	694407	9.96138	9.961	80.00- 120.00	100.00
10.165	10.165 (1.076)	67	311128			0.00- 30.00	44.80
$ 70 Toluene-d8					CAS #: 2037-26-5		
13.317	13.317 (1.239)	98	1049476	9.61254	9.612	80.00- 120.00	100.00
13.317	13.317 (1.239)	70	128582			0.00- 41.26	12.25

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.239)	100	692959			35.90- 95.90	66.03
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	548009	9.69617	9.696	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	811964			119.36- 179.36	148.17
17.768	17.768 (1.116)	176	514777			65.76- 125.76	93.94

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061806.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: humid

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	343388	-16.18
60 1,4-Difluorobenze	1425401	855241	1995561	1068478	-25.04
80 Chlorobenzene-d5	1386061	831637	1940485	1093154	-21.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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: 18-Jun-2008 12:37

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: y-18jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: mlk
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Quant Type: ISTD
Sublist File: AT08Quad.sub
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57 1,2-Dichloroethane	10.000	9.961	99.61	0-130
$ 70 Toluene-d8	10.000	9.612	96.13	0-130
$ 92 Bromofluorobenzene	10.000	9.696	96.96	0-130

Data File: /chem/msdy.i/y-18jun.b/y061806.d

Date : 18-JUN-2008 12:14

Client ID: Lab Blank

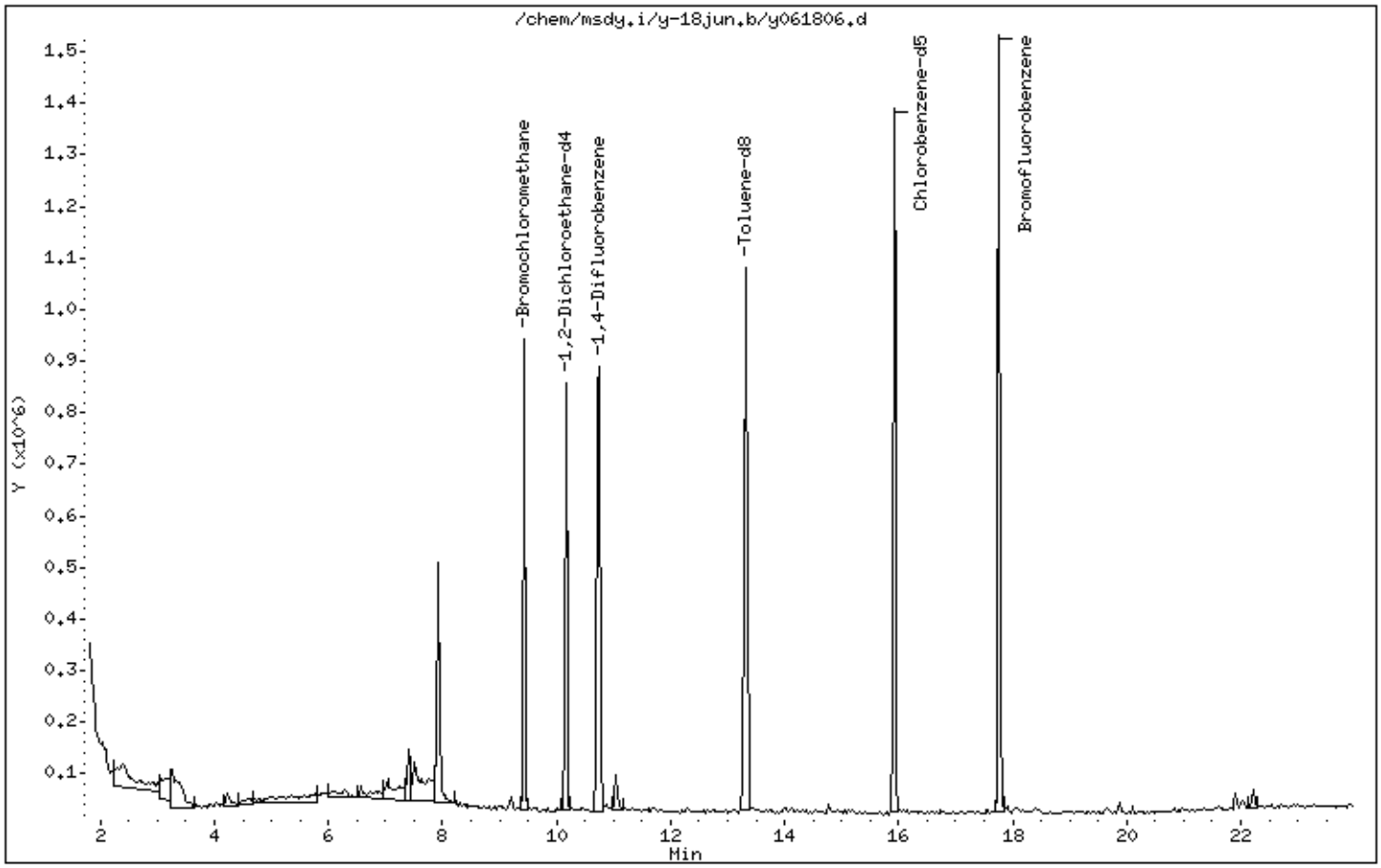
Instrument: msdy.i

Sample Info: 500mL #33878

Operator: mlk

Column phase: RTx-624

Column diameter: 0.32



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0806229

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	UW AMS 3	94		91		89				0
02	UW AMS 3 Lab Duplicate	99		88		89				0
03	DW AMS 5	98		88		97				0
04	Lab Blank	100		96		97				0
05	CCV	99		115		115				0
06	LCS	100		107		111				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: 0806229
Lab File ID: y061803.d
Date Analyzed: 06/18/2008
Instrument ID: msdy.i
Time Analyzed: 09:38 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	1386061		15.92		1425401		10.72		409666		9.45	
	UPPER LIMIT	1940485		16.25		1995561		11.05		573532		09.78	
	LOWER LIMIT	831637		15.59		855241		10.39		245800		09.12	
	CLIENT SAMPLE NO												
01	UW AMS 3	1120463		15.94		1262479		10.75		431003		9.45	
02	UW AMS 3 Lab Duplicate	1053136		15.94		1175437		10.75		407033		9.45	
03	DW AMS 5	1163606		15.92		1173344		10.75		377726		9.45	
04	Lab Blank	1093154		15.92		1068478		10.75		343388		9.45	
05	CCV	1386061		15.92		1425401		10.72		409666		9.45	
06	LCS	1544522		15.92		1656439		10.72		434012		9.45	
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd. Lab File ID: y061814.d & y061812.d

Lab Sample ID: 01A & 01AA Dilution: 1.91 & 1.91

Client Sample ID: & Date Analyzed: 6/18/08 & 6/18/08

		Original		Duplicate		
CAS Number	Compound	Amount	Flags	Amount	Flags	RPD
71-55-6	1,1,1-Trichloroethane	ND	U	ND	U	0
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ND	U	0
79-00-5	1,1,2-Trichloroethane	ND	U	ND	U	0
75-34-3	1,1-Dichloroethane	ND	U	ND	U	0
75-35-4	1,1-Dichloroethene	ND	U	ND	U	0
120-82-1	1,2,4-Trichlorobenzene	ND	U	ND	U	0
95-63-6	1,2,4-Trimethylbenzene	ND	U	ND	U	0
106-93-4	1,2-Dibromoethane (EDB)	ND	U	ND	U	0
95-50-1	1,2-Dichlorobenzene	ND	U	ND	U	0
107-06-2	1,2-Dichloroethane	ND	U	ND	U	0
78-87-5	1,2-Dichloropropane	ND	U	ND	U	0
108-67-8	1,3,5-Trimethylbenzene	ND	U	ND	U	0
106-99-0	1,3-Butadiene	ND	U	ND	U	0
541-73-1	1,3-Dichlorobenzene	ND	U	ND	U	0
106-46-7	1,4-Dichlorobenzene	ND	U	ND	U	0
123-91-1	1,4-Dioxane	ND	U	ND	U	0
540-84-1	2,2,4-Trimethylpentane	ND	U	ND	U	0
78-93-3	2-Butanone (Methyl Ethyl Ketone)	ND	U	ND	U	0
591-78-6	2-Hexanone	ND	U	ND	U	0
67-63-0	2-Propanol	ND	U	ND	U	0
107-05-1	3-Chloropropene	ND	U	ND	U	0
622-96-8	4-Ethyltoluene	ND	U	ND	U	0
108-10-1	4-Methyl-2-pentanone	ND	U	ND	U	0
67-64-1	Acetone	9.104		9.713		6.5
100-44-7	alpha-Chlorotoluene	ND	U	ND	U	0
71-43-2	Benzene	ND	U	ND	U	0
75-27-4	Bromodichloromethane	ND	U	ND	U	0
75-25-2	Bromoform	ND	U	ND	U	0
74-83-9	Bromomethane	ND	U	ND	U	0
75-15-0	Carbon Disulfide	ND	U	ND	U	0
56-23-5	Carbon Tetrachloride	ND	U	ND	U	0
108-90-7	Chlorobenzene	ND	U	ND	U	0
75-00-3	Chloroethane	ND	U	ND	U	0
67-66-3	Chloroform	ND	U	ND	U	0
74-87-3	Chloromethane	ND	U	ND	U	0
156-59-2	cis-1,2-Dichloroethene	ND	U	ND	U	0
10061-01-5	cis-1,3-Dichloropropene	ND	U	ND	U	0
98-82-8	Cumene	ND	U	ND	U	0
110-82-7	Cyclohexane	ND	U	ND	U	0
124-48-1	Dibromochloromethane	ND	U	ND	U	0
64-17-5	Ethanol	3.836		ND	U	-->200<--
100-41-4	Ethyl Benzene	ND	U	ND	U	0
75-69-4	Freon 11	ND	U	ND	U	0
76-13-1	Freon 113	ND	U	ND	U	0
76-14-2	Freon 114	ND	U	ND	U	0
75-71-8	Freon 12	ND	U	ND	U	0

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

SAMPLE RESULTS/SAMPLE RESULTS DUPLICATE

Lab Name: Air Toxics Ltd.

Lab File ID: y061814.d & y061812.d

Lab Sample ID: 01A & 01AA

Dilution: 1.91 & 1.91

Client Sample ID: &

Date Analyzed: 6/18/08 & 6/18/08

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

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

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Calibration File Names:
Level 5: /chem/msdy.i/y-24apr.b/y042429.d
Level 6: /chem/msdy.i/y-16may.b/y051603.d
Level 7: /chem/msdy.i/y-16may.b/y051604.d
Level 8: /chem/msdy.i/y-24apr.b/y042423.d
Level 9: /chem/msdy.i/y-16may.b/y051605.d
Level 10: /chem/msdy.i/y-16may.b/y051606.d
Level 11: /chem/msdy.i/y-16may.b/y051607.d

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
1 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
191 4-Chlorotoluene	+++++	0.56968	+++++	+++++	0.64950	+++++	0.62837	0.61585	6.715
2 Propylene	+++++	2.00263	1.92364	1.85148	1.83068	1.90642	1.92977	1.90743	3.219
3 Freon 152A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
4 Dichlorodifluoromethane/Fr12	4.36545	3.18063	3.44201	3.73435	3.69486	3.70159	3.76326	3.69745	9.778
5 Isobutane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 Freon 114	2.35478	1.85052	1.70554	1.95207	1.91298	1.99282	2.02847	1.97103	10.142

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	___ RRF	% RSD
	40.000 Level 11							
7 Chloromethane	3.26054	2.52541	2.70471	2.74449	2.69327	2.89656		
	3.01016						2.83359	8.604
8 Butane	+++++	0.41616	0.42276	0.47935	0.52101	0.50945		
	0.51794						0.47778	9.956
9 Vinyl Chloride	2.56269	1.97030	1.92036	2.02525	2.00364	2.10717		
	2.10222						2.09881	10.258
10 1,3-Butadiene	1.68740	1.45230	1.45465	1.84361	1.96513	2.07093		
	2.05808						1.79030	14.802
11 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
12 Bromomethane	1.00336	0.58889	0.91261	0.77903	0.74033	0.73908		
	1.01494						0.82546	19.025
13 Chloroethane	1.12201	0.67607	0.83741	0.78042	0.75518	0.80344		
	0.90999						0.84065	17.059
14 Isopentane	+++++	2.17836	2.09098	2.40531	2.32768	2.31893		
	2.13772						2.24316	5.556
15 Vinyl Bromide	+++++	1.19531	1.10697	+++++	1.43084	1.44630		
	0.59291						1.15447	30.031
16 Trichlorofluoromethane/Fr11	3.80554	3.44860	3.22717	3.84699	3.71264	3.74463		
	3.48526						3.61012	6.309

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
17 Ethanol	+++++	1.38642	1.16634	1.09467	1.30125	1.43670	1.04341	1.23813	12.976
18 1,1-Dichloroethene	1.07508	0.84165	0.59682	0.93353	0.91218	0.92496	0.61363	0.84255	20.941
19 Acrolein	+++++	0.90617	+++++	+++++	1.33831	+++++	1.25742	1.16730	19.681
20 Freon 113	2.21134	1.72592	1.43475	1.99283	1.89113	1.97078	1.43098	1.80825	16.256
21 Carbon Disulfide	5.02010	4.39478	2.67422	4.94722	4.93086	5.11443	3.10845	4.31287	23.320
22 3-Chloroprene	+++++	0.58652	0.43056	0.75123	0.78841	0.77872	0.41280	0.62470	27.780
23 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 Acetone	+++++	5.17620	3.34616	4.95507	4.88460	4.96321	3.29734	4.43710	19.598
25 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
26 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD	
27 Acetonitrile	+++++	5.59768	5.94197	+++++	3.31496	3.30904	2.34822	4.10238	38.439	
28 2-Propanol	+++++	5.45642	3.35601	3.92009	5.99705	6.55748	3.43039	4.78624	29.081	
29 Methylene Chloride	1.90233	1.48690	0.62067	1.50973	1.46777	1.50219	0.66090	1.30721	36.692	<-
30 tert-Butyl Alcohol	+++++	5.02701	4.58611	1.31360	6.25109	7.54029	6.98658	5.28411	42.521	<-
31 Acrylonitrile	+++++	2.15158	2.65378	+++++	3.21444	3.39345	3.67880	3.01841	20.285	
32 MTBE	4.81022	4.96728	3.04391	5.24917	5.19758	5.41799	5.58679	4.89613	17.506	
33 trans-1,2-Dichloroethene	1.26457	1.09218	0.53585	1.14384	1.09855	1.14434	1.09325	1.05323	22.402	
34 Hexane	6.43204	6.08942	6.15450	6.39144	6.12862	6.23772	6.35738	6.25587	2.206	
35 Vinyl Acetate	+++++	2.64665	6.50909	2.75251	3.38220	5.17308	7.21813	4.61361	42.847	<-
36 Isopropyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
37 Chloroprene	+++++	2.64705	2.51375	+++++	4.14837	4.83606	5.19278	3.86760	31.918
38 1,1-Dichloroethane	4.82074	5.17625	4.89630	5.36564	5.15258	5.31175	5.13093	5.12203	3.913
39 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
40 Ethyl-tert-Butyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
41 2,2-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
42 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
43 cis-1,2-Dichloroethene	1.31961	1.30607	1.15300	1.26705	1.26199	1.29561	1.25778	1.26587	4.352
44 2-Butanone	1.39966	0.97764	1.06205	1.03371	1.10010	1.11513	1.12476	1.11615	12.110
45 Tetrahydrofuran	+++++	4.57935	4.86437	4.89812	4.83349	5.14405	5.07288	4.89871	4.062
46 2,3-Dimethylpentane	+++++	0.28845	+++++	+++++	0.31653	+++++	0.29712	0.30070	4.783

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
48 Chloroform	3.68097	3.49886	3.65773	4.03649	3.91846	4.02291	3.89758	3.81614	5.375
49 1,1-Dichloropropene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
50 Cyclohexane	3.26690	2.88798	2.99008	3.12792	2.94123	3.00688	3.05428	3.03932	4.159
51 1,1,1-Trichloroethane	4.40054	3.37580	3.82277	3.77538	3.64357	3.82689	3.92120	3.82374	8.115
52 Carbon Tetrachloride	2.75634	2.49650	3.08695	3.18640	3.03420	3.30883	3.38671	3.03656	10.344
53 tert-Amyl Methyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
54 Thiophene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
55 2,2,4-Trimethylpentane	6.96498	5.76495	6.49316	6.64923	6.31294	6.47202	6.83314	6.49863	6.044
56 Benzene	1.70531	1.39815	1.44920	1.45673	1.43984	1.42122	1.41770	1.46973	7.199
58 1,2-Dichloroethane	0.81886	0.80526	0.82245	0.85095	0.85815	0.85385	0.85363	0.83759	2.555

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
59 Heptane	1.72069	1.68823	1.72939	1.78473	1.75204	1.74618	1.79479	1.74515	2.114
61 Trichloroethene	0.57527	0.52621	0.53278	0.55962	0.54065	0.53380	0.51860	0.54099	3.667
62 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
63 Methylcyclohexane	+++++	3.91857	3.90549	4.03596	3.80711	3.95978	4.10433	3.95521	2.640
64 1,2-Dichloropropane	0.80704	0.63932	0.75430	0.78064	0.75707	0.75548	0.76245	0.75090	7.024
65 1,4-Dioxane	0.35480	0.30195	0.36578	0.25819	0.29461	0.31804	0.34445	0.31969	11.910
66 Bromodichloromethane	0.74614	0.85964	0.89040	0.91252	0.90594	0.92061	0.93745	0.88182	7.334
67 cis-1,3-Dichloropropene	0.64087	0.64832	0.73964	0.72065	0.74353	0.75465	0.78563	0.71904	7.584
68 4-Methyl-2-pentanone	1.75529	1.79810	2.04381	1.99388	2.08855	2.17368	2.20858	2.00884	8.707
69 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	___ RRF	% RSD
	40.000 Level 11							
71 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
72 Toluene	1.60397	1.47053	1.66784	1.65372	1.60498	1.62172		
	1.67359						1.61376	4.297
73 trans-1,3-Dichloropropene	0.63702	0.65794	0.74214	0.75610	0.77177	0.82572		
	0.84709						0.74825	10.488
74 1,1,2-Trichloroethane	0.56079	0.54168	0.59719	0.59111	0.58103	0.59816		
	0.59120						0.58017	3.665
75 Tetrachloroethene	0.61083	0.60604	0.60210	0.63305	0.61202	0.61497		
	0.60206						0.61158	1.746
76 2-Hexanone	+++++	0.98894	1.09349	1.07501	1.16620	1.28633		
	1.25325						1.14387	9.894
77 Dibromochloromethane	0.58228	0.73816	0.73752	0.79761	0.81495	0.82899		
	0.83623						0.76225	11.677
78 1,2-Dibromoethane	0.74176	0.80176	0.87490	0.88024	0.87469	0.91484		
	0.91293						0.85730	7.374
79 1,1,1,2-Tetrachloroethane	+++++	0.02949	+++++	+++++	0.01919	+++++		
	0.01788						0.02219	28.655
81 Chlorobenzene	1.46637	1.37183	1.42376	1.43457	1.40019	1.42585		
	1.43878						1.42305	2.110

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	___ RRF	% RSD
	40.000 Level 11							
82 Nonane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
83 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
84 Ethyl Benzene	0.73429	0.68908	0.77147	0.79136	0.78675	0.77766		
	0.78896						0.76280	4.968
85 m,p-Xylene	0.96739	0.97236	0.98937	1.02060	1.01267	1.01307		
	1.02030						0.99939	2.277
86 o-Xylene	0.80568	0.90547	0.95546	0.93864	0.92877	0.93382		
	0.95231						0.91716	5.655
87 Styrene	1.32934	1.35383	1.53805	1.58722	1.57343	1.61463		
	1.65924						1.52225	8.480
88 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
89 Bromoform	0.50135	0.56998	0.66209	0.71296	0.73257	0.76773		
	0.78871						0.67648	15.693
90 Cumene	2.52114	2.65431	2.62539	2.75387	2.70659	2.76614		
	2.80240						2.68998	3.615
91 1,2,3-Trichloropropane	+++++	0.34202	+++++	+++++	0.42488	+++++		
	0.41148						0.39279	11.324

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
93 2-Chlorotoluene	+++++	0.50761	+++++	+++++	0.63710	+++++	0.61330	0.58600	11.763
94 1,1,2,2-Tetrachloroethane	1.30224	1.28714	1.42644	1.38014	1.39496	1.43231	1.56238	1.39794	6.582
95 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
96 Propylbenzene	3.19595	3.14440	3.46858	3.47034	3.44094	3.57057	3.27215	3.36613	4.786
97 4-Ethyltoluene	2.74505	2.78010	2.90241	3.00000	2.98331	3.07139	3.15780	2.94858	5.081
98 1,3,5-Trimethylbenzene	2.33542	2.24910	2.46697	2.43093	2.41654	2.47490	2.61232	2.42660	4.711
99 tert-Butylbenzene	+++++	2.00448	+++++	+++++	2.25234	+++++	2.15472	2.13718	5.842
100 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
101 sec-Butylbenzene	+++++	3.16346	+++++	+++++	3.64755	+++++	3.00312	3.27138	10.256
102 1,2,4-Trimethylbenzene	2.15828	2.12126	2.35825	2.37218	2.38731	2.43169	2.63114	2.35145	7.299

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
103 p-Cymene	+++++	2.38398	+++++	+++++	2.83882	+++++	2.76841	2.66374	9.191
104 1,2,3-Trimethylbenzene	+++++	0.83063	+++++	+++++	0.92427	+++++	0.89481	0.88324	5.421
105 1,3-Dichlorobenzene	1.17071	1.20109	1.30772	1.24965	1.23842	1.26629	1.36451	1.25691	5.155
106 1,4-Dichlorobenzene	1.27475	1.20458	1.30525	1.30576	1.28272	1.30096	1.40362	1.29681	4.537
107 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
108 Butylbenzene	+++++	0.61714	+++++	+++++	0.66250	+++++	0.62674	0.63546	3.762
109 alpha-chlorotoluene	1.58428	1.13758	1.56785	1.45731	1.67774	2.01178	2.44792	1.69778	24.793
110 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
111 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
112 1,2-Dichlorobenzene	1.30461	1.07399	1.26889	1.19236	1.19069	1.21834	1.30575	1.22209	6.666

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Cal Date : 03-Jun-2008 09:38 mkisling
Curve Type : Average

Compound	0.10000 Level 5	0.50000 Level 6	2.000 Level 7	5.000 Level 8	10.000 Level 9	20.000 Level 10	40.000 Level 11	___ RRF	% RSD
113 1,2-Dibromo-3-chloropropane	+++++	0.38750	+++++	+++++	0.52932	+++++	0.55626	0.49102	18.464
114 1,2,4-Trichlorobenzene	+++++	0.94303	0.93778	0.92843	0.95783	0.97598	1.06994	0.96883	5.394
115 Hexachlorobutadiene	+++++	0.76677	0.81262	0.77387	0.78915	0.79190	0.83397	0.79471	3.141
116 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
117 Naphthalene	+++++	1.93429	1.96418	1.91428	2.01422	2.13615	2.49954	2.07711	10.669
$ 57 1,2-Dichloroethane-d4	1.98091	1.99618	1.98425	2.02757	2.01044	2.09980	2.11130	2.03006	2.662
$ 70 Toluene-d8	1.00545	0.99531	1.03931	1.02317	1.02594	1.01817	1.04529	1.02181	1.723
$ 92 Bromofluorobenzene	0.50910	0.51529	0.52178	0.51903	0.51353	0.50390	0.53650	0.51702	2.022

Calibration History

Method : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Start Cal Date: 24-APR-2008 18:02
End Cal Date : 16-MAY-2008 13:05

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 5 , Cal Amount: 0.10000		
25-APR-2008 10:31	Level#1	/chem/msdy.i/y-24apr.b/y042429.d
Cal Level: 6 , Cal Amount: 0.50000		
16-MAY-2008 10:11	sp4c	/chem/msdy.i/y-16may.b/y051603.d
08-MAY-2008 11:40	sp4b	/chem/msdy.i/y-08may.b/y050805.d
25-APR-2008 13:38	sp3d	/chem/msdy.i/y-25apr.b/y042504a.d
25-APR-2008 13:38	sp8b	/chem/msdy.i/y-25apr.b/y042504.d
24-APR-2008 19:21	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042421.d
Cal Level: 7 , Cal Amount: 2.00000		
16-MAY-2008 10:59	sp4c	/chem/msdy.i/y-16may.b/y051604.d
24-APR-2008 19:59	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042422.d
Cal Level: 8 , Cal Amount: 5.00000		
24-APR-2008 20:28	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042423.d
Cal Level: 9 , Cal Amount: 10.00000		
16-MAY-2008 11:38	sp4c	/chem/msdy.i/y-16may.b/y051605.d
08-MAY-2008 12:23	sp4b	/chem/msdy.i/y-08may.b/y050806.d
25-APR-2008 14:14	sp3d	/chem/msdy.i/y-25apr.b/y042505c.d
25-APR-2008 14:14	sp8b	/chem/msdy.i/y-25apr.b/y042505.d
24-APR-2008 21:37	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042424.d
Cal Level: 10, Cal Amount: 20.00000		
16-MAY-2008 12:19	sp4c	/chem/msdy.i/y-16may.b/y051606.d
24-APR-2008 22:25	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042425.d

Cal Level: 11, Cal Amount: 40.00000		
16-MAY-2008 13:05	sp4c	/chem/msdy.i/y-16may.b/y051607.d
08-MAY-2008 13:02	sp4b	/chem/msdy.i/y-08may.b/y050807.d
25-APR-2008 14:56	sp3d	/chem/msdy.i/y-25apr.b/y042506a.d
25-APR-2008 14:56	sp8b	/chem/msdy.i/y-25apr.b/y042506.d
24-APR-2008 23:20	Hilocurve+Ensr	/chem/msdy.i/y-24apr.b/y042426.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 9

Ccal Level: 9 , Ccal Amount: 10.000		
25-APR-2008 14:14	sp3d	/chem/msdy.i/y-25apr.b/y042505c.d

Initial Calibration Narrative

An initial calibration curve was analyzed on 04/24/08 on MSD-Y. The instrument was set up to do Full Scan only.

Calibration Level 5 (0.1 ppbv) was re-analyzed due to anomalous unacceptable linearity for Methylene Chloride.

@ Air Toxics Ltd.

MSD-Y

Logbook #: 1630

0063

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	33.88
75	30.0 – 60.0% of mass 95	49.16
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.58
173	Less than 2.0% of mass 174	(1.16)[1]
174	Greater than 50.0% of mass 95	58.70
175	5.0 – 9.0% of mass 174	(7.63)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.56)[1]
177	5.0 – 9.0% of mass 176	(6.17)[2]

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

Verify 176/174 m/z Ratio: 701120/733696 x100% = 95.56%

BFB Injection Date: 4/24/08
BFB Injection Time: 1559
BFB File ID: Y042417
Tekmar Purge Flow: 5
Vacuum: 2 @ 9.25-07

IS/S Std.#: 1541-100	Exp. Date: 7-3-08
BCM	4211x
1,4-DFB	1450663
CB-d5	1871386

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

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\quad)}{(\quad)} \times \frac{(\text{ST } 4\text{-}25\text{-}08)}{(\quad)} =$ _____

Reported Result

File ID:
Compound:
Initials:

	Use	File # (SE 4/24/08)	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	Y042417	BFB Tune Check	406-281	50psig	2mL	1.00	4-24-08	1559	SE/BS	
2		18	System Blank	Dry	—	500mL			1628	CB/BS	
3	X	19	ICAL Level 4	1541-129	0.05ppbv	500mL			1728	SE	
4	X	20	5	1541-128	2ppbv - 0.1ppbv	25mL			1802		
5	✓	21	6	↓	2ppbv 0.5ppbv	125mL			1921		
6	✓	22	7	↓	2ppbv	500mL			1959		
7	✓	23	8	1541-95	50ppbv - 5ppbv	50mL			2039		
8	✓	24	9	↓	50ppbv - 10ppbv	100mL			2139		
9	✓	25	10	↓	50ppbv - 20ppbv	200mL	↓	↓	2225	↓	

Signature

4-25-08
Date

@ Air Toxics Ltd.

MSD-Y

Logbook #: 1630

1900

10	✓	Y0424261	ICAL Level 1	1541-95	50ppb→40ppb	400mL	1.00	4-24-08	2320	BJ	
11	✓	27	System Blank	34034	Fluid	500mL		4-25-08	0734	↓	
12	✓	28	↓	↓	↓	↓		↓			
13	✓	29	ICAL Level 5 #	1541-128	20ppb→0.1ppb	25mL			1031	BJ	
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											

Comments:

Flow Cont # : FP4803002

dist Flow meter : 2mL-77M Rpl: 8/08

25mL/min → 23.6mL/min

50mL/min → 48.0mL/min

Signature

4-25-08

Date

@ Air Toxics Ltd.

MSD-Y

Logbook #: 1630

00550

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	32.09
75	30.0 – 60.0% of mass 95	47.84
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.15
173	Less than 2.0% of mass 174	(0.94)[1]
174	Greater than 50.0% of mass 95	61.78
175	5.0 – 9.0% of mass 174	(7.18)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(97.23)[1]
177	5.0 – 9.0% of mass 176	(6.24)[2]

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

BFB Injection Date: 4-25-08

BFB Injection Time: 1124

BFB File ID: Y042501

Tekmar Purge Flow: SE 4/25/08

Vacuum:

IS/S Std.#:	1541-100	Exp. Date: 7-3-08
BCM	461682	
1,4-DFB	2148935	
CB-d5	2052086	

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

Verify 176/174 m/z Ratio: 1019520/1048576 X100% = 97.23%

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(2174350)}{(2148935)} \times \frac{(10.0)}{(1.02181)} = 9.90230$

File ID:	Y042502
Compound:	toluene-d8
Initials:	SE

Reported Result 9.902

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	Y042501	BFB Tune check	1476-281	50 ng	2 mL	1.0	4-25-08	1124	SE 1B5	APEx +1
2	✓	02	CCV#1541-95	50ppbv	10ppbv	100mL			1147	SE 1B5	
3	✓	03	LCS#1576-247A	25ppbv	10ppbv	250mL			1242	SE 1B5	ICAL LCS
4	✓	04	ICAL Level #6 #1076-315		50ppbv=0.5ppbv	5.0mL			1338	1B5	
5	✓	05	" #1576-315	9	5ppbv=50ppbv	100mL			1414	1B5	CCV
6	✓	06	" #1576-315	11	5ppbv-50ppbv	400mL			1456	1B5	
7	✓	07	System Blank	Dry	—	500mL			1546	SE	
8	X	08	Lab Blank	5387	Humid	500 mL			1632	CB1	
9	X	09	↓	↓	↓	↓	↓	↓	1723	CB1	

Signature

4/25/08
Date

@ Air Toxics Ltd.

MSD-Y

Logbook #: 1630

9000

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	38.33
75	30.0 – 60.0% of mass 95	46.29
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.64
173	Less than 2.0% of mass 174	(1.05)[1]
174	Greater than 50.0% of mass 95	71.65
175	5.0 – 9.0% of mass 174	(7.58)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.13)[1]
177	5.0 – 9.0% of mass 176	(6.75)[2]

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

BFB Injection Date: 5-8-08
BFB Injection Time: 0917
BFB File ID: Y050802
Tekmar Purge Flow: 5/8/08
Vacuum:

IS/S Std.#: 1541-100	Exp. Date: 7-3-08
BCM 319265	
1,4-DFB 1319452	
CB-d5 1229851	

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

Verify 176/174 m/z Ratio: 56512/59424 X100% = 96.13%

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}}$ = $\frac{(\ 144103\ )}{(\ 1319452\ )} \times \frac{(\ 10.0\ )}{(\ 1.02181\ )}$ = 10.689

File ID:	Y050803
Compound:	Toluene-d8
Initials:	SE

Reported Result 10.689

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	Y050802	BFB Tune Check	1476-280	50nS	2mL	1.0	5-8-08	0917	SE | BS	APEX+1 (1)
2	✓	03	CCV#1541-95	50ppbv	10ppbv	100mL			0950	SE | BS	
3	✓	04	LCS#1541-52	1	1	1			1038	SE | BS	
4	✓	05	ICAL Level 6	1576-31A	100ppbv 50ppbv	2.5mL			1140	SE | BS	
5	✓	06	ICAL level 5 #1576-39A	100ppbv	10ppbv	50mL			1223	SE | BS	
6	✓	07	ICAL level 4	↓	40ppbv	250mL			1302	SE | BS	
7	✓	08	System Blank	Dry	—	500mL			1402	SE	
8	X	09	Lab Blank	33578	Humid				1517	CB1 —	
9	✓	10		34034	↓	↓	↓	↓	1612	CB1 BS	

5/8/08

@ Air Toxics Ltd.

MSD-Y

Logbook #: 1630

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	39.65
75	30.0 – 60.0% of mass 95	48.05
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	7.23
173	Less than 2.0% of mass 174	(0.63)[1]
174	Greater than 50.0% of mass 95	64.39
175	5.0 – 9.0% of mass 174	(6.97)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.24)[1]
177	5.0 – 9.0% of mass 176	(6.63)[2]

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

Verify 176/174 m/z Ratio: 808768/849216 x 100% = 95.24%

SE 5.16.08

BFB Injection Date: 0824 5-16-08

BFB Injection Time: 0821

BFB File ID: Y051601

Tekmar Purge Flow: 30.8 mL/min

Vacuum: 6.92 x10^6

IS/S Std.#:	1541-100	Exp. Date: 7-3-08
BCM	355674	
1,4-DFB	123201	
CB-d5	115'110	

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

0900

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 1259182\ )}{(\ 1232011\ )} \times \frac{(\ 10.0\ )}{(\ 1.02181\ )} = 10.002$

File ID:	Y051605
Compound:	Toluene-d8
Initials:	SE

Reported Result 10.002

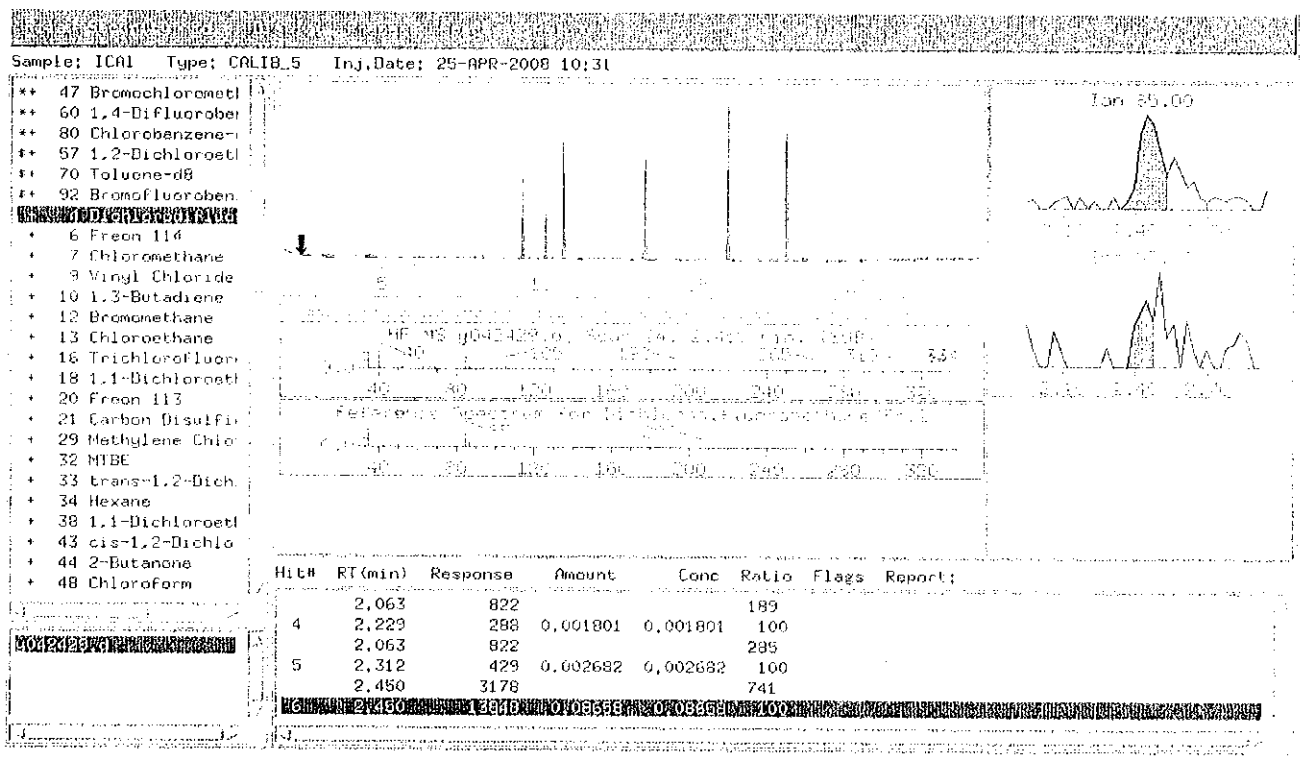
	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	Y051601	BFB Tune Check	1476-881	50ng	2µL	1.0	5-16-08	0821	SE	APEX+1
2	✓	Sys 5.16.08 02	System Blank	Dry	—	500mL			0912	SE	
3	✓	03	ICAL Level 6	1541-174	2.0ppbv_0.5ppbv	125mL			1011	SE/RD	Haverhill ICAL
4	✓	04	7	↓	2.0ppbv	500mL			1059	SE/RD	
5	✓	05	9	1541-173	10ppbv	100mL			1138	SE/RD	
6	✓	06	10	↓	20ppbv	200mL			1219	SE/RD	
7	✓	07	11	1541-173	40ppbv	200mL			1305	SE/RD	
8	✓	08	Lab Blank	33878	Humid	500mL			1356	SE/RD	
9	✓	09	MDL #81	1541-174	2.0ppbv_0.5ppbv	125mL	y	✓	1441	SE	

Sam Lane
Signature

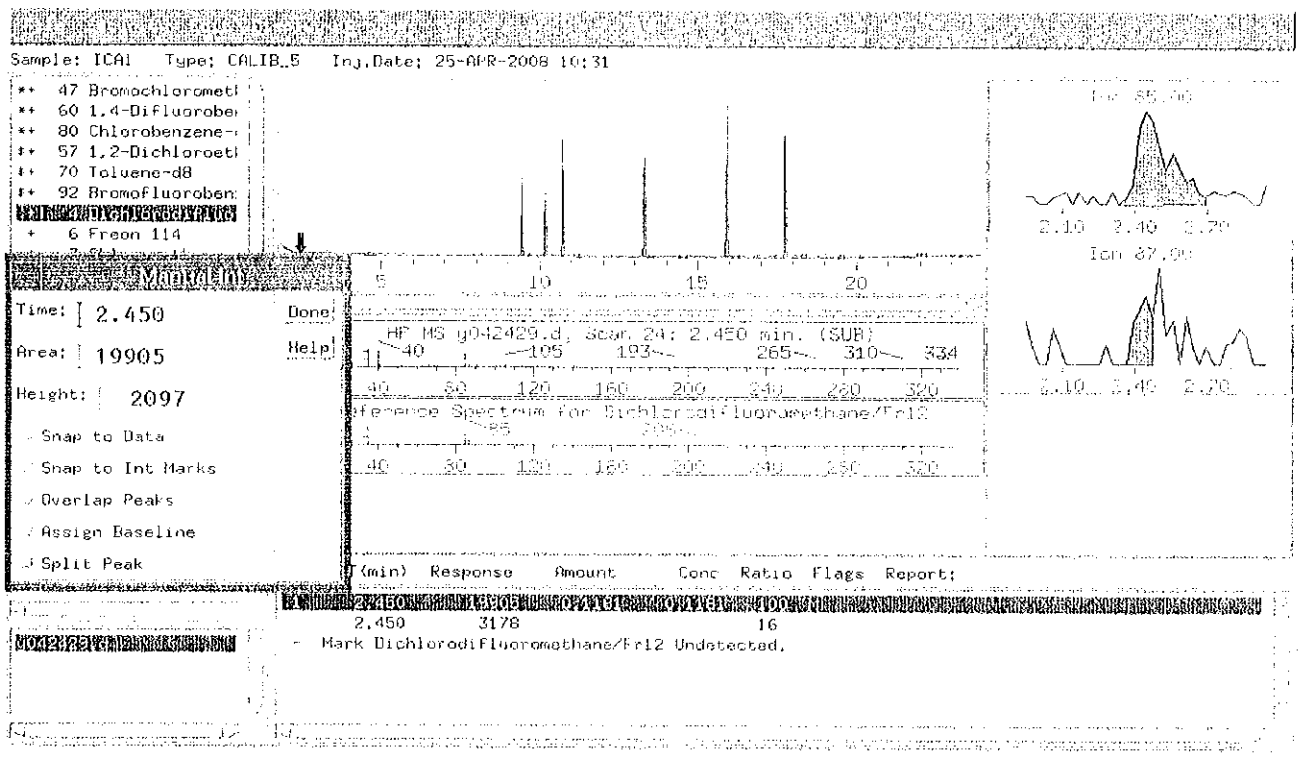
5/16/08
Date

60 4-25-08

Before



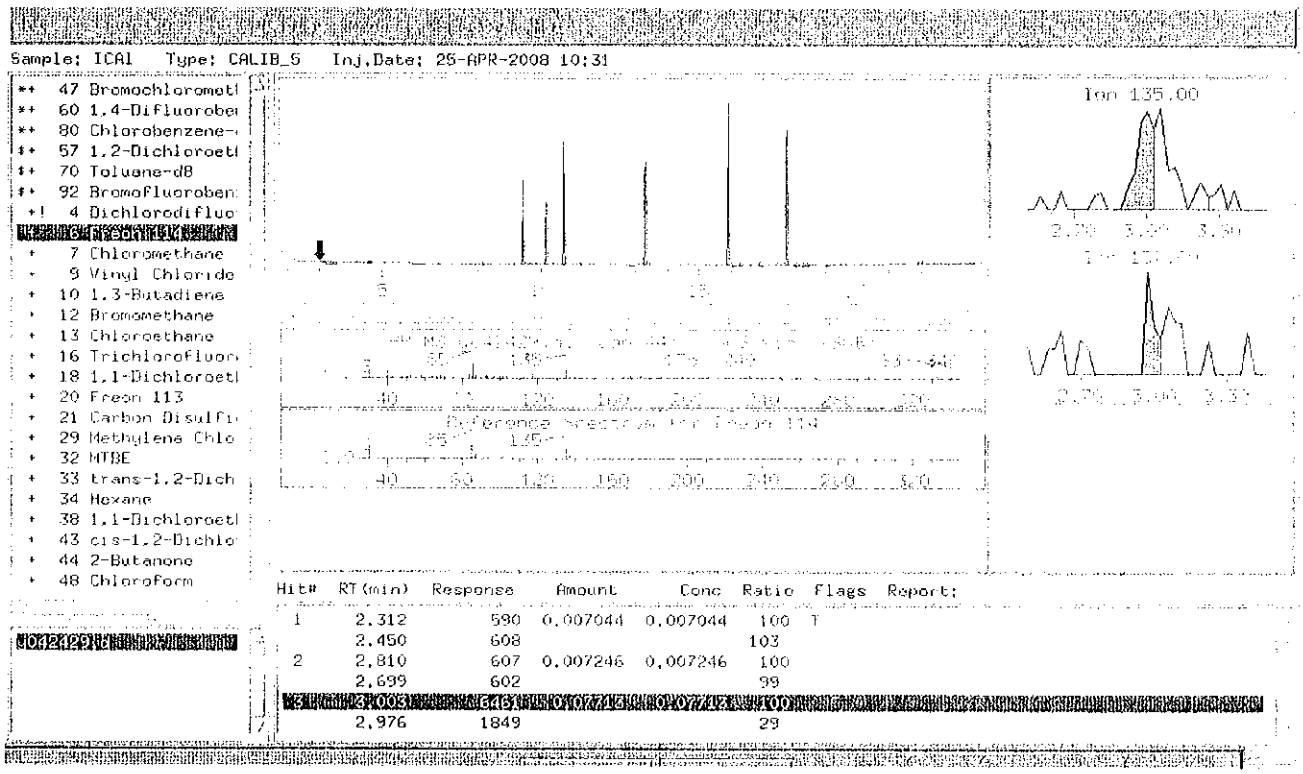
KS 4-25-08
After



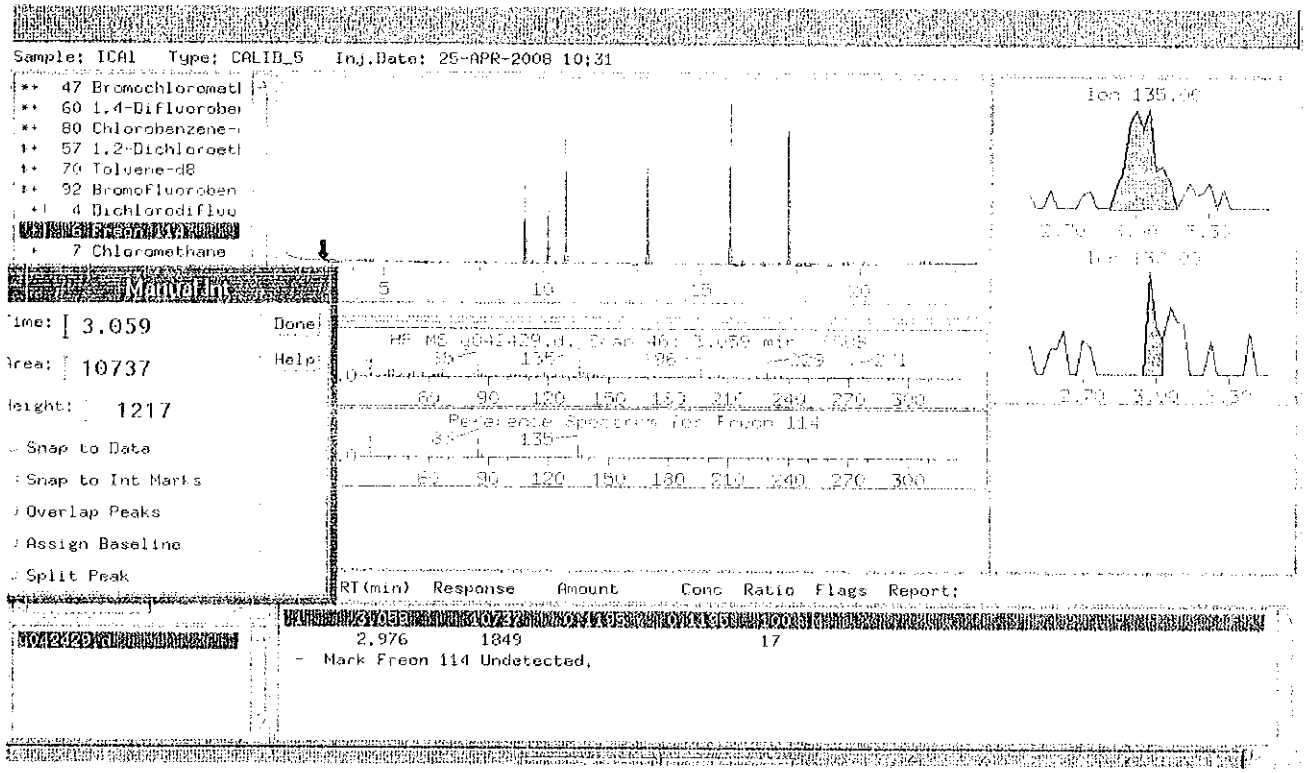
TOS
4-25-08

KB 4-25-8

Before



4-25-08
After



TOS
4-25-08

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042503.d
Lab Smp Id: LCS Client Smp ID: LCS
Inj Date : 25-APR-2008 12:42
Operator : se Inst ID: msdy.i
Smp Info : 200mL #1576-247A;LCS;LCS
Misc Info : 25ppbv -> 10ppbv
Comment :
Method : /var/chem/msdy.i/y-25apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 12:02 seze Quant Type: ISTD
Cal Date : 25-APR-2008 10:31 Cal File: y042429.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.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
==	====== ========	====	========	=======	=======	==========	=====
* 47 Bromochloromethane					CAS #: 74-97-5		
9.446	9.446 (1.000)	130	468523	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	360976			0.00- 30.00	77.05
9.418	9.418 (1.000)	49	1532346			0.00- 30.00	327.06
* 60 1,4-Difluorobenzene					CAS #: 540-36-3		
10.718	10.718 (1.000)	114	2111571	10.0000		80.00- 120.00	100.00
10.718	10.718 (1.000)	88	372433			0.00- 47.32	17.64
* 80 Chlorobenzene-d5					CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	2010951	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	1252635			0.00- 30.00	62.29
$ 57 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	930549	9.78360	9.784	80.00- 120.00	100.00
10.165	10.165 (1.076)	67	445262			0.00- 30.00	47.85
$ 70 Toluene-d8					CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	2169776	10.0564	10.056	80.00- 120.00	100.00
13.317	13.317 (1.242)	70	252828			0.00- 41.62	11.65

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1470676			38.08- 98.08	67.78
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	1027161	9.87941	9.879	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	1744859			140.54- 200.54	169.87
17.768	17.768 (1.116)	176	990350			67.04- 127.04	96.42
2 Propylene					CAS #: 115-07-1		
2.285	2.285 (0.242)	41	867870	9.71123	9.711	80.00- 120.00	100.00
2.285	2.285 (0.242)	42	610367			0.00- 30.00	70.33
2.285	2.285 (0.242)	39	592622			0.00- 30.00	68.28
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	1628369	9.39983	9.400	80.00- 120.00	100.00
2.450	2.450 (0.259)	87	515137			3.06- 63.06	31.64
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	847526	9.17761	9.178	80.00- 120.00	100.00
3.031	3.031 (0.321)	137	278175			0.00- 30.00	32.82
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	1244636	9.37507	9.375	80.00- 120.00	100.00
3.169	3.169 (0.336)	52	380818			0.00- 30.00	30.60
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	919411	9.34989	9.350	80.00- 120.00	100.00
3.639	3.639 (0.385)	64	248736			0.00- 57.53	27.05
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	850887	10.1441	10.144	80.00- 120.00	100.00
3.778	3.778 (0.400)	39	765087			0.00- 30.00	89.92
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	353596	9.14280	9.143	80.00- 120.00	100.00
4.745	4.745 (0.502)	96	323973			59.74- 119.74	91.62
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	338275	8.58866	8.589	80.00- 120.00	100.00
5.105	5.105 (0.540)	66	91833			0.00- 30.00	27.15
5.105	5.105 (0.540)	49	126216			0.00- 30.00	37.31
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	1677995	9.92061	9.921	80.00- 120.00	100.00
5.685	5.685 (0.602)	103	1071821			33.38- 93.38	63.88

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
17 Ethanol					CAS #: 64-17-5		
6.543	6.543 (0.693)	45	464861	8.01355	8.014	80.00- 120.00	100.00
6.543	6.543 (0.693)	43	92310			0.00- 30.00	19.86
6.543	6.543 (0.693)	46	207160			0.00- 30.00	44.56
20 Freon 113					CAS #: 76-13-1		
6.791	6.791 (0.719)	151	978527	11.5501	11.550	80.00- 120.00	100.00
6.791	6.791 (0.719)	153	608242			32.78- 92.78	62.16
6.764	6.764 (0.716)	101	1410665			0.00- 30.00	144.16
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	469898	11.9036	11.904	80.00- 120.00	100.00
6.736	6.736 (0.713)	61	1978106			0.00- 30.00	420.96
6.736	6.736 (0.713)	96	737010			0.00- 30.00	156.84
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	2203844	10.6011	10.601	80.00- 120.00	100.00
7.013	7.013 (0.742)	58	700755			0.00- 30.00	31.80
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	2624674	11.7044	11.704	80.00- 120.00	100.00
7.372	7.372 (0.780)	43	455186			0.00- 30.00	17.34
7.372	7.372 (0.780)	59	93970			0.00- 30.00	3.58
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	2223738	11.0049	11.005	80.00- 120.00	100.00
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	724785	11.8340	11.834	80.00- 120.00	100.00
7.621	7.621 (0.807)	49	1922785			230.14- 290.14	265.29
7.621	7.621 (0.807)	51	587732			0.00- 30.00	81.09
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	2362338	10.2981	10.298	80.00- 120.00	100.00
7.897	7.897 (0.836)	57	1272837			0.00- 30.00	53.88
7.897	7.897 (0.836)	41	1535605			0.00- 30.00	65.00
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	518205	10.5014	10.501	80.00- 120.00	100.00
7.897	7.897 (0.836)	61	1987684			0.00- 30.00	383.57
7.897	7.897 (0.836)	96	829508			0.00- 30.00	160.07
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	2815478	9.60579	9.606	80.00- 120.00	100.00
8.174	8.174 (0.865)	43	1886155			0.00- 30.00	66.99
8.174	8.174 (0.865)	86	269506			0.00- 30.00	9.57

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	2474788	10.3125	10.312	80.00- 120.00	100.00
8.478	8.478 (0.898)	65	690945			0.00- 57.78	27.92
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	496326	9.49102	9.491	80.00- 120.00	100.00
9.197	9.197 (0.974)	43	3428715			711.34- 771.34	690.82
9.197	9.197 (0.974)	57	257949			0.00- 30.00	51.97
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.142	9.142 (0.968)	98	595639	10.0430	10.043	80.00- 120.00	100.00
9.142	9.142 (0.968)	61	1998054			307.67- 367.67	335.45
9.142	9.142 (0.968)	96	944340			128.58- 188.58	158.54
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	2021109	8.80597	8.806	80.00- 120.00	100.00
9.418	9.418 (0.997)	71	415111			0.00- 30.00	20.54
9.418	9.418 (0.997)	72	452198			0.00- 30.00	22.37
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	1828891	10.2290	10.229	80.00- 120.00	100.00
9.529	9.529 (1.009)	85	1178228			34.24- 94.24	64.42
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	1692936	9.44978	9.450	80.00- 120.00	100.00
9.667	9.667 (1.023)	99	1085984			32.72- 92.72	64.15
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.667 (1.020)	84	1381544	9.70190	9.702	80.00- 120.00	100.00
9.639	9.639 (1.020)	56	3123639			0.00- 30.00	226.10
9.639	9.639 (1.020)	41	1566590			0.00- 30.00	113.39
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	1451578	10.2030	10.203	80.00- 120.00	100.00
9.833	9.833 (1.041)	117	1490289			74.84- 134.84	102.67
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	2970734	9.57236	9.572	80.00- 120.00	100.00
10.137	10.137 (0.946)	77	668375			0.00- 30.00	22.50
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	1786261	10.0996	10.100	80.00- 120.00	100.00
10.275	10.275 (0.959)	64	529730			0.00- 30.00	29.66
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	3606239	9.78625	9.786	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
59 Heptane (continued)							
10.386	10.386 (0.969)	57	1837010			0.00- 30.00	50.94
10.386	10.386 (0.969)	100	366428			0.00- 30.00	10.16
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	1126386	9.86038	9.860	80.00- 120.00	100.00
11.049	11.049 (1.031)	95	1230058			0.00- 30.00	109.20
11.049	11.049 (1.031)	97	796207			0.00- 30.00	70.69
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	1534468	9.67765	9.678	80.00- 120.00	100.00
11.492	11.492 (1.072)	62	1139977			46.75- 106.75	74.29
11.492	11.492 (1.072)	41	1013953			37.09- 97.09	66.08
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	534864	7.92344	7.923	80.00- 120.00	100.00
11.658	11.658 (1.088)	58	677713			98.23- 158.23	126.71
11.658	11.658 (1.088)	57	212191			0.00- 30.00	39.67
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	1895857	10.1817	10.182	80.00- 120.00	100.00
11.962	11.962 (1.116)	85	1199212			32.63- 92.63	63.25
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	1549875	10.2079	10.208	80.00- 120.00	100.00
12.874	12.874 (1.201)	77	479665			2.34- 62.34	30.95
12.847	12.874 (1.199)	39	1263568			52.45- 112.45	81.53
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	4162902	9.81398	9.814	80.00- 120.00	100.00
13.178	13.178 (1.230)	58	1574361			0.00- 30.00	37.82
13.178	13.178 (1.230)	85	377966			0.00- 30.00	9.08
72 Toluene					CAS #: 108-88-3		
13.427	13.427 (1.253)	91	3532830	10.3676	10.368	80.00- 120.00	100.00
13.427	13.427 (1.253)	92	2142922			29.37- 89.37	60.66
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.008	14.008 (0.880)	75	1532680	10.1859	10.186	80.00- 120.00	100.00
14.008	14.008 (0.880)	77	486133			2.36- 62.36	31.72
14.008	14.008 (0.880)	39	1172134			50.08- 110.08	76.48
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	1148804	9.84674	9.847	80.00- 120.00	100.00
14.340	14.340 (0.901)	99	715561			31.39- 91.39	62.29
14.340	14.340 (0.901)	83	1026176			56.62- 116.62	89.33

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	1238003	10.0662	10.066	80.00- 120.00	100.00
14.423	14.423 (0.906)	129	1038968			54.18- 114.18	83.92
14.423	14.423 (0.906)	131	970962			49.34- 109.34	78.43
76 2-Hexanone					CAS #: 591-78-6		
14.754	14.754 (0.927)	58	2098286	9.12193	9.122	80.00- 120.00	100.00
14.754	14.754 (0.927)	43	3897923			155.83- 215.83	185.77
14.754	14.754 (0.927)	100	260557			0.00- 30.00	12.42
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	1627467	10.6173	10.617	80.00- 120.00	100.00
14.976	14.976 (0.941)	127	1240250			0.00- 30.00	76.21
15.003	15.003 (0.943)	208	93449			0.00- 30.00	5.74
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	1696559	9.84086	9.841	80.00- 120.00	100.00
15.197	15.197 (0.955)	109	1601372			63.76- 123.76	94.39
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	2739578	9.57330	9.573	80.00- 120.00	100.00
15.971	15.971 (1.003)	114	887913			0.95- 60.95	32.41
15.971	15.971 (1.003)	77	1838047			35.44- 95.44	67.09
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	1516355	9.88533	9.885	80.00- 120.00	100.00
16.109	16.109 (1.012)	91	5029837			0.00- 30.00	331.71
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	1980728	9.85569	9.856	80.00- 120.00	100.00
16.303	16.303 (1.024)	91	4104236			0.00- 30.00	207.21
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	1845451	10.0058	10.006	80.00- 120.00	100.00
16.911	16.911 (1.063)	91	4093974			189.54- 249.54	221.84
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	3038100	9.92464	9.925	80.00- 120.00	100.00
16.966	16.966 (1.066)	78	1574417			20.31- 80.31	51.82
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	1457852	10.7165	10.716	80.00- 120.00	100.00
17.271	17.271 (1.085)	171	759342			20.92- 80.92	52.09
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	5613749	10.3777	10.378	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
90 Cumene (continued)							
17.464	17.464 (1.097)	120	1411332			0.00- 54.96	25.14
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	2805232	9.97879	9.979	80.00- 120.00	100.00
18.045	18.045 (1.134)	85	1805615			32.24- 92.24	64.37
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	7144632	10.5547	10.555	80.00- 120.00	100.00
18.100	18.100 (1.137)	120	1469976			0.00- 30.00	20.57
97 4-Ethyltoluene					CAS #: 622-96-8		
18.294	18.294 (1.149)	105	5918301	9.98120	9.981	80.00- 120.00	100.00
18.294	18.294 (1.149)	120	1672174			0.00- 57.43	28.25
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	4773397	9.78202	9.782	80.00- 120.00	100.00
18.404	18.404 (1.156)	120	2194911			16.16- 76.16	45.98
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	4669518	9.87497	9.875	80.00- 120.00	100.00
19.040	19.040 (1.196)	120	2008622			13.28- 73.28	43.02
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.483	19.483 (1.224)	146	2497220	9.87984	9.880	80.00- 120.00	100.00
19.483	19.483 (1.224)	148	1534735			0.00- 30.00	61.46
19.483	19.483 (1.224)	111	1218179			0.00- 30.00	48.78
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	2514148	9.64083	9.641	80.00- 120.00	100.00
19.621	19.621 (1.233)	148	1573201			0.00- 30.00	62.57
19.621	19.621 (1.233)	111	1188646			0.00- 30.00	47.28
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	3255288	9.53470	9.535	80.00- 120.00	100.00
19.814	19.814 (1.245)	126	593258			0.00- 30.00	18.22
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	2365120	9.62383	9.624	80.00- 120.00	100.00
20.118	20.118 (1.264)	148	1486958			32.42- 92.42	62.87
20.118	20.118 (1.264)	111	1207752			20.47- 80.47	51.07
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	2091599	10.7357	10.736	80.00- 120.00	100.00
21.916	21.916 (1.377)	182	1942552			64.90- 124.90	92.87

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	1504391	9.41345	9.413	80.00- 120.00	100.00
22.054	22.054 (1.386)	223	961055			0.00- 30.00	63.88
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	2925962	9.60984	9.610	80.00- 120.00	100.00
10.137	10.137 (1.073)	99	269754			0.00- 30.00	9.22
10.137	10.137 (1.073)	41	2043831			0.00- 30.00	69.85
22 3-Chloroprene					CAS #: 107-05-1		
7.400	7.400 (0.783)	76	351490	12.0090	12.009	80.00- 120.00	100.00
7.372	7.372 (0.780)	41	2194712			0.00- 30.00	624.40
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	1804789	8.34939	8.349	80.00- 120.00	100.00
8.561	8.561 (0.906)	42	136238			0.00- 30.00	7.55
8.561	8.561 (0.906)	86	104193			0.00- 30.00	5.77
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	1049433	9.98534	9.985	80.00- 120.00	100.00
5.215	5.215 (0.552)	43	1609621			0.00- 30.00	153.38
5.215	5.215 (0.552)	42	1421550			0.00- 30.00	135.46
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	1862071	10.0484	10.048	80.00- 120.00	100.00
11.243	11.243 (1.190)	98	844558			0.00- 30.00	45.36
11.243	11.243 (1.190)	55	2800411			0.00- 30.00	150.39
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	218467	9.75952	9.760	80.00- 120.00	100.00
3.556	3.556 (0.376)	43	1748062			0.00- 30.00	800.15
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	4293910	10.2800	10.280	80.00- 120.00	100.00
22.220	22.220 (1.396)	127	522429			0.00- 30.00	12.17

Report Date: 25-Apr-2008 13:02

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042503.d
Lab Smp Id: LCS
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /var/chem/msdy.i/y-25apr.b/t14ll0424a.m
Misc Info: 25ppbv -> 10ppbv

Calibration Date: 25-APR-2008
Calibration Time: 11:47
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	461682	277009	646355	468523	1.48
60 1,4-Difluorobenze	2148935	1289361	3008509	2111571	-1.74
80 Chlorobenzene-d5	2052086	1231252	2872920	2010951	-2.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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: y-25apr
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS Client Smp ID: LCS
Level: LOW Operator: se
Data Type: MS DATA SampleType: LCS
SpikeList File: SpectraENSR.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msdy.i/y-25apr.b/t14ll0424a.m
Misc Info: 25ppbv -> 10ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
4 Dichlorodifluorome	10.000	9.400	94.00	70-130
6 Freon 114	10.000	9.178	91.78	70-130
7 Chloromethane	10.000	9.375	93.75	70-130
9 Vinyl Chloride	10.000	9.350	93.50	70-130
10 1,3-Butadiene	10.000	10.144	101.44	60-140
12 Bromomethane	10.000	9.143	91.43	70-130
13 Chloroethane	10.000	8.589	85.89	70-130
16 Trichlorofluoromet	10.000	9.921	99.21	70-130
17 Ethanol	10.000	8.014	80.14	60-140
20 Freon 113	10.000	11.550	115.50	70-130
24 Acetone	10.000	10.601	106.01	60-140
18 1,1-Dichloroethene	10.000	11.904	119.04	70-130
21 Carbon Disulfide	10.000	11.005	110.05	60-140
28 2-Propanol	10.000	11.704	117.04	60-140
29 Methylene Chloride	10.000	11.834	118.34	70-130
32 MTBE	10.000	10.298	102.98	60-140
33 trans-1,2-Dichloro	10.000	10.501	105.01	60-140
34 Hexane	10.000	9.606	96.06	60-140
38 1,1-Dichloroethane	10.000	10.312	103.13	70-130
43 cis-1,2-Dichloroet	10.000	10.043	100.43	70-130
44 2-Butanone	10.000	9.491	94.91	60-140
45 Tetrahydrofuran	10.000	8.806	88.06	60-140
48 Chloroform	10.000	10.229	102.29	70-130
50 Cyclohexane	10.000	9.702	97.02	60-140
51 1,1,1-Trichloroeth	10.000	9.450	94.50	70-130
52 Carbon Tetrachlori	10.000	10.203	102.03	70-130
56 Benzene	10.000	9.572	95.72	70-130
59 Heptane	10.000	9.786	97.86	60-140
58 1,2-Dichloroethane	10.000	10.100	101.00	70-130
61 Trichloroethene	10.000	9.860	98.60	70-130
64 1,2-Dichloropropan	10.000	9.678	96.78	70-130
65 1,4-Dioxane	10.000	7.923	79.23	60-140
66 Bromodichlorometha	10.000	10.182	101.82	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
67 cis-1,3-Dichloropr	10.000	10.208	102.08	70-130
68 4-Methyl-2-pentano	10.000	9.814	98.14	60-140
72 Toluene	10.000	10.368	103.68	70-130
73 trans-1,3-Dichloro	10.000	10.186	101.86	70-130
74 1,1,2-Trichloroeth	10.000	9.847	98.47	70-130
75 Tetrachloroethene	10.000	10.066	100.66	70-130
76 2-Hexanone	10.000	9.122	91.22	60-140
77 Dibromochlorometha	10.000	10.617	106.17	60-140
78 1,2-Dibromoethane	10.000	9.841	98.41	70-130
81 Chlorobenzene	10.000	9.573	95.73	70-130
84 Ethyl Benzene	10.000	9.885	98.85	70-130
85 m,p-Xylene	10.000	9.856	98.56	70-130
86 o-Xylene	10.000	10.006	100.06	70-130
87 Styrene	10.000	9.925	99.25	70-130
89 Bromoform	10.000	10.716	107.17	60-140
90 Cumene	10.000	10.378	103.78	60-140
94 1,1,2,2-Tetrachlor	10.000	9.979	99.79	70-130
96 Propylbenzene	10.000	10.555	105.55	60-140
97 4-Ethyltoluene	10.000	9.981	99.81	60-140
98 1,3,5-Trimethylben	10.000	9.782	97.82	70-130
102 1,2,4-Trimethylben	10.000	9.875	98.75	70-130
105 1,3-Dichlorobenzen	10.000	9.880	98.80	70-130
106 1,4-Dichlorobenzen	10.000	9.641	96.41	70-130
109 alpha-chlorotoluen	10.000	9.535	95.35	70-130
112 1,2-Dichlorobenzen	10.000	9.624	96.24	70-130
114 1,2,4-Trichloroben	10.000	10.736	107.36	70-130
115 Hexachlorobutadien	10.000	9.413	94.13	70-130
55 2,2,4-Trimethylpen	10.000	9.610	96.10	60-140
14 Isopentane	10.000	9.985	99.85	60-140
22 3-Chloroprene	10.000	12.009	120.09	60-140
35 Vinyl Acetate	10.000	8.349	83.49	60-140
63 Methylcyclohexane	10.000	10.048	100.48	60-140
117 Naphthalene	10.000	10.280	102.80	60-140

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57 1,2-Dichloroethane	10.000	9.784	97.84	70-130
$ 70 Toluene-d8	10.000	10.056	100.56	70-130
$ 92 Bromofluorobenzene	10.000	9.879	98.79	70-130

Data File: /chem/msdy.i/y-25apr.b/y042503.d

Date : 25-APR-2008 12:42

Client ID: LCS

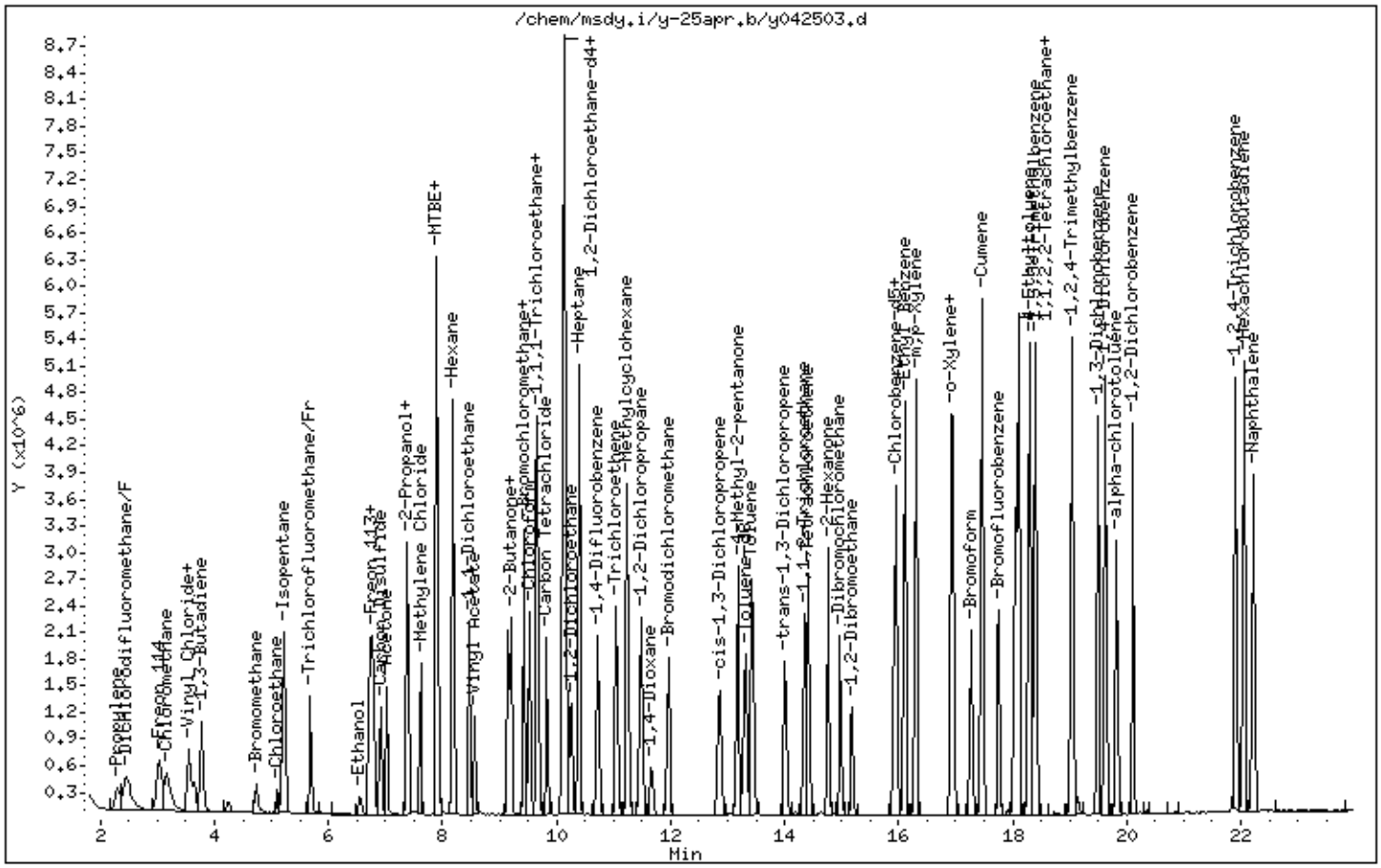
Instrument: msdy.i

Sample Info: 200mL #1576-247A;LCS;LCS

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042429.d
Lab Smp Id: ICAl Client Smp ID: Level 5
Inj Date : 25-APR-2008 10:31
Operator : EJ Inst ID: msdy.i
Smp Info : 25ml #1541-128
Misc Info : 2.0ppbv->0.1ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 25-APR-2008 10:31 Cal File: y042429.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Level#1.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	455967	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	356721			0.00- 30.00		78.23
9.418	9.418 (1.000)	49	1516936			0.00- 30.00		332.69
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	2106834	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	376674			0.00- 47.57		17.88
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1982042	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1251554			0.00- 30.00		63.14
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	903230	10.0000	9.758	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	435115			0.00- 30.00		48.17
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	2118310	10.0000	9.840	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	248398			0.00- 41.41		11.73

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1403149			37.44- 97.44	66.24
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	1009061	10.0000	9.847	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1728223			143.81- 203.81	171.27
17.768	17.768 (1.116)	176	959688			65.44- 125.44	95.11
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	19905	0.10000	0.1181	70.00- 130.00	100.00(M)
2.450	2.450 (0.259)	87	3178			1.10- 61.10	15.97
6 Freon 114					CAS #: 76-14-2		
3.059	3.059 (0.324)	135	10737	0.10000	0.1195	70.00- 130.00	100.00(M)
2.976	2.976 (0.315)	137	1849			0.00- 30.00	17.22
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	14867	0.10000	0.1151	70.00- 130.00	100.00
3.197	3.197 (0.338)	52	9054			0.00- 30.00	60.90
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	11685	0.10000	0.1221	70.00- 130.00	100.00
3.639	3.639 (0.385)	64	2161			0.00- 57.10	18.49
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	7694	0.10000	0.09425	70.00- 130.00	100.00
3.778	3.778 (0.400)	39	11299			0.00- 30.00	146.85
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	4575	0.10000	0.1216	70.00- 130.00	100.00
4.745	4.745 (0.502)	96	6504			68.68- 128.68	142.16
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	5116	0.10000	0.1335	70.00- 130.00	100.00
5.105	5.105 (0.540)	66	1964			0.00- 30.00	38.39
5.105	5.105 (0.540)	49	865			0.00- 30.00	16.91
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	17352	0.10000	0.1054	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	13823			33.96- 93.96	79.66
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	4902	0.10000	0.1276	70.00- 130.00	100.00
6.736	6.736 (0.713)	61	16988			0.00- 30.00	346.55
6.708	6.708 (0.710)	96	7392			0.00- 30.00	150.80

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	10083	0.10000	0.1223	70.00- 130.00	100.00
6.791	6.791 (0.719)	153	5307			32.64- 92.64	52.63
6.764	6.764 (0.716)	101	13074			0.00- 30.00	129.66
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	22890	0.10000	0.1164	70.00- 130.00	100.00
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	8674	0.10000	0.1455	70.00- 130.00	100.00
7.621	7.621 (0.807)	49	19430			232.33- 292.33	224.00
7.621	7.621 (0.807)	51	6655			0.00- 30.00	76.72
32 MTBE					CAS #: 1634-04-4		
7.925	7.925 (0.839)	73	21933	0.10000	0.09824	70.00- 130.00	100.00
7.925	7.925 (0.839)	57	11571			0.00- 30.00	52.76
7.925	7.925 (0.839)	41	8902			0.00- 30.00	40.59
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	5766	0.10000	0.1201	70.00- 130.00	100.00
7.897	7.897 (0.836)	61	20664			0.00- 30.00	358.38
7.925	7.925 (0.839)	96	9010			0.00- 30.00	156.26
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	29328	0.10000	0.1028	70.00- 130.00	100.00
8.174	8.174 (0.865)	43	33316			0.00- 30.00	113.60
8.174	8.174 (0.865)	86	3415			0.00- 30.00	11.64
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	21981	0.10000	0.09412	70.00- 130.00	100.00
8.478	8.478 (0.898)	65	8077			0.00- 57.91	36.75
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.142	9.142 (0.968)	98	6017	0.10000	0.1042	70.00- 130.00	100.00
9.142	9.142 (0.968)	61	18965			310.78- 370.78	315.19
9.142	9.142 (0.968)	96	10894			127.32- 187.32	181.05
44 2-Butanone					CAS #: 78-93-3		
9.225	9.225 (0.977)	72	6382	0.10000	0.1254	70.00- 130.00	100.00
9.197	9.197 (0.974)	43	34984			693.85- 753.85	548.17
9.225	9.225 (0.977)	57	2087			0.00- 30.00	32.70
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	16784	0.10000	0.09646	70.00- 130.00	100.00
9.529	9.529 (1.009)	85	12065			33.18- 93.18	71.88

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
50 Cyclohexane					CAS #: 110-82-7		
9.667	9.667 (1.023)	84	14896	0.10000	0.1075	70.00- 130.00	100.00
9.639	9.639 (1.020)	56	32436			0.00- 30.00	217.75
9.639	9.639 (1.020)	41	16744			0.00- 30.00	112.41
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	20065	0.10000	0.1151	70.00- 130.00	100.00
9.695	9.695 (1.026)	99	10695			33.59- 93.59	53.30
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	12568	0.10000	0.09077	70.00- 130.00	100.00
9.833	9.833 (1.041)	117	13693			76.33- 136.33	108.95
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	35928	0.10000	0.1160	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	7978			0.00- 30.00	22.21
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	31758	0.10000	0.1072	70.00- 130.00	100.00
10.109	10.109 (1.070)	99	3329			0.00- 30.00	10.48
10.137	10.137 (1.073)	41	20742			0.00- 30.00	65.31
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	17252	0.10000	0.09776	70.00- 130.00	100.00
10.275	10.275 (0.959)	64	6339			0.00- 30.00	36.74
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	36252	0.10000	0.09860	70.00- 130.00	100.00
10.386	10.386 (0.969)	57	21681			0.00- 30.00	59.81
10.386	10.386 (0.969)	100	3556			0.00- 30.00	9.81
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	12120	0.10000	0.1063	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	13018			0.00- 30.00	107.41
11.049	11.049 (1.031)	97	10783			0.00- 30.00	88.97
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	17003	0.10000	0.1075	70.00- 130.00	100.00
11.492	11.492 (1.072)	62	11316			44.90- 104.90	66.55
11.492	11.492 (1.072)	41	13073			35.38- 95.38	76.89
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	7475	0.10000	0.1110	70.00- 130.00	100.00
11.685	11.685 (1.090)	58	7825			101.73- 161.73	104.68
11.713	11.713 (1.093)	57	4101			0.00- 30.00	54.86

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	15720	0.10000	0.08461	70.00- 130.00	100.00
11.962	11.962 (1.116)	85	11762			34.06- 94.06	74.82
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	13502	0.10000	0.08913	70.00- 130.00	100.00
12.874	12.874 (1.201)	77	7631			0.76- 60.76	56.52
12.874	12.874 (1.201)	39	14756			52.56- 112.56	109.29
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	36981	0.10000	0.08738	70.00- 130.00	100.00
13.178	13.178 (1.230)	58	14577			0.00- 30.00	39.42
13.178	13.178 (1.230)	85	5734			0.00- 30.00	15.51
72 Toluene					CAS #: 108-88-3		
13.427	13.427 (1.253)	91	33793	0.10000	0.09939	70.00- 130.00	100.00
13.455	13.455 (1.255)	92	20185			30.90- 90.90	59.73
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.036	14.036 (0.882)	75	12626	0.10000	0.08513	70.00- 130.00	100.00
14.008	14.008 (0.880)	77	6901			1.70- 61.70	54.66
14.008	14.008 (0.880)	39	12933			50.51- 110.51	102.43
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	11115	0.10000	0.09666	70.00- 130.00	100.00
14.340	14.340 (0.901)	99	7148			32.57- 92.57	64.31
14.340	14.340 (0.901)	83	11017			57.39- 117.39	99.12
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	12107	0.10000	0.09988	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	11511			53.39- 113.39	95.08
14.423	14.423 (0.906)	131	9809			50.38- 110.38	81.02
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	11541	0.10000	0.07639	70.00- 130.00	100.00
14.976	14.976 (0.941)	127	11083			0.00- 30.00	96.03
15.003	15.003 (0.943)	208	2121			0.00- 30.00	18.38
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	14702	0.10000	0.08652	70.00- 130.00	100.00
15.197	15.197 (0.955)	109	12782			64.79- 124.79	86.94
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	29064	0.10000	0.1030	70.00- 130.00	100.00
15.971	15.971 (1.003)	114	10660			1.49- 61.49	36.68
15.971	15.971 (1.003)	77	39985			36.08- 96.08	137.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	14554	0.10000	0.09626	70.00- 130.00	100.00
16.109	16.109 (1.012)	91	49997			0.00- 30.00	343.53
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	19174	0.10000	0.09680	70.00- 130.00	100.00
16.303	16.303 (1.024)	91	41776			0.00- 30.00	217.88
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	15969	0.10000	0.08784	70.00- 130.00	100.00
16.911	16.911 (1.063)	91	37772			188.86- 248.86	236.53
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	26348	0.10000	0.08733	70.00- 130.00	100.00
16.966	16.966 (1.066)	78	13596			21.36- 81.36	51.60
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	9937	0.10000	0.07411	70.00- 130.00	100.00
17.271	17.271 (1.085)	171	4899			21.23- 81.23	49.30
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	49970	0.10000	0.09372	70.00- 130.00	100.00
17.464	17.464 (1.097)	120	13446			0.00- 55.21	26.91
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	25811	0.10000	0.09315	70.00- 130.00	100.00
18.045	18.045 (1.134)	85	18469			33.36- 93.36	71.55
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	63345	0.10000	0.09494	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	11662			0.00- 30.00	18.41
97 4-Ethyltoluene					CAS #: 622-96-8		
18.294	18.294 (1.149)	105	54408	0.10000	0.09310	70.00- 130.00	100.00
18.294	18.294 (1.149)	120	14914			0.00- 57.80	27.41
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	46289	0.10000	0.09624	70.00- 130.00	100.00
18.404	18.404 (1.156)	120	21054			16.81- 76.81	45.48
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	42778	0.10000	0.09178	70.00- 130.00	100.00
19.040	19.040 (1.196)	120	19972			12.48- 72.48	46.69
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.483	19.483 (1.224)	146	23204	0.10000	0.09314	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 1,3-Dichlorobenzene (continued)							
19.483	19.483 (1.224)	148	18303			0.00- 30.00	78.88
19.483	19.483 (1.224)	111	12508			0.00- 30.00	53.90
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	25266	0.10000	0.09830	70.00- 130.00	100.00
19.621	19.621 (1.233)	148	16740			0.00- 30.00	66.26
19.621	19.621 (1.233)	111	12077			0.00- 30.00	47.80
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	31401	0.10000	0.09331	70.00- 130.00	100.00
19.814	19.814 (1.245)	126	5136			0.00- 30.00	16.36
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	25858	0.10000	0.1068	70.00- 130.00	100.00
20.118	20.118 (1.264)	148	13422			32.79- 92.79	51.91
20.118	20.118 (1.264)	111	12268			20.92- 80.92	47.44

QC Flag Legend

M - Compound response manually integrated.

Report Date: 25-Apr-2008 10:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042429.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: EJ
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 2.0ppbv->0.1ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	455967	4.31
60 1,4-Difluorobenze	1950663	1170398	2730928	2106834	8.01
80 Chlorobenzene-d5	1871396	1122838	2619954	1982042	5.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042429.d

Date : 25-APR-2008 10:31

Client ID: Level 5

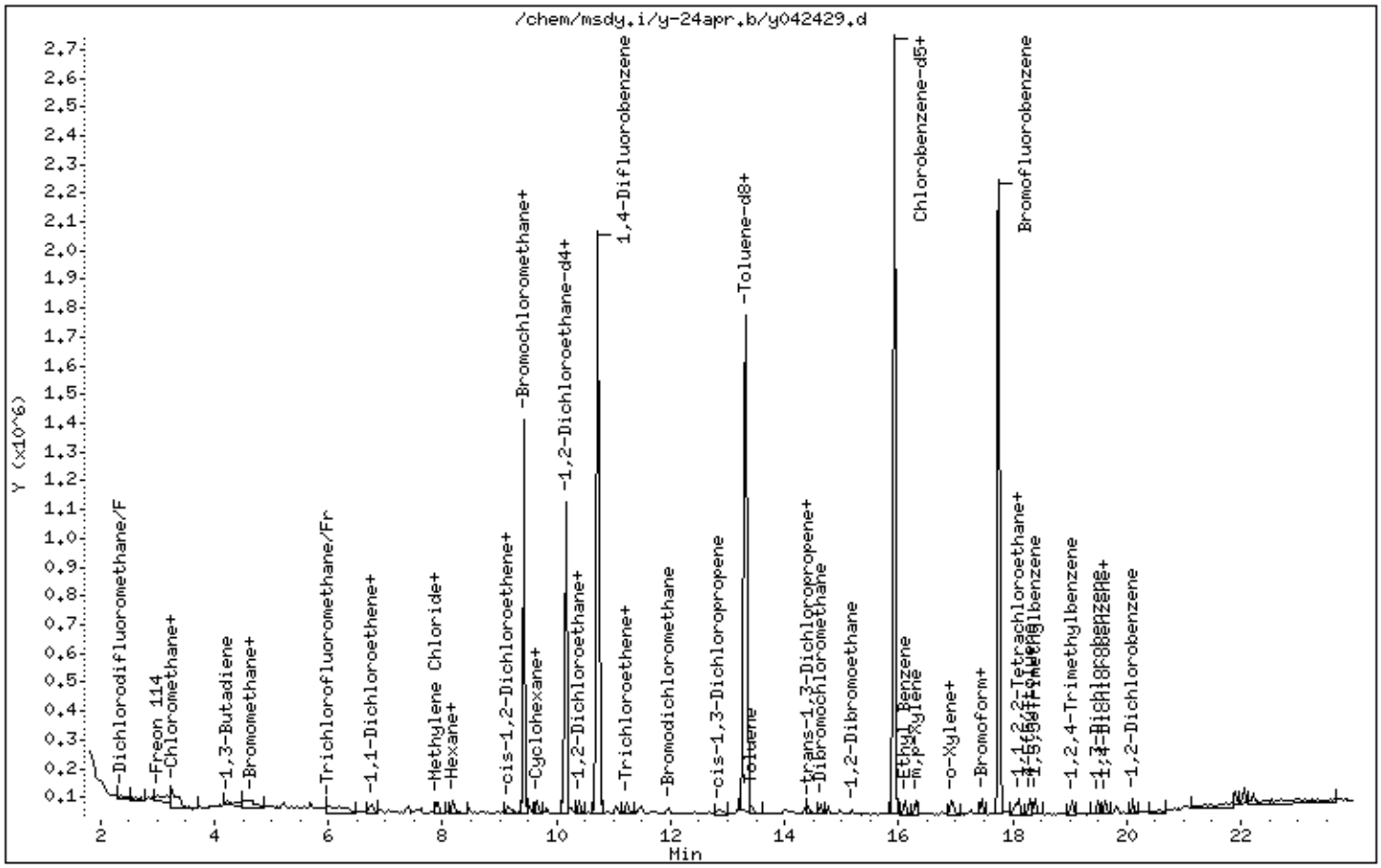
Instrument: msdy.i

Sample Info: 25ml #1541-128

Operator: EJ

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-16may.b/y051603.d
Lab Smp Id: ICAl Client Smp ID: Level 6
Inj Date : 16-MAY-2008 10:11
Operator : se Inst ID: msdy.i
Smp Info : 125ml #1541-174 2.0ppbv
Misc Info : 2.0ppbv->0.5ppbv
Comment :
Method : /chem/msdy.i/y-16may.b/t14ll0424c.m
Meth Date : 19-May-2008 11:20 tsanfel Quant Type: ISTD
Cal Date : 16-MAY-2008 10:11 Cal File: y051603.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4c.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	333420	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	263946			0.00- 30.00		79.16
9.418	9.418 (1.000)	49	1205963			0.00- 30.00		361.69
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	1081113	10.0000		70.00- 130.00		100.00
10.717	10.717 (1.000)	88	187803			0.00- 47.29		17.37
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1111470	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	682427			0.00- 30.00		61.40
15 Vinyl Bromide						CAS #: 593-60-2		
5.547	5.547 (0.587)	106	19927	0.50000	0.5177	70.00- 130.00		100.00
5.519	5.519 (0.584)	108	21165			0.00- 30.00		106.21
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.538 (0.798)	41	93319	0.50000	0.6822	70.00- 130.00		100.00
7.538	7.538 (0.798)	40	46313			0.00- 30.00		49.63

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.538	7.538 (0.798)	39	17977			0.00- 30.00	19.26
31 Acrylonitrile					CAS #: 107-13-1		
8.035	8.035 (0.851)	53	35869	0.50000	0.3564	70.00- 130.00	100.00
8.035	8.035 (0.851)	52	29346			0.00- 30.00	81.81
37 Chloroprene					CAS #: 126-99-8		
8.533	8.533 (0.903)	53	44129	0.50000	0.3422	70.00- 130.00	100.00
8.533	8.533 (0.903)	88	11272			0.00- 30.00	25.54

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y051603.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-16may.b/t14ll0424c.m
Misc Info: 2.0ppbv->0.5ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 11:38
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	355674	213404	497944	333420	-6.26
60 1,4-Difluorobenze	1232011	739207	1724815	1081113	-12.25
80 Chlorobenzene-d5	1154110	692466	1615754	1111470	-3.69

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-16may.b/y051603.d

Date : 16-MAY-2008 10:11

Client ID: Level 6

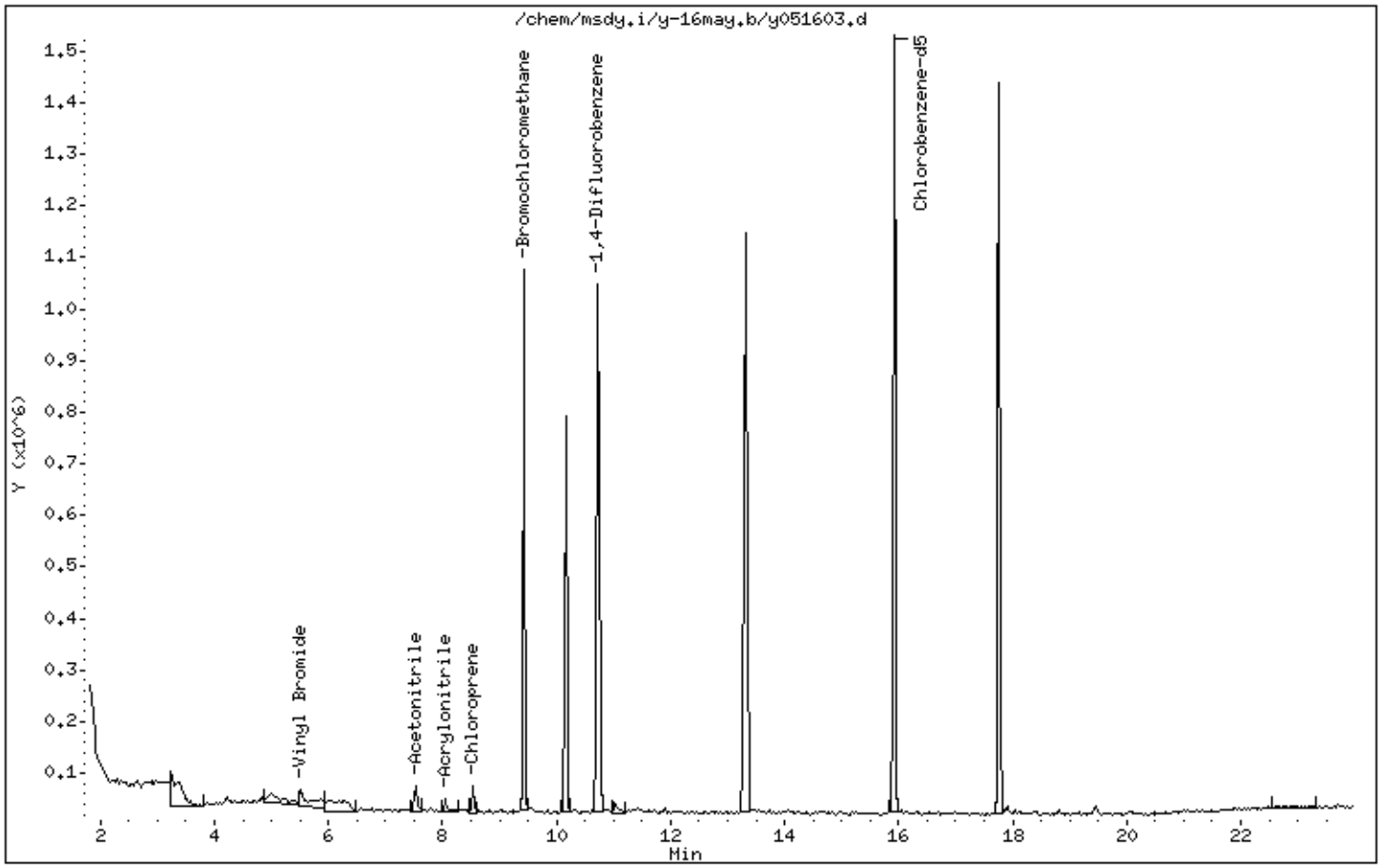
Instrument: msdy.i

Sample Info: 125ml #1541-174 2.0ppbv

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-08may.b/y050805.d
Lab Smp Id: ICAL Level 6
Inj Date : 08-MAY-2008 11:40
Operator : se Inst ID: msdy.i
Smp Info : 2.5mL #1576-319A
Misc Info : 100ppbv - 0.5ppbv
Comment :
Method : /chem/msdy.i/y-08may.b/t14ll0424b.m
Meth Date : 09-May-2008 07:45 seze Quant Type: ISTD
Cal Date : 08-MAY-2008 11:40 Cal File: y050805.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	318285	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	246351			0.00- 30.00		77.40
9.418	9.418 (1.000)	49	1227127			0.00- 30.00		385.54
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1274223	10.0000		80.00- 120.00		100.00
10.718	10.718 (1.000)	88	215202			0.00- 46.90		16.89
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1183251	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	762355			0.00- 30.00		64.43
19 Acrolein						CAS #: 107-02-8		
6.764	6.736 (0.716)	56	14421	0.50000	0.4037	80.00- 120.00		100.00
6.764	6.736 (0.716)	55	13379			0.00- 30.00		92.77
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.510 (0.798)	41	119708	0.50000	0.4957	80.00- 120.00		100.00
7.538	7.510 (0.798)	40	62814			0.00- 30.00		52.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.510	7.510 (0.795)	39	45284			0.00- 30.00	37.83
31 Acrylonitrile					CAS #: 107-13-1		
8.063	8.035 (0.854)	53	35290	0.50000	0.3700	80.00- 120.00	100.00
8.063	8.035 (0.854)	52	29730			0.00- 30.00	84.24

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y050805.d
Lab Smp Id: ICAL Level 6
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-08may.b/t14ll0424b.m
Misc Info: 100ppbv - 0.5ppbv

Calibration Date: 08-MAY-2008
Calibration Time: 09:50
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	319265	191559	446971	318285	-0.31
60 1,4-Difluorobenze	1319452	791671	1847233	1274223	-3.43
80 Chlorobenzene-d5	1229851	737911	1721791	1183251	-3.79

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-08may.b/y050805.d

Date : 08-MAY-2008 11:40

Client ID:

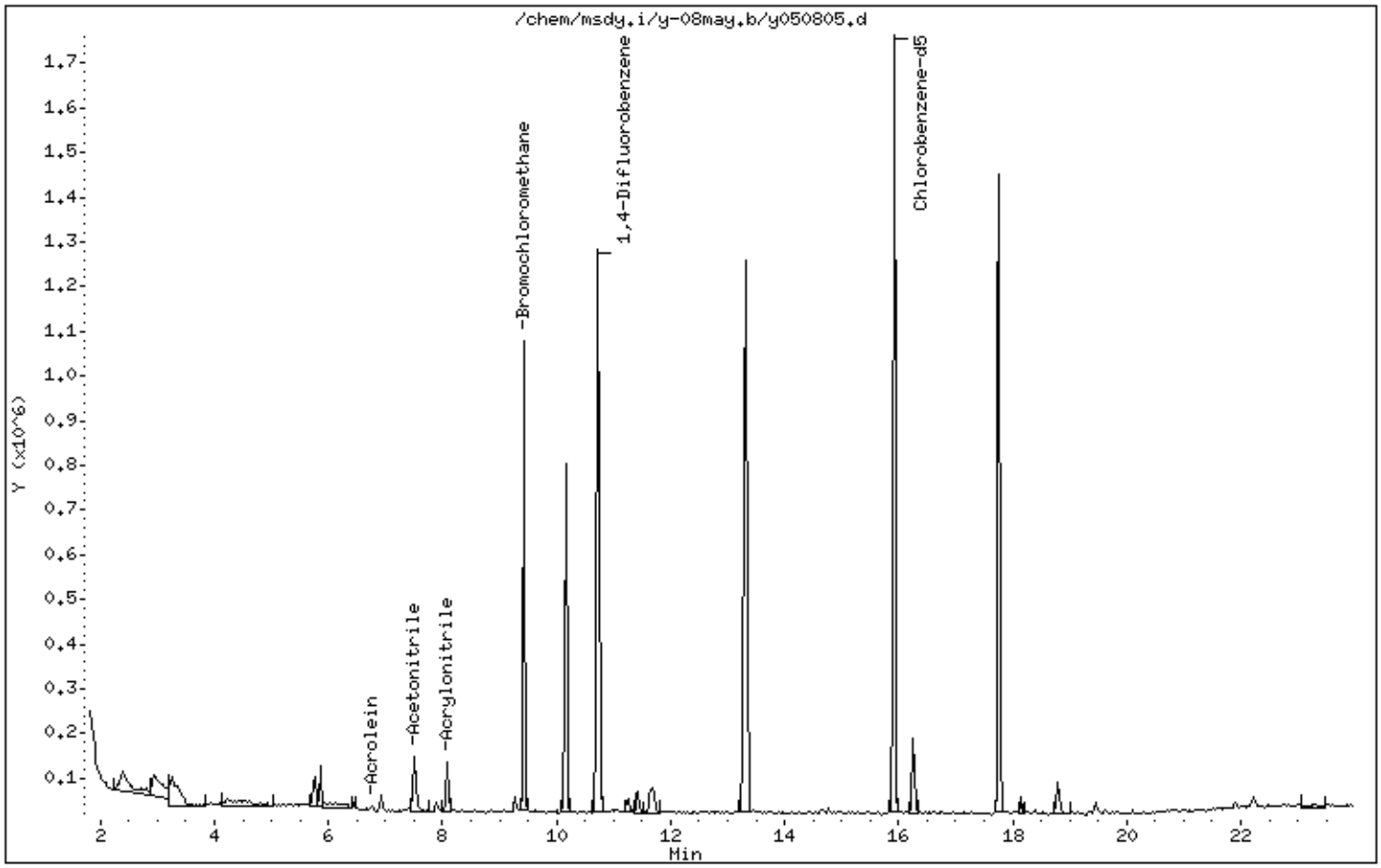
Instrument: msdy.i

Sample Info: 2.5mL #1576-319A

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042504a.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 25-APR-2008 13:38
Operator : ej Inst ID: msdy.i
Smp Info : 5.0mL #1576-315
Misc Info : 50ppbv -> 0.5ppbv
Comment :
Method : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Meth Date : 03-Jun-2008 09:38 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 10:11 Cal File: y051603.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp3d.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	457449	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	358898			0.00- 30.00		78.46
9.418	9.418 (1.000)	49	1513862			0.00- 30.00		330.94
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	2080915	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	368375			0.00- 47.03		17.70
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1947221	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1253618			0.00- 30.00		64.38
93 2-Chlorotoluene						CAS #: 95-49-8		
18.266	18.266 (1.148)	126	49421	0.50000	0.5000	0.00- 30.00		100.00
18.266	18.266 (1.148)	91	203103			0.00- 30.00		410.96
18.266	18.266 (1.148)	65	21303			0.00- 30.00		43.11
103 p-Cymene						CAS #: 99-87-6		
19.482	19.482 (1.224)	119	232107	0.50000	0.5000	0.00- 30.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 p-Cymene (continued)							
19.510	19.510 (1.226)	134	60574			0.00- 30.00	26.10
19.482	19.482 (1.224)	91	59817			0.00- 30.00	25.77
104 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
19.648	19.648 (1.235)	120	80871	0.50000	0.5000	0.00- 30.00	100.00
19.648	19.648 (1.235)	105	206651			0.00- 30.00	255.53
19.648	19.648 (1.235)	77	26751			0.00- 30.00	33.08

Report Date: 03-Jun-2008 09:38

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042504a.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ej
Method File: /chem/msdy.i/y-03jun.b/t14ll0424d.m
Misc Info: 50ppbv -> 0.5ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 10:11
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	457449	274469	640429	457449	0.00
60 1,4-Difluorobenze	2080915	1248549	2913281	2080915	0.00
80 Chlorobenzene-d5	1947221	1168333	2726109	1947221	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042504a.d

Date : 25-APR-2008 13:38

Client ID: Level 6

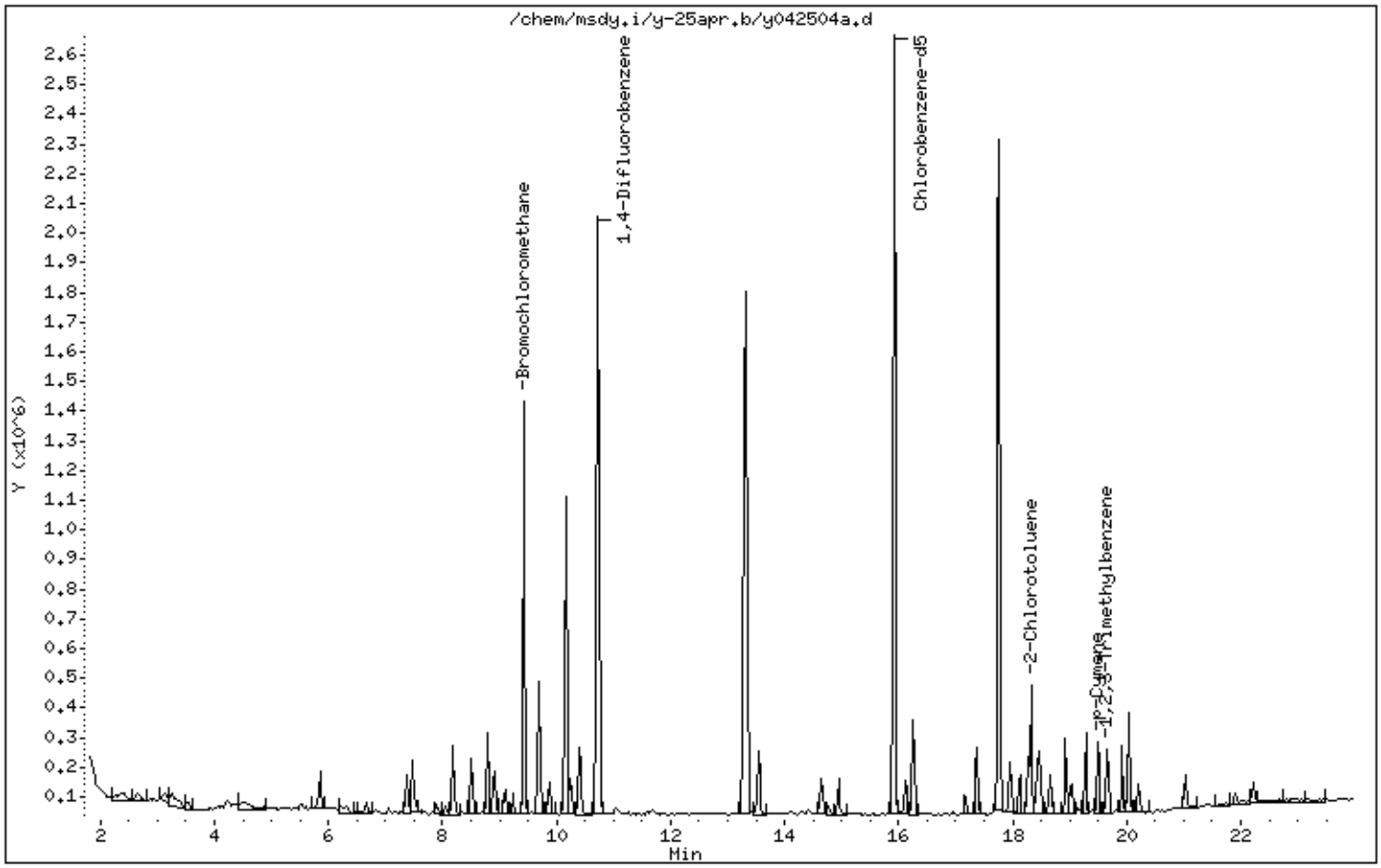
Instrument: msdy.i

Sample Info: 5.0mL #1576-315

Operator: ej

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042504.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 25-APR-2008 13:38
Operator : ej Inst ID: msdy.i
Smp Info : 5.0mL #1576-315
Misc Info : 50ppbv -> 0.5ppbv
Comment :
Method : /chem/msdy.i/y-25apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 15:05 seze Quant Type: ISTD
Cal Date : 25-APR-2008 13:38 Cal File: y042504.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp8b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	457449	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	358898			0.00- 30.00		78.46
9.418	9.418 (1.000)	49	1513862			0.00- 30.00		330.94
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	2080915	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	368375			0.00- 47.96		17.70
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1947221	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1253618			0.00- 30.00		64.38
46 2,3-Dimethylpentane						CAS #: 565-59-3		
9.694	9.694 (0.905)	71	60023	1.00000	0.9536	70.00- 130.00		100.00
9.694	9.694 (0.905)	56	293717			0.00- 30.00		489.34
9.694	9.694 (0.905)	43	229021			0.00- 30.00		381.56
101 sec-Butylbenzene						CAS #: 135-98-8		
19.289	19.289 (1.212)	105	307998	0.50000	0.4645	70.00- 130.00		100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
101 sec-Butylbenzene (continued)							
19.289	19.289 (1.212)	134	56201			0.00- 30.00	18.25
19.289	19.289 (1.212)	91	49814			0.00- 30.00	16.17
108 Butylbenzene					CAS #: 104-51-8		
20.035	20.035 (1.259)	134	60085	0.50000	0.4823	70.00- 130.00	100.00(a)
20.035	20.035 (1.259)	91	254475			413.45- 473.45	423.53
20.035	20.035 (1.259)	92	144351			0.00- 30.00	240.24
79 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
16.137	16.137 (1.014)	130	2871	0.50000	0.6057	70.00- 130.00	100.00
16.109	16.109 (1.012)	117	42536			0.00- 30.00	1481.57
16.109	16.109 (1.012)	95	20598			0.00- 30.00	717.45
91 1,2,3-Trichloropropane					CAS #: 96-18-4		
18.128	18.128 (1.139)	110	33299	0.50000	0.4460	70.00- 130.00	100.00(a)
18.128	18.128 (1.139)	75	101344			0.00- 30.00	304.35
18.128	18.128 (1.139)	61	37322			0.00- 30.00	112.08
99 tert-Butylbenzene					CAS #: 98-06-6		
18.929	18.929 (1.189)	119	195158	0.50000	0.4709	70.00- 130.00	100.00(a)
18.929	18.929 (1.189)	134	46742			0.00- 30.00	23.95
18.929	18.929 (1.189)	91	140253			0.00- 30.00	71.87
113 1,2-Dibromo-3-chloropropane					CAS #: 96-12-8		
21.031	21.031 (1.321)	157	37727	0.50000	0.4226	70.00- 130.00	100.00(a)
21.031	21.031 (1.321)	75	40151			77.73- 137.73	106.43
21.031	21.031 (1.321)	155	25075			0.00- 30.00	66.46
191 4-Chlorotoluene					CAS #: 106-43-4		
18.459	18.459 (1.160)	126	55465	0.50000	0.4673	70.00- 130.00	100.00(a)
18.459	18.459 (1.160)	91	217571			0.00- 30.00	392.27
18.459	18.459 (1.160)	63	29745			0.00- 30.00	53.63

QC Flag Legend

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

Report Date: 25-Apr-2008 15:05

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042504.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ej
Method File: /chem/msdy.i/y-25apr.b/t14ll0424a.m
Misc Info: 50ppbv -> 0.5ppbv

Calibration Date: 25-APR-2008
Calibration Time: 14:14
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	448036	268822	627250	457449	2.10
60 1,4-Difluorobenze	2079918	1247951	2911885	2080915	0.05
80 Chlorobenzene-d5	1956823	1174094	2739552	1947221	-0.49

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042504.d

Date : 25-APR-2008 13:38

Client ID: Level 6

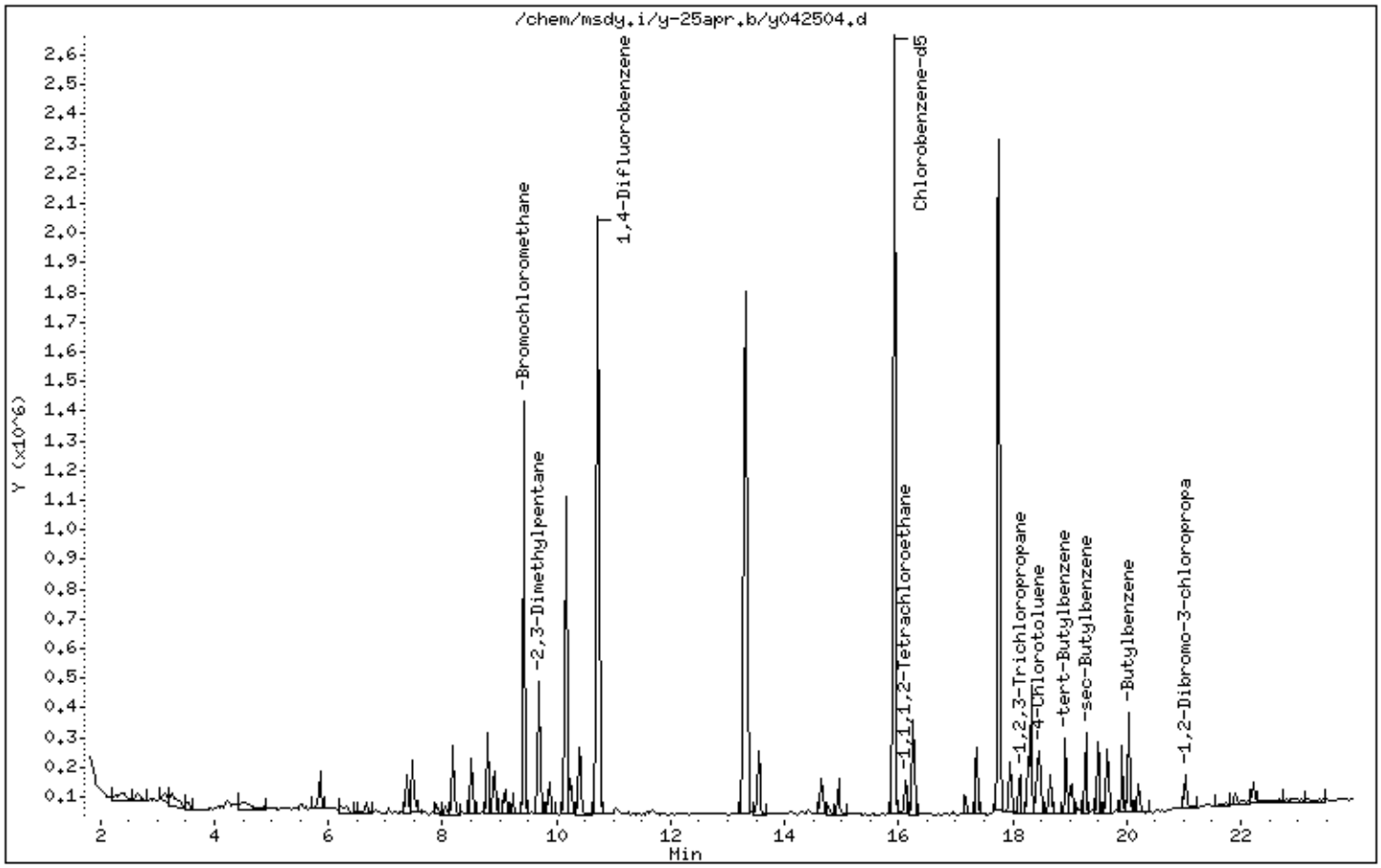
Instrument: msdy.i

Sample Info: 5.0mL #1576-315

Operator: ej

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042421.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 24-APR-2008 19:21
Operator : cb Inst ID: msdy.i
Smp Info : 125ml #1541-128
Misc Info : 2ppbv-0.5ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 19:21 Cal File: y042421.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	439303	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	335429			0.00- 30.00		76.35
9.418	9.418 (1.000)	49	1468998			0.00- 30.00		334.39
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1983248	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	348074			0.00- 47.57		17.55
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1854752	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1187561			0.00- 30.00		64.03
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	876928	10.0000	9.833	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	410892			0.00- 30.00		46.86
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1973950	10.0000	9.741	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	230168			0.00- 41.41		11.66

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1353506			37.44- 97.44	68.57
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	955735	10.0000	9.966	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1588986			143.81- 203.81	166.26
17.768	17.768 (1.116)	176	918369			65.44- 125.44	96.09
2 Propylene					CAS #: 115-07-1		
2.284	2.284 (0.242)	41	43988	0.50000	0.5250	70.00- 130.00	100.00
2.312	2.312 (0.245)	42	24101			0.00- 30.00	54.79
2.284	2.284 (0.242)	39	36239			0.00- 30.00	82.38
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	69863	0.50000	0.4301	70.00- 130.00	100.00
2.423	2.423 (0.256)	87	23279			1.10- 61.10	33.32
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	40647	0.50000	0.4694	70.00- 130.00	100.00
3.003	3.003 (0.318)	137	14640			0.00- 30.00	36.02
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	55471	0.50000	0.4456	70.00- 130.00	100.00
3.169	3.169 (0.336)	52	19564			0.00- 30.00	35.27
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	43278	0.50000	0.4694	70.00- 130.00	100.00
3.639	3.639 (0.385)	64	11971			0.00- 57.10	27.66
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	31900	0.50000	0.4056	70.00- 130.00	100.00
3.778	3.778 (0.400)	39	36575			0.00- 30.00	114.66
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	12935	0.50000	0.3567	70.00- 130.00	100.00
4.745	4.745 (0.502)	96	12006			68.68- 128.68	92.82
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	14850	0.50000	0.4021	70.00- 130.00	100.00
5.105	5.105 (0.540)	66	6370			0.00- 30.00	42.90
5.105	5.105 (0.540)	49	7267			0.00- 30.00	48.94
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	47848	0.50000	0.4856	70.00- 130.00	100.00
5.215	5.215 (0.552)	43	73550			0.00- 30.00	153.72
5.215	5.215 (0.552)	42	61701			0.00- 30.00	128.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	75749	0.50000	0.4776	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	49233			33.96- 93.96	64.99
17 Ethanol					CAS #: 64-17-5		
6.598	6.598 (0.698)	45	30453	0.50000	0.5599	70.00- 130.00	100.00
6.598	6.598 (0.698)	43	9227			0.00- 30.00	30.30
6.598	6.598 (0.698)	46	12551			0.00- 30.00	41.21
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	18487	0.50000	0.4995	70.00- 130.00	100.00
6.736	6.736 (0.713)	61	82344			0.00- 30.00	445.42
6.736	6.736 (0.713)	96	32469			0.00- 30.00	175.63
20 Freon 113					CAS #: 76-13-1		
6.791	6.791 (0.719)	151	37910	0.50000	0.4772	70.00- 130.00	100.00
6.764	6.764 (0.716)	153	22362			32.64- 92.64	58.99
6.764	6.764 (0.716)	101	59017			0.00- 30.00	155.68
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	96532	0.50000	0.5095	70.00- 130.00	100.00
24 Acetone					CAS #: 67-64-1		
7.040	7.040 (0.745)	43	113696	0.50000	0.5833	70.00- 130.00	100.00
7.040	7.040 (0.745)	58	36046			0.00- 30.00	31.70
28 2-Propanol					CAS #: 67-63-0		
7.400	7.400 (0.783)	45	119851	0.50000	0.5700	70.00- 130.00	100.00
7.400	7.400 (0.783)	43	23522			0.00- 30.00	19.63
7.400	7.400 (0.783)	59	4880			0.00- 30.00	4.07
22 3-Chloroprene					CAS #: 107-05-1		
7.400	7.400 (0.783)	76	12883	0.50000	0.4694	70.00- 130.00	100.00
7.372	7.372 (0.780)	41	91663			0.00- 30.00	711.50
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	32660	0.50000	0.5687	70.00- 130.00	100.00
7.621	7.621 (0.807)	49	80713			232.33- 292.33	247.13
7.621	7.621 (0.807)	51	26363			0.00- 30.00	80.72
32 MTBE					CAS #: 1634-04-4		
7.925	7.925 (0.839)	73	109107	0.50000	0.5073	70.00- 130.00	100.00
7.925	7.925 (0.839)	57	58628			0.00- 30.00	53.73
7.897	7.897 (0.836)	41	71757			0.00- 30.00	65.77
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	23990	0.50000	0.5185	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	92462			0.00- 30.00	385.42
7.897	7.897 (0.836)	96	36791			0.00- 30.00	153.36
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	133755	0.50000	0.4867	70.00- 130.00	100.00
8.174	8.174 (0.865)	43	91580			0.00- 30.00	68.47
8.174	8.174 (0.865)	86	13308			0.00- 30.00	9.95
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	113697	0.50000	0.5053	70.00- 130.00	100.00
8.478	8.478 (0.898)	65	27917			0.00- 57.91	24.55
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	58134	0.50000	0.2868	70.00- 130.00	100.00
8.561	8.561 (0.906)	42	10810			0.00- 30.00	18.59
8.561	8.561 (0.906)	86	3941			0.00- 30.00	6.78
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.169	9.169 (0.971)	98	28688	0.50000	0.5159	70.00- 130.00	100.00
9.142	9.142 (0.968)	61	93400			310.78- 370.78	325.57
9.142	9.142 (0.968)	96	43847			127.32- 187.32	152.84
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	21474	0.50000	0.4380	70.00- 130.00	100.00
9.197	9.197 (0.974)	43	161057			693.85- 753.85	750.01
9.197	9.197 (0.974)	57	13585			0.00- 30.00	63.26
45 Tetrahydrofuran					CAS #: 109-99-9		
9.446	9.446 (1.000)	42	100586	0.50000	0.4674	70.00- 130.00	100.00
9.446	9.446 (1.000)	71	21644			0.00- 30.00	21.52
9.446	9.446 (1.000)	72	22615			0.00- 30.00	22.48
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	76853	0.50000	0.4584	70.00- 130.00	100.00
9.529	9.529 (1.009)	85	53214			33.18- 93.18	69.24
50 Cyclohexane					CAS #: 110-82-7		
9.667	9.667 (1.023)	84	63435	0.50000	0.4751	70.00- 130.00	100.00
9.639	9.639 (1.020)	56	138380			0.00- 30.00	218.14
9.639	9.639 (1.020)	41	73322			0.00- 30.00	115.59
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	74150	0.50000	0.4414	70.00- 130.00	100.00
9.667	9.667 (1.023)	99	47322			33.59- 93.59	63.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride						CAS #: 56-23-5	
9.833	9.833 (1.041)	119	54836	0.50000	0.4111	70.00- 130.00	100.00
9.833	9.833 (1.041)	117	62281			76.33- 136.33	113.58
56 Benzene						CAS #: 71-43-2	
10.137	10.137 (0.946)	78	138644	0.50000	0.4756	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	36716			0.00- 30.00	26.48
55 2,2,4-Trimethylpentane						CAS #: 540-84-1	
10.137	10.137 (1.073)	56	126628	0.50000	0.4436	70.00- 130.00	100.00
10.137	10.137 (1.073)	99	12757			0.00- 30.00	10.07
10.137	10.137 (1.073)	41	92827			0.00- 30.00	73.31
58 1,2-Dichloroethane						CAS #: 107-06-2	
10.275	10.275 (0.959)	62	79852	0.50000	0.4807	70.00- 130.00	100.00
10.275	10.275 (0.959)	64	24984			0.00- 30.00	31.29
59 Heptane						CAS #: 142-82-5	
10.386	10.386 (0.969)	43	167409	0.50000	0.4837	70.00- 130.00	100.00
10.386	10.386 (0.969)	57	82808			0.00- 30.00	49.46
10.386	10.386 (0.969)	100	17011			0.00- 30.00	10.16
61 Trichloroethene						CAS #: 79-01-6	
11.049	11.049 (1.031)	130	52180	0.50000	0.4863	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	58340			0.00- 30.00	111.81
11.049	11.049 (1.031)	97	38019			0.00- 30.00	72.86
64 1,2-Dichloropropane						CAS #: 78-87-5	
11.492	11.492 (1.072)	63	63397	0.50000	0.4257	70.00- 130.00	100.00
11.492	11.492 (1.072)	62	53003			44.90- 104.90	83.60
11.492	11.492 (1.072)	41	50762			35.38- 95.38	80.07
65 1,4-Dioxane						CAS #: 123-91-1	
11.685	11.685 (1.090)	88	29942	0.50000	0.4722	70.00- 130.00	100.00
11.685	11.685 (1.090)	58	37808			101.73- 161.73	126.27
11.685	11.685 (1.090)	57	13118			0.00- 30.00	43.81
66 Bromodichloromethane						CAS #: 75-27-4	
11.962	11.962 (1.116)	83	85244	0.50000	0.4874	70.00- 130.00	100.00
11.962	11.962 (1.116)	85	53000			34.06- 94.06	62.17
67 cis-1,3-Dichloropropene						CAS #: 10061-01-5	
12.874	12.874 (1.201)	75	64289	0.50000	0.4508	70.00- 130.00	100.00
12.874	12.874 (1.201)	77	17384			0.76- 60.76	27.04
12.874	12.874 (1.201)	39	54353			52.56- 112.56	84.54

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	178304	0.50000	0.4475	70.00- 130.00	100.00
13.178	13.178 (1.230)	58	70545			0.00- 30.00	39.56
13.178	13.178 (1.230)	85	17243			0.00- 30.00	9.67
72 Toluene					CAS #: 108-88-3		
13.455	13.455 (1.255)	91	145821	0.50000	0.4556	70.00- 130.00	100.00
13.427	13.427 (1.253)	92	94534			30.90- 90.90	64.83
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.035	14.035 (0.882)	75	61016	0.50000	0.4396	70.00- 130.00	100.00
14.008	14.008 (0.880)	77	25276			1.70- 61.70	41.43
14.008	14.008 (0.880)	39	53136			50.51- 110.51	87.09
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	50234	0.50000	0.4668	70.00- 130.00	100.00
14.340	14.340 (0.901)	99	32886			32.57- 92.57	65.47
14.340	14.340 (0.901)	83	49993			57.39- 117.39	99.52
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	56203	0.50000	0.4955	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	51012			53.39- 113.39	90.76
14.423	14.423 (0.906)	131	41705			50.38- 110.38	74.20
76 2-Hexanone					CAS #: 591-78-6		
14.754	14.754 (0.927)	58	91712	0.50000	0.4323	70.00- 130.00	100.00
14.754	14.754 (0.927)	43	171454			155.80- 215.80	186.95
14.782	14.782 (0.929)	100	10139			0.00- 30.00	11.06
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	68455	0.50000	0.4842	70.00- 130.00	100.00
14.976	14.976 (0.941)	127	49603			0.00- 30.00	72.46
14.976	14.976 (0.941)	208	4671			0.00- 30.00	6.82
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	74353	0.50000	0.4676	70.00- 130.00	100.00
15.197	15.197 (0.955)	109	72271			64.79- 124.79	97.20
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	127220	0.50000	0.4820	70.00- 130.00	100.00
15.971	15.971 (1.003)	114	39908			1.49- 61.49	31.37
15.971	15.971 (1.003)	77	97278			36.08- 96.08	76.46
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	63904	0.50000	0.4517	70.00- 130.00	100.00
16.109	16.109 (1.012)	91	221376			0.00- 30.00	346.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	90174	0.50000	0.4865	70.00- 130.00	100.00
16.303	16.303 (1.024)	91	184128			0.00- 30.00	204.19
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	83971	0.50000	0.4936	70.00- 130.00	100.00
16.911	16.911 (1.063)	91	180899			188.86- 248.86	215.43
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	125551	0.50000	0.4447	70.00- 130.00	100.00
16.966	16.966 (1.066)	78	68360			21.36- 81.36	54.45
89 Bromoform					CAS #: 75-25-2		
17.270	17.270 (1.085)	173	52859	0.50000	0.4213	70.00- 130.00	100.00
17.270	17.270 (1.085)	171	27512			21.23- 81.23	52.05
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	246154	0.50000	0.4934	70.00- 130.00	100.00
17.464	17.464 (1.097)	120	59589			0.00- 55.21	24.21
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	119366	0.50000	0.4604	70.00- 130.00	100.00
18.045	18.045 (1.134)	85	73210			33.36- 93.36	61.33
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	291604	0.50000	0.4671	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	57713			0.00- 30.00	19.79
97 4-Ethyltoluene					CAS #: 622-96-8		
18.293	18.293 (1.149)	105	257820	0.50000	0.4714	70.00- 130.00	100.00
18.293	18.293 (1.149)	120	70160			0.00- 57.80	27.21
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	208576	0.50000	0.4634	70.00- 130.00	100.00
18.404	18.404 (1.156)	120	101094			16.81- 76.81	48.47
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	196721	0.50000	0.4510	70.00- 130.00	100.00
19.040	19.040 (1.196)	120	86697			12.48- 72.48	44.07
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.482	19.482 (1.224)	146	111386	0.50000	0.4778	70.00- 130.00	100.00
19.482	19.482 (1.224)	148	71098			0.00- 30.00	63.83
19.482	19.482 (1.224)	111	55017			0.00- 30.00	49.39
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	111710	0.50000	0.4644	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	70164			0.00- 30.00	62.81
19.621	19.621 (1.233)	111	53564			0.00- 30.00	47.95
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	105496	0.50000	0.3350	70.00- 130.00	100.00
19.814	19.814 (1.245)	126	17281			0.00- 30.00	16.38
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	99599	0.50000	0.4394	70.00- 130.00	100.00
20.118	20.118 (1.264)	148	64586			32.79- 92.79	64.85
20.118	20.118 (1.264)	111	58824			20.92- 80.92	59.06
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	87454	0.50000	0.4867	70.00- 130.00	100.00
21.916	21.916 (1.377)	182	79174			63.86- 123.86	90.53
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	71108	0.50000	0.4824	70.00- 130.00	100.00
22.054	22.054 (1.386)	223	43221			0.00- 30.00	60.78
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	179381	0.50000	0.4656	70.00- 130.00	100.00
22.220	22.220 (1.396)	127	28609			0.00- 30.00	15.95
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	86072	0.50000	0.4954	70.00- 130.00	100.00
11.243	11.243 (1.190)	98	39089			0.00- 30.00	45.41
11.243	11.243 (1.190)	55	128757			0.00- 30.00	149.59
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	9141	0.50000	0.4355	70.00- 130.00	100.00
3.556	3.556 (0.376)	43	84121			0.00- 30.00	920.26
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.897	7.897 (0.836)	59	110419	0.50000	0.4757	70.00- 130.00	100.00
7.897	7.897 (0.836)	41	71757			0.00- 30.00	64.99
7.925	7.925 (0.839)	57	58628			0.00- 30.00	53.10

Report Date: 25-Apr-2008 10:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042421.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 2ppbv-0.5ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	439303	0.50
60 1,4-Difluorobenze	1950663	1170398	2730928	1983248	1.67
80 Chlorobenzene-d5	1871396	1122838	2619954	1854752	-0.89

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042421.d

Date : 24-APR-2008 19:21

Client ID: Level 6

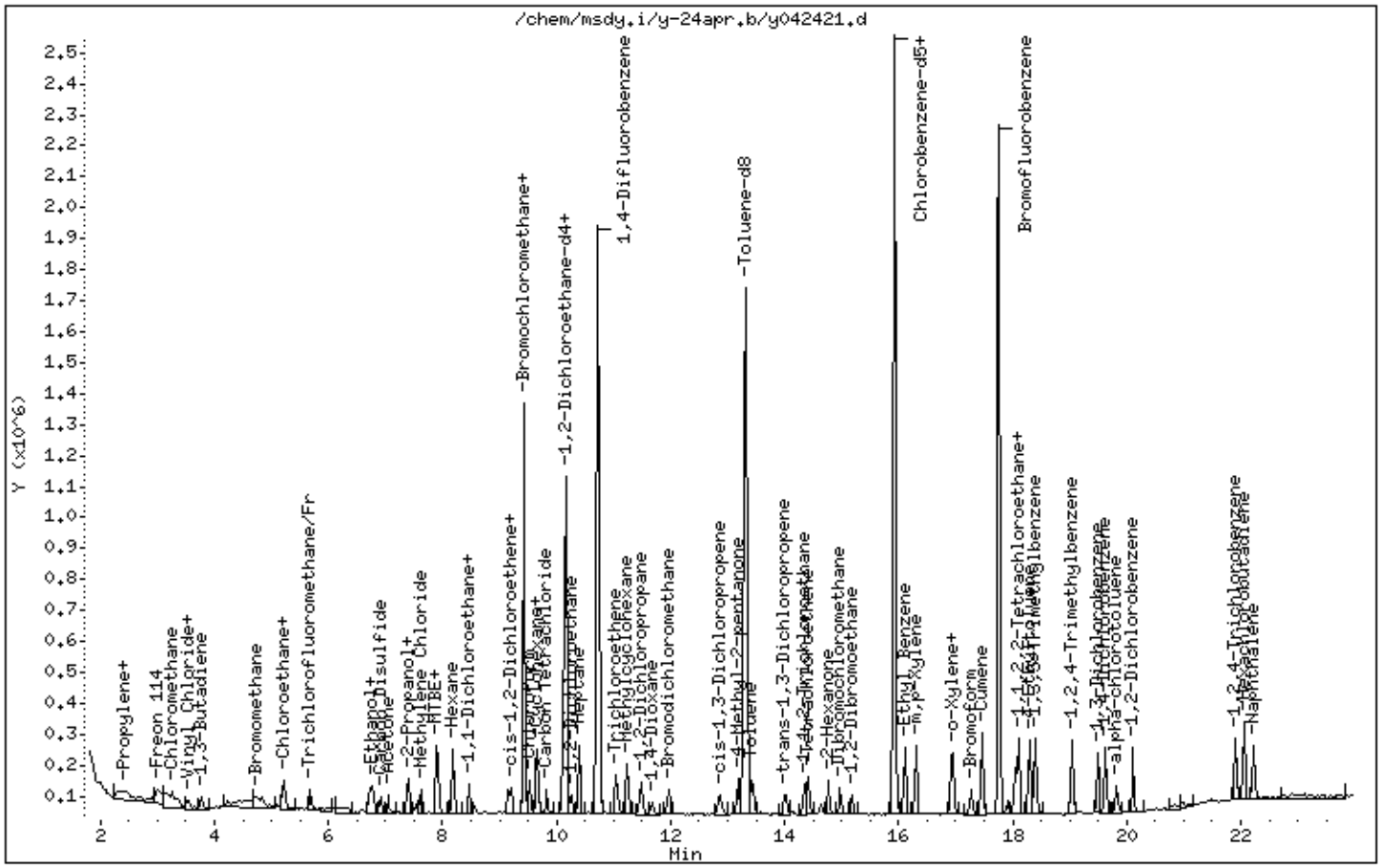
Instrument: msdy.i

Sample Info: 125ml #1541-128

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-16may.b/y051604.d
Lab Smp Id: ICAl Client Smp ID: Level 7
Inj Date : 16-MAY-2008 10:59
Operator : se Inst ID: msdy.i
Smp Info : 125ml #1541-174 2.0ppbv
Misc Info : 2.0ppbv
Comment :
Method : /chem/msdy.i/y-16may.b/t14ll0424c.m
Meth Date : 19-May-2008 11:20 tsanfel Quant Type: ISTD
Cal Date : 16-MAY-2008 10:59 Cal File: y051604.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4c.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	304786	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	232085			0.00- 30.00		76.15
9.446	9.446 (1.000)	49	1088894			0.00- 30.00		357.27
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.745	10.745 (1.000)	114	1005647	10.0000		70.00- 130.00		100.00
10.745	10.745 (1.000)	88	162476			0.00- 47.29		16.16
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	966052	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	606986			0.00- 30.00		62.83
15 Vinyl Bromide						CAS #: 593-60-2		
5.547	5.547 (0.587)	106	67478	2.00000	1.918	70.00- 130.00		100.00
5.547	5.547 (0.587)	108	65152			0.00- 30.00		96.55
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.538 (0.798)	41	362206	2.00000	2.897	70.00- 130.00		100.00
7.538	7.538 (0.798)	40	197943			0.00- 30.00		54.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.538	7.538 (0.798)	39	78160			0.00- 30.00	21.58
31 Acrylonitrile					CAS #: 107-13-1		
8.063	8.063 (0.854)	53	161767	2.00000	1.758	70.00- 130.00	100.00
8.063	8.063 (0.854)	52	140953			0.00- 30.00	87.13
37 Chloroprene					CAS #: 126-99-8		
8.561	8.561 (0.906)	53	153231	2.00000	1.300	70.00- 130.00	100.00
8.561	8.561 (0.906)	88	45508			0.00- 30.00	29.70

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y051604.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-16may.b/t14ll0424c.m
Misc Info: 2.0ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 11:38
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	355674	213404	497944	304786	-14.31
60 1,4-Difluorobenze	1232011	739207	1724815	1005647	-18.37
80 Chlorobenzene-d5	1154110	692466	1615754	966052	-16.29

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-16may.b/y051604.d

Date : 16-MAY-2008 10:59

Client ID: Level 7

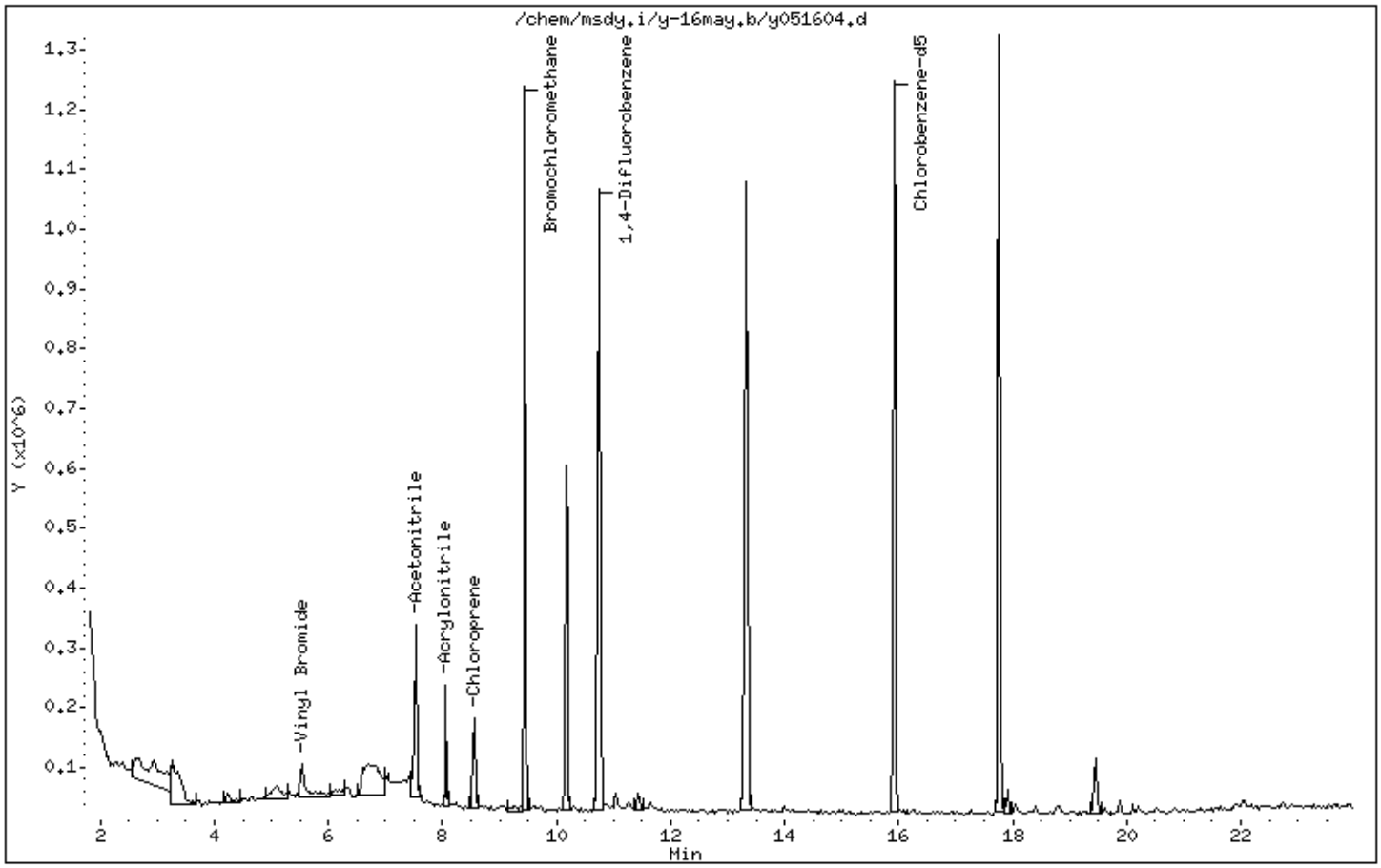
Instrument: msdy.i

Sample Info: 125ml #1541-174 2.0ppbv

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042422.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 24-APR-2008 19:59
Operator : cb Inst ID: msdy.i
Smp Info : 500ml #1541-128
Misc Info : 2ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 19:59 Cal File: y042422.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	403153	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	304771			0.00- 30.00		75.60
9.418	9.418 (1.000)	49	1325057			0.00- 30.00		328.67
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1845234	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	321298			0.00- 47.57		17.41
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1816485	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1165735			0.00- 30.00		64.18
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	799956	10.0000	9.774	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	368170			0.00- 30.00		46.02
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1917769	10.0000	10.171	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	233411			0.00- 41.41		12.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1327664			37.44- 97.44	69.23
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	947809	10.0000	10.092	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1628982			143.81- 203.81	171.87
17.768	17.768 (1.116)	176	896251			65.44- 125.44	94.56
2 Propylene					CAS #: 115-07-1		
2.257	2.257 (0.239)	41	155104	2.00000	2.017	70.00- 130.00	100.00
2.257	2.257 (0.239)	42	89652			0.00- 30.00	57.80
2.257	2.257 (0.239)	39	106819			0.00- 30.00	68.87
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.423	2.423 (0.256)	85	277531	2.00000	1.862	70.00- 130.00	100.00
2.423	2.423 (0.256)	87	84754			1.10- 61.10	30.54
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	137519	2.00000	1.731	70.00- 130.00	100.00
3.031	3.031 (0.321)	137	42988			0.00- 30.00	31.26
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	218082	2.00000	1.909	70.00- 130.00	100.00
3.169	3.169 (0.336)	52	68048			0.00- 30.00	31.20
9 Vinyl Chloride					CAS #: 75-01-4		
3.612	3.612 (0.382)	62	154840	2.00000	1.830	70.00- 130.00	100.00
3.639	3.639 (0.385)	64	41885			0.00- 57.10	27.05
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	117289	2.00000	1.625	70.00- 130.00	100.00
3.778	3.778 (0.400)	39	100585			0.00- 30.00	85.76
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	73584	2.00000	2.211	70.00- 130.00	100.00
4.745	4.745 (0.502)	96	73970			68.68- 128.68	100.52
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	67521	2.00000	1.992	70.00- 130.00	100.00
5.105	5.105 (0.540)	66	19470			0.00- 30.00	28.84
5.105	5.105 (0.540)	49	23748			0.00- 30.00	35.17
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	168597	2.00000	1.864	70.00- 130.00	100.00
5.215	5.215 (0.552)	43	250510			0.00- 30.00	148.59
5.215	5.215 (0.552)	42	210882			0.00- 30.00	125.08

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	260209	2.00000	1.788	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	157162			33.96- 93.96	60.40
17 Ethanol					CAS #: 64-17-5		
6.570	6.570 (0.696)	45	94043	2.00000	1.884	70.00- 130.00	100.00
6.570	6.570 (0.696)	43	22693			0.00- 30.00	24.13
6.570	6.570 (0.696)	46	41640			0.00- 30.00	44.28
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	48122	2.00000	1.417	70.00- 130.00	100.00
6.736	6.736 (0.713)	61	229177			0.00- 30.00	476.24
6.736	6.736 (0.713)	96	72843			0.00- 30.00	151.37
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	115685	2.00000	1.587	70.00- 130.00	100.00
6.764	6.764 (0.716)	153	67702			32.64- 92.64	58.52
6.764	6.764 (0.716)	101	161024			0.00- 30.00	139.19
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	215624	2.00000	1.240	70.00- 130.00	100.00
24 Acetone					CAS #: 67-64-1		
7.040	7.040 (0.745)	43	269803	2.00000	1.508	70.00- 130.00	100.00
7.040	7.040 (0.745)	58	85000			0.00- 30.00	31.50
28 2-Propanol					CAS #: 67-63-0		
7.400	7.400 (0.783)	45	270597	2.00000	1.402	70.00- 130.00	100.00
7.400	7.400 (0.783)	43	57700			0.00- 30.00	21.32
7.400	7.400 (0.783)	59	14580			0.00- 30.00	5.39
22 3-Chloroprene					CAS #: 107-05-1		
7.372	7.372 (0.780)	76	34716	2.00000	1.378	70.00- 130.00	100.00
7.372	7.372 (0.780)	41	188976			0.00- 30.00	544.35
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	50045	2.00000	0.9496	70.00- 130.00	100.00
7.621	7.621 (0.807)	49	136244			232.33- 292.33	272.24
7.621	7.621 (0.807)	51	54824			0.00- 30.00	109.55
32 MTBE					CAS #: 1634-04-4		
7.925	7.925 (0.839)	73	245432	2.00000	1.243	70.00- 130.00	100.00
7.925	7.925 (0.839)	57	162114			0.00- 30.00	66.05
7.925	7.925 (0.839)	41	191013			0.00- 30.00	77.83
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	43206	2.00000	1.018	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	178880			0.00- 30.00	414.02
7.897	7.897 (0.836)	96	69588			0.00- 30.00	161.06
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	496241	2.00000	1.968	70.00- 130.00	100.00
8.174	8.174 (0.865)	43	356301			0.00- 30.00	71.80
8.174	8.174 (0.865)	86	46931			0.00- 30.00	9.46
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	394792	2.00000	1.912	70.00- 130.00	100.00
8.478	8.478 (0.898)	65	113331			0.00- 57.91	28.71
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	524832	2.00000	2.822	70.00- 130.00	100.00
8.561	8.561 (0.906)	42	40174			0.00- 30.00	7.65
8.561	8.561 (0.906)	86	27090			0.00- 30.00	5.16
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.169	9.169 (0.971)	98	92967	2.00000	1.822	70.00- 130.00	100.00
9.142	9.142 (0.968)	61	340600			310.78- 370.78	366.37
9.169	9.169 (0.971)	96	151478			127.32- 187.32	162.94
44 2-Butanone					CAS #: 78-93-3		
9.225	9.225 (0.977)	72	85634	2.00000	1.903	70.00- 130.00	100.00
9.197	9.197 (0.974)	43	624026			693.85- 753.85	728.71
9.225	9.225 (0.977)	57	50481			0.00- 30.00	58.95
45 Tetrahydrofuran					CAS #: 109-99-9		
9.446	9.446 (1.000)	42	392217	2.00000	1.986	70.00- 130.00	100.00
9.446	9.446 (1.000)	71	83361			0.00- 30.00	21.25
9.446	9.446 (1.000)	72	86582			0.00- 30.00	22.08
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	294925	2.00000	1.917	70.00- 130.00	100.00
9.529	9.529 (1.009)	85	195033			33.18- 93.18	66.13
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.639 (1.020)	84	241092	2.00000	1.968	70.00- 130.00	100.00
9.639	9.639 (1.020)	56	573157			0.00- 30.00	237.73
9.639	9.639 (1.020)	41	285936			0.00- 30.00	118.60
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	308232	2.00000	1.999	70.00- 130.00	100.00
9.667	9.667 (1.023)	99	196632			33.59- 93.59	63.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	248903	2.00000	2.033	70.00- 130.00	100.00
9.833	9.833 (1.041)	117	253480			76.33- 136.33	101.84
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	534822	2.00000	1.972	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	127148			0.00- 30.00	23.77
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	523547	2.00000	1.998	70.00- 130.00	100.00
10.137	10.137 (1.073)	99	48313			0.00- 30.00	9.23
10.137	10.137 (1.073)	41	368367			0.00- 30.00	70.36
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	303522	2.00000	1.964	70.00- 130.00	100.00
10.275	10.275 (0.959)	64	97741			0.00- 30.00	32.20
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	638227	2.00000	1.982	70.00- 130.00	100.00
10.386	10.386 (0.969)	57	319223			0.00- 30.00	50.02
10.386	10.386 (0.969)	100	64480			0.00- 30.00	10.10
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	196619	2.00000	1.970	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	211000			0.00- 30.00	107.31
11.049	11.049 (1.031)	97	138117			0.00- 30.00	70.25
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	278371	2.00000	2.009	70.00- 130.00	100.00
11.492	11.492 (1.072)	62	202323			44.90- 104.90	72.68
11.492	11.492 (1.072)	41	181581			35.38- 95.38	65.23
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	134989	2.00000	2.288	70.00- 130.00	100.00
11.685	11.685 (1.090)	58	173798			101.73- 161.73	128.75
11.685	11.685 (1.090)	57	53218			0.00- 30.00	39.42
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	328599	2.00000	2.019	70.00- 130.00	100.00
11.962	11.962 (1.116)	85	198502			34.06- 94.06	60.41
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	272963	2.00000	2.057	70.00- 130.00	100.00
12.874	12.874 (1.201)	77	84590			0.76- 60.76	30.99
12.874	12.874 (1.201)	39	219588			52.56- 112.56	80.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	754260	2.00000	2.035	70.00- 130.00	100.00
13.178	13.178 (1.230)	58	282460			0.00- 30.00	37.45
13.178	13.178 (1.230)	85	68365			0.00- 30.00	9.06
72 Toluene					CAS #: 108-88-3		
13.455	13.455 (1.255)	91	615510	2.00000	2.067	70.00- 130.00	100.00
13.455	13.455 (1.255)	92	372196			30.90- 90.90	60.47
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.036	14.036 (0.882)	75	269618	2.00000	1.984	70.00- 130.00	100.00
14.036	14.036 (0.882)	77	125939			1.70- 61.70	46.71
14.008	14.008 (0.880)	39	230766			50.51- 110.51	85.59
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	216957	2.00000	2.059	70.00- 130.00	100.00
14.340	14.340 (0.901)	99	130094			32.57- 92.57	59.96
14.340	14.340 (0.901)	83	188423			57.39- 117.39	86.85
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	218742	2.00000	1.969	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	189894			53.39- 113.39	86.81
14.423	14.423 (0.906)	131	185156			50.38- 110.38	84.65
76 2-Hexanone					CAS #: 591-78-6		
14.782	14.782 (0.929)	58	397262	2.00000	1.912	70.00- 130.00	100.00
14.782	14.782 (0.929)	43	744614			155.80- 215.80	187.44
14.782	14.782 (0.929)	100	45977			0.00- 30.00	11.57
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	267938	2.00000	1.935	70.00- 130.00	100.00
14.976	14.976 (0.941)	127	209035			0.00- 30.00	78.02
15.003	15.003 (0.943)	208	12855			0.00- 30.00	4.80
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	317850	2.00000	2.041	70.00- 130.00	100.00
15.197	15.197 (0.955)	109	292032			64.79- 124.79	91.88
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	517249	2.00000	2.001	70.00- 130.00	100.00
15.971	15.971 (1.003)	114	159506			1.49- 61.49	30.84
15.971	15.971 (1.003)	77	346962			36.08- 96.08	67.08
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	280271	2.00000	2.023	70.00- 130.00	100.00
16.109	16.109 (1.012)	91	963164			0.00- 30.00	343.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	359435	2.00000	1.980	70.00- 130.00	100.00
16.303	16.303 (1.024)	91	759785			0.00- 30.00	211.38
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	347115	2.00000	2.084	70.00- 130.00	100.00
16.911	16.911 (1.063)	91	748705			188.86- 248.86	215.69
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	558769	2.00000	2.021	70.00- 130.00	100.00
16.966	16.966 (1.066)	78	287189			21.36- 81.36	51.40
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	240535	2.00000	1.957	70.00- 130.00	100.00
17.271	17.271 (1.085)	171	123522			21.23- 81.23	51.35
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	953795	2.00000	1.952	70.00- 130.00	100.00
17.464	17.464 (1.097)	120	244334			0.00- 55.21	25.62
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	518221	2.00000	2.041	70.00- 130.00	100.00
18.045	18.045 (1.134)	85	336395			33.36- 93.36	64.91
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	1260124	2.00000	2.061	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	261863			0.00- 30.00	20.78
97 4-Ethyltoluene					CAS #: 622-96-8		
18.294	18.294 (1.149)	105	1054438	2.00000	1.969	70.00- 130.00	100.00
18.294	18.294 (1.149)	120	304774			0.00- 57.80	28.90
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	896241	2.00000	2.033	70.00- 130.00	100.00
18.404	18.404 (1.156)	120	407165			16.81- 76.81	45.43
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	856744	2.00000	2.006	70.00- 130.00	100.00
19.040	19.040 (1.196)	120	371326			12.48- 72.48	43.34
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.483	19.483 (1.224)	146	475092	2.00000	2.081	70.00- 130.00	100.00
19.483	19.483 (1.224)	148	292025			0.00- 30.00	61.47
19.483	19.483 (1.224)	111	237324			0.00- 30.00	49.95
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	474195	2.00000	2.013	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	309043			0.00- 30.00	65.17
19.621	19.621 (1.233)	111	230692			0.00- 30.00	48.65
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	569594	2.00000	1.847	70.00- 130.00	100.00
19.814	19.814 (1.245)	126	104686			0.00- 30.00	18.38
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	460985	2.00000	2.076	70.00- 130.00	100.00
20.118	20.118 (1.264)	148	294899			32.79- 92.79	63.97
20.118	20.118 (1.264)	111	229320			20.92- 80.92	49.75
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	340693	2.00000	1.936	70.00- 130.00	100.00
21.916	21.916 (1.377)	182	326804			63.86- 123.86	95.92
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	295224	2.00000	2.045	70.00- 130.00	100.00
22.054	22.054 (1.386)	223	184525			0.00- 30.00	62.50
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	713579	2.00000	1.891	70.00- 130.00	100.00
22.220	22.220 (1.396)	127	90354			0.00- 30.00	12.66
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	314902	2.00000	1.975	70.00- 130.00	100.00
11.243	11.243 (1.190)	98	153935			0.00- 30.00	48.88
11.243	11.243 (1.190)	55	502572			0.00- 30.00	159.60
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	34087	2.00000	1.770	70.00- 130.00	100.00
3.556	3.556 (0.376)	43	302956			0.00- 30.00	888.77
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.925	7.925 (0.839)	59	369781	2.00000	1.736	70.00- 130.00	100.00
7.925	7.925 (0.839)	41	191013			0.00- 30.00	51.66
7.925	7.925 (0.839)	57	162114			0.00- 30.00	43.84

Report Date: 25-Apr-2008 10:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042422.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 2ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	403153	-7.77
60 1,4-Difluorobenze	1950663	1170398	2730928	1845234	-5.40
80 Chlorobenzene-d5	1871396	1122838	2619954	1816485	-2.93

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042422.d

Date : 24-APR-2008 19:59

Client ID: Level 7

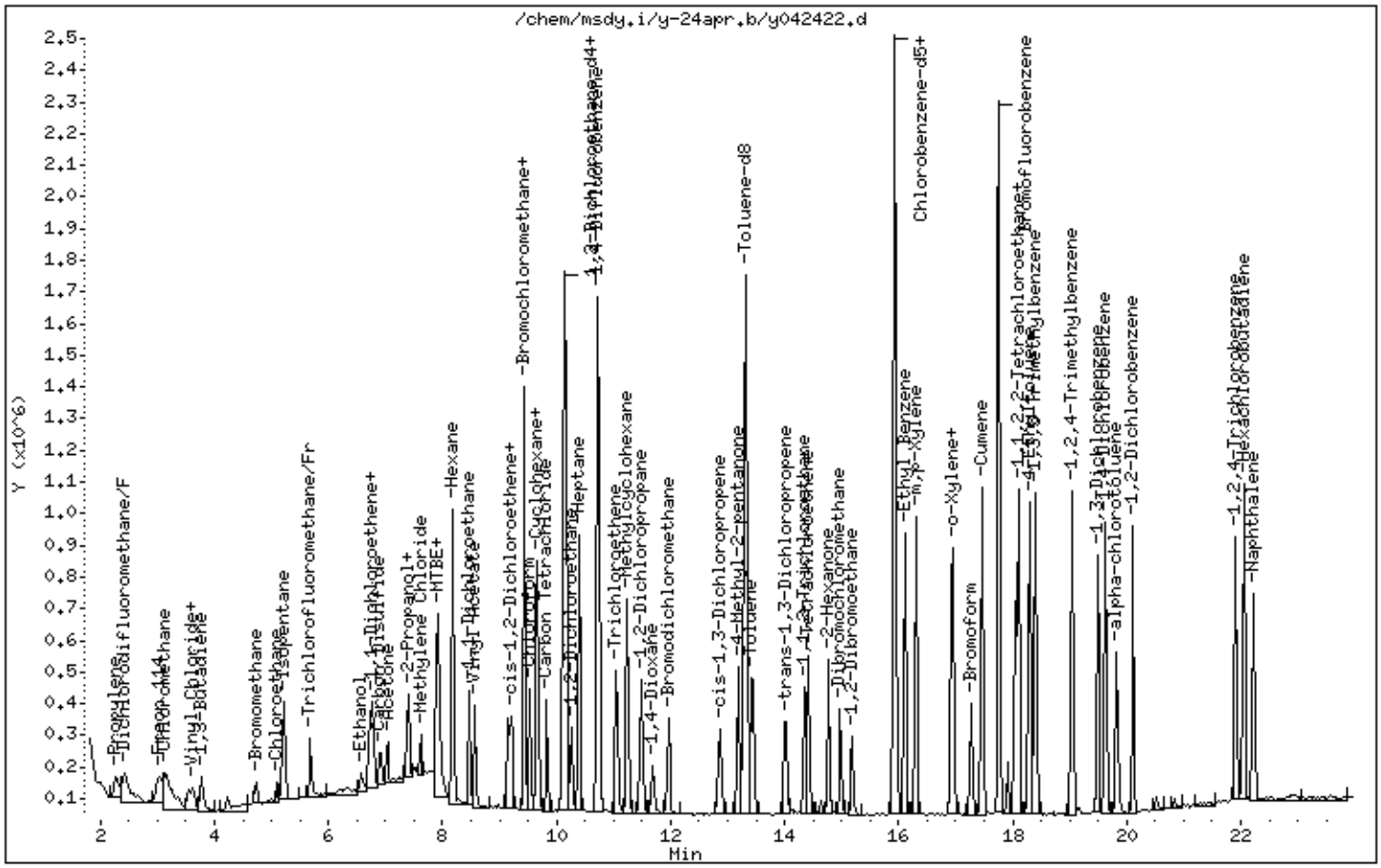
Instrument: msdy.i

Sample Info: 500ml #1541-128

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042423.d
Lab Smp Id: ICAL Client Smp ID: Level 8
Inj Date : 24-APR-2008 20:28
Operator : cb Inst ID: msdy.i
Smp Info : 50ml #1541-95
Misc Info : 50ppbv-5ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 20:28 Cal File: y042423.d
Als bottle: 1 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	412770	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	340844			0.00- 30.00		82.57
9.418	9.418 (1.000)	49	1427320			0.00- 30.00		345.79
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1915841	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	350728			0.00- 47.57		18.31
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1834308	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1154290			0.00- 30.00		62.93
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	836919	10.0000	9.988	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	394613			0.00- 30.00		47.15
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1960236	10.0000	10.013	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	234741			0.00- 41.41		11.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1332362			37.44- 97.44	67.97
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	952060	10.0000	10.039	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1622896			143.81- 203.81	170.46
17.768	17.768 (1.116)	176	892055			65.44- 125.44	93.70
2 Propylene					CAS #: 115-07-1		
2.257	2.257 (0.239)	41	382117	5.00000	4.853	70.00- 130.00	100.00
2.285	2.285 (0.242)	42	261371			0.00- 30.00	68.40
2.257	2.257 (0.239)	39	263631			0.00- 30.00	68.99
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	770713	5.00000	5.050	70.00- 130.00	100.00
2.423	2.423 (0.256)	87	236067			1.10- 61.10	30.63
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	402878	5.00000	4.952	70.00- 130.00	100.00
3.031	3.031 (0.321)	137	110296			0.00- 30.00	27.38
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	566421	5.00000	4.843	70.00- 130.00	100.00
3.169	3.169 (0.336)	52	163106			0.00- 30.00	28.80
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	417981	5.00000	4.825	70.00- 130.00	100.00
3.639	3.639 (0.385)	64	112589			0.00- 57.10	26.94
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	380494	5.00000	5.149	70.00- 130.00	100.00
3.778	3.778 (0.400)	39	345944			0.00- 30.00	90.92
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	160781	5.00000	4.719	70.00- 130.00	100.00
4.745	4.745 (0.502)	96	153658			68.68- 128.68	95.57
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	161067	5.00000	4.642	70.00- 130.00	100.00
5.105	5.105 (0.540)	66	41967			0.00- 30.00	26.06
5.105	5.105 (0.540)	49	60974			0.00- 30.00	37.86
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	496420	5.00000	5.361	70.00- 130.00	100.00
5.215	5.215 (0.552)	43	737283			0.00- 30.00	148.52
5.215	5.215 (0.552)	42	621998			0.00- 30.00	125.30

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	793960	5.00000	5.328	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	508379			33.96- 93.96	64.03
17 Ethanol					CAS #: 64-17-5		
6.570	6.570 (0.696)	45	225924	5.00000	4.421	70.00- 130.00	100.00
6.570	6.570 (0.696)	43	40457			0.00- 30.00	17.91
6.570	6.570 (0.696)	46	95049			0.00- 30.00	42.07
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	192666	5.00000	5.540	70.00- 130.00	100.00
6.736	6.736 (0.713)	61	825964			0.00- 30.00	428.70
6.736	6.736 (0.713)	96	299490			0.00- 30.00	155.45
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	411290	5.00000	5.510	70.00- 130.00	100.00
6.791	6.791 (0.719)	153	240147			32.64- 92.64	58.39
6.764	6.764 (0.716)	101	573129			0.00- 30.00	139.35
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	1021033	5.00000	5.735	70.00- 130.00	100.00
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	1022652	5.00000	5.584	70.00- 130.00	100.00
7.013	7.013 (0.742)	58	327869			0.00- 30.00	32.06
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	809048	5.00000	4.095	70.00- 130.00	100.00
7.372	7.372 (0.780)	43	137154			0.00- 30.00	16.95
7.372	7.372 (0.780)	59	29312			0.00- 30.00	3.62
22 3-Chloroprene					CAS #: 107-05-1		
7.372	7.372 (0.780)	76	155043	5.00000	6.013	70.00- 130.00	100.00
7.372	7.372 (0.780)	41	965932			0.00- 30.00	623.01
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	311585	5.00000	5.774	70.00- 130.00	100.00
7.621	7.621 (0.807)	49	802634			232.33- 292.33	257.60
7.621	7.621 (0.807)	51	247025			0.00- 30.00	79.28
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	1083350	5.00000	5.360	70.00- 130.00	100.00
7.897	7.897 (0.836)	57	479328			0.00- 30.00	44.24
7.897	7.897 (0.836)	41	496538			0.00- 30.00	45.83
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	236072	5.00000	5.430	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	946262			0.00- 30.00	400.84
7.897	7.897 (0.836)	96	379139			0.00- 30.00	160.60
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	1319097	5.00000	5.108	70.00- 130.00	100.00
8.174	8.174 (0.865)	43	885183			0.00- 30.00	67.11
8.174	8.174 (0.865)	86	120976			0.00- 30.00	9.17
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	1107387	5.00000	5.238	70.00- 130.00	100.00
8.478	8.478 (0.898)	65	301611			0.00- 57.91	27.24
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	568076	5.00000	2.983	70.00- 130.00	100.00
8.561	8.561 (0.906)	42	42438			0.00- 30.00	7.47
8.561	8.561 (0.906)	86	28785			0.00- 30.00	5.07
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.142	9.142 (0.968)	98	261501	5.00000	5.005	70.00- 130.00	100.00
9.142	9.142 (0.968)	61	936366			310.78- 370.78	358.07
9.142	9.142 (0.968)	96	425238			127.32- 187.32	162.61
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	213342	5.00000	4.631	70.00- 130.00	100.00
9.197	9.197 (0.974)	43	1660254			693.85- 753.85	778.21
9.197	9.197 (0.974)	57	116533			0.00- 30.00	54.62
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	1010898	5.00000	4.999	70.00- 130.00	100.00
9.446	9.446 (1.000)	71	205115			0.00- 30.00	20.29
9.418	9.418 (0.997)	72	216925			0.00- 30.00	21.46
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	833071	5.00000	5.289	70.00- 130.00	100.00
9.529	9.529 (1.009)	85	537043			33.18- 93.18	64.47
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.639 (1.020)	84	645555	5.00000	5.146	70.00- 130.00	100.00
9.639	9.639 (1.020)	56	1498823			0.00- 30.00	232.18
9.639	9.639 (1.020)	41	749604			0.00- 30.00	116.12
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	779182	5.00000	4.937	70.00- 130.00	100.00
9.667	9.667 (1.023)	99	505044			33.59- 93.59	64.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	657626	5.00000	5.247	70.00- 130.00	100.00
9.833	9.833 (1.041)	117	716132			76.33- 136.33	108.90
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	1395433	5.00000	4.956	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	320135			0.00- 30.00	22.94
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	1372301	5.00000	5.116	70.00- 130.00	100.00
10.137	10.137 (1.073)	99	117679			0.00- 30.00	8.58
10.137	10.137 (1.073)	41	926305			0.00- 30.00	67.50
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	815141	5.00000	5.080	70.00- 130.00	100.00
10.275	10.275 (0.959)	64	238604			0.00- 30.00	29.27
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	1709631	5.00000	5.113	70.00- 130.00	100.00
10.386	10.386 (0.969)	57	855238			0.00- 30.00	50.02
10.386	10.386 (0.969)	100	158683			0.00- 30.00	9.28
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	536069	5.00000	5.172	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	597648			0.00- 30.00	111.49
11.049	11.049 (1.031)	97	382001			0.00- 30.00	71.26
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	747787	5.00000	5.198	70.00- 130.00	100.00
11.492	11.492 (1.072)	62	554186			44.90- 104.90	74.11
11.492	11.492 (1.072)	41	480217			35.38- 95.38	64.22
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	247322	5.00000	4.038	70.00- 130.00	100.00
11.658	11.658 (1.088)	58	323154			101.73- 161.73	130.66
11.658	11.658 (1.088)	57	97514			0.00- 30.00	39.43
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	874119	5.00000	5.174	70.00- 130.00	100.00
11.962	11.962 (1.116)	85	556654			34.06- 94.06	63.68
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	690324	5.00000	5.011	70.00- 130.00	100.00
12.874	12.874 (1.201)	77	219075			0.76- 60.76	31.74
12.874	12.874 (1.201)	39	575699			52.56- 112.56	83.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	1909977	5.00000	4.963	70.00- 130.00	100.00
13.178	13.178 (1.230)	58	731026			0.00- 30.00	38.27
13.178	13.178 (1.230)	85	169002			0.00- 30.00	8.85
72 Toluene					CAS #: 108-88-3		
13.427	13.427 (1.253)	91	1584135	5.00000	5.124	70.00- 130.00	100.00
13.427	13.427 (1.253)	92	942383			30.90- 90.90	59.49
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.008	14.008 (0.880)	75	693457	5.00000	5.052	70.00- 130.00	100.00
14.008	14.008 (0.880)	77	228267			1.70- 61.70	32.92
14.008	14.008 (0.880)	39	551963			50.51- 110.51	79.60
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	542142	5.00000	5.094	70.00- 130.00	100.00
14.340	14.340 (0.901)	99	335233			32.57- 92.57	61.83
14.340	14.340 (0.901)	83	493718			57.39- 117.39	91.07
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	580601	5.00000	5.175	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	490269			53.39- 113.39	84.44
14.423	14.423 (0.906)	131	470279			50.38- 110.38	81.00
76 2-Hexanone					CAS #: 591-78-6		
14.755	14.755 (0.927)	58	985950	5.00000	4.699	70.00- 130.00	100.00
14.755	14.755 (0.927)	43	1841890			155.80- 215.80	186.81
14.755	14.755 (0.927)	100	121774			0.00- 30.00	12.35
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	731534	5.00000	5.232	70.00- 130.00	100.00
14.976	14.976 (0.941)	127	571188			0.00- 30.00	78.08
15.003	15.003 (0.943)	208	43616			0.00- 30.00	5.96
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	807317	5.00000	5.134	70.00- 130.00	100.00
15.197	15.197 (0.955)	109	776236			64.79- 124.79	96.15
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	1315724	5.00000	5.040	70.00- 130.00	100.00
15.971	15.971 (1.003)	114	416856			1.49- 61.49	31.68
15.971	15.971 (1.003)	77	891808			36.08- 96.08	67.78
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	725795	5.00000	5.187	70.00- 130.00	100.00
16.109	16.109 (1.012)	91	2388138			0.00- 30.00	329.04

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	936045	5.00000	5.106	70.00- 130.00	100.00
16.303	16.303 (1.024)	91	1964323			0.00- 30.00	209.85
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	860876	5.00000	5.117	70.00- 130.00	100.00
16.911	16.911 (1.063)	91	1935019			188.86- 248.86	224.77
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	1455729	5.00000	5.213	70.00- 130.00	100.00
16.966	16.966 (1.066)	78	749225			21.36- 81.36	51.47
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	653893	5.00000	5.270	70.00- 130.00	100.00
17.271	17.271 (1.085)	171	339486			21.23- 81.23	51.92
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	2525725	5.00000	5.119	70.00- 130.00	100.00
17.464	17.464 (1.097)	120	626491			0.00- 55.21	24.80
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	1265800	5.00000	4.936	70.00- 130.00	100.00
18.045	18.045 (1.134)	85	821727			33.36- 93.36	64.92
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	3182840	5.00000	5.155	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	653245			0.00- 30.00	20.52
97 4-Ethyltoluene					CAS #: 622-96-8		
18.294	18.294 (1.149)	105	2751459	5.00000	5.087	70.00- 130.00	100.00
18.294	18.294 (1.149)	120	765739			0.00- 57.80	27.83
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	2229538	5.00000	5.009	70.00- 130.00	100.00
18.404	18.404 (1.156)	120	1037425			16.81- 76.81	46.53
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	2175656	5.00000	5.044	70.00- 130.00	100.00
19.040	19.040 (1.196)	120	931989			12.48- 72.48	42.84
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.483	19.483 (1.224)	146	1146121	5.00000	4.971	70.00- 130.00	100.00
19.483	19.483 (1.224)	148	723904			0.00- 30.00	63.16
19.483	19.483 (1.224)	111	567767			0.00- 30.00	49.54
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	1197585	5.00000	5.034	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	725534			0.00- 30.00	60.58
19.621	19.621 (1.233)	111	552818			0.00- 30.00	46.16
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	1336578	5.00000	4.292	70.00- 130.00	100.00
19.814	19.814 (1.245)	126	238788			0.00- 30.00	17.87
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	1093582	5.00000	4.878	70.00- 130.00	100.00
20.118	20.118 (1.264)	148	681897			32.79- 92.79	62.35
20.118	20.118 (1.264)	111	571951			20.92- 80.92	52.30
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	851516	5.00000	4.792	70.00- 130.00	100.00
21.916	21.916 (1.377)	182	810376			63.86- 123.86	95.17
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	709758	5.00000	4.869	70.00- 130.00	100.00
22.054	22.054 (1.386)	223	451057			0.00- 30.00	63.55
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	1755692	5.00000	4.608	70.00- 130.00	100.00
22.220	22.220 (1.396)	127	222403			0.00- 30.00	12.67
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	832961	5.00000	5.102	70.00- 130.00	100.00
11.243	11.243 (1.190)	98	398463			0.00- 30.00	47.84
11.243	11.243 (1.190)	55	1306908			0.00- 30.00	156.90
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	98931	5.00000	5.016	70.00- 130.00	100.00
3.556	3.556 (0.376)	43	759483			0.00- 30.00	767.69
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.897	7.897 (0.836)	59	271108	5.00000	1.243	70.00- 130.00	100.00
7.897	7.897 (0.836)	41	496538			0.00- 30.00	183.15
7.897	7.897 (0.836)	57	479328			0.00- 30.00	176.80

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042423.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 50ppbv-5ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 8
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	412770	-5.57
60 1,4-Difluorobenze	1950663	1170398	2730928	1915841	-1.79
80 Chlorobenzene-d5	1871396	1122838	2619954	1834308	-1.98

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042423.d

Date : 24-APR-2008 20:28

Client ID: Level 8

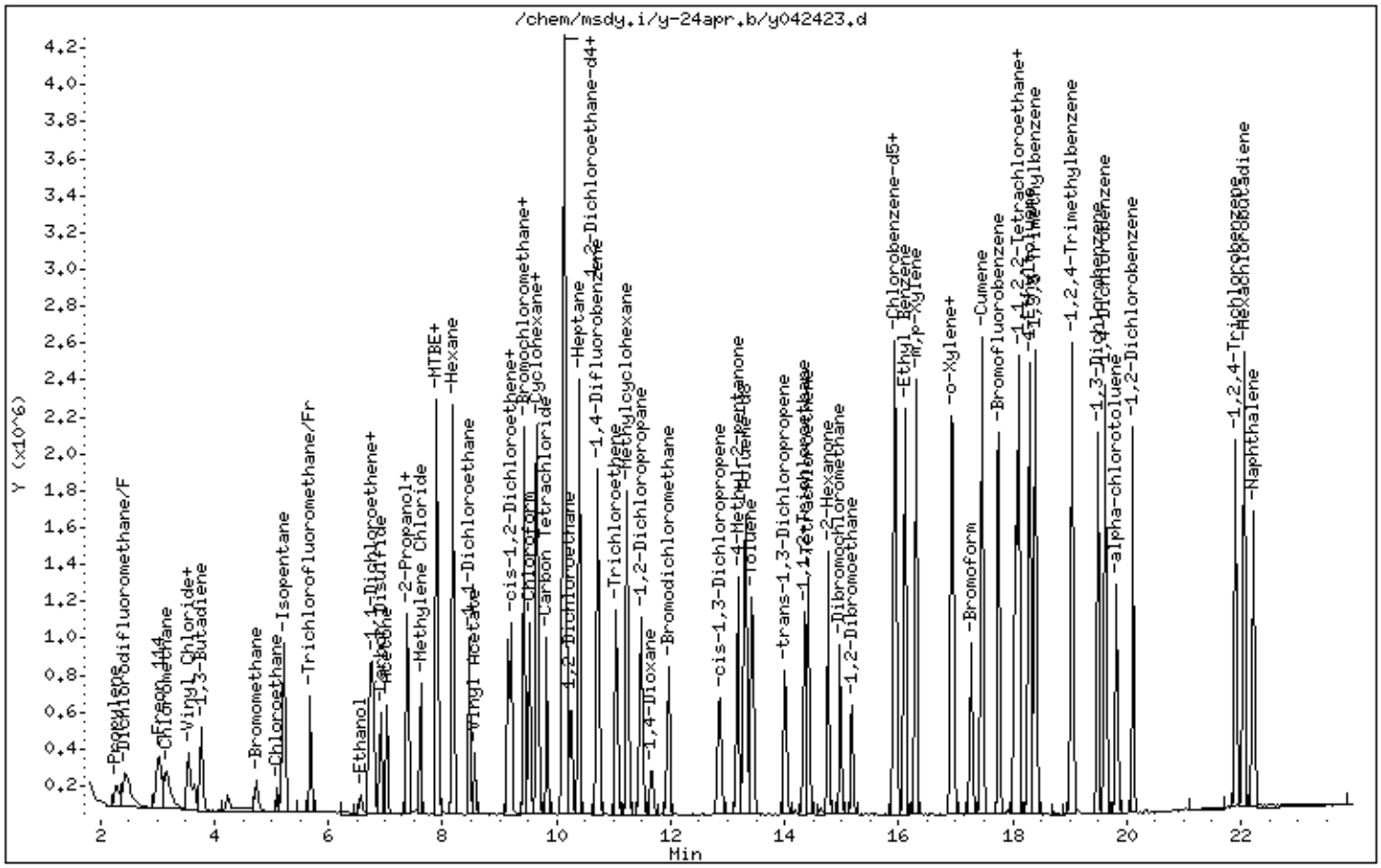
Instrument: msdy.i

Sample Info: 50ml #1541-95

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-16may.b/y051605.d
Lab Smp Id: ICAl Client Smp ID: Level 9
Inj Date : 16-MAY-2008 11:38
Operator : se Inst ID: msdy.i
Smp Info : 100ml #1541-173 50ppbv
Misc Info : 50ppbv->10ppbv
Comment :
Method : /chem/msdy.i/y-16may.b/t14ll0424c.m
Meth Date : 19-May-2008 11:20 tsanfel Quant Type: ISTD
Cal Date : 16-MAY-2008 11:38 Cal File: y051605.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4c.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	355674	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	273277			46.83- 106.83		76.83
9.418	9.418 (1.000)	49	1286532			331.72- 391.72		361.72
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	1232011	10.0000		80.00- 120.00		100.00
10.717	10.717 (1.000)	88	213068			0.00- 47.29		17.29
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1154110	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	726423			32.94- 92.94		62.94
15 Vinyl Bromide						CAS #: 593-60-2		
5.519	5.519 (0.584)	106	508913	10.0000	12.394	80.00- 120.00		100.00
5.519	5.519 (0.584)	108	473043			62.95- 122.95		92.95
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.538 (0.798)	41	1179046	10.0000	8.080	80.00- 120.00		100.00
7.538	7.538 (0.798)	40	615729			22.22- 82.22		52.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.538	7.538 (0.798)	39	230634			0.00- 49.56	19.56
31 Acrylonitrile					CAS #: 107-13-1		
8.035	8.035 (0.851)	53	1143293	10.0000	10.649	80.00- 120.00	100.00
8.035	8.035 (0.851)	52	984711			56.13- 116.13	86.13
37 Chloroprene					CAS #: 126-99-8		
8.533	8.533 (0.903)	53	1475469	10.0000	10.726	80.00- 120.00	100.00(H)
8.533	8.533 (0.903)	88	424112			0.00- 58.74	28.74

QC Flag Legend

H - Operator selected an alternate compound hit.

Report Date: 19-May-2008 11:20

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y051605.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-16may.b/t14ll0424c.m
Misc Info: 50ppbv->10ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 11:38
Client Smp ID: Level 9
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	355674	213404	497944	355674	0.00
60 1,4-Difluorobenze	1232011	739207	1724815	1232011	0.00
80 Chlorobenzene-d5	1154110	692466	1615754	1154110	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-16may.b/y051605.d

Date : 16-MAY-2008 11:38

Client ID: Level 9

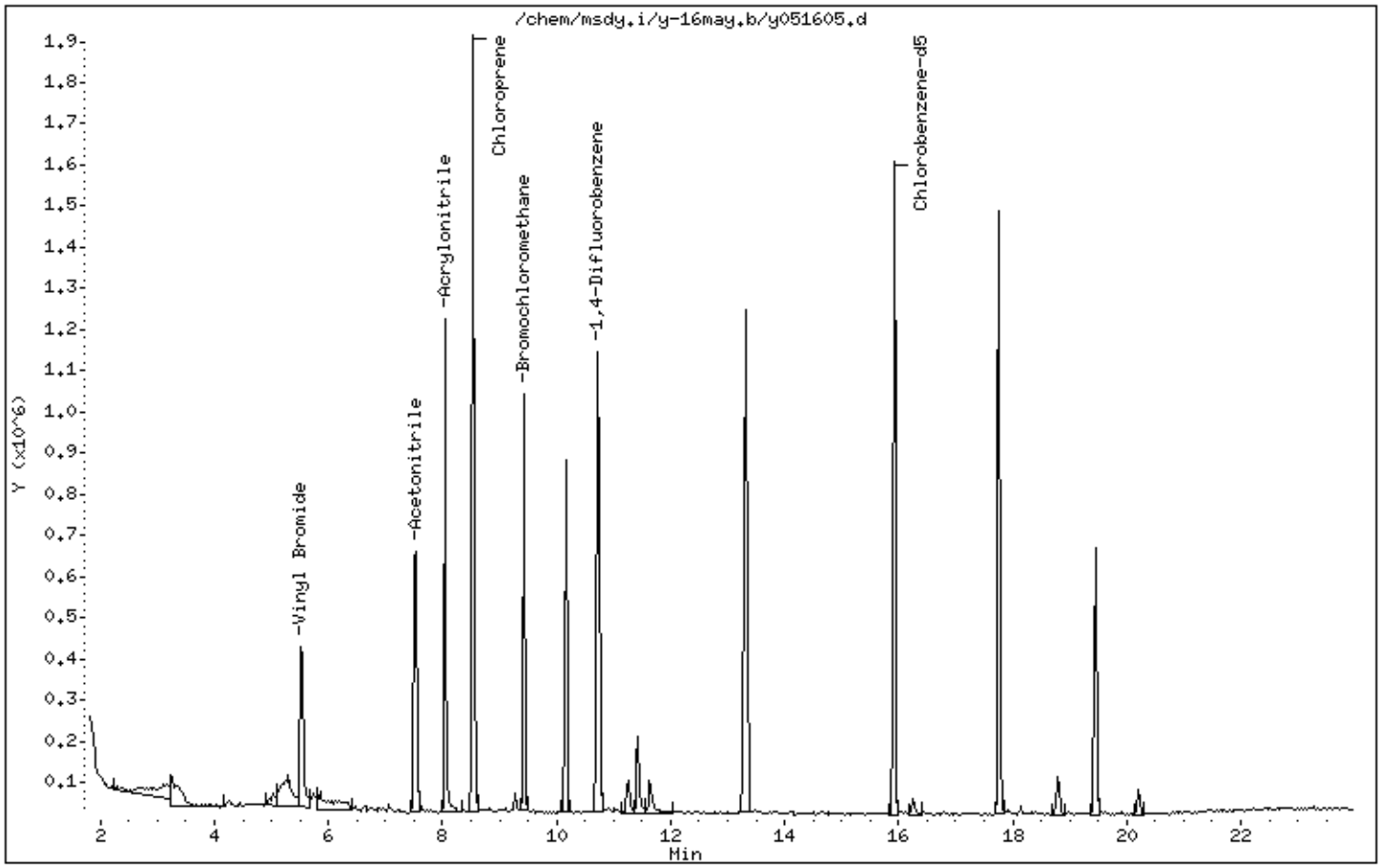
Instrument: msdy.i

Sample Info: 100ml #1541-173 50ppbv

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-08may.b/y050806.d
Lab Smp Id: ICAL Level 9
Inj Date : 08-MAY-2008 12:23
Operator : se Inst ID: msdy.i
Smp Info : 50mL #1576-319A
Misc Info : 100ppbv - 10ppbv
Comment :
Method : /chem/msdy.i/y-08may.b/t14ll0424b.m
Meth Date : 09-May-2008 07:45 seze Quant Type: ISTD
Cal Date : 08-MAY-2008 12:23 Cal File: y050806.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	322222	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	254014			0.00- 30.00		78.83
9.418	9.418 (1.000)	49	1242949			0.00- 30.00		385.74
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.718 (1.000)	114	1301719	10.0000		80.00- 120.00		100.00
10.717	10.718 (1.000)	88	223770			0.00- 46.90		17.19
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1215001	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	756613			0.00- 30.00		62.27
19 Acrolein						CAS #: 107-02-8		
6.736	6.736 (0.713)	56	431234	10.0000	10.000	80.00- 120.00		100.00
6.736	6.736 (0.713)	55	321288			0.00- 30.00		74.50
27 Acetonitrile						CAS #: 75-05-8		
7.510	7.510 (0.795)	41	2465338	10.0000	10.000	80.00- 120.00		100.00(H)
7.510	7.510 (0.795)	40	985280			0.00- 30.00		39.97

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.510	7.510 (0.795)	39	935960			0.00- 30.00	37.96
31 Acrylonitrile					CAS #: 107-13-1		
8.035	8.035 (0.851)	53	1216514	10.0000	10.000	80.00- 120.00	100.00(H)
8.035	8.035 (0.851)	52	939232			0.00- 30.00	77.21

QC Flag Legend

H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y050806.d
Lab Smp Id: ICAL Level 9
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-08may.b/t14ll0424b.m
Misc Info: 100ppbv - 10ppbv

Calibration Date: 08-MAY-2008
Calibration Time: 09:50
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	319265	191559	446971	322222	0.93
60 1,4-Difluorobenze	1319452	791671	1847233	1301719	-1.34
80 Chlorobenzene-d5	1229851	737911	1721791	1215001	-1.21

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-08may.b/y050806.d

Date : 08-MAY-2008 12:23

Client ID:

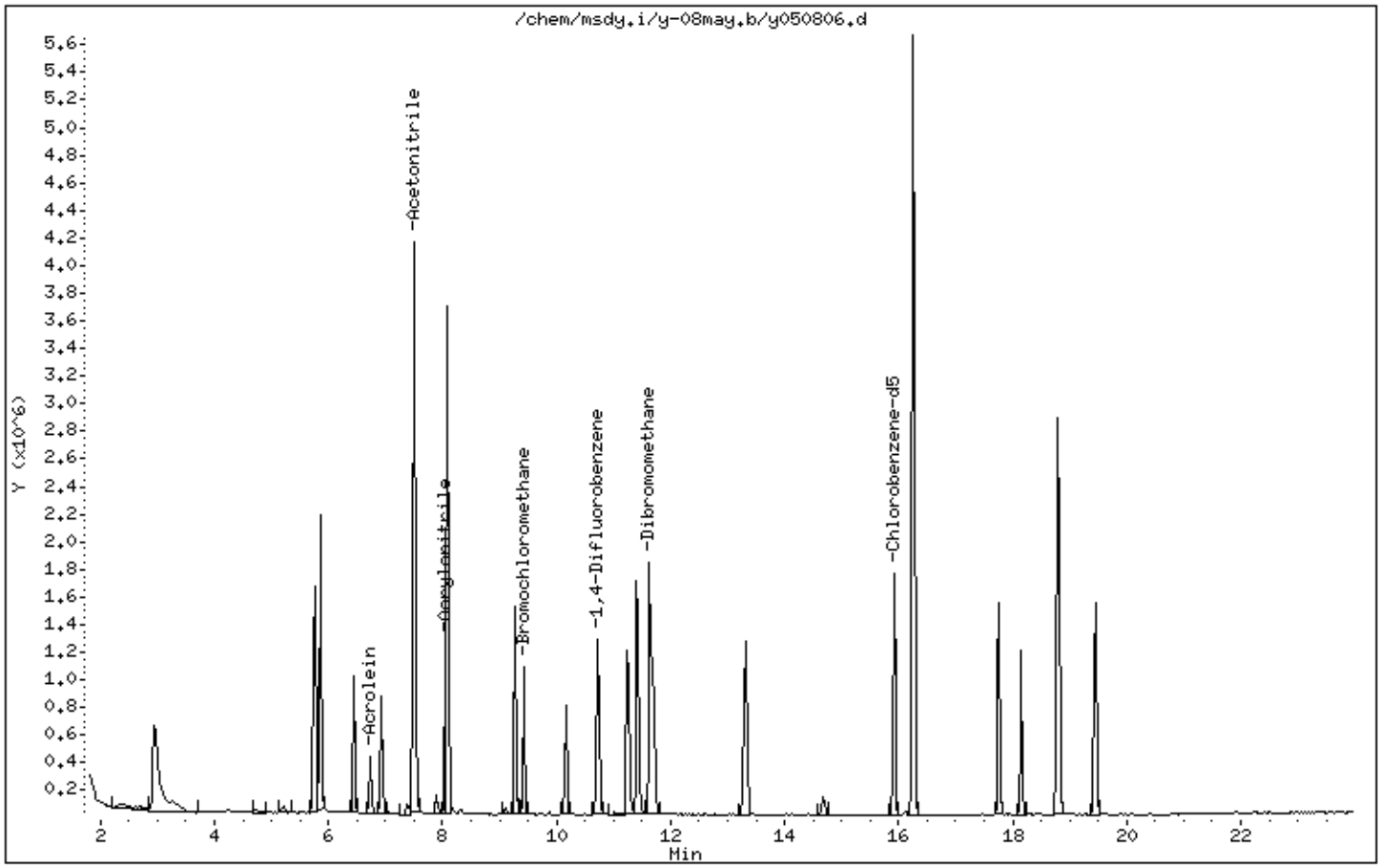
Instrument: msdy.i

Sample Info: 50mL #1576-319A

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042505c.d
Lab Smp Id: ICAL Client Smp ID: Level 9
Inj Date : 25-APR-2008 14:14
Operator : se Inst ID: msdy.i
Smp Info : 100mL #1576-315
Misc Info : 50ppbv -> 10ppbv
Comment :
Method : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Meth Date : 03-Jun-2008 09:38 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 11:38 Cal File: y051605.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp3d.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	448036	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	356862			49.65- 109.65		79.65
9.418	9.418 (1.000)	49	1508334			306.65- 366.65		336.65
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	2079918	10.0000		80.00- 120.00		100.00
10.717	10.717 (1.000)	88	373631			0.00- 47.96		17.96
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1956823	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	1237829			33.26- 93.26		63.26
93 2-Chlorotoluene						CAS #: 95-49-8		
18.266	18.266 (1.148)	126	1246695	10.0000	11.131	80.00- 120.00		100.00
18.266	18.266 (1.148)	91	4404855			323.32- 383.32		353.32
18.266	18.266 (1.148)	65	501704			10.24- 70.24		40.24
103 p-Cymene						CAS #: 99-87-6		
19.510	19.510 (1.226)	119	5555075	10.0000	10.871	80.00- 120.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 p-Cymene (continued)							
19.510	19.510 (1.226)	134	1374821			0.00- 54.75	24.75
19.482	19.482 (1.224)	91	1347448			0.00- 54.26	24.26
104 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
19.676	19.676 (1.236)	120	1808627	10.0000	10.534	80.00- 120.00	100.00
19.648	19.648 (1.235)	105	4545634			221.33- 281.33	251.33
19.648	19.648 (1.235)	77	570214			1.53- 61.53	31.53

Report Date: 03-Jun-2008 09:38

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042505c.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-03jun.b/t14ll0424d.m
Misc Info: 50ppbv -> 10ppbv

Calibration Date: 25-APR-2008
Calibration Time: 14:14
Client Smp ID: Level 9
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	448036	268822	627250	448036	0.00
60 1,4-Difluorobenze	2079918	1247951	2911885	2079918	0.00
80 Chlorobenzene-d5	1956823	1174094	2739552	1956823	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042505c.d

Date : 25-APR-2008 14:14

Client ID: Level 9

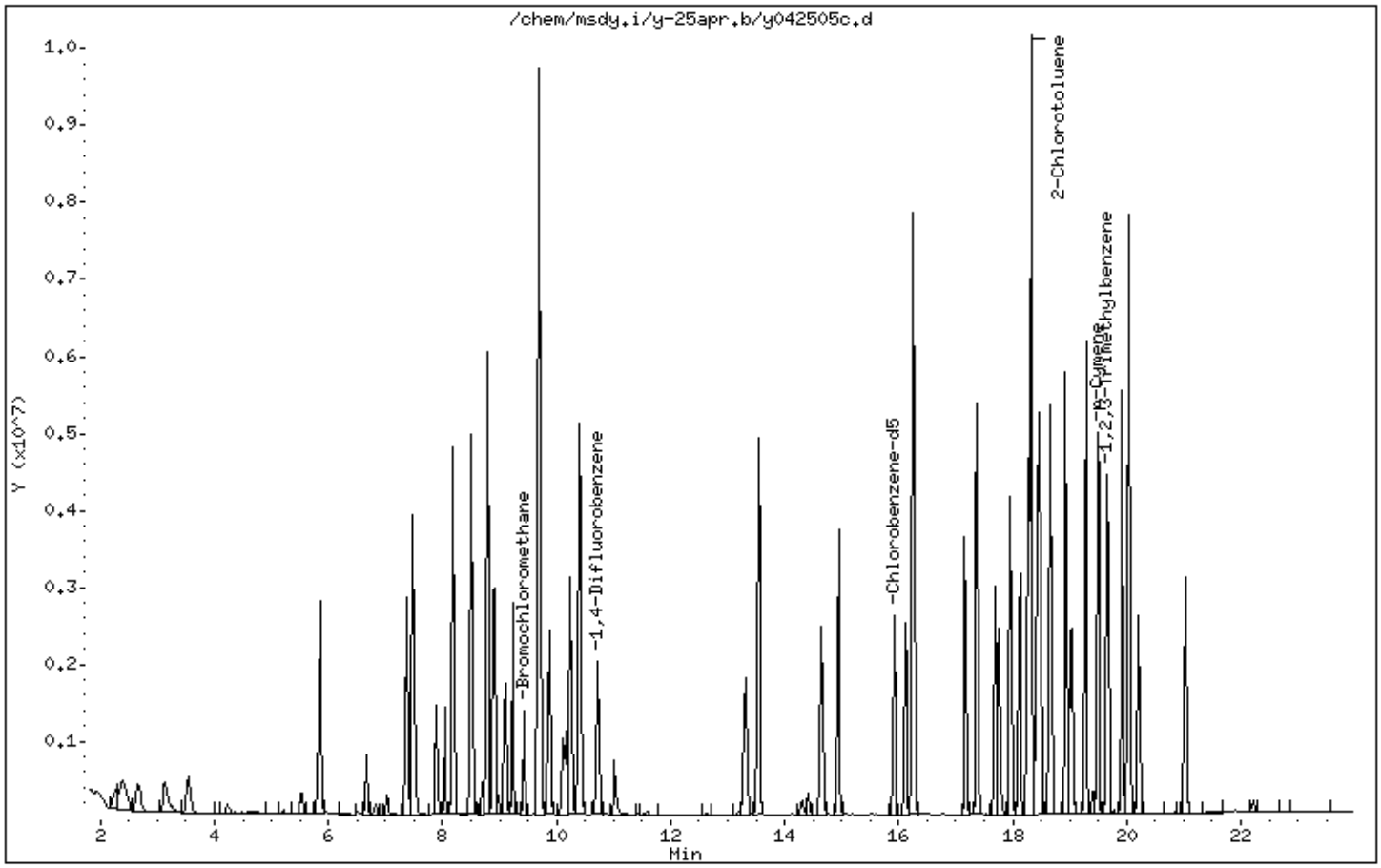
Instrument: msdy.i

Sample Info: 100mL #1576-315

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042505.d
Lab Smp Id: ICAL Client Smp ID: Level 9
Inj Date : 25-APR-2008 14:14
Operator : se Inst ID: msdy.i
Smp Info : 100mL #1576-315
Misc Info : 50ppbv -> 10ppbv
Comment :
Method : /chem/msdy.i/y-25apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 15:06 seze Quant Type: ISTD
Cal Date : 25-APR-2008 14:14 Cal File: y042505.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp8b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	448036	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	356862			49.65- 109.65		79.65
9.418	9.418 (1.000)	49	1508334			306.65- 366.65		336.65
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	2079918	10.0000		80.00- 120.00		100.00
10.717	10.717 (1.000)	88	373631			0.00- 47.96		17.96
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1956823	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	1237829			33.26- 93.26		63.26
46 2,3-Dimethylpentane						CAS #: 565-59-3		
9.694	9.694 (0.905)	71	1316725	20.0000	20.928	80.00- 120.00		100.00
9.694	9.694 (0.905)	56	6487678			462.71- 522.71		492.71
9.694	9.694 (0.905)	43	5047431			353.33- 413.33		383.33
101 sec-Butylbenzene						CAS #: 135-98-8		
19.289	19.289 (1.212)	105	7137618	10.0000	10.711	80.00- 120.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
101 sec-Butylbenzene (continued)							
19.289	19.289 (1.212)	134	1265597			0.00- 47.73	17.73
19.289	19.289 (1.212)	91	1088348			0.00- 45.25	15.25
108 Butylbenzene					CAS #: 104-51-8		
20.035	20.035 (1.259)	134	1296397	10.0000	10.354	80.00- 120.00	100.00
20.035	20.035 (1.259)	91	5748851			413.45- 473.45	443.45
20.035	20.035 (1.259)	92	3166651			214.27- 274.27	244.27
79 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
16.109	16.109 (1.012)	130	37559	10.0000	7.885	80.00- 120.00	100.00
16.109	16.109 (1.012)	117	838317			2202.00-2262.00	2232.00
16.109	16.109 (1.012)	95	492777			1282.01-1342.01	1312.01
91 1,2,3-Trichloropropane					CAS #: 96-18-4		
18.128	18.128 (1.139)	110	831414	10.0000	11.080	80.00- 120.00	100.00
18.128	18.128 (1.139)	75	2357080			253.50- 313.50	283.50
18.128	18.128 (1.139)	61	894821			77.63- 137.63	107.63
99 tert-Butylbenzene					CAS #: 98-06-6		
18.929	18.929 (1.189)	119	4407430	10.0000	10.582	80.00- 120.00	100.00
18.929	18.929 (1.189)	134	1060071			0.00- 54.05	24.05
18.929	18.929 (1.189)	91	3184913			42.26- 102.26	72.26
113 1,2-Dibromo-3-chloropropane					CAS #: 96-12-8		
21.031	21.031 (1.321)	157	1035786	10.0000	11.547	80.00- 120.00	100.00
21.031	21.031 (1.321)	75	1115896			77.73- 137.73	107.73
21.031	21.031 (1.321)	155	815504			48.73- 108.73	78.73
191 4-Chlorotoluene					CAS #: 106-43-4		
18.459	18.459 (1.160)	126	1270951	10.0000	10.655	80.00- 120.00	100.00
18.459	18.459 (1.160)	91	5078709			369.60- 429.60	399.60
18.459	18.459 (1.160)	63	734891			27.82- 87.82	57.82

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042505.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-25apr.b/t14ll0424a.m
Misc Info: 50ppbv -> 10ppbv

Calibration Date: 25-APR-2008
Calibration Time: 14:14
Client Smp ID: Level 9
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	448036	268822	627250	448036	0.00
60 1,4-Difluorobenze	2079918	1247951	2911885	2079918	0.00
80 Chlorobenzene-d5	1956823	1174094	2739552	1956823	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042505.d

Date : 25-APR-2008 14:14

Client ID: Level 9

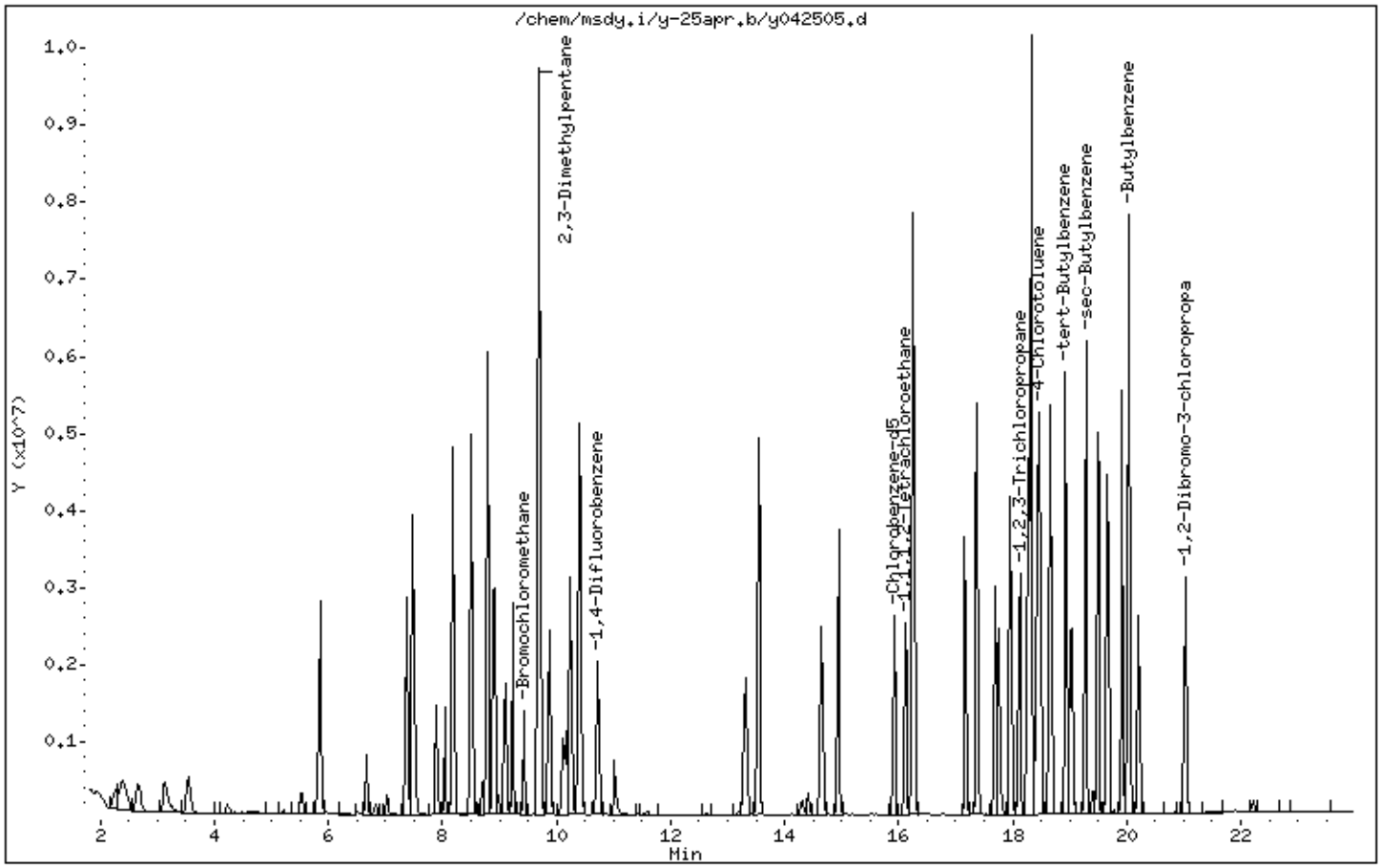
Instrument: msdy.i

Sample Info: 100mL #1576-315

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042424.d
Lab Smp Id: ICAL Client Smp ID: Level 9
Inj Date : 24-APR-2008 21:37
Operator : cb Inst ID: msdy.i
Smp Info : 100ml #1541-95
Misc Info : 50ppbv-10ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 21:37 Cal File: y042424.d
Als bottle: 1 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	437118	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	345514			49.04- 109.04		79.04
9.418	9.418 (1.000)	49	1478072			308.14- 368.14		338.14
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1950663	10.0000		80.00- 120.00		100.00
10.718	10.718 (1.000)	88	342825			0.00- 47.57		17.57
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1871396	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	1203027			34.29- 94.29		64.29
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	878800	10.0000	9.903	80.00- 120.00		100.00
10.165	10.165 (1.076)	67	436192			19.63- 79.63		49.63
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	2001268	10.0000	10.040	80.00- 120.00		100.00
13.317	13.317 (1.242)	70	228394			0.00- 41.41		11.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1349750			37.44- 97.44	67.44
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	961017	10.0000	9.932	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	1670364			143.81- 203.81	173.81
17.768	17.768 (1.116)	176	917209			65.44- 125.44	95.44
2 Propylene					CAS #: 115-07-1		
2.285	2.285 (0.242)	41	800221	10.0000	9.598	80.00- 120.00	100.00
2.257	2.257 (0.239)	42	536679			37.07- 97.07	67.07
2.285	2.285 (0.242)	39	562999			40.36- 100.36	70.36
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	1615089	10.0000	9.993	80.00- 120.00	100.00
2.450	2.450 (0.259)	87	502227			1.10- 61.10	31.10
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	836198	10.0000	9.706	80.00- 120.00	100.00
3.031	3.031 (0.321)	137	244287			0.00- 59.21	29.21
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	1177275	10.0000	9.505	80.00- 120.00	100.00
3.169	3.169 (0.336)	52	369513			1.39- 61.39	31.39
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	875829	10.0000	9.546	80.00- 120.00	100.00
3.639	3.639 (0.385)	64	237326			0.00- 57.10	27.10
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	858992	10.0000	10.976	80.00- 120.00	100.00
3.778	3.778 (0.400)	39	826150			66.18- 126.18	96.18
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	323611	10.0000	8.969	80.00- 120.00	100.00
4.745	4.745 (0.502)	96	319354			68.68- 128.68	98.68
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	330104	10.0000	8.983	80.00- 120.00	100.00
5.105	5.105 (0.540)	66	84013			0.00- 55.45	25.45
5.105	5.105 (0.540)	49	120831			6.60- 66.60	36.60
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	1017472	10.0000	10.377	80.00- 120.00	100.00
5.215	5.215 (0.552)	43	1529526			120.33- 180.33	150.33
5.215	5.215 (0.552)	42	1356735			103.34- 163.34	133.34

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	1622861	10.0000	10.284	80.00- 120.00	100.00
5.685	5.685 (0.602)	103	1038049			33.96- 93.96	63.96
17 Ethanol					CAS #: 64-17-5		
6.543	6.543 (0.693)	45	568800	10.0000	10.510	80.00- 120.00	100.00
6.543	6.543 (0.693)	43	106110			0.00- 48.66	18.66
6.543	6.543 (0.693)	46	237287			11.72- 71.72	41.72
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	398729	10.0000	10.826	80.00- 120.00	100.00
6.736	6.736 (0.713)	61	1749821			408.85- 468.85	438.85
6.736	6.736 (0.713)	96	634152			129.04- 189.04	159.04
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	826646	10.0000	10.458	80.00- 120.00	100.00
6.764	6.764 (0.716)	153	517773			32.64- 92.64	62.64
6.764	6.764 (0.716)	101	1189877			113.94- 173.94	143.94
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	2155366	10.0000	11.433	80.00- 120.00	100.00
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	2135146	10.0000	11.008	80.00- 120.00	100.00
7.013	7.013 (0.742)	58	696151			2.60- 62.60	32.60
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	2621419	10.0000	12.530	80.00- 120.00	100.00
7.372	7.372 (0.780)	43	444448			0.00- 46.95	16.95
7.372	7.372 (0.780)	59	94433			0.00- 33.60	3.60
22 3-Chloroprene					CAS #: 107-05-1		
7.372	7.372 (0.780)	76	344627	10.0000	12.620	80.00- 120.00	100.00
7.372	7.372 (0.780)	41	2149255			593.65- 653.65	623.65
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	641590	10.0000	11.228	80.00- 120.00	100.00
7.621	7.621 (0.807)	49	1683083			232.33- 292.33	262.33
7.621	7.621 (0.807)	51	527100			52.16- 112.16	82.16
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	2271957	10.0000	10.616	80.00- 120.00	100.00
7.897	7.897 (0.836)	57	1250348			25.03- 85.03	55.03
7.897	7.897 (0.836)	41	1530405			37.36- 97.36	67.36
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	480195	10.0000	10.430	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	1949850			376.05- 436.05	406.05
7.897	7.897 (0.836)	96	792469			135.03- 195.03	165.03
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	2678928	10.0000	9.796	80.00- 120.00	100.00
8.174	8.174 (0.865)	43	1766192			35.93- 95.93	65.93
8.174	8.174 (0.865)	86	258751			0.00- 39.66	9.66
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	2252286	10.0000	10.060	80.00- 120.00	100.00
8.478	8.478 (0.898)	65	628606			0.00- 57.91	27.91
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	1478422	10.0000	7.331	80.00- 120.00	100.00
8.561	8.561 (0.906)	42	108563			0.00- 37.34	7.34
8.561	8.561 (0.906)	86	81219			0.00- 35.49	5.49
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.142	9.142 (0.968)	98	551640	10.0000	9.969	80.00- 120.00	100.00
9.142	9.142 (0.968)	61	1879902			310.78- 370.78	340.78
9.142	9.142 (0.968)	96	867842			127.32- 187.32	157.32
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	480872	10.0000	9.856	80.00- 120.00	100.00
9.197	9.197 (0.974)	43	3480800			693.85- 753.85	723.85
9.197	9.197 (0.974)	57	254530			22.93- 82.93	52.93
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	2112806	10.0000	9.867	80.00- 120.00	100.00
9.418	9.418 (0.997)	71	423192			0.00- 50.03	20.03
9.418	9.418 (0.997)	72	477692			0.00- 52.61	22.61
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	1712831	10.0000	10.268	80.00- 120.00	100.00
9.529	9.529 (1.009)	85	1082115			33.18- 93.18	63.18
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.639 (1.020)	84	1285663	10.0000	9.677	80.00- 120.00	100.00
9.639	9.639 (1.020)	56	2973105			201.25- 261.25	231.25
9.639	9.639 (1.020)	41	1483077			85.36- 145.36	115.36
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	1592669	10.0000	9.529	80.00- 120.00	100.00
9.667	9.667 (1.023)	99	1012753			33.59- 93.59	63.59

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	1326305	10.0000	9.992	80.00- 120.00	100.00
9.833	9.833 (1.041)	117	1410256			76.33- 136.33	106.33
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	2808633	10.0000	9.796	80.00- 120.00	100.00
10.137	10.137 (0.946)	77	637673			0.00- 52.70	22.70
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	2759499	10.0000	9.714	80.00- 120.00	100.00
10.137	10.137 (1.073)	99	244402			0.00- 38.86	8.86
10.137	10.137 (1.073)	41	1861938			37.47- 97.47	67.47
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	1673952	10.0000	10.245	80.00- 120.00	100.00
10.275	10.275 (0.959)	64	500419			0.00- 59.89	29.89
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	3417641	10.0000	10.039	80.00- 120.00	100.00
10.386	10.386 (0.969)	57	1710613			20.05- 80.05	50.05
10.386	10.386 (0.969)	100	338407			0.00- 39.90	9.90
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	1054624	10.0000	9.994	80.00- 120.00	100.00
11.049	11.049 (1.031)	95	1180502			81.94- 141.94	111.94
11.049	11.049 (1.031)	97	752696			41.37- 101.37	71.37
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	1476784	10.0000	10.082	80.00- 120.00	100.00
11.492	11.492 (1.072)	62	1106040			44.90- 104.90	74.90
11.492	11.492 (1.072)	41	965538			35.38- 95.38	65.38
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	574685	10.0000	9.216	80.00- 120.00	100.00
11.658	11.658 (1.088)	58	757039			101.73- 161.73	131.73
11.658	11.658 (1.088)	57	234969			10.89- 70.89	40.89
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	1767191	10.0000	10.274	80.00- 120.00	100.00
11.962	11.962 (1.116)	85	1132133			34.06- 94.06	64.06
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	1450385	10.0000	10.341	80.00- 120.00	100.00
12.874	12.874 (1.201)	77	446093			0.76- 60.76	30.76
12.847	12.847 (1.199)	39	1197376			52.56- 112.56	82.56

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	4074053	10.0000	10.397	80.00- 120.00	100.00
13.178	13.178 (1.230)	58	1558109			8.24- 68.24	38.24
13.178	13.178 (1.230)	85	386863			0.00- 39.50	9.50
72 Toluene					CAS #: 108-88-3		
13.427	13.427 (1.253)	91	3130776	10.0000	9.946	80.00- 120.00	100.00
13.427	13.427 (1.253)	92	1906547			30.90- 90.90	60.90
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.008	14.008 (0.880)	75	1444290	10.0000	10.314	80.00- 120.00	100.00
14.008	14.008 (0.880)	77	457805			1.70- 61.70	31.70
14.008	14.008 (0.880)	39	1162858			50.51- 110.51	80.51
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	1087338	10.0000	10.015	80.00- 120.00	100.00
14.340	14.340 (0.901)	99	680377			32.57- 92.57	62.57
14.340	14.340 (0.901)	83	950224			57.39- 117.39	87.39
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	1145337	10.0000	10.007	80.00- 120.00	100.00
14.423	14.423 (0.906)	129	955135			53.39- 113.39	83.39
14.423	14.423 (0.906)	131	920571			50.38- 110.38	80.38
76 2-Hexanone					CAS #: 591-78-6		
14.754	14.754 (0.927)	58	2182416	10.0000	10.195	80.00- 120.00	100.00
14.754	14.754 (0.927)	43	4054885			155.80- 215.80	185.80
14.754	14.754 (0.927)	100	260841			0.00- 41.95	11.95
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	1525100	10.0000	10.691	80.00- 120.00	100.00
14.976	14.976 (0.941)	127	1190050			48.03- 108.03	78.03
14.976	14.976 (0.941)	208	88245			0.00- 35.79	5.79
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	1636892	10.0000	10.203	80.00- 120.00	100.00
15.197	15.197 (0.955)	109	1551589			64.79- 124.79	94.79
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	2620314	10.0000	9.839	80.00- 120.00	100.00
15.971	15.971 (1.003)	114	825186			1.49- 61.49	31.49
15.971	15.971 (1.003)	77	1731377			36.08- 96.08	66.08
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	1472314	10.0000	10.314	80.00- 120.00	100.00
16.109	16.109 (1.012)	91	4893233			302.35- 362.35	332.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	1895105	10.0000	10.133	80.00- 120.00	100.00
16.303	16.303 (1.024)	91	3972405			179.61- 239.61	209.61
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	1738092	10.0000	10.126	80.00- 120.00	100.00
16.911	16.911 (1.063)	91	3803907			188.86- 248.86	218.86
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	2944510	10.0000	10.336	80.00- 120.00	100.00
16.966	16.966 (1.066)	78	1512268			21.36- 81.36	51.36
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	1370927	10.0000	10.829	80.00- 120.00	100.00
17.271	17.271 (1.085)	171	702303			21.23- 81.23	51.23
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	5065104	10.0000	10.062	80.00- 120.00	100.00
17.464	17.464 (1.097)	120	1276776			0.00- 55.21	25.21
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	2610525	10.0000	9.979	80.00- 120.00	100.00
18.045	18.045 (1.134)	85	1654128			33.36- 93.36	63.36
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	6439352	10.0000	10.222	80.00- 120.00	100.00
18.100	18.100 (1.137)	120	1319679			0.00- 50.49	20.49
97 4-Ethyltoluene					CAS #: 622-96-8		
18.294	18.294 (1.149)	105	5582954	10.0000	10.118	80.00- 120.00	100.00
18.294	18.294 (1.149)	120	1552069			0.00- 57.80	27.80
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	4522309	10.0000	9.958	80.00- 120.00	100.00
18.404	18.404 (1.156)	120	2117068			16.81- 76.81	46.81
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	4467605	10.0000	10.152	80.00- 120.00	100.00
19.040	19.040 (1.196)	120	1897826			12.48- 72.48	42.48
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.483	19.483 (1.224)	146	2317581	10.0000	9.853	80.00- 120.00	100.00
19.483	19.483 (1.224)	148	1451016			32.61- 92.61	62.61
19.483	19.483 (1.224)	111	1154186			19.80- 79.80	49.80
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	2400474	10.0000	9.891	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	1478806			31.60- 91.60	61.60
19.621	19.621 (1.233)	111	1143667			17.64- 77.64	47.64
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	3139717	10.0000	9.882	80.00- 120.00	100.00
19.814	19.814 (1.245)	126	556509			0.00- 47.72	17.72
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	2228252	10.0000	9.743	80.00- 120.00	100.00
20.118	20.118 (1.264)	148	1399018			32.79- 92.79	62.79
20.118	20.118 (1.264)	111	1134613			20.92- 80.92	50.92
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	1792486	10.0000	9.886	80.00- 120.00	100.00
21.916	21.916 (1.377)	182	1682410			63.86- 123.86	93.86
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	1476814	10.0000	9.930	80.00- 120.00	100.00
22.054	22.054 (1.386)	223	925967			32.70- 92.70	62.70
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	3769403	10.0000	9.697	80.00- 120.00	100.00
22.220	22.220 (1.396)	127	485078			0.00- 42.87	12.87
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	1664157	10.0000	9.626	80.00- 120.00	100.00
11.243	11.243 (1.190)	98	775925			16.63- 76.63	46.63
11.243	11.243 (1.190)	55	2627758			127.90- 187.90	157.90
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	227744	10.0000	10.905	80.00- 120.00	100.00
3.556	3.556 (0.376)	43	1647476			693.39- 753.39	723.39
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.897	7.897 (0.836)	59	2732462	10.0000	11.830	80.00- 120.00	100.00
7.897	7.897 (0.836)	41	1530405			26.01- 86.01	56.01
7.897	7.897 (0.836)	57	1250348			15.76- 75.76	45.76

Report Date: 25-Apr-2008 10:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042424.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 50ppbv-10ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 9
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	437118	0.00
60 1,4-Difluorobenze	1950663	1170398	2730928	1950663	0.00
80 Chlorobenzene-d5	1871396	1122838	2619954	1871396	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042424.d

Date : 24-APR-2008 21:37

Client ID: Level 9

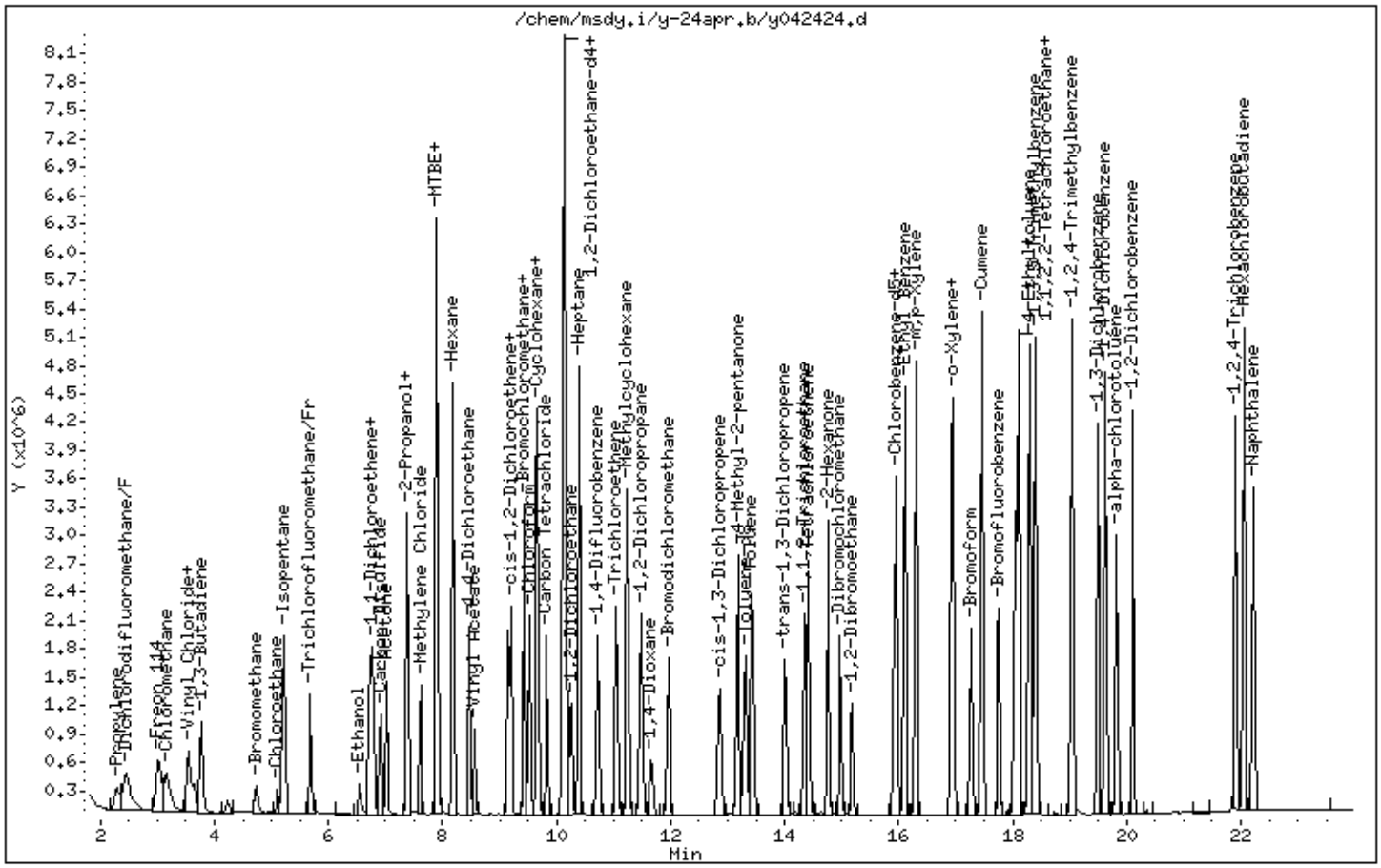
Instrument: msdy.i

Sample Info: 100ml #1541-95

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-16may.b/y051606.d
Lab Smp Id: ICAl Client Smp ID: Level 10
Inj Date : 16-MAY-2008 12:19
Operator : se Inst ID: msdy.i
Smp Info : 200ml #1541-173 50ppbv
Misc Info : 50ppbv->20ppbv
Comment :
Method : /chem/msdy.i/y-16may.b/t14ll0424c.m
Meth Date : 19-May-2008 11:20 tsanfel Quant Type: ISTD
Cal Date : 16-MAY-2008 12:19 Cal File: y051606.d
Als bottle: 1 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4c.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	385246	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	305609			0.00- 30.00		79.33
9.418	9.418 (1.000)	49	1361245			0.00- 30.00		353.34
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1347838	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	233447			0.00- 47.29		17.32
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1258666	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	780549			0.00- 30.00		62.01
15 Vinyl Bromide						CAS #: 593-60-2		
5.520	5.520 (0.584)	106	1114359	20.0000	25.056	70.00- 130.00		100.00
5.520	5.520 (0.584)	108	1060254			0.00- 30.00		95.14
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.538 (0.798)	41	2549591	20.0000	16.132	70.00- 130.00		100.00
7.538	7.538 (0.798)	40	1296241			0.00- 30.00		50.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.538	7.538 (0.798)	39	487969			0.00- 30.00	19.14
31 Acrylonitrile					CAS #: 107-13-1		
8.036	8.036 (0.851)	53	2614628	20.0000	22.485	70.00- 130.00	100.00
8.036	8.036 (0.851)	52	2237436			0.00- 30.00	85.57
37 Chloroprene					CAS #: 126-99-8		
8.533	8.533 (0.903)	53	3726143	20.0000	25.008	70.00- 130.00	100.00
8.533	8.533 (0.903)	88	1033706			0.00- 30.00	27.74

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y051606.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-16may.b/t14ll0424c.m
Misc Info: 50ppbv->20ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 11:38
Client Smp ID: Level 10
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	355674	213404	497944	385246	8.31
60 1,4-Difluorobenze	1232011	739207	1724815	1347838	9.40
80 Chlorobenzene-d5	1154110	692466	1615754	1258666	9.06

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-16may.b/y051606.d

Date : 16-MAY-2008 12:19

Client ID: Level 10

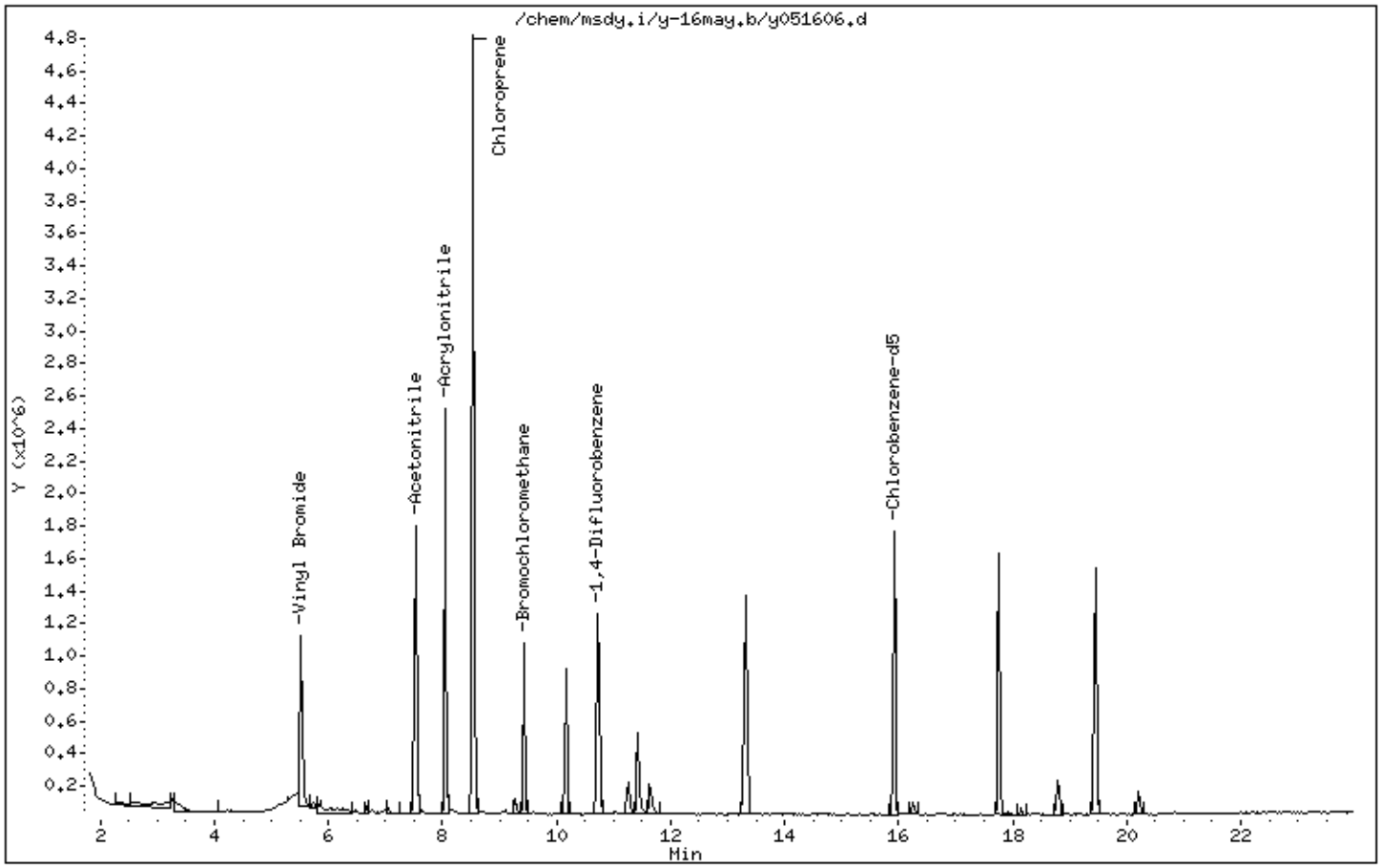
Instrument: msdy.i

Sample Info: 200ml #1541-173 50ppbv

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042425.d
Lab Smp Id: ICAL Client Smp ID: Level 10
Inj Date : 24-APR-2008 22:25
Operator : cb Inst ID: msdy.i
Smp Info : 200ml #1541-95
Misc Info : 50ppbv-20ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 22:25 Cal File: y042425.d
Als bottle: 1 Calibration Sample, Level: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	421084	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	333495			0.00- 30.00		79.20
9.418	9.418 (1.000)	49	1454398			0.00- 30.00		345.39
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	1958221	10.0000		70.00- 130.00		100.00
10.717	10.717 (1.000)	88	353935			0.00- 47.57		18.07
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1864185	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1169886			0.00- 30.00		62.76
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	884192	10.0000	10.344	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	455933			0.00- 30.00		51.56
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1993804	10.0000	9.964	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	243945			0.00- 41.41		12.24

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1395665			37.44- 97.44	70.00
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	939365	10.0000	9.746	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1649709			143.81- 203.81	175.62
17.768	17.768 (1.116)	176	933138			65.44- 125.44	99.34
2 Propylene					CAS #: 115-07-1		
2.284	2.284 (0.242)	41	1605524	20.0000	19.989	70.00- 130.00	100.00
2.257	2.257 (0.239)	42	1081173			0.00- 30.00	67.34
2.284	2.284 (0.242)	39	1106519			0.00- 30.00	68.92
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.450 (0.259)	85	3117361	20.0000	20.022	70.00- 130.00	100.00
2.450	2.450 (0.259)	87	1018386			1.10- 61.10	32.67
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	1678286	20.0000	20.221	70.00- 130.00	100.00
3.031	3.031 (0.321)	137	533704			0.00- 30.00	31.80
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	2439387	20.0000	20.444	70.00- 130.00	100.00
3.169	3.169 (0.336)	52	717936			0.00- 30.00	29.43
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	1774594	20.0000	20.080	70.00- 130.00	100.00
3.639	3.639 (0.385)	64	495102			0.00- 57.10	27.90
10 1,3-Butadiene					CAS #: 106-99-0		
3.777	3.777 (0.400)	54	1744075	20.0000	23.135	70.00- 130.00	100.00
3.777	3.777 (0.400)	39	1615125			0.00- 30.00	92.61
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	622426	20.0000	17.907	70.00- 130.00	100.00
4.745	4.745 (0.502)	96	587903			68.68- 128.68	94.45
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	676633	20.0000	19.115	70.00- 130.00	100.00
5.105	5.105 (0.540)	66	189963			0.00- 30.00	28.07
5.105	5.105 (0.540)	49	254288			0.00- 30.00	37.58
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	1952926	20.0000	20.676	70.00- 130.00	100.00
5.215	5.215 (0.552)	43	2997404			0.00- 30.00	153.48
5.215	5.215 (0.552)	42	2641874			0.00- 30.00	135.28

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	3153605	20.0000	20.745	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	2023596			33.96- 93.96	64.17
17 Ethanol					CAS #: 64-17-5		
6.542	6.542 (0.693)	45	1209940	20.0000	23.207	70.00- 130.00	100.00
6.542	6.542 (0.693)	43	221865			0.00- 30.00	18.34
6.542	6.542 (0.693)	46	491512			0.00- 30.00	40.62
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	778970	20.0000	21.956	70.00- 130.00	100.00
6.708	6.708 (0.710)	61	3472857			0.00- 30.00	445.83
6.736	6.736 (0.713)	96	1240092			0.00- 30.00	159.20
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	1659726	20.0000	21.798	70.00- 130.00	100.00
6.764	6.764 (0.716)	153	1029205			32.64- 92.64	62.01
6.764	6.764 (0.716)	101	2374183			0.00- 30.00	143.05
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	4307206	20.0000	23.717	70.00- 130.00	100.00
24 Acetone					CAS #: 67-64-1		
7.012	7.012 (0.742)	43	4179857	20.0000	22.371	70.00- 130.00	100.00
7.012	7.012 (0.742)	58	1375984			0.00- 30.00	32.92
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	5522502	20.0000	27.401	70.00- 130.00	100.00
7.372	7.372 (0.780)	43	917125			0.00- 30.00	16.61
7.372	7.372 (0.780)	59	194794			0.00- 30.00	3.53
22 3-Chloroprene					CAS #: 107-05-1		
7.372	7.372 (0.780)	76	655809	20.0000	24.931	70.00- 130.00	100.00
7.372	7.372 (0.780)	41	4293271			0.00- 30.00	654.65
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	1265100	20.0000	22.983	70.00- 130.00	100.00
7.621	7.621 (0.807)	49	3363066			232.33- 292.33	265.83
7.621	7.621 (0.807)	51	1048282			0.00- 30.00	82.86
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	4562860	20.0000	22.132	70.00- 130.00	100.00
7.897	7.897 (0.836)	57	2610474			0.00- 30.00	57.21
7.897	7.897 (0.836)	41	3143939			0.00- 30.00	68.90
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	963726	20.0000	21.730	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	3817295			0.00- 30.00	396.10
7.897	7.897 (0.836)	96	1539205			0.00- 30.00	159.71
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	5253208	20.0000	19.942	70.00- 130.00	100.00
8.174	8.174 (0.865)	43	3469250			0.00- 30.00	66.04
8.174	8.174 (0.865)	86	490314			0.00- 30.00	9.33
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	4473384	20.0000	20.741	70.00- 130.00	100.00
8.478	8.478 (0.898)	65	1250064			0.00- 57.91	27.94
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	4356606	20.0000	22.425	70.00- 130.00	100.00
8.561	8.561 (0.906)	42	312436			0.00- 30.00	7.17
8.561	8.561 (0.906)	86	236205			0.00- 30.00	5.42
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.141	9.141 (0.968)	98	1091125	20.0000	20.470	70.00- 130.00	100.00
9.141	9.141 (0.968)	61	3813797			310.78- 370.78	349.53
9.141	9.141 (0.968)	96	1749345			127.32- 187.32	160.32
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	939130	20.0000	19.982	70.00- 130.00	100.00
9.197	9.197 (0.974)	43	7130856			693.85- 753.85	759.30
9.197	9.197 (0.974)	57	531409			0.00- 30.00	56.59
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	4332153	20.0000	21.002	70.00- 130.00	100.00
9.418	9.418 (0.997)	71	866430			0.00- 30.00	20.00
9.418	9.418 (0.997)	72	940098			0.00- 30.00	21.70
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	3387969	20.0000	21.084	70.00- 130.00	100.00
9.529	9.529 (1.009)	85	2158687			33.18- 93.18	63.72
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.639 (1.020)	84	2532299	20.0000	19.786	70.00- 130.00	100.00
9.639	9.639 (1.020)	56	6041719			0.00- 30.00	238.59
9.639	9.639 (1.020)	41	2996477			0.00- 30.00	118.33
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	3222884	20.0000	20.016	70.00- 130.00	100.00
9.667	9.667 (1.023)	99	2016665			33.59- 93.59	62.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	2786591	20.0000	21.793	70.00- 130.00	100.00
9.833	9.833 (1.041)	117	2919256			76.33- 136.33	104.76
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	5566142	20.0000	19.340	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	1245357			0.00- 30.00	22.37
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	5450530	20.0000	19.918	70.00- 130.00	100.00
10.137	10.137 (1.073)	99	473269			0.00- 30.00	8.68
10.137	10.137 (1.073)	41	3707894			0.00- 30.00	68.03
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	3344056	20.0000	20.388	70.00- 130.00	100.00
10.275	10.275 (0.959)	64	983133			0.00- 30.00	29.40
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	6838794	20.0000	20.012	70.00- 130.00	100.00
10.386	10.386 (0.969)	57	3442838			0.00- 30.00	50.34
10.386	10.386 (0.969)	100	680803			0.00- 30.00	9.96
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	2090605	20.0000	19.734	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	2302006			0.00- 30.00	110.11
11.049	11.049 (1.031)	97	1471229			0.00- 30.00	70.37
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	2958808	20.0000	20.122	70.00- 130.00	100.00
11.492	11.492 (1.072)	62	2193634			44.90- 104.90	74.14
11.492	11.492 (1.072)	41	1929195			35.38- 95.38	65.20
65 1,4-Dioxane					CAS #: 123-91-1		
11.658	11.658 (1.088)	88	1245572	20.0000	19.897	70.00- 130.00	100.00
11.658	11.658 (1.088)	58	1630063			101.73- 161.73	130.87
11.658	11.658 (1.088)	57	484089			0.00- 30.00	38.86
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	3605521	20.0000	20.880	70.00- 130.00	100.00
11.962	11.962 (1.116)	85	2266646			34.06- 94.06	62.87
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	2955541	20.0000	20.990	70.00- 130.00	100.00
12.874	12.874 (1.201)	77	941222			0.76- 60.76	31.85
12.847	12.847 (1.199)	39	2454044			52.56- 112.56	83.03

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	8513098	20.0000	21.641	70.00- 130.00	100.00
13.178	13.178 (1.230)	58	3209934			0.00- 30.00	37.71
13.178	13.178 (1.230)	85	786807			0.00- 30.00	9.24
72 Toluene					CAS #: 108-88-3		
13.427	13.427 (1.253)	91	6351365	20.0000	20.098	70.00- 130.00	100.00
13.427	13.427 (1.253)	92	3838869			30.90- 90.90	60.44
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.008	14.008 (0.880)	75	3078573	20.0000	22.070	70.00- 130.00	100.00
14.008	14.008 (0.880)	77	970235			1.70- 61.70	31.52
14.008	14.008 (0.880)	39	2450645			50.51- 110.51	79.60
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	2230150	20.0000	20.620	70.00- 130.00	100.00
14.340	14.340 (0.901)	99	1362337			32.57- 92.57	61.09
14.340	14.340 (0.901)	83	1944041			57.39- 117.39	87.17
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	2292831	20.0000	20.111	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	1924209			53.39- 113.39	83.92
14.423	14.423 (0.906)	131	1809292			50.38- 110.38	78.91
76 2-Hexanone					CAS #: 591-78-6		
14.754	14.754 (0.927)	58	4795907	20.0000	22.491	70.00- 130.00	100.00
14.754	14.754 (0.927)	43	8855716			155.80- 215.80	184.65
14.754	14.754 (0.927)	100	562089			0.00- 30.00	11.72
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	3090783	20.0000	21.751	70.00- 130.00	100.00
14.976	14.976 (0.941)	127	2403764			0.00- 30.00	77.77
14.976	14.976 (0.941)	208	184037			0.00- 30.00	5.95
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	3410860	20.0000	21.342	70.00- 130.00	100.00
15.197	15.197 (0.955)	109	3155859			64.79- 124.79	92.52
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	5316102	20.0000	20.039	70.00- 130.00	100.00
15.971	15.971 (1.003)	114	1662309			1.49- 61.49	31.27
15.971	15.971 (1.003)	77	3474186			36.08- 96.08	65.35
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	2899422	20.0000	20.390	70.00- 130.00	100.00
16.109	16.109 (1.012)	91	9832393			0.00- 30.00	339.12

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	3777101	20.0000	20.274	70.00- 130.00	100.00
16.303	16.303 (1.024)	91	8017499			0.00- 30.00	212.27
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	3481638	20.0000	20.363	70.00- 130.00	100.00
16.911	16.911 (1.063)	91	7819381			188.86- 248.86	224.59
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	6019941	20.0000	21.214	70.00- 130.00	100.00
16.966	16.966 (1.066)	78	3088709			21.36- 81.36	51.31
89 Bromoform					CAS #: 75-25-2		
17.270	17.270 (1.085)	173	2862373	20.0000	22.698	70.00- 130.00	100.00
17.270	17.270 (1.085)	171	1455223			21.23- 81.23	50.84
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	10313199	20.0000	20.566	70.00- 130.00	100.00
17.464	17.464 (1.097)	120	2544833			0.00- 55.21	24.68
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	5340175	20.0000	20.492	70.00- 130.00	100.00
18.045	18.045 (1.134)	85	3385366			33.36- 93.36	63.39
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	13312392	20.0000	21.215	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	2714715			0.00- 30.00	20.39
97 4-Ethyltoluene					CAS #: 622-96-8		
18.293	18.293 (1.149)	105	11451287	20.0000	20.833	70.00- 130.00	100.00
18.293	18.293 (1.149)	120	3133879			0.00- 57.80	27.37
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	9227333	20.0000	20.398	70.00- 130.00	100.00
18.404	18.404 (1.156)	120	4211704			16.81- 76.81	45.64
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	9066246	20.0000	20.682	70.00- 130.00	100.00
19.040	19.040 (1.196)	120	3825770			12.48- 72.48	42.20
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.482	19.482 (1.224)	146	4721190	20.0000	20.149	70.00- 130.00	100.00
19.482	19.482 (1.224)	148	2947158			0.00- 30.00	62.42
19.482	19.482 (1.224)	111	2323762			0.00- 30.00	49.22
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	4850443	20.0000	20.064	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	3056302			0.00- 30.00	63.01
19.621	19.621 (1.233)	111	2320639			0.00- 30.00	47.84
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	7500677	20.0000	23.699	70.00- 130.00	100.00
19.814	19.814 (1.245)	126	1328567			0.00- 30.00	17.71
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	4542421	20.0000	19.938	70.00- 130.00	100.00
20.118	20.118 (1.264)	148	2826881			32.79- 92.79	62.23
20.118	20.118 (1.264)	111	2273503			20.92- 80.92	50.05
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	3638800	20.0000	20.148	70.00- 130.00	100.00
21.916	21.916 (1.377)	182	3422249			63.86- 123.86	94.05
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	2952492	20.0000	19.929	70.00- 130.00	100.00
22.054	22.054 (1.386)	223	1874597			0.00- 30.00	63.49
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	7964350	20.0000	20.568	70.00- 130.00	100.00
22.220	22.220 (1.396)	127	980647			0.00- 30.00	12.31
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	3334799	20.0000	20.023	70.00- 130.00	100.00
11.243	11.243 (1.190)	98	1581007			0.00- 30.00	47.41
11.243	11.243 (1.190)	55	5287344			0.00- 30.00	158.55
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	429040	20.0000	21.326	70.00- 130.00	100.00
3.556	3.556 (0.376)	43	3288730			0.00- 30.00	766.53
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.897	7.897 (0.836)	59	6350192	20.0000	28.539	70.00- 130.00	100.00
7.897	7.897 (0.836)	41	3143939			0.00- 30.00	49.51
7.897	7.897 (0.836)	57	2610474			0.00- 30.00	41.11

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042425.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 50ppbv-20ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 10
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	421084	-3.67
60 1,4-Difluorobenze	1950663	1170398	2730928	1958221	0.39
80 Chlorobenzene-d5	1871396	1122838	2619954	1864185	-0.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042425.d

Date : 24-APR-2008 22:25

Client ID: Level 10

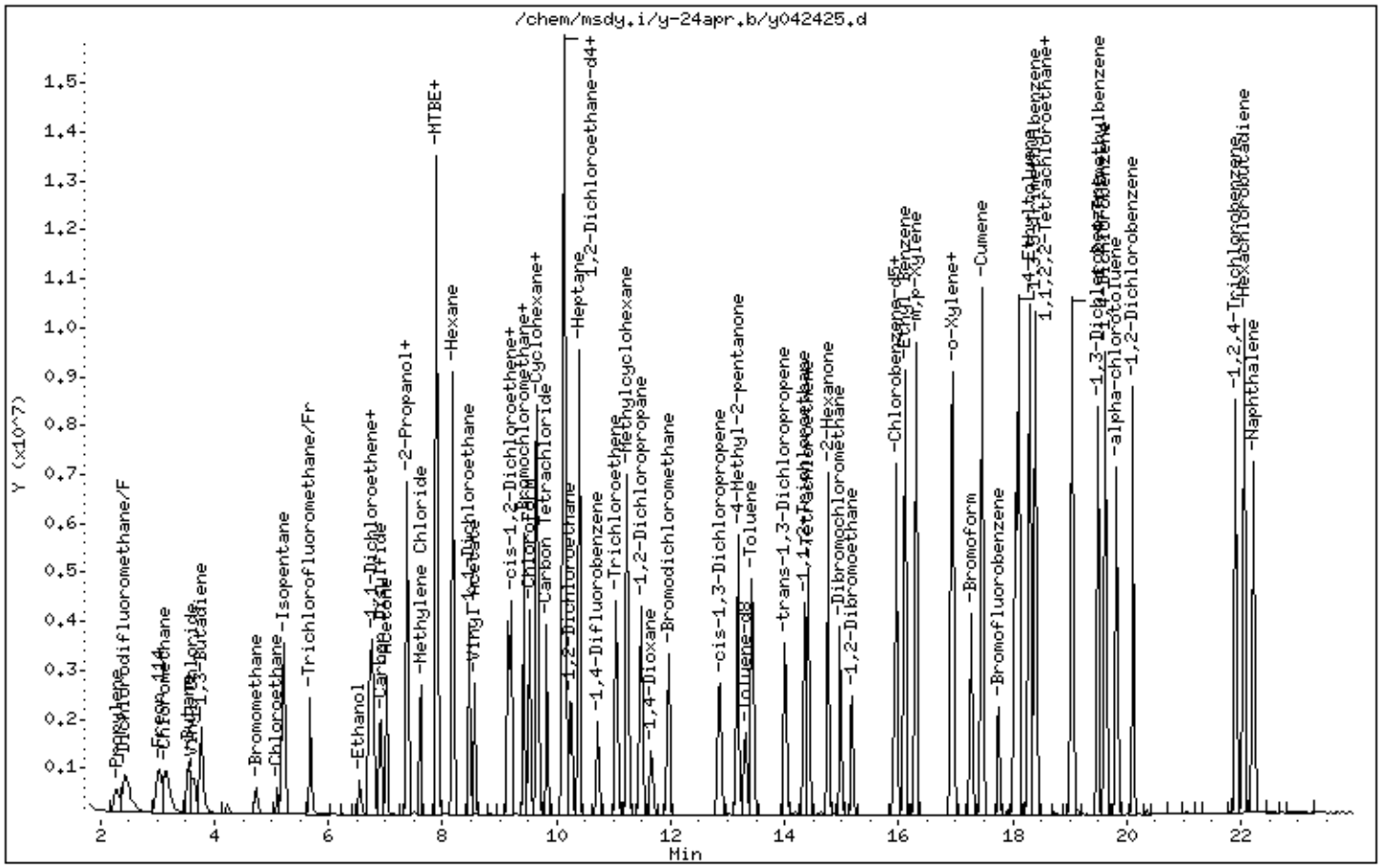
Instrument: msdy.i

Sample Info: 200ml #1541-95

Operator: cb

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-16may.b/y051607.d
Lab Smp Id: ICAl Client Smp ID: Level 11
Inj Date : 16-MAY-2008 13:05
Operator : se Inst ID: msdy.i
Smp Info : 400ml #1541-173 50ppbv
Misc Info : 50ppbv->40ppbv
Comment :
Method : /chem/msdy.i/y-16may.b/t14ll0424c.m
Meth Date : 19-May-2008 11:20 tsanfel Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4c.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	365724	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	273311			0.00- 30.00		74.73
9.446	9.446 (1.000)	49	1284094			0.00- 30.00		351.11
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.745	10.745 (1.000)	114	1256531	10.0000		70.00- 130.00		100.00
10.745	10.745 (1.000)	88	210886			0.00- 47.29		16.78
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1256098	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	771008			0.00- 30.00		61.38
15 Vinyl Bromide						CAS #: 593-60-2		
5.519	5.519 (0.584)	106	867370	40.0000	20.543	70.00- 130.00		100.00
5.519	5.519 (0.584)	108	827262			0.00- 30.00		95.38
27 Acetonitrile						CAS #: 75-05-8		
7.538	7.538 (0.798)	41	3435198	40.0000	22.896	70.00- 130.00		100.00
7.538	7.538 (0.798)	40	1836329			0.00- 30.00		53.46

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.538	7.538 (0.798)	39	694574			0.00- 30.00	20.22
31 Acrylonitrile					CAS #: 107-13-1		
8.063	8.063 (0.854)	53	5381698	40.0000	48.751	70.00- 130.00	100.00(A)
8.063	8.063 (0.854)	52	4581824			0.00- 30.00	85.14
37 Chloroprene					CAS #: 126-99-8		
8.533	8.533 (0.903)	53	7596491	40.0000	53.705	70.00- 130.00	100.00(A)
8.533	8.533 (0.903)	88	2122894			0.00- 30.00	27.95

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: msdy.i
Lab File ID: y051607.d
Lab Smp Id: ICAl
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-16may.b/t14ll0424c.m
Misc Info: 50ppbv->40ppbv

Calibration Date: 16-MAY-2008
Calibration Time: 11:38
Client Smp ID: Level 11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	355674	213404	497944	365724	2.83
60 1,4-Difluorobenze	1232011	739207	1724815	1256531	1.99
80 Chlorobenzene-d5	1154110	692466	1615754	1256098	8.84

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.75	0.26
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-16may.b/y051607.d

Date : 16-MAY-2008 13:05

Client ID: Level 11

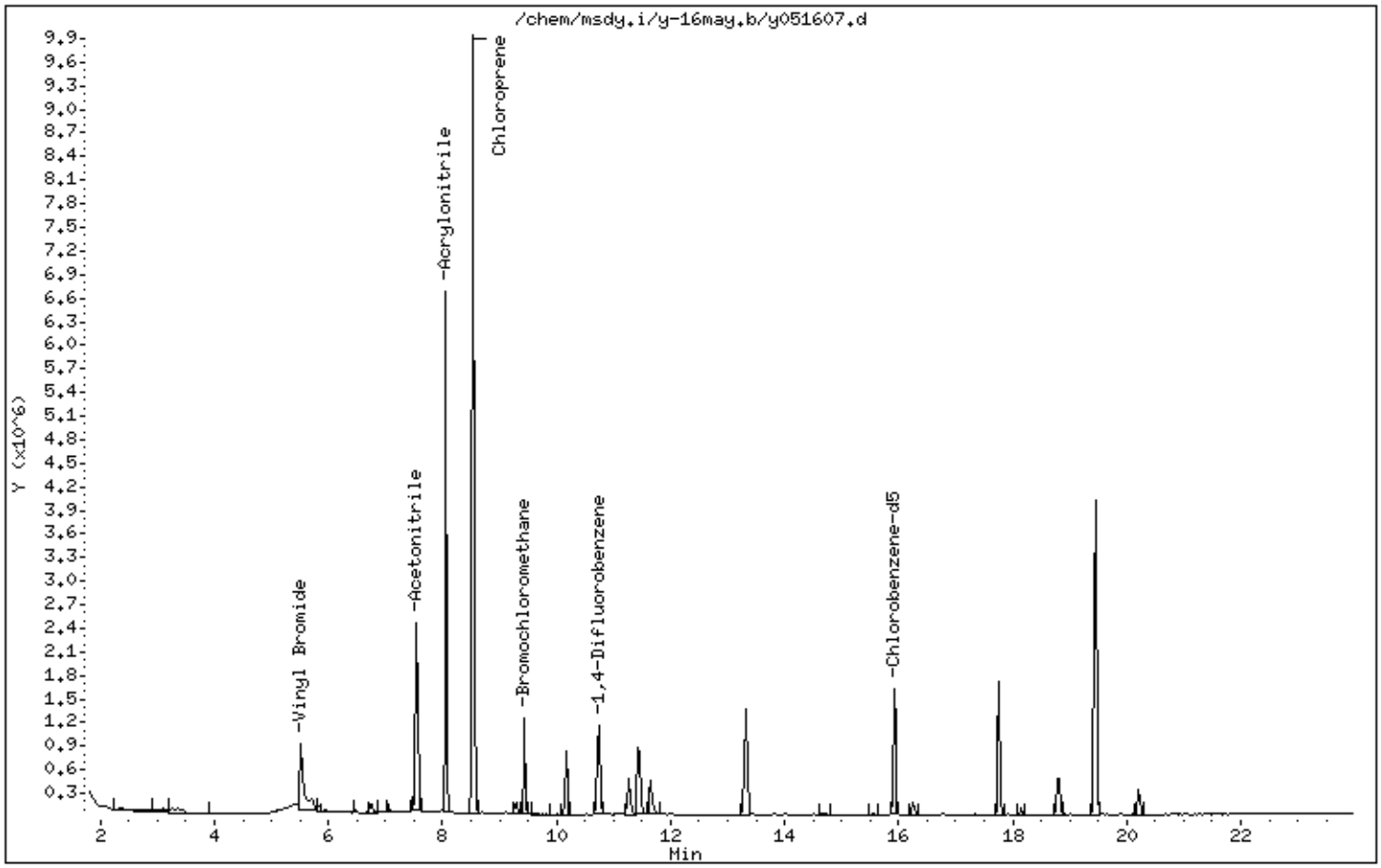
Instrument: msdy.i

Sample Info: 400ml #1541-173 50ppbv

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-08may.b/y050807.d
Lab Smp Id: ICAL Level 11
Inj Date : 08-MAY-2008 13:02
Operator : se Inst ID: msdy.i
Smp Info : 200mL #1576-319A
Misc Info : 100ppbv - 40ppbv
Comment :
Method : /chem/msdy.i/y-08may.b/t14ll0424b.m
Meth Date : 09-May-2008 07:45 seze Quant Type: ISTD
Cal Date : 08-MAY-2008 13:02 Cal File: y050807.d
Als bottle: 1 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp4b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane					CAS #: 74-97-5			
9.446	9.446 (1.000)	130	336022	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	266666			0.00- 30.00		79.36
9.418	9.418 (1.000)	49	1262236			0.00- 30.00		375.64
* 60 1,4-Difluorobenzene					CAS #: 540-36-3			
10.718	10.718 (1.000)	114	1347814	10.0000		80.00- 120.00		100.00
10.718	10.718 (1.000)	88	229894			0.00- 46.90		17.06
* 80 Chlorobenzene-d5					CAS #: 3114-55-4			
15.916	15.916 (1.000)	117	1271517	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	780816			0.00- 30.00		61.41
19 Acrolein					CAS #: 107-02-8			
6.736	6.736 (0.713)	56	1690081	40.0000	43.088	80.00- 120.00		100.00(A)
6.736	6.736 (0.713)	55	1224328			0.00- 30.00		72.44
27 Acetonitrile					CAS #: 75-05-8			
7.510	7.510 (0.795)	41	9728298	40.0000	38.755	80.00- 120.00		100.00
7.510	7.510 (0.795)	40	3772220			0.00- 30.00		38.78

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
27 Acetonitrile (continued)							
7.510	7.510 (0.795)	39	3676776			0.00- 30.00	37.79
31 Acrylonitrile					CAS #: 107-13-1		
8.036	8.035 (0.851)	53	4248662	40.0000	41.438	80.00- 120.00	100.00(A)
8.036	8.035 (0.851)	52	3756599			0.00- 30.00	88.42

QC Flag Legend

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

Report Date: 09-May-2008 07:51

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y050807.d
Lab Smp Id: ICAL Level 11
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-08may.b/t14ll0424b.m
Misc Info: 100ppbv - 40ppbv

Calibration Date: 08-MAY-2008
Calibration Time: 09:50
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	319265	191559	446971	336022	5.25
60 1,4-Difluorobenze	1319452	791671	1847233	1347814	2.15
80 Chlorobenzene-d5	1229851	737911	1721791	1271517	3.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-08may.b/y050807.d

Date : 08-MAY-2008 13:02

Client ID:

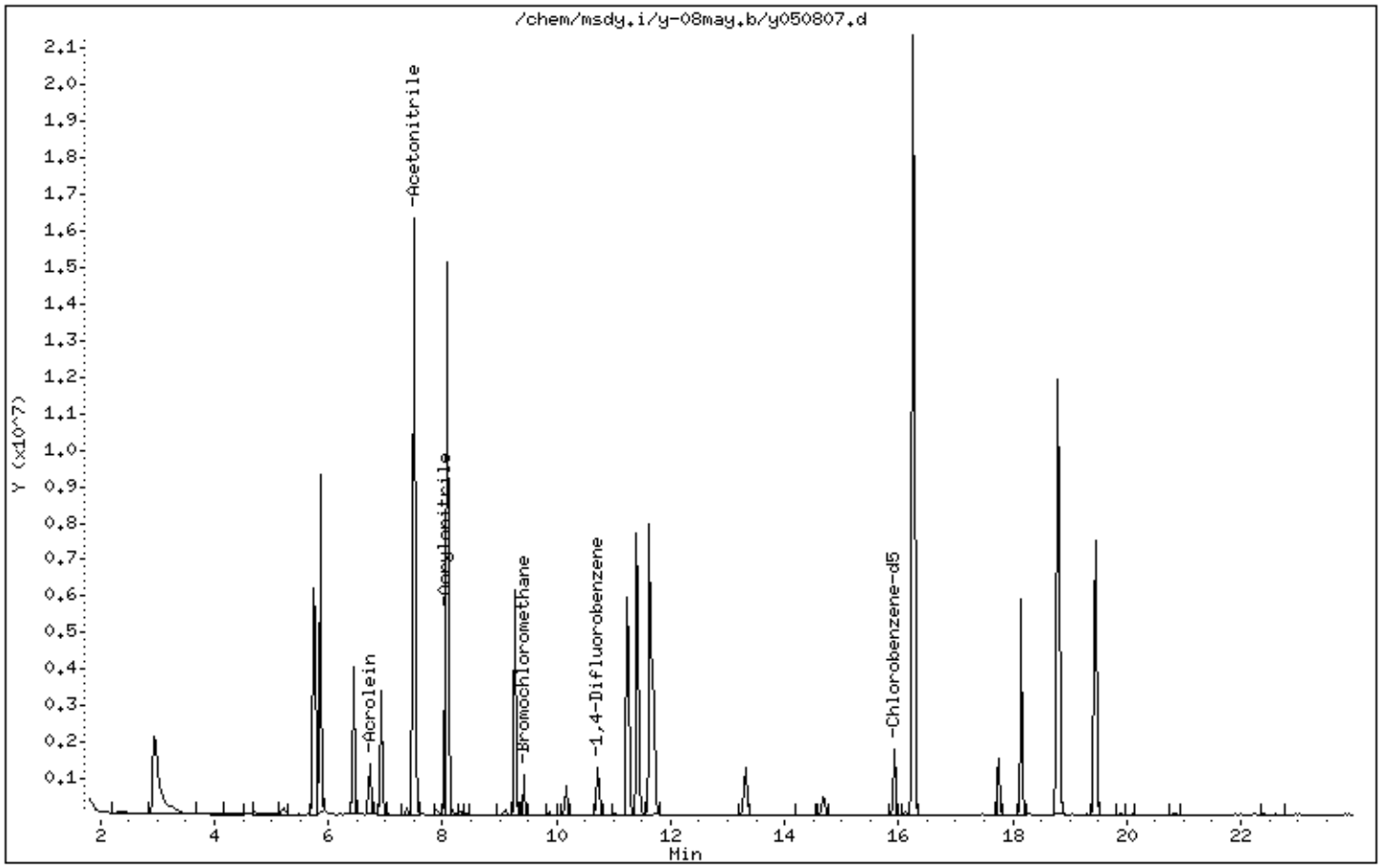
Instrument: msdy.i

Sample Info: 200mL #1576-319A

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042506a.d
Lab Smp Id: ICAL Client Smp ID: Level 11
Inj Date : 25-APR-2008 14:56
Operator : se Inst ID: msdy.i
Smp Info : 400mL #1576-315
Misc Info : 50ppbv -> 40ppbv
Comment :
Method : /chem/msdy.i/y-03jun.b/t14ll0424d.m
Meth Date : 03-Jun-2008 09:38 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp3d.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	466043	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	366588			0.00- 30.00		78.66
9.418	9.418 (1.000)	49	1497078			0.00- 30.00		321.23
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	2095477	10.0000		70.00- 130.00		100.00
10.717	10.717 (1.000)	88	373054			0.00- 47.96		17.80
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1982611	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1263661			0.00- 30.00		63.74
93 2-Chlorotoluene						CAS #: 95-49-8		
18.266	18.266 (1.148)	126	4863736	40.0000	41.863	70.00- 130.00		100.00(A)
18.266	18.266 (1.148)	91	17758241			0.00- 30.00		365.12
18.266	18.266 (1.148)	65	1994176			0.00- 30.00		41.00
103 p-Cymene						CAS #: 99-87-6		
19.510	19.510 (1.226)	119	21954690	40.0000	41.572	70.00- 130.00		100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
103 p-Cymene (continued)							
19.510	19.510 (1.226)	134	5252485			0.00- 30.00	23.92
19.482	19.482 (1.224)	91	5343698			0.00- 30.00	24.34
104 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
19.676	19.676 (1.236)	120	7096251	40.0000	40.524	70.00- 130.00	100.00(A)
19.648	19.648 (1.235)	105	18215260			0.00- 30.00	256.69
19.648	19.648 (1.235)	77	2201234			0.00- 30.00	31.02

QC Flag Legend

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

Report Date: 03-Jun-2008 09:38

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042506a.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-03jun.b/t14ll0424d.m
Misc Info: 50ppbv -> 40ppbv

Calibration Date: 25-APR-2008
Calibration Time: 14:14
Client Smp ID: Level 11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	448036	268822	627250	466043	4.02
60 1,4-Difluorobenze	2079918	1247951	2911885	2095477	0.75
80 Chlorobenzene-d5	1956823	1174094	2739552	1982611	1.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042506a.d

Date : 25-APR-2008 14:56

Client ID: Level 11

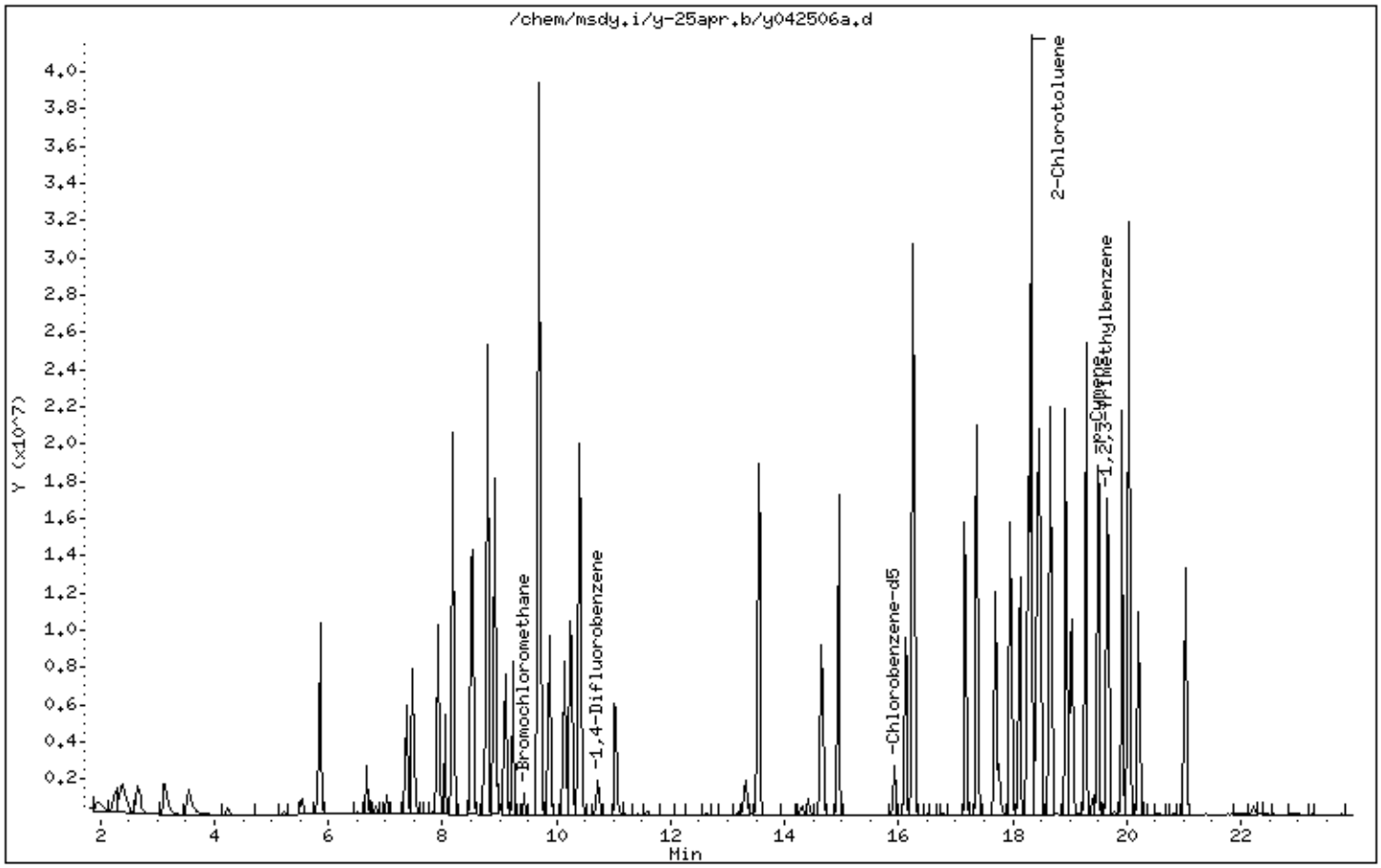
Instrument: msdy.i

Sample Info: 400mL #1576-315

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-25apr.b/y042506.d
Lab Smp Id: ICAL Client Smp ID: Level 11
Inj Date : 25-APR-2008 14:56
Operator : se Inst ID: msdy.i
Smp Info : 400mL #1576-315
Misc Info : 50ppbv -> 40ppbv
Comment :
Method : /chem/msdy.i/y-25apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 15:06 seze Quant Type: ISTD
Cal Date : 25-APR-2008 14:56 Cal File: y042506.d
Als bottle: 1 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp8b.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	466043	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	366588			0.00- 30.00		78.66
9.418	9.418 (1.000)	49	1497078			0.00- 30.00		321.23
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.717	10.717 (1.000)	114	2095477	10.0000		70.00- 130.00		100.00
10.717	10.717 (1.000)	88	373054			0.00- 47.96		17.80
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1982611	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1263661			0.00- 30.00		63.74
46 2,3-Dimethylpentane						CAS #: 565-59-3		
9.694	9.694 (0.905)	71	4980829	80.0000	79.047	70.00- 130.00		100.00(A)
9.694	9.694 (0.905)	56	23533027			0.00- 30.00		472.47
9.694	9.694 (0.905)	43	20811293			0.00- 30.00		417.83
101 sec-Butylbenzene						CAS #: 135-98-8		
19.289	19.289 (1.212)	105	23816075	40.0000	36.720	70.00- 130.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
101 sec-Butylbenzene (continued)							
19.289	19.289 (1.212)	134	4806350			0.00- 30.00	20.18
19.289	19.289 (1.212)	91	4359105			0.00- 30.00	18.30
108 Butylbenzene					CAS #: 104-51-8		
20.035	20.035 (1.259)	134	4970366	40.0000	39.451	70.00- 130.00	100.00
20.035	20.035 (1.259)	91	18381758			413.45- 473.45	369.83
20.035	20.035 (1.259)	92	12961209			0.00- 30.00	260.77
79 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
16.109	16.109 (1.012)	130	141779	40.0000	32.232	70.00- 130.00	100.00
16.109	16.109 (1.012)	117	3382712			0.00- 30.00	2385.90
16.109	16.109 (1.012)	95	1940560			0.00- 30.00	1368.72
91 1,2,3-Trichloropropane					CAS #: 96-18-4		
18.128	18.128 (1.139)	110	3263254	40.0000	41.903	70.00- 130.00	100.00(A)
18.128	18.128 (1.139)	75	9428016			0.00- 30.00	288.91
18.128	18.128 (1.139)	61	3505495			0.00- 30.00	107.42
99 tert-Butylbenzene					CAS #: 98-06-6		
18.929	18.929 (1.189)	119	17087870	40.0000	40.328	70.00- 130.00	100.00(A)
18.929	18.929 (1.189)	134	4036229			0.00- 30.00	23.62
18.929	18.929 (1.189)	91	12512095			0.00- 30.00	73.22
113 1,2-Dibromo-3-chloropropane					CAS #: 96-12-8		
21.031	21.031 (1.321)	157	4411368	40.0000	45.314	70.00- 130.00	100.00(A)
21.031	21.031 (1.321)	75	4994703			77.73- 137.73	113.22
21.031	21.031 (1.321)	155	3472350			0.00- 30.00	78.71
191 4-Chlorotoluene					CAS #: 106-43-4		
18.459	18.459 (1.160)	126	4983216	40.0000	40.813	70.00- 130.00	100.00(A)
18.459	18.459 (1.160)	91	20667662			0.00- 30.00	414.75
18.459	18.459 (1.160)	63	3014080			0.00- 30.00	60.48

QC Flag Legend

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

Report Date: 25-Apr-2008 15:06

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042506.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: se
Method File: /chem/msdy.i/y-25apr.b/t14ll0424a.m
Misc Info: 50ppbv -> 40ppbv

Calibration Date: 25-APR-2008
Calibration Time: 14:14
Client Smp ID: Level 11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	448036	268822	627250	466043	4.02
60 1,4-Difluorobenze	2079918	1247951	2911885	2095477	0.75
80 Chlorobenzene-d5	1956823	1174094	2739552	1982611	1.32

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-25apr.b/y042506.d

Date : 25-APR-2008 14:56

Client ID: Level 11

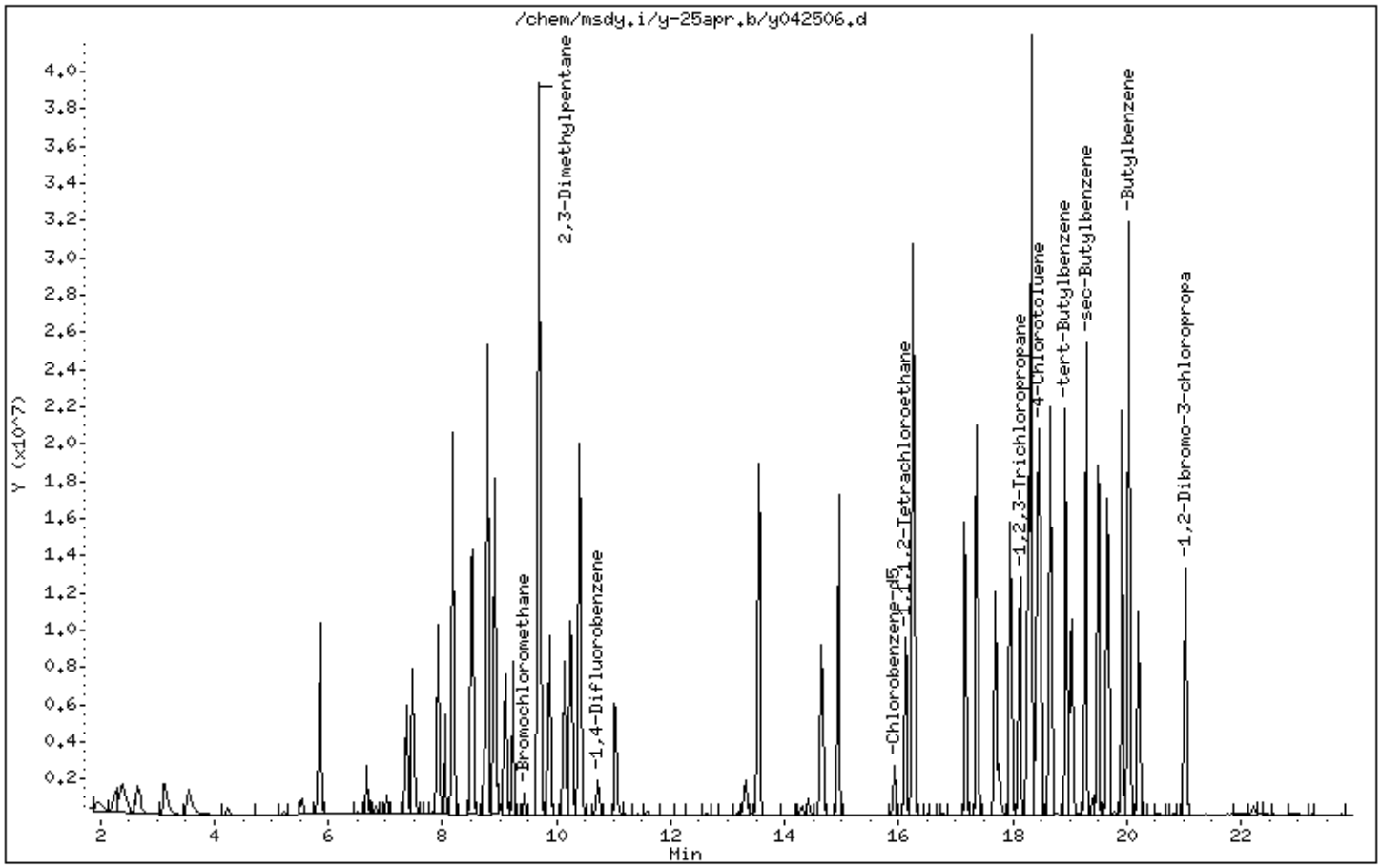
Instrument: msdy.i

Sample Info: 400mL #1576-315

Operator: se

Column phase: RTx-624

Column diameter: 0.32



Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-24apr.b/y042426.d
Lab Smp Id: ICAL Client Smp ID: Level 11
Inj Date : 24-APR-2008 23:20
Operator : kr Inst ID: msdy.i
Smp Info : 400ml #1541-95
Misc Info : 50ppbv-40ppbv
Comment :
Method : /chem/msdy.i/y-24apr.b/t14ll0424a.m
Meth Date : 25-Apr-2008 10:58 seze Quant Type: ISTD
Cal Date : 24-APR-2008 23:20 Cal File: y042426.d
Als bottle: 1 Calibration Sample, Level: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: Hilocurve+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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	396516	10.0000		70.00- 130.00		100.00
9.446	9.446 (1.000)	128	294621			0.00- 30.00		74.30
9.418	9.418 (1.000)	49	1320471			0.00- 30.00		333.02
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1840245	10.0000		70.00- 130.00		100.00
10.718	10.718 (1.000)	88	337493			0.00- 47.57		18.34
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1769542	10.0000		70.00- 130.00		100.00
15.916	15.916 (1.000)	82	1123058			0.00- 30.00		63.47
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	837163	10.0000	10.400	70.00- 130.00		100.00
10.165	10.165 (1.076)	67	498680			0.00- 30.00		59.57
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1923595	10.0000	10.230	70.00- 130.00		100.00
13.317	13.317 (1.242)	70	231034			0.00- 41.41		12.01

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1305774			37.44- 97.44	67.88
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	949353	10.0000	10.377	70.00- 130.00	100.00
17.768	17.768 (1.116)	95	1615430			143.81- 203.81	170.16
17.768	17.768 (1.116)	176	908954			65.44- 125.44	95.74
2 Propylene					CAS #: 115-07-1		
2.257	2.257 (0.239)	41	3060737	40.0000	40.468	70.00- 130.00	100.00(A)
2.257	2.257 (0.239)	42	2059109			0.00- 30.00	67.27
2.257	2.257 (0.239)	39	2097019			0.00- 30.00	68.51
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.423	2.423 (0.256)	85	5968766	40.0000	40.712	70.00- 130.00	100.00(A)
2.423	2.423 (0.256)	87	1914839			1.10- 61.10	32.08
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	3217290	40.0000	41.166	70.00- 130.00	100.00(A)
3.031	3.031 (0.321)	137	993250			0.00- 30.00	30.87
7 Chloromethane					CAS #: 74-87-3		
3.142	3.142 (0.333)	50	4774303	40.0000	42.492	70.00- 130.00	100.00(A)
3.142	3.142 (0.333)	52	1377359			0.00- 30.00	28.85
9 Vinyl Chloride					CAS #: 75-01-4		
3.612	3.612 (0.382)	62	3334253	40.0000	40.065	70.00- 130.00	100.00(A)
3.612	3.612 (0.382)	64	929274			0.00- 57.10	27.87
10 1,3-Butadiene					CAS #: 106-99-0		
3.777	3.777 (0.400)	54	3264254	40.0000	45.983	70.00- 130.00	100.00(A)
3.777	3.777 (0.400)	39	2991412			0.00- 30.00	91.64
12 Bromomethane					CAS #: 74-83-9		
4.718	4.718 (0.499)	94	1609760	40.0000	49.182	70.00- 130.00	100.00(A)
4.718	4.718 (0.499)	96	1521906			68.68- 128.68	94.54
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	1443303	40.0000	43.300	70.00- 130.00	100.00(A)
5.105	5.105 (0.540)	66	401310			0.00- 30.00	27.80
5.105	5.105 (0.540)	49	519482			0.00- 30.00	35.99
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	3390553	40.0000	38.120	70.00- 130.00	100.00
5.215	5.215 (0.552)	43	5071207			0.00- 30.00	149.57
5.215	5.215 (0.552)	42	4427082			0.00- 30.00	130.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.685 (0.602)	101	5527841	40.0000	38.616	70.00- 130.00	100.00
5.685	5.685 (0.602)	103	3551574			33.96- 93.96	64.25
17 Ethanol					CAS #: 64-17-5		
6.570	6.570 (0.696)	45	1654913	40.0000	33.709	70.00- 130.00	100.00
6.570	6.570 (0.696)	43	318259			0.00- 30.00	19.23
6.570	6.570 (0.696)	46	700605			0.00- 30.00	42.33
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.708	6.708 (0.710)	98	973250	40.0000	29.132	70.00- 130.00	100.00
6.708	6.708 (0.710)	61	4755450			0.00- 30.00	488.62
6.708	6.708 (0.710)	96	1548192			0.00- 30.00	159.07
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	2269631	40.0000	31.654	70.00- 130.00	100.00
6.764	6.764 (0.716)	153	1437783			32.64- 92.64	63.35
6.764	6.764 (0.716)	101	3314353			0.00- 30.00	146.03
21 Carbon Disulfide					CAS #: 75-15-0		
6.902	6.902 (0.731)	76	4930206	40.0000	28.830	70.00- 130.00	100.00
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	5229796	40.0000	29.725	70.00- 130.00	100.00
7.013	7.013 (0.742)	58	1655941			0.00- 30.00	31.66
28 2-Propanol					CAS #: 67-63-0		
7.400	7.400 (0.783)	45	5440814	40.0000	28.669	70.00- 130.00	100.00
7.400	7.400 (0.783)	43	990754			0.00- 30.00	18.21
7.400	7.400 (0.783)	59	212876			0.00- 30.00	3.91
22 3-Chloroprene					CAS #: 107-05-1		
7.372	7.372 (0.780)	76	654724	40.0000	26.432	70.00- 130.00	100.00
7.372	7.372 (0.780)	41	4138914			0.00- 30.00	632.16
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	1048230	40.0000	20.223	70.00- 130.00	100.00
7.593	7.593 (0.804)	49	2738182			232.33- 292.33	261.22
7.593	7.593 (0.804)	51	897658			0.00- 30.00	85.64
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	8861004	40.0000	45.642	70.00- 130.00	100.00(A)
7.925	7.925 (0.839)	57	4921536			0.00- 30.00	55.54
7.925	7.925 (0.839)	41	5637479			0.00- 30.00	63.62
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	1733965	40.0000	41.520	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 trans-1,2-Dichloroethene (continued)							
7.897	7.897 (0.836)	61	7066517			0.00- 30.00	407.54
7.897	7.897 (0.836)	96	2772589			0.00- 30.00	159.90
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	10083217	40.0000	40.649	70.00- 130.00	100.00(A)
8.174	8.174 (0.865)	43	6720761			0.00- 30.00	66.65
8.174	8.174 (0.865)	86	928021			0.00- 30.00	9.20
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	8137980	40.0000	40.070	70.00- 130.00	100.00(A)
8.478	8.478 (0.898)	65	2198438			0.00- 57.91	27.01
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	11448410	40.0000	62.581	70.00- 130.00	100.00(A)
8.561	8.561 (0.906)	42	805001			0.00- 30.00	7.03
8.561	8.561 (0.906)	86	598826			0.00- 30.00	5.23
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.142	9.142 (0.968)	98	1994915	40.0000	39.744	70.00- 130.00	100.00
9.142	9.142 (0.968)	61	6826439			310.78- 370.78	342.19
9.142	9.142 (0.968)	96	3139674			127.32- 187.32	157.38
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	1783947	40.0000	40.309	70.00- 130.00	100.00(A)
9.197	9.197 (0.974)	43	13943830			693.85- 753.85	781.63
9.197	9.197 (0.974)	57	970173			0.00- 30.00	54.38
45 Tetrahydrofuran					CAS #: 109-99-9		
9.446	9.446 (1.000)	42	8045914	40.0000	41.422	70.00- 130.00	100.00(A)
9.446	9.446 (1.000)	71	1603971			0.00- 30.00	19.94
9.446	9.446 (1.000)	72	1746119			0.00- 30.00	21.70
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	6181813	40.0000	40.854	70.00- 130.00	100.00(A)
9.529	9.529 (1.009)	85	3926435			33.18- 93.18	63.52
50 Cyclohexane					CAS #: 110-82-7		
9.639	9.639 (1.020)	84	4844289	40.0000	40.197	70.00- 130.00	100.00(A)
9.639	9.639 (1.020)	56	11649833			0.00- 30.00	240.49
9.639	9.639 (1.020)	41	5758850			0.00- 30.00	118.88
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	6219274	40.0000	41.020	70.00- 130.00	100.00(A)
9.667	9.667 (1.023)	99	3954408			33.59- 93.59	63.58

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
52 Carbon Tetrachloride						CAS #: 56-23-5	
9.833	9.833 (1.041)	119	5371543	40.0000	44.612	70.00- 130.00	100.00(A)
9.833	9.833 (1.041)	117	5678417			76.33- 136.33	105.71
56 Benzene						CAS #: 71-43-2	
10.137	10.137 (0.946)	78	10435630	40.0000	38.584	70.00- 130.00	100.00
10.137	10.137 (0.946)	77	2349635			0.00- 30.00	22.52
55 2,2,4-Trimethylpentane						CAS #: 540-84-1	
10.137	10.137 (1.073)	56	10837794	40.0000	42.059	70.00- 130.00	100.00(A)
10.137	10.137 (1.073)	99	908653			0.00- 30.00	8.38
10.137	10.137 (1.073)	41	7298718			0.00- 30.00	67.35
58 1,2-Dichloroethane						CAS #: 107-06-2	
10.275	10.275 (0.959)	62	6283577	40.0000	40.766	70.00- 130.00	100.00(A)
10.275	10.275 (0.959)	64	1816140			0.00- 30.00	28.90
59 Heptane						CAS #: 142-82-5	
10.386	10.386 (0.969)	43	13211396	40.0000	41.138	70.00- 130.00	100.00(A)
10.386	10.386 (0.969)	57	6563457			0.00- 30.00	49.68
10.386	10.386 (0.969)	100	1264350			0.00- 30.00	9.57
61 Trichloroethene						CAS #: 79-01-6	
11.049	11.049 (1.031)	130	3817388	40.0000	38.344	70.00- 130.00	100.00
11.049	11.049 (1.031)	95	4269434			0.00- 30.00	111.84
11.049	11.049 (1.031)	97	2714049			0.00- 30.00	71.10
64 1,2-Dichloropropane						CAS #: 78-87-5	
11.492	11.492 (1.072)	63	5612409	40.0000	40.615	70.00- 130.00	100.00(A)
11.492	11.492 (1.072)	62	4215299			44.90- 104.90	75.11
11.492	11.492 (1.072)	41	3671022			35.38- 95.38	65.41
65 1,4-Dioxane						CAS #: 123-91-1	
11.685	11.685 (1.090)	88	2535464	40.0000	43.098	70.00- 130.00	100.00(A)
11.685	11.685 (1.090)	58	3293291			101.73- 161.73	129.89
11.685	11.685 (1.090)	57	998719			0.00- 30.00	39.39
66 Bromodichloromethane						CAS #: 75-27-4	
11.962	11.962 (1.116)	83	6900580	40.0000	42.524	70.00- 130.00	100.00(A)
11.962	11.962 (1.116)	85	4371558			34.06- 94.06	63.35
67 cis-1,3-Dichloropropene						CAS #: 10061-01-5	
12.874	12.874 (1.201)	75	5782970	40.0000	43.704	70.00- 130.00	100.00(A)
12.874	12.874 (1.201)	77	1803474			0.76- 60.76	31.19
12.874	12.874 (1.201)	39	4850020			52.56- 112.56	83.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	16257292	40.0000	43.977	70.00- 130.00	100.00(A)
13.178	13.178 (1.230)	58	6106359			0.00- 30.00	37.56
13.178	13.178 (1.230)	85	1460686			0.00- 30.00	8.98
72 Toluene					CAS #: 108-88-3		
13.455	13.455 (1.255)	91	12319281	40.0000	41.483	70.00- 130.00	100.00(A)
13.455	13.455 (1.255)	92	7347842			30.90- 90.90	59.65
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.035	14.035 (0.882)	75	5995846	40.0000	45.284	70.00- 130.00	100.00(A)
14.035	14.035 (0.882)	77	1895604			1.70- 61.70	31.62
14.008	14.008 (0.880)	39	4819354			50.51- 110.51	80.38
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	4184647	40.0000	40.761	70.00- 130.00	100.00(A)
14.340	14.340 (0.901)	99	2571516			32.57- 92.57	61.45
14.340	14.340 (0.901)	83	3722380			57.39- 117.39	88.95
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	4261462	40.0000	39.377	70.00- 130.00	100.00
14.423	14.423 (0.906)	129	3586246			53.39- 113.39	84.16
14.423	14.423 (0.906)	131	3419407			50.38- 110.38	80.24
76 2-Hexanone					CAS #: 591-78-6		
14.754	14.754 (0.927)	58	8870734	40.0000	43.825	70.00- 130.00	100.00(A)
14.754	14.754 (0.927)	43	16867991			155.80- 215.80	190.15
14.782	14.782 (0.929)	100	1039033			0.00- 30.00	11.71
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	5918978	40.0000	43.882	70.00- 130.00	100.00(A)
14.976	14.976 (0.941)	127	4658603			0.00- 30.00	78.71
15.003	15.003 (0.943)	208	341514			0.00- 30.00	5.77
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	6461870	40.0000	42.595	70.00- 130.00	100.00(A)
15.197	15.197 (0.955)	109	6050354			64.79- 124.79	93.63
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	10183930	40.0000	40.442	70.00- 130.00	100.00(A)
15.971	15.971 (1.003)	114	3200350			1.49- 61.49	31.43
15.971	15.971 (1.003)	77	6767490			36.08- 96.08	66.45
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	5584402	40.0000	41.372	70.00- 130.00	100.00(A)
16.109	16.109 (1.012)	91	19559429			0.00- 30.00	350.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	7221870	40.0000	40.837	70.00- 130.00	100.00(A)
16.303	16.303 (1.024)	91	15648113			0.00- 30.00	216.68
86 o-Xylene					CAS #: 95-47-6		
16.911	16.911 (1.063)	106	6740606	40.0000	41.533	70.00- 130.00	100.00(A)
16.911	16.911 (1.063)	91	15249729			188.86- 248.86	226.24
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	11744407	40.0000	43.600	70.00- 130.00	100.00(A)
16.966	16.966 (1.066)	78	6141948			21.36- 81.36	52.30
89 Bromoform					CAS #: 75-25-2		
17.270	17.270 (1.085)	173	5582632	40.0000	46.636	70.00- 130.00	100.00(A)
17.270	17.270 (1.085)	171	2875335			21.23- 81.23	51.51
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	19835872	40.0000	41.672	70.00- 130.00	100.00(A)
17.464	17.464 (1.097)	120	4931647			0.00- 55.21	24.86
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	11058762	40.0000	44.705	70.00- 130.00	100.00(A)
18.045	18.045 (1.134)	85	6811637			33.36- 93.36	61.59
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	23160801	40.0000	38.883	70.00- 130.00	100.00
18.100	18.100 (1.137)	120	5268210			0.00- 30.00	22.75
97 4-Ethyltoluene					CAS #: 622-96-8		
18.293	18.293 (1.149)	105	22351421	40.0000	42.838	70.00- 130.00	100.00(A)
18.293	18.293 (1.149)	120	6120046			0.00- 57.80	27.38
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	18490434	40.0000	43.061	70.00- 130.00	100.00(A)
18.404	18.404 (1.156)	120	8348701			16.81- 76.81	45.15
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	18623685	40.0000	44.758	70.00- 130.00	100.00(A)
19.040	19.040 (1.196)	120	7786934			12.48- 72.48	41.81
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.482	19.482 (1.224)	146	9658248	40.0000	43.424	70.00- 130.00	100.00(A)
19.482	19.482 (1.224)	148	5932537			0.00- 30.00	61.42
19.482	19.482 (1.224)	111	4735285			0.00- 30.00	49.03
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	9935085	40.0000	43.295	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
106 1,4-Dichlorobenzene (continued)							
19.621	19.621 (1.233)	148	6149134			0.00- 30.00	61.89
19.621	19.621 (1.233)	111	4741791			0.00- 30.00	47.73
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	17326776	40.0000	57.673	70.00- 130.00	100.00(A)
19.814	19.814 (1.245)	126	3071825			0.00- 30.00	17.73
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.118 (1.264)	146	9242349	40.0000	42.738	70.00- 130.00	100.00(A)
20.118	20.118 (1.264)	148	5700710			32.79- 92.79	61.68
20.118	20.118 (1.264)	111	4781643			20.92- 80.92	51.74
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	7573185	40.0000	44.174	70.00- 130.00	100.00(A)
21.916	21.916 (1.377)	182	7139987			63.86- 123.86	94.28
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	5902965	40.0000	41.976	70.00- 130.00	100.00(A)
22.054	22.054 (1.386)	223	3688934			0.00- 30.00	62.49
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	17692158	40.0000	48.135	70.00- 130.00	100.00(A)
22.220	22.220 (1.396)	127	2163828			0.00- 30.00	12.23
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	6509728	40.0000	41.508	70.00- 130.00	100.00(A)
11.243	11.243 (1.190)	98	3067082			0.00- 30.00	47.12
11.243	11.243 (1.190)	55	10324977			0.00- 30.00	158.61
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	821492	40.0000	43.363	70.00- 130.00	100.00(A)
3.556	3.556 (0.376)	43	6382401			0.00- 30.00	776.93
30 tert-Butyl Alcohol					CAS #: 75-65-0		
7.925	7.925 (0.839)	59	11081157	40.0000	52.887	70.00- 130.00	100.00(A)
7.925	7.925 (0.839)	41	5637479			0.00- 30.00	50.87
7.925	7.925 (0.839)	57	4921536			0.00- 30.00	44.41

QC Flag Legend

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

Report Date: 25-Apr-2008 10:58

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y042426.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msdy.i/y-24apr.b/t14ll0424a.m
Misc Info: 50ppbv-40ppbv

Calibration Date: 24-APR-2008
Calibration Time: 21:37
Client Smp ID: Level 11
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	437118	262271	611965	396516	-9.29
60 1,4-Difluorobenze	1950663	1170398	2730928	1840245	-5.66
80 Chlorobenzene-d5	1871396	1122838	2619954	1769542	-5.44

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-24apr.b/y042426.d

Date : 24-APR-2008 23:20

Client ID: Level 11

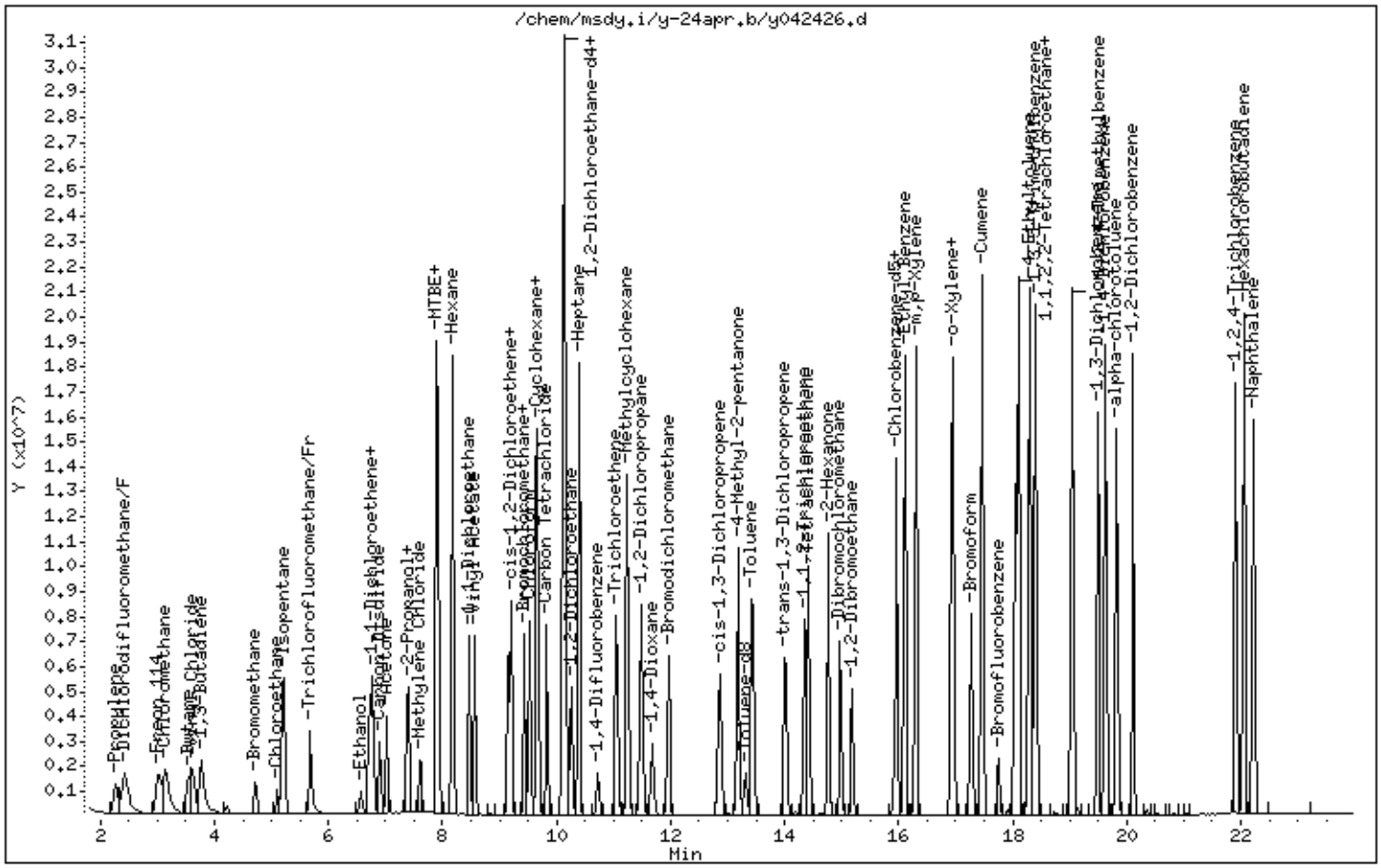
Instrument: msdy.i

Sample Info: 400ml #1541-95

Operator: kr

Column phase: RTx-624

Column diameter: 0.32



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0806229-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 09:38 AM**	

Compound	%Recovery
Freon 12	103
Freon 114	89
Vinyl Chloride	75
Bromomethane	85
Chloroethane	77
Freon 11	108
1,1-Dichloroethene	84
Freon 113	109
Methylene Chloride	98
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	77
Chloroform	100
1,1,1-Trichloroethane	92
Carbon Tetrachloride	105
Benzene	115
1,2-Dichloroethane	130
Trichloroethene	117
1,2-Dichloropropane	107
cis-1,3-Dichloropropene	87
Toluene	115
trans-1,3-Dichloropropene	96
1,1,2-Trichloroethane	121
Tetrachloroethene	128
1,2-Dibromoethane (EDB)	121
Chlorobenzene	117
Ethyl Benzene	116
m,p-Xylene	115
o-Xylene	107
Styrene	111
1,1,2,2-Tetrachloroethane	125
1,3,5-Trimethylbenzene	119
1,2,4-Trimethylbenzene	113
1,3-Dichlorobenzene	129
1,4-Dichlorobenzene	130
alpha-Chlorotoluene	83
1,2-Dichlorobenzene	131 Q
1,3-Butadiene	83
Hexane	76
Cyclohexane	82

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0806229-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061803**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 09:38 AM**	

Compound	**%Recovery**
Heptane	121
Bromodichloromethane	122
Dibromochloromethane	130
Cumene	116
Propylbenzene	123
Chloromethane	96
1,2,4-Trichlorobenzene	114
Hexachlorobutadiene	130
Acetone	117
Carbon Disulfide	97
2-Propanol	78
trans-1,2-Dichloroethene	100
2-Butanone (Methyl Ethyl Ketone)	76
Tetrahydrofuran	82
1,4-Dioxane	95
4-Methyl-2-pentanone	104
2-Hexanone	79
Bromoform	126
4-Ethyltoluene	117
Ethanol	71
Methyl tert-butyl ether	72
3-Chloropropene	91
2,2,4-Trimethylpentane	83
Naphthalene	116

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	115	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	115	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdy.i Injection Date: 18-JUN-2008 09:38
Lab File ID: y061803.d Init. Cal. Date(s): 24-APR-2008 16-MAY-2008
Analysis Type: AIR Init. Cal. Times: 18:02 13:05
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msdy.i/y-18jun.b/t14ll0424d.m

COMPOUND	RRF / AMOUNT	RF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 57 1,2-Dichloroethane-d4	2.03006	2.01774	0.010	0.60699	30.00000	Averaged	
$ 70 Toluene-d8	1.02181	1.17682	0.010	-15.17007	30.00000	Averaged	
$ 92 Bromofluorobenzene	0.51702	0.59400	0.010	-14.88959	30.00000	Averaged	
2 Propylene	1.90743	1.59635	0.010	16.30880	30.00000	Averaged	
4 Dichlorodifluoromethane/Fr1	3.69745	3.80538	0.010	-2.91905	30.00000	Averaged	
6 Freon 114	1.97103	1.74962	0.010	11.23301	30.00000	Averaged	
7 Chloromethane	2.83359	2.71237	0.010	4.27801	30.00000	Averaged	
9 Vinyl Chloride	2.09881	1.58271	0.010	24.58989	30.00000	Averaged	
10 1,3-Butadiene	1.79030	1.48417	0.010	17.09915	30.00000	Averaged	
12 Bromomethane	0.82546	0.70368	0.010	14.75373	30.00000	Averaged	
13 Chloroethane	0.84065	0.64895	0.010	22.80401	30.00000	Averaged	
16 Trichlorofluoromethane/Fr11	3.61012	3.91741	0.010	-8.51208	30.00000	Averaged	
17 Ethanol	1.23813	0.88472	0.010	28.54395	30.00000	Averaged	
20 Freon 113	1.80825	1.97052	0.010	-8.97416	30.00000	Averaged	
18 1,1-Dichloroethene	0.84255	0.70493	0.010	16.33324	30.00000	Averaged	
24 Acetone	4.43710	5.18845	0.010	-16.93346	30.00000	Averaged	
28 2-Propanol	4.78624	3.73910	0.010	21.87813	30.00000	Averaged	
21 Carbon Disulfide	4.31287	4.19788	0.010	2.66610	30.00000	Averaged	
29 Methylene Chloride	1.30721	1.27640	0.010	2.35715	30.00000	Averaged	
32 MTBE	4.89613	3.54123	0.010	27.67291	30.00000	Averaged	
33 trans-1,2-Dichloroethene	1.05323	1.05757	0.010	-0.41281	30.00000	Averaged	
34 Hexane	6.25587	4.73879	0.010	24.25060	30.00000	Averaged	
38 1,1-Dichloroethane	5.12203	4.31631	0.010	15.73040	30.00000	Averaged	
44 2-Butanone	1.11615	0.84730	0.010	24.08756	30.00000	Averaged	
43 cis-1,2-Dichloroethene	1.26587	0.97512	0.010	22.96895	30.00000	Averaged	
45 Tetrahydrofuran	4.89871	4.00249	0.010	18.29495	30.00000	Averaged	
48 Chloroform	3.81614	3.81481	0.010	0.03489	30.00000	Averaged	
51 1,1,1-Trichloroethane	3.82374	3.50207	0.010	8.41233	30.00000	Averaged	
50 Cyclohexane	3.03932	2.47755	0.010	18.48346	30.00000	Averaged	
52 Carbon Tetrachloride	3.03656	3.20304	0.010	-5.48251	30.00000	Averaged	
56 Benzene	1.46973	1.68986	0.010	-14.97696	30.00000	Averaged	
58 1,2-Dichloroethane	0.83759	1.09333	0.010	-30.53242	30.00000	Averaged	<-
59 Heptane	1.74515	2.11021	0.010	-20.91850	30.00000	Averaged	
61 Trichloroethene	0.54099	0.63288	0.010	-16.98574	30.00000	Averaged	
64 1,2-Dichloropropane	0.75090	0.80509	0.010	-7.21687	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdy.i Injection Date: 18-JUN-2008 09:38
Lab File ID: y061803.d Init. Cal. Date(s): 24-APR-2008 16-MAY-2008
Analysis Type: AIR Init. Cal. Times: 18:02 13:05
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /var/chem/msdy.i/y-18jun.b/t14ll0424d.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF10	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
65 1,4-Dioxane	0.31969	0.30381	0.010	4.96534	30.00000	Averaged
66 Bromodichloromethane	0.88182	1.07851	0.010	-22.30536	30.00000	Averaged
67 cis-1,3-Dichloropropene	0.71904	0.62400	0.010	13.21710	30.00000	Averaged
68 4-Methyl-2-pentanone	2.00884	2.09416	0.010	-4.24738	30.00000	Averaged
72 Toluene	1.61376	1.86140	0.010	-15.34495	30.00000	Averaged
73 trans-1,3-Dichloropropene	0.74825	0.71616	0.010	4.28932	30.00000	Averaged
74 1,1,2-Trichloroethane	0.58017	0.70191	0.010	-20.98405	30.00000	Averaged
75 Tetrachloroethene	0.61158	0.78452	0.010	-28.27634	30.00000	Averaged
76 2-Hexanone	1.14387	0.90749	0.010	20.66465	30.00000	Averaged
77 Dibromochloromethane	0.76225	0.98918	0.010	-29.77141	30.00000	Averaged
78 1,2-Dibromoethane	0.85730	1.04048	0.010	-21.36691	30.00000	Averaged
81 Chlorobenzene	1.42305	1.66026	0.010	-16.66940	30.00000	Averaged
84 Ethyl Benzene	0.76280	0.88819	0.010	-16.43871	30.00000	Averaged
85 m,p-Xylene	0.99939	1.15393	0.010	-15.46306	30.00000	Averaged
86 o-Xylene	0.91716	0.98052	0.010	-6.90728	30.00000	Averaged
87 Styrene	1.52225	1.69515	0.010	-11.35827	30.00000	Averaged
89 Bromoform	0.67648	0.84930	0.010	-25.54602	30.00000	Averaged
90 Cumene	2.68998	3.13097	0.010	-16.39401	30.00000	Averaged
94 1,1,2,2-Tetrachloroethane	1.39794	1.74741	0.010	-24.99832	30.00000	Averaged
96 Propylbenzene	3.36613	4.15307	0.010	-23.37802	30.00000	Averaged
97 4-Ethyltoluene	2.94858	3.44710	0.010	-16.90698	30.00000	Averaged
98 1,3,5-Trimethylbenzene	2.42660	2.89648	0.010	-19.36402	30.00000	Averaged
102 1,2,4-Trimethylbenzene	2.35145	2.64811	0.010	-12.61622	30.00000	Averaged
105 1,3-Dichlorobenzene	1.25691	1.62593	0.010	-29.35902	30.00000	Averaged
106 1,4-Dichlorobenzene	1.29681	1.68460	0.010	-29.90354	30.00000	Averaged
109 alpha-chlorotoluene	1.69778	1.40686	0.010	17.13520	30.00000	Averaged
112 1,2-Dichlorobenzene	1.22209	1.59633	0.010	-30.62301	30.00000	Averaged<-
114 1,2,4-Trichlorobenzene	0.96883	1.10454	0.010	-14.00722	30.00000	Averaged
115 Hexachlorobutadiene	0.79471	1.03306	0.010	-29.99139	30.00000	Averaged
55 2,2,4-Trimethylpentane	6.49863	5.38902	0.010	17.07449	30.00000	Averaged
22 3-Chloroprene	0.62470	0.57072	0.010	8.64109	30.00000	Averaged
35 Vinyl Acetate	4.61361	2.74981	0.010	40.39779	40.00000	Averaged<-
14 Isopentane	2.24316	1.84799	0.010	17.61683	30.00000	Averaged
63 Methylcyclohexane	3.95521	3.23850	0.010	18.12047	40.00000	Averaged
8 Butane	0.47778	0.30715	0.010	35.71332	40.00000	Averaged
117 Naphthalene	2.07711	2.39918	0.010	-15.50584	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061803.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 18-JUN-2008 09:38
Operator : mlk Inst ID: msdy.i
Smp Info : 200mL #1541-94A
Misc Info : 25ppbv->10ppbv
Comment :
Method : /var/chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 18-Jun-2008 09:49 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.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
==	====== ========	====	========	=======	=======	==========		=====
* 47 Bromochloromethane						CAS #: 74-97-5		
9.446	9.446 (1.000)	130	409666	10.0000		80.00- 120.00		100.00
9.446	9.446 (1.000)	128	322499			0.00- 30.00		78.72
9.418	9.418 (1.000)	49	1428830			0.00- 30.00		348.78
* 60 1,4-Difluorobenzene						CAS #: 540-36-3		
10.718	10.718 (1.000)	114	1425401	10.0000		80.00- 120.00		100.00
10.718	10.718 (1.000)	88	241881			0.00- 46.97		16.97
* 80 Chlorobenzene-d5						CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1386061	10.0000		80.00- 120.00		100.00
15.916	15.916 (1.000)	82	843440			0.00- 30.00		60.85
$ 57 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	826600	10.0000	9.939	80.00- 120.00		100.00
10.165	10.165 (1.076)	67	412964			0.00- 30.00		49.96
$ 70 Toluene-d8						CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1677434	10.0000	11.517	80.00- 120.00		100.00
13.317	13.317 (1.242)	70	188853			0.00- 41.26		11.26

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1105507			35.90- 95.90	65.90
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	823321	10.0000	11.489	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	1229722			119.36- 179.36	149.36
17.768	17.768 (1.116)	176	788426			65.76- 125.76	95.76
2 Propylene					CAS #: 115-07-1		
2.312	2.312 (0.245)	41	653972	10.0000	8.369	80.00- 120.00	100.00
2.285	2.285 (0.242)	42	442990			0.00- 30.00	67.74
2.285	2.285 (0.242)	39	500660			0.00- 30.00	76.56
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.451	2.451 (0.259)	85	1558934	10.0000	10.292	80.00- 120.00	100.00
2.451	2.451 (0.259)	87	512132			2.85- 62.85	32.85
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	716760	10.0000	8.877	80.00- 120.00	100.00
3.031	3.031 (0.321)	137	224449			0.00- 30.00	31.31
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	1111165	10.0000	9.572	80.00- 120.00	100.00
3.169	3.169 (0.336)	52	319244			0.00- 30.00	28.73
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	648383	10.0000	7.541	80.00- 120.00	100.00
3.639	3.639 (0.385)	64	179188			0.00- 57.64	27.64
10 1,3-Butadiene					CAS #: 106-99-0		
3.778	3.778 (0.400)	54	608016	10.0000	8.290	80.00- 120.00	100.00
3.778	3.778 (0.400)	39	668270			0.00- 30.00	109.91
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	288272	10.0000	8.525	80.00- 120.00	100.00
4.745	4.745 (0.502)	96	259371			59.97- 119.97	89.97
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	265851	10.0000	7.720	80.00- 120.00	100.00
5.105	5.105 (0.540)	66	71607			0.00- 30.00	26.94
5.105	5.105 (0.540)	49	121252			0.00- 30.00	45.61
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.686	5.686 (0.602)	101	1604831	10.0000	10.851	80.00- 120.00	100.00
5.686	5.686 (0.602)	103	1017509			33.40- 93.40	63.40

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Ethanol					CAS #: 64-17-5		
6.543	6.543 (0.693)	45	362440	10.0000	7.146	80.00- 120.00	100.00
6.543	6.543 (0.693)	43	103863			0.00- 30.00	28.66
6.543	6.543 (0.693)	46	149536			0.00- 30.00	41.26
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	807256	10.0000	10.897	80.00- 120.00	100.00
6.764	6.764 (0.716)	153	494017			31.20- 91.20	61.20
6.764	6.764 (0.716)	101	1112291			0.00- 30.00	137.79
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	288787	10.0000	8.367	80.00- 120.00	100.00
6.736	6.736 (0.713)	61	1241195			0.00- 30.00	429.80
6.736	6.736 (0.713)	96	443497			0.00- 30.00	153.57
24 Acetone					CAS #: 67-64-1		
7.013	7.013 (0.742)	43	2125532	10.0000	11.693	80.00- 120.00	100.00
7.013	7.013 (0.742)	58	582454			0.00- 30.00	27.40
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	1531782	10.0000	7.812	80.00- 120.00	100.00
7.372	7.372 (0.780)	43	471783			0.00- 30.00	30.80
7.372	7.372 (0.780)	59	51877			0.00- 30.00	3.39
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	1719729	10.0000	9.733	80.00- 120.00	100.00
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	522898	10.0000	9.764	80.00- 120.00	100.00
7.621	7.621 (0.807)	49	1575952			271.39- 331.39	301.39
7.621	7.621 (0.807)	51	476385			0.00- 30.00	91.10
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	1450722	10.0000	7.233	80.00- 120.00	100.00
7.897	7.897 (0.836)	57	755931			0.00- 30.00	52.11
7.897	7.897 (0.836)	41	1635467			0.00- 30.00	112.73
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	433252	10.0000	10.041	80.00- 120.00	100.00
7.897	7.897 (0.836)	61	1593658			0.00- 30.00	367.84
7.897	7.897 (0.836)	96	676127			0.00- 30.00	156.06
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	1941320	10.0000	7.575	80.00- 120.00	100.00
8.174	8.174 (0.865)	43	1543543			0.00- 30.00	79.51
8.174	8.174 (0.865)	86	179487			0.00- 30.00	9.25

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	1768246	10.0000	8.427	80.00- 120.00	100.00
8.478	8.478 (0.898)	65	493932			0.00- 57.93	27.93
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	347109	10.0000	7.591	80.00- 120.00	100.00
9.197	9.197 (0.974)	43	2958595			822.35- 882.35	852.35
9.197	9.197 (0.974)	57	204704			0.00- 30.00	58.97
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.169	9.169 (0.971)	98	399472	10.0000	7.703	80.00- 120.00	100.00
9.142	9.142 (0.968)	61	1308270			297.50- 357.50	327.50
9.169	9.169 (0.971)	96	658387			134.81- 194.81	164.81
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	1639685	10.0000	8.170	80.00- 120.00	100.00
9.446	9.446 (1.000)	71	282270			0.00- 30.00	17.21
9.446	9.446 (1.000)	72	311686			0.00- 30.00	19.01
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	1562799	10.0000	9.996	80.00- 120.00	100.00
9.529	9.529 (1.009)	85	995627			33.71- 93.71	63.71
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	1434679	10.0000	9.159	80.00- 120.00	100.00
9.667	9.667 (1.023)	99	899179			32.67- 92.67	62.67
50 Cyclohexane					CAS #: 110-82-7		
9.667	9.667 (1.023)	84	1014969	10.0000	8.152	80.00- 120.00	100.00
9.667	9.667 (1.023)	56	2288286			0.00- 30.00	225.45
9.639	9.639 (1.020)	41	1398845			0.00- 30.00	137.82
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	1312178	10.0000	10.548	80.00- 120.00	100.00
9.833	9.833 (1.041)	117	1364383			73.98- 133.98	103.98
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	2408723	10.0000	11.498	80.00- 120.00	100.00
10.137	10.137 (0.946)	77	549323			0.00- 30.00	22.81
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	1558434	10.0000	13.053	80.00- 120.00	100.00
10.275	10.275 (0.959)	64	448616			0.00- 30.00	28.79
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	3007893	10.0000	12.092	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	59 Heptane (continued)						
10.386	10.386 (0.969)	57	1358868			0.00- 30.00	45.18
10.386	10.386 (0.969)	100	261327			0.00- 30.00	8.69
	61 Trichloroethene				CAS #: 79-01-6		
11.049	11.049 (1.031)	130	902107	10.0000	11.698	80.00- 120.00	100.00
11.049	11.049 (1.031)	95	965994			0.00- 30.00	107.08
11.049	11.049 (1.031)	97	613433			0.00- 30.00	68.00
	64 1,2-Dichloropropane				CAS #: 78-87-5		
11.492	11.492 (1.072)	63	1147579	10.0000	10.722	80.00- 120.00	100.00
11.492	11.492 (1.072)	62	844387			43.58- 103.58	73.58
11.492	11.492 (1.072)	41	1054422			61.88- 121.88	91.88
	65 1,4-Dioxane				CAS #: 123-91-1		
11.685	11.685 (1.090)	88	433055	10.0000	9.503	80.00- 120.00	100.00
11.685	11.685 (1.090)	58	581270			104.23- 164.23	134.23
11.685	11.685 (1.090)	57	197225			0.00- 30.00	45.54
	66 Bromodichloromethane				CAS #: 75-27-4		
11.962	11.962 (1.116)	83	1537306	10.0000	12.230	80.00- 120.00	100.00
11.962	11.962 (1.116)	85	968980			33.03- 93.03	63.03
	67 cis-1,3-Dichloropropene				CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	889457	10.0000	8.678	80.00- 120.00	100.00
12.874	12.874 (1.201)	77	268218			0.16- 60.16	30.16
12.874	12.874 (1.201)	39	859050			66.58- 126.58	96.58
	68 4-Methyl-2-pentanone				CAS #: 108-10-1		
13.178	13.178 (1.230)	43	2985022	10.0000	10.425	80.00- 120.00	100.00
13.178	13.178 (1.230)	58	928192			0.00- 30.00	31.09
13.178	13.178 (1.230)	85	218849			0.00- 30.00	7.33
	72 Toluene				CAS #: 108-88-3		
13.455	13.455 (1.255)	91	2653235	10.0000	11.534	80.00- 120.00	100.00
13.455	13.455 (1.255)	92	1553633			28.56- 88.56	58.56
	73 trans-1,3-Dichloropropene				CAS #: 10061-02-6		
14.036	14.036 (0.882)	75	992640	10.0000	9.571	80.00- 120.00	100.00
14.036	14.036 (0.882)	77	313131			1.55- 61.55	31.55
14.036	14.036 (0.882)	39	916774			62.36- 122.36	92.36
	74 1,1,2-Trichloroethane				CAS #: 79-00-5		
14.340	14.340 (0.901)	97	972887	10.0000	12.098	80.00- 120.00	100.00
14.340	14.340 (0.901)	99	599612			31.63- 91.63	61.63
14.340	14.340 (0.901)	83	835754			55.90- 115.90	85.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	1087386	10.0000	12.828	80.00- 120.00	100.00
14.423	14.423 (0.906)	129	856364			48.75- 108.75	78.75
14.423	14.423 (0.906)	131	830928			46.42- 106.42	76.42
76 2-Hexanone					CAS #: 591-78-6		
14.782	14.782 (0.929)	58	1257841	10.0000	7.934	80.00- 120.00	100.00
14.782	14.782 (0.929)	43	2769661			190.19- 250.19	220.19
14.782	14.782 (0.929)	100	149790			0.00- 30.00	11.91
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	1371065	10.0000	12.977	80.00- 120.00	100.00
14.976	14.976 (0.941)	127	1099196			0.00- 30.00	80.17
15.003	15.003 (0.943)	208	73516			0.00- 30.00	5.36
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	1442172	10.0000	12.137	80.00- 120.00	100.00
15.197	15.197 (0.955)	109	1353037			63.82- 123.82	93.82
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	2301228	10.0000	11.667	80.00- 120.00	100.00
15.971	15.971 (1.003)	114	729372			1.69- 61.69	31.69
15.971	15.971 (1.003)	77	1414348			31.46- 91.46	61.46
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	1231085	10.0000	11.644	80.00- 120.00	100.00
16.109	16.109 (1.012)	91	3975458			0.00- 30.00	322.92
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	1599417	10.0000	11.546	80.00- 120.00	100.00
16.303	16.303 (1.024)	91	3203338			0.00- 30.00	200.28
86 o-Xylene					CAS #: 95-47-6		
16.939	16.939 (1.064)	106	1359054	10.0000	10.691	80.00- 120.00	100.00
16.939	16.939 (1.064)	91	2937350			186.13- 246.13	216.13
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	2349582	10.0000	11.136	80.00- 120.00	100.00
16.966	16.966 (1.066)	78	1170835			19.83- 79.83	49.83
89 Bromoform					CAS #: 75-25-2		
17.271	17.271 (1.085)	173	1177181	10.0000	12.555	80.00- 120.00	100.00
17.271	17.271 (1.085)	171	604666			21.37- 81.37	51.37
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	4339718	10.0000	11.639	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
	90 Cumene (continued)						
17.464	17.464 (1.097)	120	1158423			0.00- 56.69	26.69
	94 1,1,2,2-Tetrachloroethane				CAS #: 79-34-5		
18.045	18.045 (1.134)	83	2422011	10.0000	12.500	80.00- 120.00	100.00
18.045	18.045 (1.134)	85	1506748			32.21- 92.21	62.21
	96 Propylbenzene				CAS #: 103-65-1		
18.100	18.100 (1.137)	91	5756402	10.0000	12.338	80.00- 120.00	100.00
18.100	18.100 (1.137)	120	1239649			0.00- 30.00	21.54
	97 4-Ethyltoluene				CAS #: 622-96-8		
18.294	18.294 (1.149)	105	4777885	10.0000	11.691	80.00- 120.00	100.00
18.294	18.294 (1.149)	120	1386786			0.00- 59.03	29.03
	98 1,3,5-Trimethylbenzene				CAS #: 108-67-8		
18.404	18.404 (1.156)	105	4014702	10.0000	11.936	80.00- 120.00	100.00
18.404	18.404 (1.156)	120	1926809			17.99- 77.99	47.99
	102 1,2,4-Trimethylbenzene				CAS #: 95-63-6		
19.040	19.040 (1.196)	105	3670441	10.0000	11.262	80.00- 120.00	100.00
19.040	19.040 (1.196)	120	1641884			14.73- 74.73	44.73
	105 1,3-Dichlorobenzene				CAS #: 541-73-1		
19.483	19.483 (1.224)	146	2253640	10.0000	12.936	80.00- 120.00	100.00
19.483	19.483 (1.224)	148	1409141			0.00- 30.00	62.53
19.483	19.483 (1.224)	111	1027504			0.00- 30.00	45.59
	106 1,4-Dichlorobenzene				CAS #: 106-46-7		
19.621	19.621 (1.233)	146	2334954	10.0000	12.990	80.00- 120.00	100.00
19.621	19.621 (1.233)	148	1496132			0.00- 30.00	64.08
19.621	19.621 (1.233)	111	1043783			0.00- 30.00	44.70
	109 alpha-chlorotoluene				CAS #: 100-44-7		
19.814	19.814 (1.245)	91	1949995	10.0000	8.286	80.00- 120.00	100.00
19.842	19.842 (1.247)	126	364900			0.00- 30.00	18.71
	112 1,2-Dichlorobenzene				CAS #: 95-50-1		
20.119	20.119 (1.264)	146	2212615	10.0000	13.062	80.00- 120.00	100.00
20.119	20.119 (1.264)	148	1386927			32.68- 92.68	62.68
20.119	20.119 (1.264)	111	1064047			18.09- 78.09	48.09
	114 1,2,4-Trichlorobenzene				CAS #: 120-82-1		
21.916	21.916 (1.377)	180	1530956	10.0000	11.401	80.00- 120.00	100.00
21.916	21.916 (1.377)	182	1445513			64.42- 124.42	94.42

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	1431882	10.0000	12.999	80.00- 120.00	100.00
22.054	22.054 (1.386)	223	913704			0.00- 30.00	63.81
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	2207699	10.0000	8.292	80.00- 120.00	100.00
10.137	10.137 (1.073)	99	188067			0.00- 30.00	8.52
10.137	10.137 (1.073)	41	1881201			0.00- 30.00	85.21
22 3-Chloroprene					CAS #: 107-05-1		
7.400	7.400 (0.783)	76	233806	10.0000	9.136	80.00- 120.00	100.00
7.372	7.372 (0.780)	41	1683710			0.00- 30.00	720.13
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	1126505	10.0000	5.960	80.00- 120.00	100.00
8.561	8.561 (0.906)	42	113885			0.00- 30.00	10.11
8.561	8.561 (0.906)	86	53258			0.00- 30.00	4.73
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	757058	10.0000	8.238	80.00- 120.00	100.00
5.215	5.215 (0.552)	43	1406191			0.00- 30.00	185.74
5.215	5.215 (0.552)	42	1269928			0.00- 30.00	167.75
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	1326705	10.0000	8.188	80.00- 120.00	100.00
11.243	11.243 (1.190)	98	633669			0.00- 30.00	47.76
11.243	11.243 (1.190)	55	2137326			0.00- 30.00	161.10
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	125828	10.0000	6.429	80.00- 120.00	100.00
3.556	3.556 (0.376)	43	1233952			0.00- 30.00	980.67
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	3325412	10.0000	11.550	80.00- 120.00	100.00
22.220	22.220 (1.396)	127	394733			0.00- 30.00	11.87

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061803.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /var/chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 25ppbv->10ppbv

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	409666	0.00
60 1,4-Difluorobenze	1425401	855241	1995561	1425401	0.00
80 Chlorobenzene-d5	1386061	831637	1940485	1386061	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-18jun.b/y061803.d

Date : 18-JUN-2008 09:38

Client ID: CCV-1

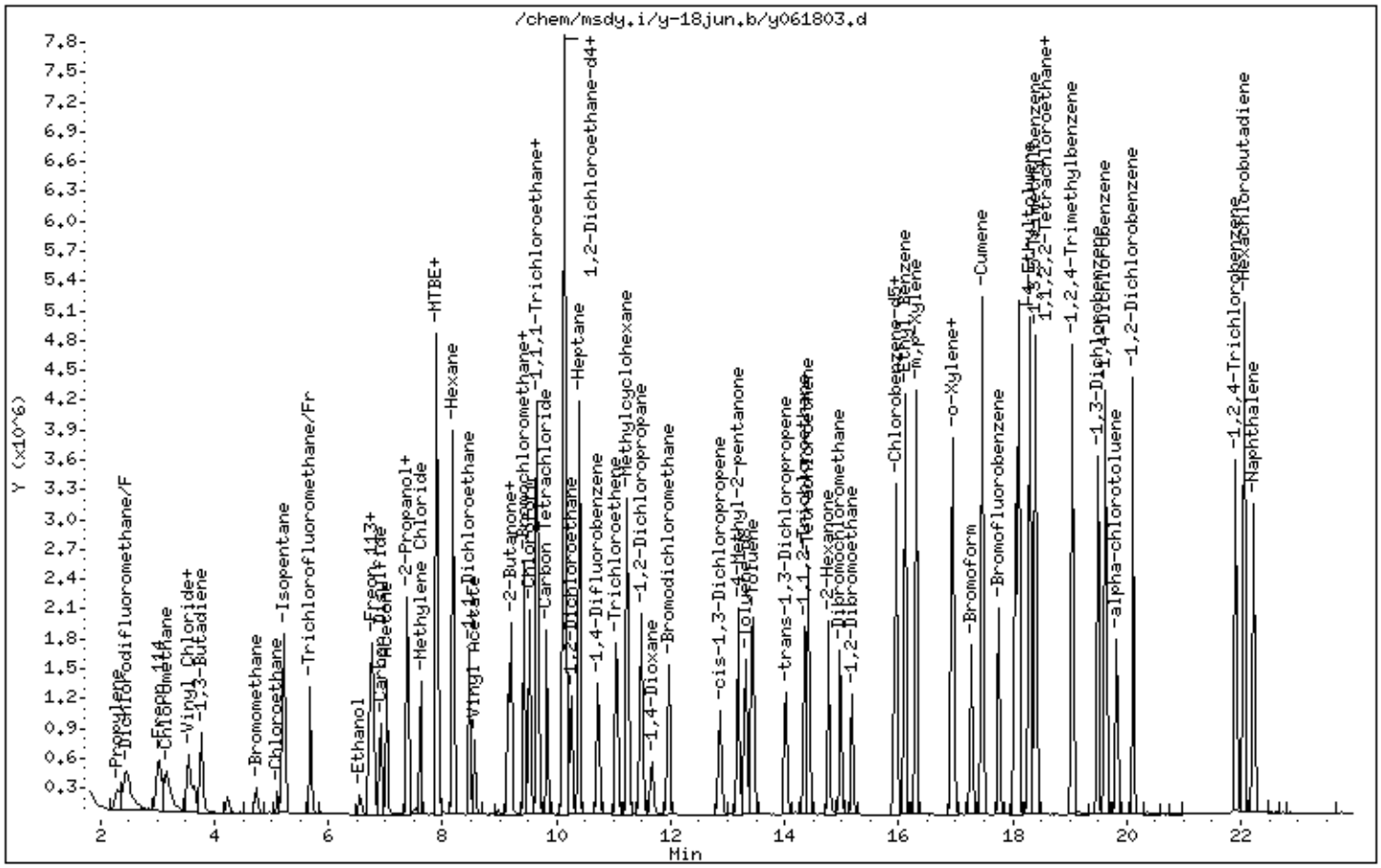
Instrument: msdy.i

Sample Info: 200mL #1541-94A

Operator: mlk

Column phase: RTx-624

Column diameter: 0.32



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0806229-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 10:22 AM**	

Compound	%Recovery
Freon 12	96
Freon 114	88
Vinyl Chloride	74
Bromomethane	82
Chloroethane	76
Freon 11	99
1,1-Dichloroethene	88
Freon 113	114
Methylene Chloride	100
1,1-Dichloroethane	84
cis-1,2-Dichloroethene	74
Chloroform	93
1,1,1-Trichloroethane	88
Carbon Tetrachloride	96
Benzene	97
1,2-Dichloroethane	111
Trichloroethene	121
1,2-Dichloropropane	90
cis-1,3-Dichloropropene	75
Toluene	101
trans-1,3-Dichloropropene	84
1,1,2-Trichloroethane	102
Tetrachloroethene	113
1,2-Dibromoethane (EDB)	103
Chlorobenzene	100
Ethyl Benzene	101
m,p-Xylene	98
o-Xylene	90
Styrene	91
1,1,2,2-Tetrachloroethane	83
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	93
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	109
alpha-Chlorotoluene	62 Q
1,2-Dichlorobenzene	110
1,3-Butadiene	82
Hexane	74
Cyclohexane	76

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0806229-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**y061804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 6/18/08 10:22 AM**	

Compound	%Recovery
Heptane	102
Bromodichloromethane	103
Dibromochloromethane	116
Cumene	101
Propylbenzene	104
Chloromethane	92
1,2,4-Trichlorobenzene	107
Hexachlorobutadiene	104
Acetone	110
Carbon Disulfide	92
2-Propanol	75
trans-1,2-Dichloroethene	93
2-Butanone (Methyl Ethyl Ketone)	70
Tetrahydrofuran	74
1,4-Dioxane	74
4-Methyl-2-pentanone	85
2-Hexanone	62
Bromoform	116
4-Ethyltoluene	100
Ethanol	63
Methyl tert-butyl ether	69
3-Chloropropene	84
2,2,4-Trimethylpentane	78
Naphthalene	94

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	107	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	111	70-130

Report Date: 18-Jun-2008 10:36

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: y-18jun
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: mlk
Data Type: MS DATA SampleType: LCS
SpikeList File: SpectraENSR.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 25ppbv -> 10ppbv

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
4 Dichlorodifluorome	10.000	9.629	96.29	70-130
6 Freon 114	10.000	8.801	88.01	70-130
7 Chloromethane	10.000	9.160	91.60	70-130
9 Vinyl Chloride	10.000	7.448	74.48	70-130
10 1,3-Butadiene	10.000	8.176	81.76	60-140
12 Bromomethane	10.000	8.150	81.50	70-130
13 Chloroethane	10.000	7.617	76.17	70-130
16 Trichlorofluoromet	10.000	9.897	98.97	70-130
17 Ethanol	10.000	6.275	62.75	60-140
20 Freon 113	10.000	11.411	114.11	70-130
24 Acetone	10.000	10.977	109.77	60-140
18 1,1-Dichloroethene	10.000	8.826	88.26	70-130
21 Carbon Disulfide	10.000	9.160	91.60	60-140
28 2-Propanol	10.000	7.536	75.36	60-140
29 Methylene Chloride	10.000	10.054	100.55	70-130
32 MTBE	10.000	6.934	69.34	60-140
33 trans-1,2-Dichloro	10.000	9.270	92.70	60-140
34 Hexane	10.000	7.371	73.71	60-140
38 1,1-Dichloroethane	10.000	8.381	83.81	70-130
43 cis-1,2-Dichloroet	10.000	7.354	73.54	70-130
44 2-Butanone	10.000	7.047	70.47	60-140
45 Tetrahydrofuran	10.000	7.414	74.14	60-140
48 Chloroform	10.000	9.326	93.26	70-130
50 Cyclohexane	10.000	7.624	76.24	60-140
51 1,1,1-Trichloroeth	10.000	8.774	87.74	70-130
52 Carbon Tetrachlori	10.000	9.637	96.37	70-130
56 Benzene	10.000	9.697	96.97	70-130
59 Heptane	10.000	10.167	101.67	60-140
58 1,2-Dichloroethane	10.000	11.066	110.66	70-130
61 Trichloroethene	10.000	12.119	121.19	70-130
64 1,2-Dichloropropan	10.000	8.975	89.75	70-130
65 1,4-Dioxane	10.000	7.376	73.76	60-140
66 Bromodichlorometha	10.000	10.320	103.20	60-140

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
67	cis-1,3-Dichloropr	10.000	7.519	75.19	70-130
68	4-Methyl-2-pentano	10.000	8.543	85.43	60-140
72	Toluene	10.000	10.122	101.22	70-130
73	trans-1,3-Dichloro	10.000	8.375	83.75	70-130
74	1,1,2-Trichloroeth	10.000	10.228	102.28	70-130
75	Tetrachloroethene	10.000	11.281	112.81	70-130
76	2-Hexanone	10.000	6.211	62.11	60-140
77	Dibromochlorometha	10.000	11.595	115.95	60-140
78	1,2-Dibromoethane	10.000	10.326	103.26	70-130
81	Chlorobenzene	10.000	9.997	99.97	70-130
84	Ethyl Benzene	10.000	10.087	100.87	70-130
85	m,p-Xylene	10.000	9.779	97.79	70-130
86	o-Xylene	10.000	8.979	89.79	70-130
87	Styrene	10.000	9.096	90.96	70-130
89	Bromoform	10.000	11.571	115.71	60-140
90	Cumene	10.000	10.139	101.39	60-140
94	1,1,2,2-Tetrachlor	10.000	8.282	82.82	70-130
96	Propylbenzene	10.000	10.395	103.95	60-140
97	4-Ethyltoluene	10.000	10.014	100.15	60-140
98	1,3,5-Trimethylben	10.000	9.625	96.25	70-130
102	1,2,4-Trimethylben	10.000	9.278	92.78	70-130
105	1,3-Dichlorobenzen	10.000	10.782	107.82	70-130
106	1,4-Dichlorobenzen	10.000	10.864	108.64	70-130
109	alpha-chlorotoluen	10.000	6.240	62.40*	70-130
112	1,2-Dichlorobenzen	10.000	11.013	110.13	70-130
114	1,2,4-Trichloroben	10.000	10.735	107.35	70-130
115	Hexachlorobutadien	10.000	10.412	104.12	70-130
55	2,2,4-Trimethylpen	10.000	7.855	78.55	60-140
8	Butane	10.000	7.190	71.90	60-140
14	Isopentane	10.000	8.028	80.28	60-140
22	3-Chloroprene	10.000	8.437	84.37	60-140
35	Vinyl Acetate	10.000	5.497	54.97*	60-140
63	Methylcyclohexane	10.000	7.614	76.14	60-140
117	Naphthalene	10.000	9.426	94.26	60-140

	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 57	1,2-Dichloroethane	10.000	9.973	99.73	70-130
$ 70	Toluene-d8	10.000	10.708	107.08	70-130
$ 92	Bromofluorobenzene	10.000	11.076	110.76	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msdy.i/y-18jun.b/y061804.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 18-JUN-2008 10:22
Operator : mlk Inst ID: msdy.i
Smp Info : 200mL #1541-55A
Misc Info : 25ppbv -> 10ppbv
Comment :
Method : /chem/msdy.i/y-18jun.b/t14ll0424d.m
Meth Date : 18-Jun-2008 10:33 mkisling Quant Type: ISTD
Cal Date : 16-MAY-2008 13:05 Cal File: y051607.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08.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
* 47 Bromochloromethane					CAS #: 74-97-5		
9.446	9.446 (1.000)	130	434012	10.0000		80.00- 120.00	100.00
9.446	9.446 (1.000)	128	344446			0.00- 30.00	79.36
9.418	9.446 (1.000)	49	1535315			0.00- 30.00	353.75
* 60 1,4-Difluorobenzene					CAS #: 540-36-3		
10.717	10.718 (1.000)	114	1656439	10.0000		80.00- 120.00	100.00
10.717	10.718 (1.000)	88	284106			0.00- 46.97	17.15
* 80 Chlorobenzene-d5					CAS #: 3114-55-4		
15.916	15.916 (1.000)	117	1544522	10.0000		80.00- 120.00	100.00
15.916	15.916 (1.000)	82	951642			0.00- 30.00	61.61
$ 57 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
10.165	10.165 (1.076)	65	878671	9.97275	9.973	80.00- 120.00	100.00
10.165	10.165 (1.076)	67	432577			0.00- 30.00	49.23
$ 70 Toluene-d8					CAS #: 2037-26-5		
13.317	13.317 (1.242)	98	1812327	10.7076	10.708	80.00- 120.00	100.00
13.317	13.317 (1.242)	70	205820			0.00- 41.26	11.36

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 70 Toluene-d8 (continued)							
13.317	13.317 (1.242)	100	1211961			35.90- 95.90	66.87
$ 92 Bromofluorobenzene					CAS #: 460-00-4		
17.768	17.768 (1.116)	174	884472	11.0760	11.076	80.00- 120.00	100.00
17.768	17.768 (1.116)	95	1313936			119.36- 179.36	148.56
17.768	17.768 (1.116)	176	866338			65.76- 125.76	97.95
2 Propylene					CAS #: 115-07-1		
2.284	2.312 (0.242)	41	756923	9.14325	9.143	80.00- 120.00	100.00
2.312	2.312 (0.245)	42	502231			0.00- 30.00	66.35
2.284	2.312 (0.242)	39	549124			0.00- 30.00	72.55
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.450	2.451 (0.259)	85	1545199	9.62899	9.629	80.00- 120.00	100.00
2.450	2.451 (0.259)	87	485611			2.85- 62.85	31.43
6 Freon 114					CAS #: 76-14-2		
3.031	3.031 (0.321)	135	752869	8.80086	8.801	80.00- 120.00	100.00
3.031	3.031 (0.321)	137	220086			0.00- 30.00	29.23
7 Chloromethane					CAS #: 74-87-3		
3.169	3.169 (0.336)	50	1126473	9.15972	9.160	80.00- 120.00	100.00
3.169	3.169 (0.336)	52	332681			0.00- 30.00	29.53
9 Vinyl Chloride					CAS #: 75-01-4		
3.639	3.639 (0.385)	62	678399	7.44751	7.448	80.00- 120.00	100.00
3.639	3.639 (0.385)	64	189993			0.00- 57.64	28.01
10 1,3-Butadiene					CAS #: 106-99-0		
3.777	3.778 (0.400)	54	635255	8.17561	8.176	80.00- 120.00	100.00
3.777	3.778 (0.400)	39	654669			0.00- 30.00	103.06
12 Bromomethane					CAS #: 74-83-9		
4.745	4.745 (0.502)	94	291984	8.15005	8.150	80.00- 120.00	100.00
4.745	4.745 (0.502)	96	276055			59.97- 119.97	94.54
13 Chloroethane					CAS #: 75-00-3		
5.105	5.105 (0.540)	64	277899	7.61678	7.617	80.00- 120.00	100.00
5.105	5.105 (0.540)	66	77578			0.00- 30.00	27.92
5.105	5.105 (0.540)	49	122364			0.00- 30.00	44.03
16 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
5.685	5.686 (0.602)	101	1550756	9.89738	9.897	80.00- 120.00	100.00
5.685	5.686 (0.602)	103	994043			33.40- 93.40	64.10

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
17 Ethanol					CAS #: 64-17-5		
6.542	6.543 (0.693)	45	337200	6.27507	6.275	80.00- 120.00	100.00
6.542	6.543 (0.693)	43	99388			0.00- 30.00	29.47
6.542	6.543 (0.693)	46	145587			0.00- 30.00	43.18
20 Freon 113					CAS #: 76-13-1		
6.764	6.764 (0.716)	151	895574	11.4115	11.411	80.00- 120.00	100.00
6.764	6.764 (0.716)	153	537720			31.20- 91.20	60.04
6.764	6.764 (0.716)	101	1187031			0.00- 30.00	132.54
18 1,1-Dichloroethene					CAS #: 75-35-4		
6.736	6.736 (0.713)	98	322748	8.82606	8.826	80.00- 120.00	100.00
6.736	6.736 (0.713)	61	1446349			0.00- 30.00	448.14
6.736	6.736 (0.713)	96	506867			0.00- 30.00	157.05
24 Acetone					CAS #: 67-64-1		
7.012	7.013 (0.742)	43	2113892	10.9770	10.977	80.00- 120.00	100.00
7.012	7.013 (0.742)	58	591202			0.00- 30.00	27.97
28 2-Propanol					CAS #: 67-63-0		
7.372	7.372 (0.780)	45	1565413	7.53586	7.536	80.00- 120.00	100.00
7.372	7.372 (0.780)	43	443120			0.00- 30.00	28.31
7.372	7.372 (0.780)	59	41303			0.00- 30.00	2.64
21 Carbon Disulfide					CAS #: 75-15-0		
6.930	6.930 (0.734)	76	1714523	9.15958	9.160	80.00- 120.00	100.00
29 Methylene Chloride					CAS #: 75-09-2		
7.621	7.621 (0.807)	84	570442	10.0546	10.054	80.00- 120.00	100.00
7.621	7.621 (0.807)	49	1675512			271.39- 331.39	293.72
7.621	7.621 (0.807)	51	510519			0.00- 30.00	89.50
32 MTBE					CAS #: 1634-04-4		
7.897	7.897 (0.836)	73	1473540	6.93437	6.934	80.00- 120.00	100.00
7.897	7.897 (0.836)	57	792180			0.00- 30.00	53.76
7.897	7.897 (0.836)	41	1618678			0.00- 30.00	109.85
33 trans-1,2-Dichloroethene					CAS #: 156-60-5		
7.897	7.897 (0.836)	98	423741	9.26995	9.270	80.00- 120.00	100.00
7.897	7.897 (0.836)	61	1600762			0.00- 30.00	377.77
7.897	7.897 (0.836)	96	661415			0.00- 30.00	156.09
34 Hexane					CAS #: 110-54-3		
8.174	8.174 (0.865)	57	2001287	7.37088	7.371	80.00- 120.00	100.00
8.174	8.174 (0.865)	43	1543516			0.00- 30.00	77.13
8.174	8.174 (0.865)	86	193318			0.00- 30.00	9.66

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
38 1,1-Dichloroethane					CAS #: 75-34-3		
8.478	8.478 (0.898)	63	1863161	8.38121	8.381	80.00- 120.00	100.00
8.478	8.478 (0.898)	65	518653			0.00- 57.93	27.84
44 2-Butanone					CAS #: 78-93-3		
9.197	9.197 (0.974)	72	341384	7.04723	7.047	80.00- 120.00	100.00
9.197	9.197 (0.974)	43	2884052			822.35- 882.35	844.81
9.197	9.197 (0.974)	57	197658			0.00- 30.00	57.90
43 cis-1,2-Dichloroethene					CAS #: 156-59-2		
9.141	9.169 (0.968)	98	404021	7.35380	7.354	80.00- 120.00	100.00
9.141	9.169 (0.968)	61	1366617			297.50- 357.50	338.25
9.141	9.169 (0.968)	96	643453			134.81- 194.81	159.26
45 Tetrahydrofuran					CAS #: 109-99-9		
9.418	9.418 (0.997)	42	1576366	7.41436	7.414	80.00- 120.00	100.00
9.446	9.418 (1.000)	71	289638			0.00- 30.00	18.37
9.446	9.418 (1.000)	72	310196			0.00- 30.00	19.68
48 Chloroform					CAS #: 67-66-3		
9.529	9.529 (1.009)	83	1544656	9.32621	9.326	80.00- 120.00	100.00
9.529	9.529 (1.009)	85	981663			33.71- 93.71	63.55
51 1,1,1-Trichloroethane					CAS #: 71-55-6		
9.667	9.667 (1.023)	97	1456046	8.77376	8.774	80.00- 120.00	100.00
9.667	9.667 (1.023)	99	915159			32.67- 92.67	62.85
50 Cyclohexane					CAS #: 110-82-7		
9.667	9.667 (1.023)	84	1005737	7.62440	7.624	80.00- 120.00	100.00
9.667	9.667 (1.023)	56	2274630			0.00- 30.00	226.17
9.639	9.667 (1.020)	41	1352755			0.00- 30.00	134.50
52 Carbon Tetrachloride					CAS #: 56-23-5		
9.833	9.833 (1.041)	119	1270063	9.63698	9.637	80.00- 120.00	100.00
9.833	9.833 (1.041)	117	1339340			73.98- 133.98	105.45
56 Benzene					CAS #: 71-43-2		
10.137	10.137 (0.946)	78	2360791	9.69713	9.697	80.00- 120.00	100.00
10.137	10.137 (0.946)	77	548917			0.00- 30.00	23.25
58 1,2-Dichloroethane					CAS #: 107-06-2		
10.275	10.275 (0.959)	62	1535298	11.0658	11.066	80.00- 120.00	100.00
10.275	10.275 (0.959)	64	447314			0.00- 30.00	29.14
59 Heptane					CAS #: 142-82-5		
10.386	10.386 (0.969)	43	2938964	10.1668	10.167	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
59 Heptane (continued)							
10.386	10.386 (0.969)	57	1334575			0.00- 30.00	45.41
10.386	10.386 (0.969)	100	264574			0.00- 30.00	9.00
61 Trichloroethene					CAS #: 79-01-6		
11.049	11.049 (1.031)	130	1085988	12.1189	12.119	80.00- 120.00	100.00
11.049	11.049 (1.031)	95	1188950			0.00- 30.00	109.48
11.049	11.049 (1.031)	97	754737			0.00- 30.00	69.50
64 1,2-Dichloropropane					CAS #: 78-87-5		
11.492	11.492 (1.072)	63	1116320	8.97493	8.975	80.00- 120.00	100.00
11.492	11.492 (1.072)	62	845022			43.58- 103.58	75.70
11.492	11.492 (1.072)	41	986664			61.88- 121.88	88.39
65 1,4-Dioxane					CAS #: 123-91-1		
11.685	11.685 (1.090)	88	390591	7.37603	7.376	80.00- 120.00	100.00
11.685	11.685 (1.090)	58	510270			104.23- 164.23	130.64
11.685	11.685 (1.090)	57	156632			0.00- 30.00	40.10
66 Bromodichloromethane					CAS #: 75-27-4		
11.962	11.962 (1.116)	83	1507427	10.3201	10.320	80.00- 120.00	100.00
11.962	11.962 (1.116)	85	986079			33.03- 93.03	65.41
67 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
12.874	12.874 (1.201)	75	895523	7.51878	7.519	80.00- 120.00	100.00
12.874	12.874 (1.201)	77	281081			0.16- 60.16	31.39
12.874	12.874 (1.201)	39	836583			66.58- 126.58	93.42
68 4-Methyl-2-pentanone					CAS #: 108-10-1		
13.178	13.178 (1.230)	43	2842627	8.54278	8.543	80.00- 120.00	100.00
13.178	13.178 (1.230)	58	912941			0.00- 30.00	32.12
13.178	13.178 (1.230)	85	218562			0.00- 30.00	7.69
72 Toluene					CAS #: 108-88-3		
13.455	13.455 (1.255)	91	2705686	10.1219	10.122	80.00- 120.00	100.00
13.455	13.455 (1.255)	92	1599564			28.56- 88.56	59.12
73 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
14.035	14.036 (0.882)	75	967872	8.37481	8.375	80.00- 120.00	100.00
14.035	14.036 (0.882)	77	313740			1.55- 61.55	32.42
14.008	14.036 (0.880)	39	884075			62.36- 122.36	91.34
74 1,1,2-Trichloroethane					CAS #: 79-00-5		
14.340	14.340 (0.901)	97	916466	10.2275	10.228	80.00- 120.00	100.00
14.340	14.340 (0.901)	99	585067			31.63- 91.63	63.84
14.340	14.340 (0.901)	83	807926			55.90- 115.90	88.16

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
75 Tetrachloroethene					CAS #: 127-18-4		
14.423	14.423 (0.906)	166	1065570	11.2806	11.281	80.00- 120.00	100.00
14.423	14.423 (0.906)	129	869316			48.75- 108.75	81.58
14.423	14.423 (0.906)	131	828283			46.42- 106.42	77.73
76 2-Hexanone					CAS #: 591-78-6		
14.782	14.782 (0.929)	58	1097271	6.21074	6.211	80.00- 120.00	100.00
14.782	14.782 (0.929)	43	2381484			190.19- 250.19	217.04
14.782	14.782 (0.929)	100	128305			0.00- 30.00	11.69
77 Dibromochloromethane					CAS #: 124-48-1		
14.976	14.976 (0.941)	129	1365128	11.5953	11.595	80.00- 120.00	100.00
14.976	14.976 (0.941)	127	1056698			0.00- 30.00	77.41
15.003	14.976 (0.943)	208	75617			0.00- 30.00	5.54
78 1,2-Dibromoethane					CAS #: 106-93-4		
15.197	15.197 (0.955)	107	1367347	10.3264	10.326	80.00- 120.00	100.00
15.197	15.197 (0.955)	109	1271441			63.82- 123.82	92.99
81 Chlorobenzene					CAS #: 108-90-7		
15.971	15.971 (1.003)	112	2197310	9.99717	9.997	80.00- 120.00	100.00
15.971	15.971 (1.003)	114	690625			1.69- 61.69	31.43
15.971	15.971 (1.003)	77	1361357			31.46- 91.46	61.96
84 Ethyl Benzene					CAS #: 100-41-4		
16.109	16.109 (1.012)	106	1188427	10.0872	10.087	80.00- 120.00	100.00
16.109	16.109 (1.012)	91	3829025			0.00- 30.00	322.19
85 m,p-Xylene					CAS #: 108-38-3		
16.303	16.303 (1.024)	106	1509478	9.77904	9.779	80.00- 120.00	100.00
16.303	16.303 (1.024)	91	3028823			0.00- 30.00	200.65
86 o-Xylene					CAS #: 95-47-6		
16.939	16.939 (1.064)	106	1271993	8.97932	8.979	80.00- 120.00	100.00
16.911	16.939 (1.063)	91	2799260			186.13- 246.13	220.07
87 Styrene					CAS #: 100-42-5		
16.966	16.966 (1.066)	104	2138572	9.09586	9.096	80.00- 120.00	100.00
16.966	16.966 (1.066)	78	1071446			19.83- 79.83	50.10
89 Bromoform					CAS #: 75-25-2		
17.270	17.271 (1.085)	173	1208952	11.5706	11.571	80.00- 120.00	100.00
17.270	17.271 (1.085)	171	624983			21.37- 81.37	51.70
90 Cumene					CAS #: 98-82-8		
17.464	17.464 (1.097)	105	4212357	10.1387	10.139	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
90 Cumene (continued)							
17.464	17.464 (1.097)	120	1100844			0.00- 56.69	26.13
94 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
18.045	18.045 (1.134)	83	1788134	8.28164	8.282	80.00- 120.00	100.00
18.045	18.045 (1.134)	85	1139414			32.21- 92.21	63.72
96 Propylbenzene					CAS #: 103-65-1		
18.100	18.100 (1.137)	91	5404394	10.3949	10.395	80.00- 120.00	100.00
18.100	18.100 (1.137)	120	1153365			0.00- 30.00	21.34
97 4-Ethyltoluene					CAS #: 622-96-8		
18.293	18.294 (1.149)	105	4560771	10.0145	10.014	80.00- 120.00	100.00
18.293	18.294 (1.149)	120	1280188			0.00- 59.03	28.07
98 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
18.404	18.404 (1.156)	105	3607249	9.62464	9.625	80.00- 120.00	100.00
18.404	18.404 (1.156)	120	1724163			17.99- 77.99	47.80
102 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
19.040	19.040 (1.196)	105	3369740	9.27828	9.278	80.00- 120.00	100.00
19.040	19.040 (1.196)	120	1471756			14.73- 74.73	43.68
105 1,3-Dichlorobenzene					CAS #: 541-73-1		
19.482	19.483 (1.224)	146	2093115	10.7819	10.782	80.00- 120.00	100.00
19.482	19.483 (1.224)	148	1332108			0.00- 30.00	63.64
19.482	19.483 (1.224)	111	993541			0.00- 30.00	47.47
106 1,4-Dichlorobenzene					CAS #: 106-46-7		
19.621	19.621 (1.233)	146	2176095	10.8645	10.864	80.00- 120.00	100.00
19.621	19.621 (1.233)	148	1347940			0.00- 30.00	61.94
19.621	19.621 (1.233)	111	962586			0.00- 30.00	44.23
109 alpha-chlorotoluene					CAS #: 100-44-7		
19.814	19.814 (1.245)	91	1636163	6.23952	6.240	80.00- 120.00	100.00(R)
19.842	19.814 (1.247)	126	297558			0.00- 30.00	18.19
112 1,2-Dichlorobenzene					CAS #: 95-50-1		
20.118	20.119 (1.264)	146	2078736	11.0129	11.013	80.00- 120.00	100.00
20.118	20.119 (1.264)	148	1323060			32.68- 92.68	63.65
20.118	20.119 (1.264)	111	957841			18.09- 78.09	46.08
114 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
21.916	21.916 (1.377)	180	1606427	10.7354	10.735	80.00- 120.00	100.00
21.916	21.916 (1.377)	182	1565785			64.42- 124.42	97.47

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
115 Hexachlorobutadiene					CAS #: 87-68-3		
22.054	22.054 (1.386)	225	1278035	10.4121	10.412	80.00- 120.00	100.00
22.054	22.054 (1.386)	223	814343			0.00- 30.00	63.72
55 2,2,4-Trimethylpentane					CAS #: 540-84-1		
10.137	10.137 (1.073)	56	2215520	7.85511	7.855	80.00- 120.00	100.00
10.137	10.137 (1.073)	99	188256			0.00- 30.00	8.50
10.137	10.137 (1.073)	41	1793284			0.00- 30.00	80.94
22 3-Chloroprene					CAS #: 107-05-1		
7.400	7.400 (0.783)	76	228746	8.43678	8.437	80.00- 120.00	100.00
7.372	7.400 (0.780)	41	1661314			0.00- 30.00	726.27
35 Vinyl Acetate					CAS #: 108-05-4		
8.561	8.561 (0.906)	43	1100688	5.49695	5.497	80.00- 120.00	100.00(R)
8.561	8.561 (0.906)	42	107488			0.00- 30.00	9.77
8.561	8.561 (0.906)	86	59806			0.00- 30.00	5.43
14 Isopentane					CAS #: 78-78-4		
5.215	5.215 (0.552)	57	781571	8.02797	8.028	80.00- 120.00	100.00
5.215	5.215 (0.552)	43	1362538			0.00- 30.00	174.33
5.215	5.215 (0.552)	42	1240961			0.00- 30.00	158.78
63 Methylcyclohexane					CAS #: 108-87-2		
11.243	11.243 (1.190)	83	1306998	7.61385	7.614	80.00- 120.00	100.00
11.243	11.243 (1.190)	98	647970			0.00- 30.00	49.58
11.243	11.243 (1.190)	55	2099880			0.00- 30.00	160.66
8 Butane					CAS #: 106-97-8		
3.556	3.556 (0.376)	58	149100	7.19034	7.190	80.00- 120.00	100.00
3.556	3.556 (0.376)	43	1384954			0.00- 30.00	928.88
117 Naphthalene					CAS #: 91-20-3		
22.220	22.220 (1.396)	128	3023916	9.42576	9.426	80.00- 120.00	100.00
22.220	22.220 (1.396)	127	372330			0.00- 30.00	12.31

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdy.i
Lab File ID: y061804.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: mlk
Method File: /chem/msdy.i/y-18jun.b/t14ll0424d.m
Misc Info: 25ppbv -> 10ppbv

Calibration Date: 18-JUN-2008
Calibration Time: 09:38
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	409666	245800	573532	434012	5.94
60 1,4-Difluorobenze	1425401	855241	1995561	1656439	16.21
80 Chlorobenzene-d5	1386061	831637	1940485	1544522	11.43

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
47 Bromochloromethan	9.45	9.12	9.78	9.45	0.00
60 1,4-Difluorobenze	10.72	10.39	11.05	10.72	0.00
80 Chlorobenzene-d5	15.92	15.59	16.25	15.92	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/msdy.i/y-18jun.b/y061804.d

Date : 18-JUN-2008 10:22

Client ID: LCS-1

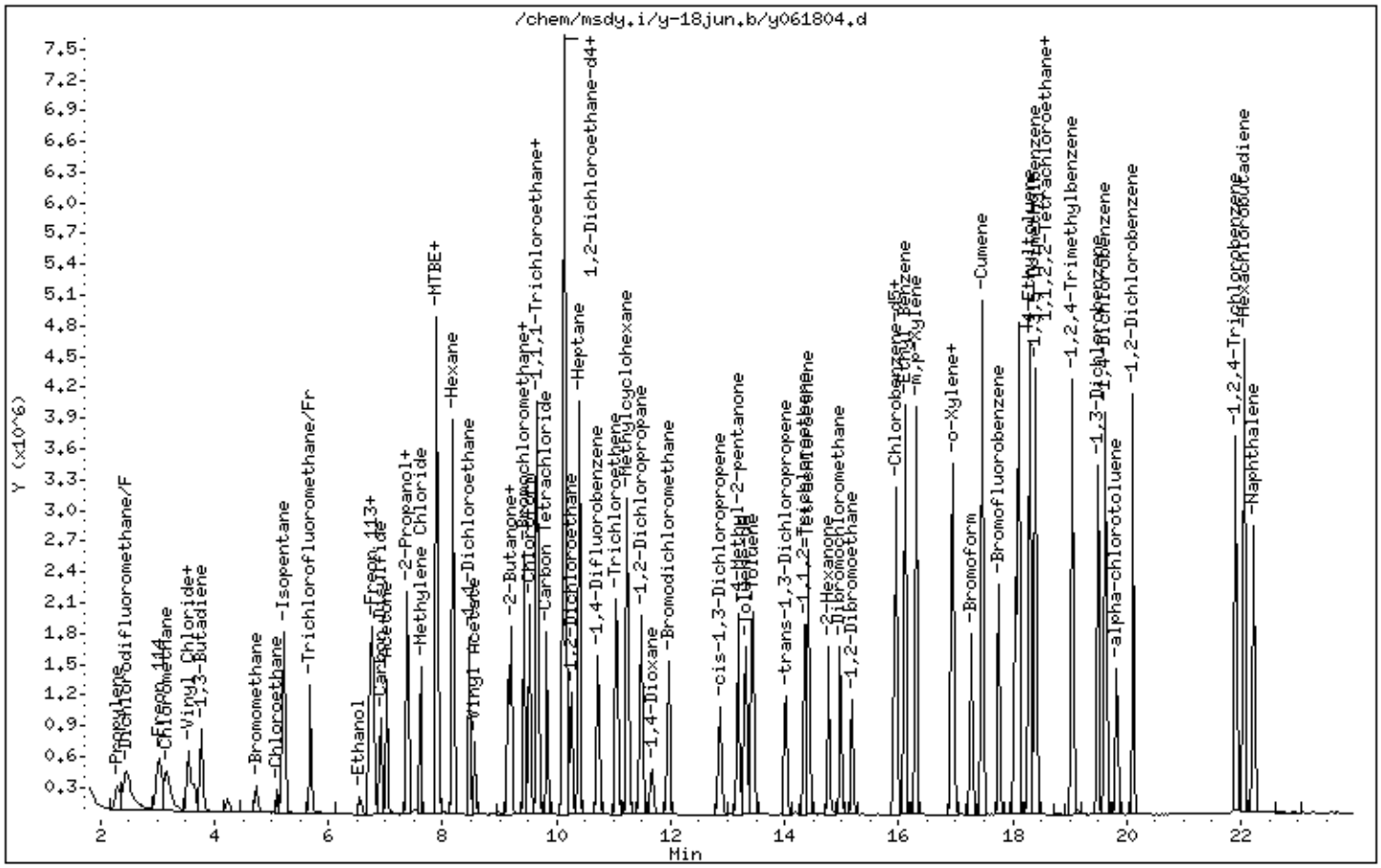
Instrument: msdy.i

Sample Info: 200mL #1541-55A

Operator: mlk

Column phase: RTx-624

Column diameter: 0.32



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MSD-Y

Logbook #: 1630

0238

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	39.60
75	30.0 – 60.0% of mass 95	50.09
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.52
173	Less than 2.0% of mass 174	(0.97)[1]
174	Greater than 50.0% of mass 95	61.59
175	5.0 – 9.0% of mass 174	(7.17)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.41)[1] ✓
177	5.0 – 9.0% of mass 176	(6.50)[2]

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

BFB Injection Date: 6-18-05
BFB Injection Time: 0824
BFB File ID: Y061801
Tekmar Purge Flow:
Vacuum:

IS/S Std.#: 1541-100	Exp. Date: 7/3/05
BCM 409666	
1,4-DFB 1425401	
CB-d5 1356061	

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

Verify 176/174 m/z Ratio: (598144 / 620416) 100 = 96.4102

Calculation Check:

ppbv of compound = $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{IS}}} \times \frac{\text{Conc.}_{\text{IS}}}{\text{RRF}} = \frac{(\ 1677434\ )}{(\ 1425401\ )} \times \frac{(\ 10.0\ )}{(\ 1.02181\ )} = 11.5170$

Reported Result 11.517

File ID: Y061803	
Compound: Toluene-d8	
Initials: MK	

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Date Analyzed	Time Analyzed	Review Init.	Comments
1	✓	Y0618- 01	BFB Tune Check	1476280	50ng	2ul	1.0	6-18-05	0824	MK/ BJ	
2	X	02	System Blank	33878	Humid	500ml	1.0		0856	MK/	
3	✓	03	CCV-1 1541-94A	25psiv	100ppbv	200ml	1.0		0935	MK/ BJ	
4	✓	04	LCS-1 1541-55A	25psiv	100ppbv	200ml	1.0		1022	MK/ BJ	
5	X	05	System Blank	dry	—	500ml	1.0		1114	MK/	
6	X	06	Lab Blank	33878	Humid	500ml	1.0	↓	1214	MK/ BJ	Quad only
7	—	07	Lab Blank	33878	Humid	500ml	1.0				Bad Run MK 6/18/05
8	✓	08	0806238-01A	94944	6.0psig-50%	500ml	1.69	6-18-05	1326	MK/ BJ	
9	—										Not used CB 6/18/05

Signature

6-18-05
Date

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MSD-Y

Logbook #: 1630

0239

10	✓	Y061809	0806238-02A	94611	5.5"Hg-5.0psi	500mL	1.64	6-18-08	1417	CB/BD	
11	✓	10	-03A	12954	6.5"Hg-5psi		1.71		1457	CB/BD	
12	X	11	-04A	12958	29.0"Hg-5psi		1.00		1532	CB/BD	IS ↓
13	✓	12	0806229-01A	35174	9.0"Hg-5psi		1.91		1611	CB/BD	
14	✓	13	-02A	5706	8.5"Hg-5psi		1.87		1655	CB/BD	
15	✓	14	-01AA	35174	9.0"Hg-5psi		1.91		1732	CB/BD	
16	✓	15	0806238-04A	12958	29.0"Hg-5psi		1.00		1816	CB/BD	
17	P	16	Manifold #3 Cert	35282	NA		1.00		2032	CB/BD	
18	P	17	Manifold #2 Cert	34467	—		1.00		2149	CB/BD	
19											
20											
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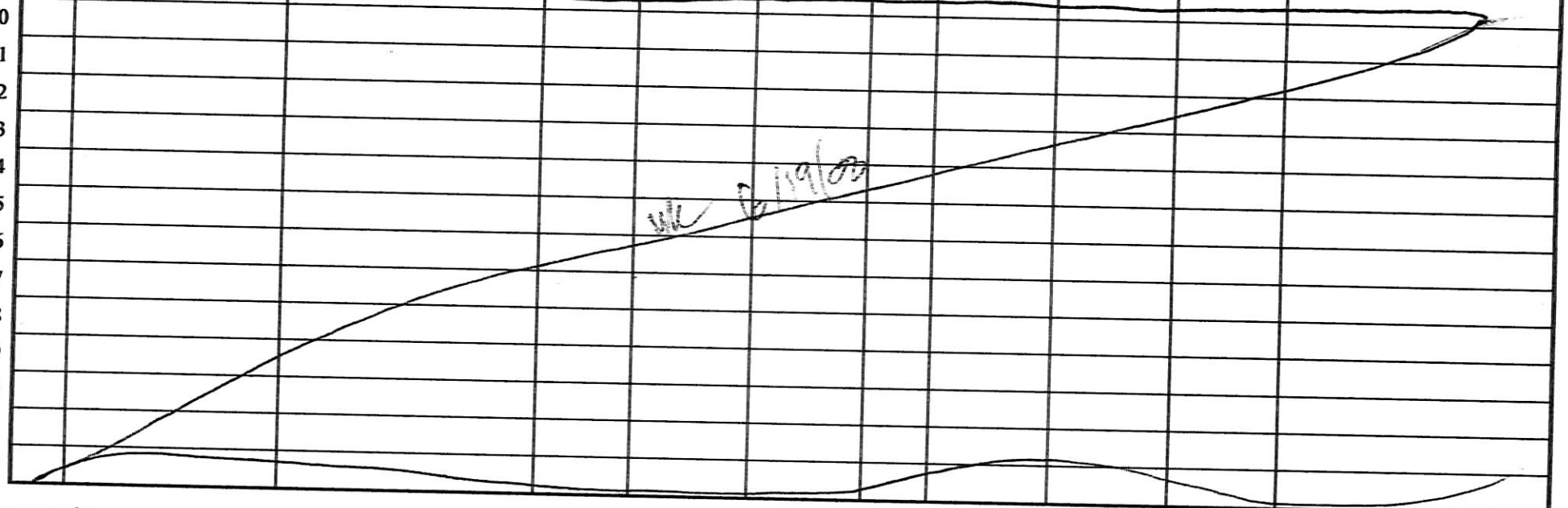
28											
29											
30											
31											
32											



Comments:

Signature

6-19-08
Date

Air Toxics Ltd.

Data file : /var/chem/msdy.i/y-24apr.b/y042417.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 24-APR-2008 15:59
Operator : ej Inst ID: msdy.i
Smp Info : 2uL #1476-281;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdy.i/y-24apr.b/bfb30.m
Meth Date : 24-Apr-2008 08:59 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: BFB
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	MASS	RESPONSE	(ug/L)	(ug/L)	TARGET RANGE	RATIO
1 bfb						CAS #: 460-00-4		
3.854	3.806	0.048	95	1249986			100.00- 100.00	100.00
3.854	3.806	0.048	50	423514			15.00- 40.00	33.88
3.854	3.806	0.048	75	614544			30.00- 60.00	49.16
3.854	3.806	0.048	96	82232			5.00- 9.00	6.58
3.854	3.806	0.048	173	8475			0.00- 2.00	1.16
3.854	3.806	0.048	174	733738			50.00- 100.00	58.70
3.854	3.806	0.048	175	56013			5.00- 9.00	7.63
3.854	3.806	0.048	176	701162			95.00- 101.00	95.56
3.854	3.806	0.048	177	43274			5.00- 9.00	6.17

Data File: /var/chem/msdy.i/y-24apr.b/y042417.d

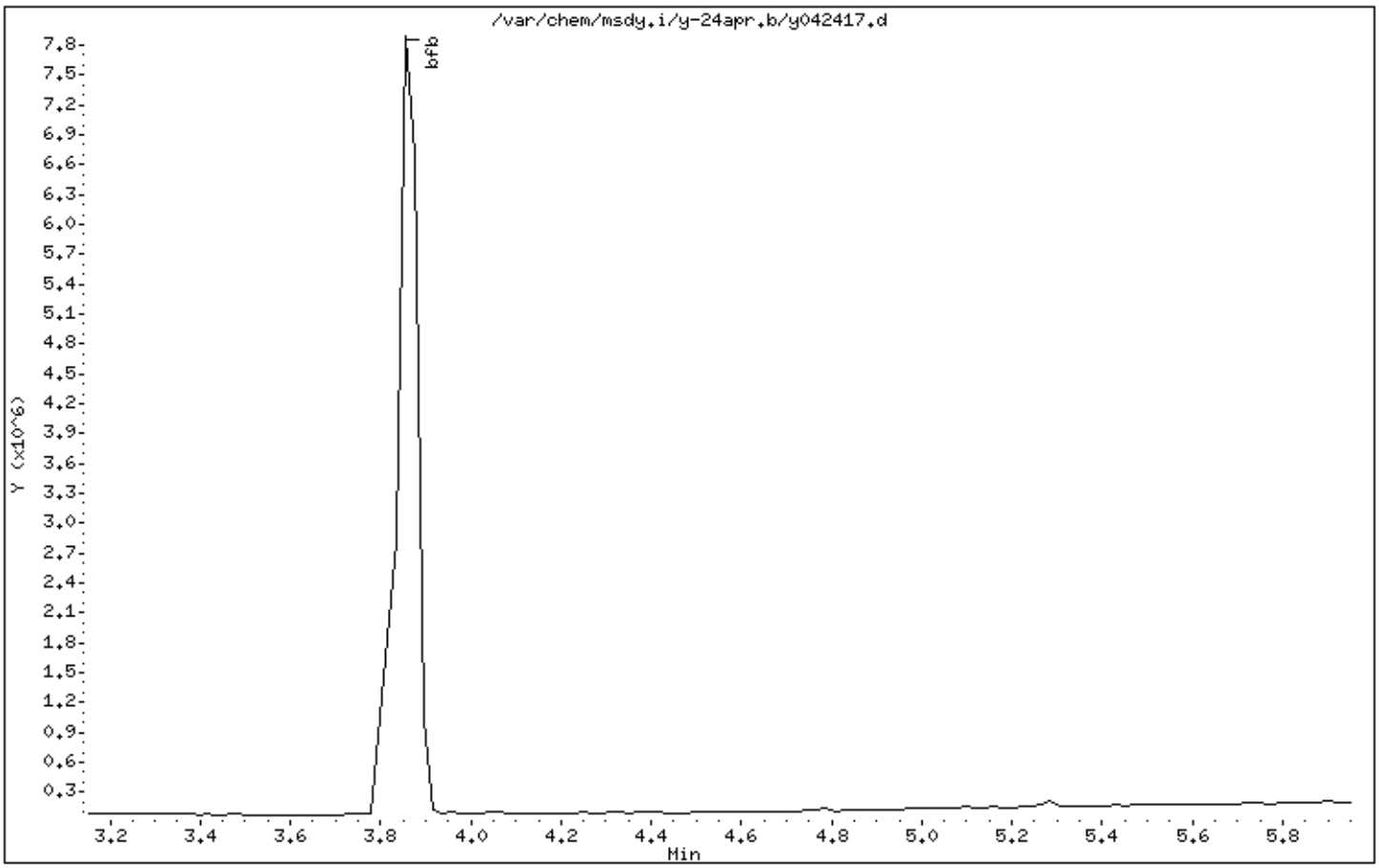
Date : 24-APR-2008 15:59

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: ej

Column phase: Column diameter: 2.00



Data File: /var/chem/msdy.i/y-24apr.b/y042417.d

Date : 24-APR-2008 15:59

Client ID: BFB

Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

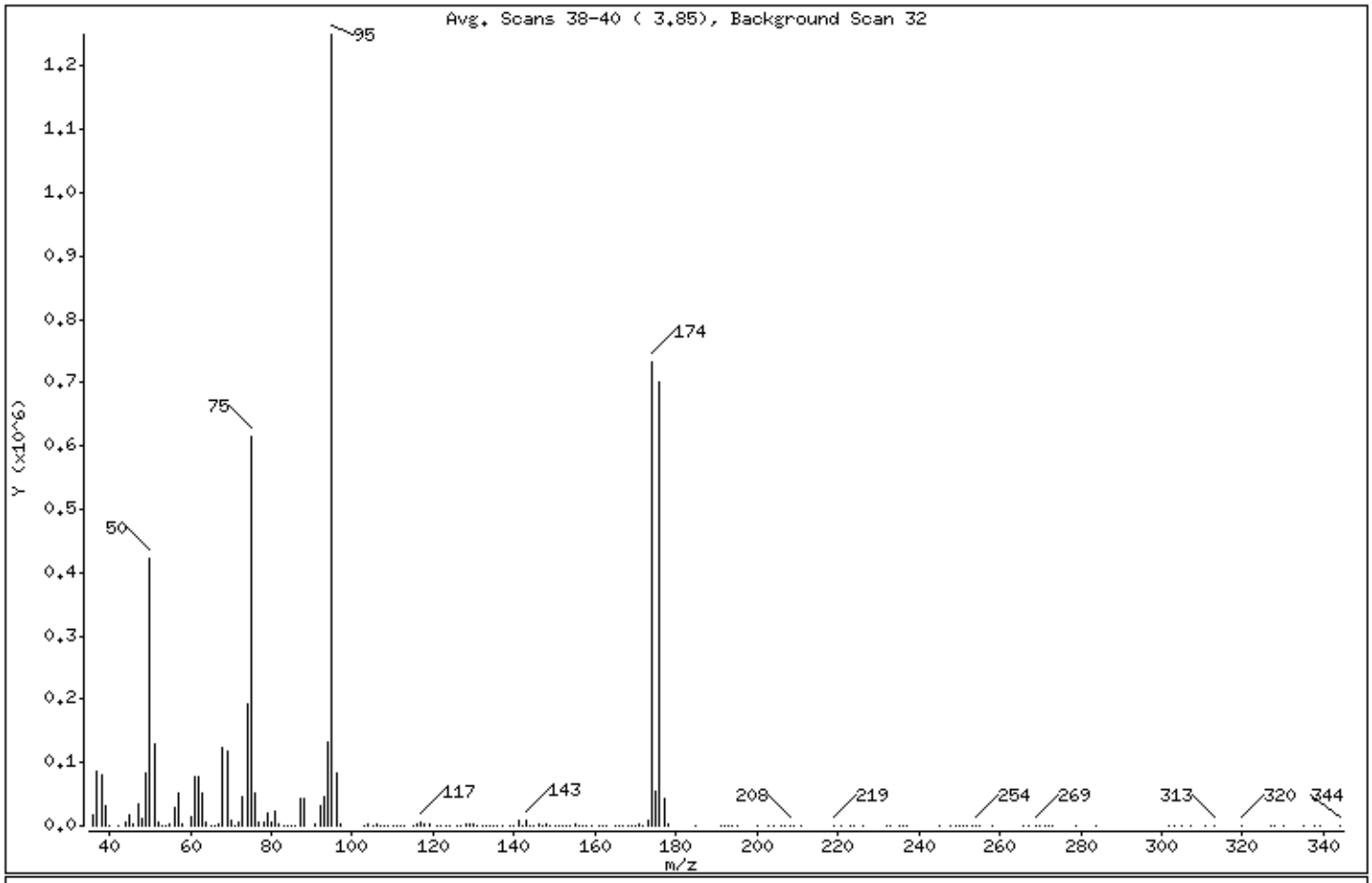
Volume Injected (uL): 1.0

Operator: ej

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	33.88
75	30.00 - 60.00% of mass 95	49.16
96	5.00 - 9.00% of mass 95	6.58
173	Less than 2.00% of mass 174	0.68 (1.16)
174	50.00 - 100.00% of mass 95	58.70
175	5.00 - 9.00% of mass 174	4.48 (7.63)
176	95.00 - 101.00% of mass 174	56.09 (95.56)
177	5.00 - 9.00% of mass 176	3.46 (6.17)

Date : 24-APR-2008 15:59

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: ej

Column phase: Column diameter: 2.00

Data File: y042417.d
Spectrum: Avg. Scans 38-40 (3.85), Background Scan 32
Location of Maximum: 95.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	17056	86.00	872	144.00	264	219.00	226
37.00	86544	87.00	44192	145.00	607	221.00	107
38.00	80592	88.00	42944	146.00	1467	223.00	57
39.00	31712	91.00	3291	147.00	718	224.00	61
40.00	625	92.00	30288	148.00	2292	226.00	53
42.00	137	93.00	45944	149.00	747	232.00	169
44.00	6199	94.00	130960	150.00	806	233.00	75
45.00	16680	95.00	1249792	151.00	347	235.00	111
46.00	1616	96.00	82232	152.00	408	236.00	60
47.00	35800	97.00	2256	153.00	564	237.00	107
48.00	10762	103.00	231	154.00	796	245.00	66
49.00	82280	104.00	3638	155.00	2283	248.00	69
50.00	423488	105.00	1267	156.00	182	249.00	179
51.00	129080	106.00	2696	157.00	1345	250.00	57
52.00	5357	107.00	1184	158.00	137	251.00	127
53.00	66	108.00	228	159.00	1121	252.00	68
54.00	98	109.00	469	161.00	1246	253.00	75
55.00	3224	110.00	480	162.00	57	254.00	358
56.00	28352	111.00	653	163.00	359	255.00	197
57.00	50280	112.00	658	165.00	126	258.00	69
58.00	2015	113.00	745	166.00	85	266.00	135
60.00	15473	115.00	941	167.00	94	267.00	11
61.00	77416	116.00	2514	168.00	326	269.00	926
62.00	76784	117.00	4583	169.00	206	270.00	189
63.00	52160	118.00	3184	170.00	878	271.00	234
64.00	4395	119.00	3916	171.00	1965	272.00	82
65.00	407	121.00	62	172.00	730	273.00	89
66.00	469	122.00	316	173.00	8475	279.00	67
67.00	2484	123.00	452	174.00	733696	284.00	56
68.00	123728	124.00	432	175.00	56008	302.00	51
69.00	117408	126.00	677	176.00	701120	303.00	81
70.00	7409	127.00	481	177.00	43272	305.00	86
71.00	523	128.00	2648	178.00	1823	307.00	66
72.00	7024	129.00	1631	185.00	56	311.00	60
73.00	46664	130.00	2888	191.00	541	313.00	165

Date : 24-APR-2008 15:59

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: ej

Column phase: Column diameter: 2.00

Data File: y042417.d
Spectrum: Avg. Scans 38-40 (3.85), Background Scan 32
Location of Maximum: 95.00
Number of points: 184

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	193536	131.00	1206	192.00	270	320.00	373
75.00	614528	132.00	344	193.00	456	327.00	157
76.00	53040	133.00	380	194.00	187	328.00	65
77.00	5688	134.00	99	195.00	112	330.00	120
78.00	4333	135.00	1398	200.00	51	335.00	52
79.00	21336	136.00	544	203.00	50	338.00	68
80.00	6344	137.00	977	204.00	119	339.00	172
81.00	22248	139.00	394	206.00	140	344.00	175
82.00	4271	140.00	783	207.00	310		
83.00	726	141.00	8112	208.00	780		
84.00	116	142.00	956	209.00	423		
85.00	35	143.00	8158	211.00	126		

Air Toxics Ltd.

Data file : /chem/msdy.i/y-25apr.b/y042501.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 25-APR-2008 11:24
Operator : se Inst ID: msdy.i
Smp Info : 2uL #1476-281;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdy.i/y-25apr.b/bfb30.m
Meth Date : 25-Apr-2008 11:13 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		
3.854	3.806	0.048	95	1697280			100.00- 100.00	100.00
3.854	3.806	0.048	50	544640			15.00- 40.00	32.09
3.854	3.806	0.048	75	811904			30.00- 60.00	47.84
3.854	3.806	0.048	96	104456			5.00- 9.00	6.15
3.854	3.806	0.048	173	9895			0.00- 2.00	0.94
3.854	3.806	0.048	174	1048576			50.00- 100.00	61.78
3.854	3.806	0.048	175	75280			5.00- 9.00	7.18
3.854	3.806	0.048	176	1019520			95.00- 101.00	97.23
3.854	3.806	0.048	177	63640			5.00- 9.00	6.24

Data File: /chem/msdy.i/y-25apr.b/y042501.d

Date : 25-APR-2008 11:24

Client ID: BFB

Instrument: msdy.i

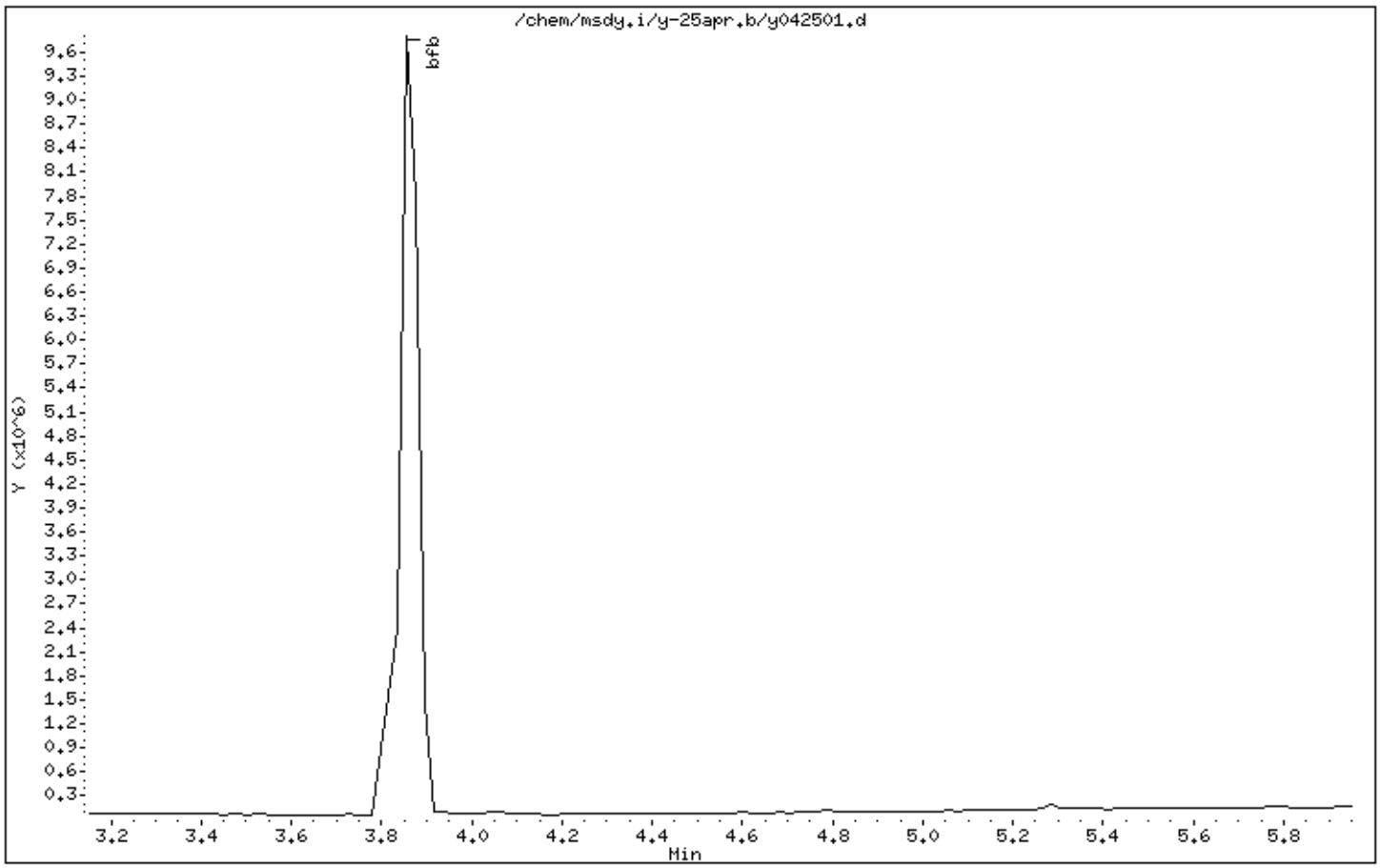
Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0

Operator: se

Column phase:

Column diameter: 2.00



Data File: /chem/msdy.i/y-25apr.b/y042501.d

Date : 25-APR-2008 11:24

Client ID: BFB

Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

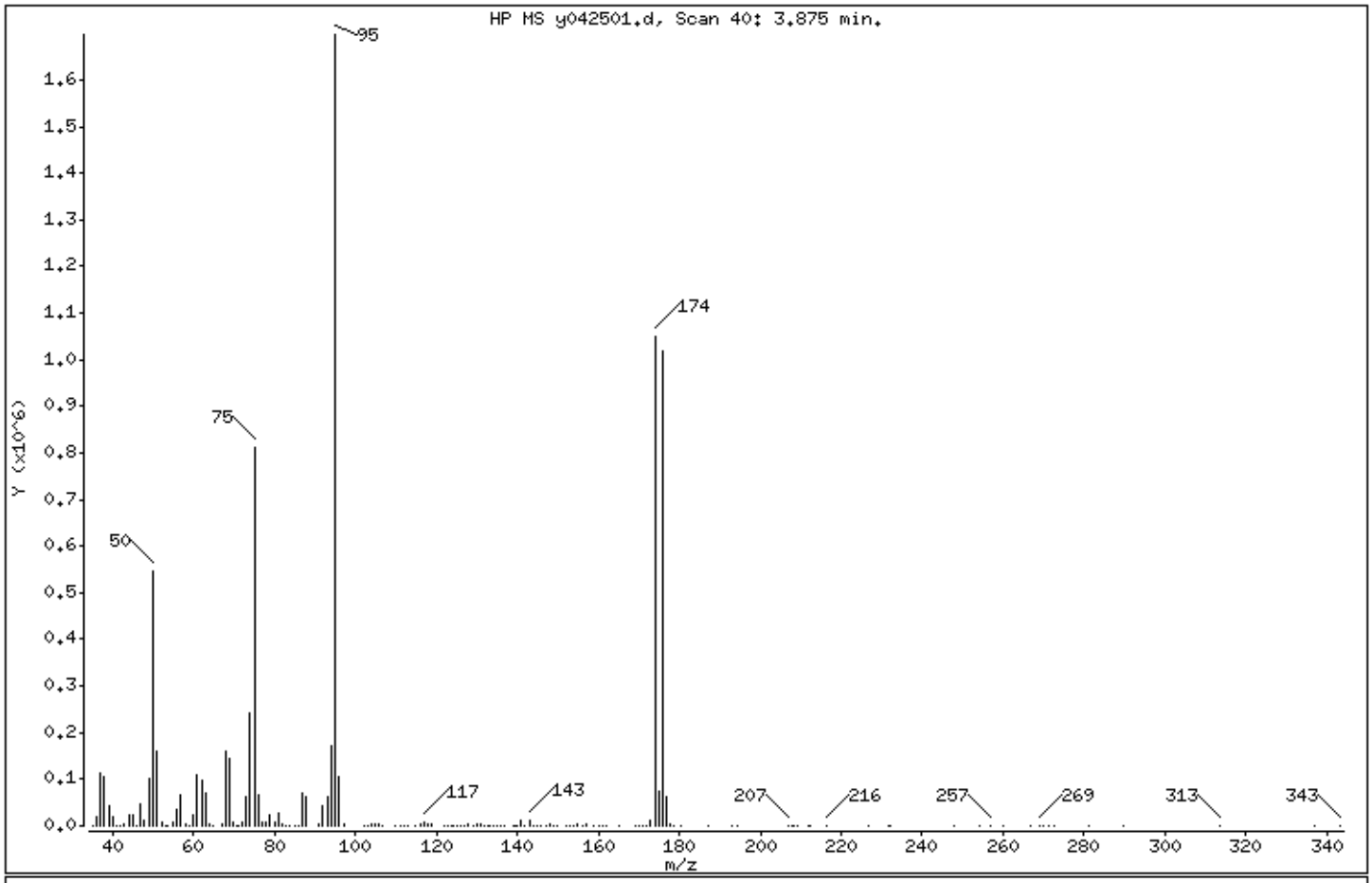
Volume Injected (uL): 1.0

Operator: se

Column phase:

Column diameter: 2.00

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	32.09
75	30.00 - 60.00% of mass 95	47.84
96	5.00 - 9.00% of mass 95	6.15
173	Less than 2.00% of mass 174	0.58 (0.94)
174	50.00 - 100.00% of mass 95	61.78
175	5.00 - 9.00% of mass 174	4.44 (7.18)
176	95.00 - 101.00% of mass 174	60.07 (97.23)
177	5.00 - 9.00% of mass 176	3.75 (6.24)

Date : 25-APR-2008 11:24

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y042501.d
Spectrum: HP MS y042501.d, Scan 40: 3.875 min.
Location of Maximum: 95.10
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.30	619	75.00	811904	125.10	925	171.20	1471
36.10	20712	76.00	67008	125.90	329	171.80	1729
37.10	113144	77.00	6942	126.90	629	173.00	9895
38.10	105592	78.00	7763	127.90	3970	174.00	1048576
39.10	42400	78.90	24440	129.00	1810	175.00	75280
40.00	20976	80.00	6456	130.00	4003	176.00	1019520
41.00	1927	80.90	26232	131.00	1968	177.00	63640
42.10	503	81.90	4616	131.80	391	177.90	2615
43.00	2721	83.00	679	132.80	458	178.80	239
44.00	23256	83.90	243	133.20	418	180.40	165
45.10	23736	85.20	280	134.00	267	187.10	190
46.00	1421	86.10	1394	134.80	662	193.20	438
47.00	45752	87.00	68656	135.90	528	194.30	161
48.00	12355	88.00	63216	136.90	1138	206.90	1347
49.00	102552	91.00	4831	139.00	332	207.70	440
50.00	544640	92.00	42720	139.60	615	208.20	275
51.00	161792	93.00	64272	140.10	994	209.00	575
52.10	7299	94.10	172672	140.90	9995	211.80	183
53.00	448	95.10	1697280	141.90	1372	212.50	252
53.80	460	96.10	104456	142.90	10370	216.50	295
55.00	6693	97.10	2998	143.90	839	226.70	188
56.00	35408	102.10	425	145.00	1275	231.50	233
57.00	65864	102.90	756	146.00	1426	232.00	275
58.10	3572	103.90	5176	147.00	698	247.70	367
58.90	708	104.90	2643	147.90	2692	254.00	329
60.00	22824	106.00	3529	149.10	964	256.90	467
61.00	108752	106.90	1069	150.00	1486	259.90	185
62.00	98512	109.90	546	151.90	366	266.70	341
63.00	69456	111.00	1179	152.90	932	269.20	731
64.00	5028	112.00	410	153.80	495	270.10	172
65.10	920	113.00	1055	155.00	2754	271.10	325
66.90	3852	114.90	1312	156.10	434	272.60	248
68.00	161344	116.00	3118	157.00	2175	281.20	324
69.00	143360	117.00	6200	158.80	916	289.90	202
70.00	9352	118.00	4058	160.00	592	313.50	215

Date : 25-APR-2008 11:24

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y042501.d
Spectrum: HP MS y042501.d, Scan 40: 3.875 min.
Location of Maximum: 95.10
Number of points: 157

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.90	171	119.00	5416	161.00	1728	336.90	314
71.30	267	122.10	351	162.20	346	343.10	501
72.00	7724	123.00	290	165.10	263		
73.00	62720	123.80	408	169.40	442		
74.00	241920	124.20	406	170.20	949		

Air Toxics Ltd.

Data file : /chem/msdy.i/y-08may.b/y050802.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 08-MAY-2008 09:17
Operator : se Inst ID: msdy.i
Smp Info : 2uL #1476-280;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdy.i/y-08may.b/bfb30.m
Meth Date : 08-May-2008 08:54 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

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	
3.854	3.806	0.048	95	825408			100.00- 100.00	100.00
3.854	3.806	0.048	50	316352			15.00- 40.00	38.33
3.854	3.806	0.048	75	382080			30.00- 60.00	46.29
3.854	3.806	0.048	96	54832			5.00- 9.00	6.64
3.854	3.806	0.048	173	6207			0.00- 2.00	1.05
3.854	3.806	0.048	174	591424			50.00- 100.00	71.65
3.854	3.806	0.048	175	44824			5.00- 9.00	7.58
3.854	3.806	0.048	176	568512			95.00- 101.00	96.13
3.854	3.806	0.048	177	38384			5.00- 9.00	6.75

Data File: /chem/msdy.i/y-08may.b/y050802.d

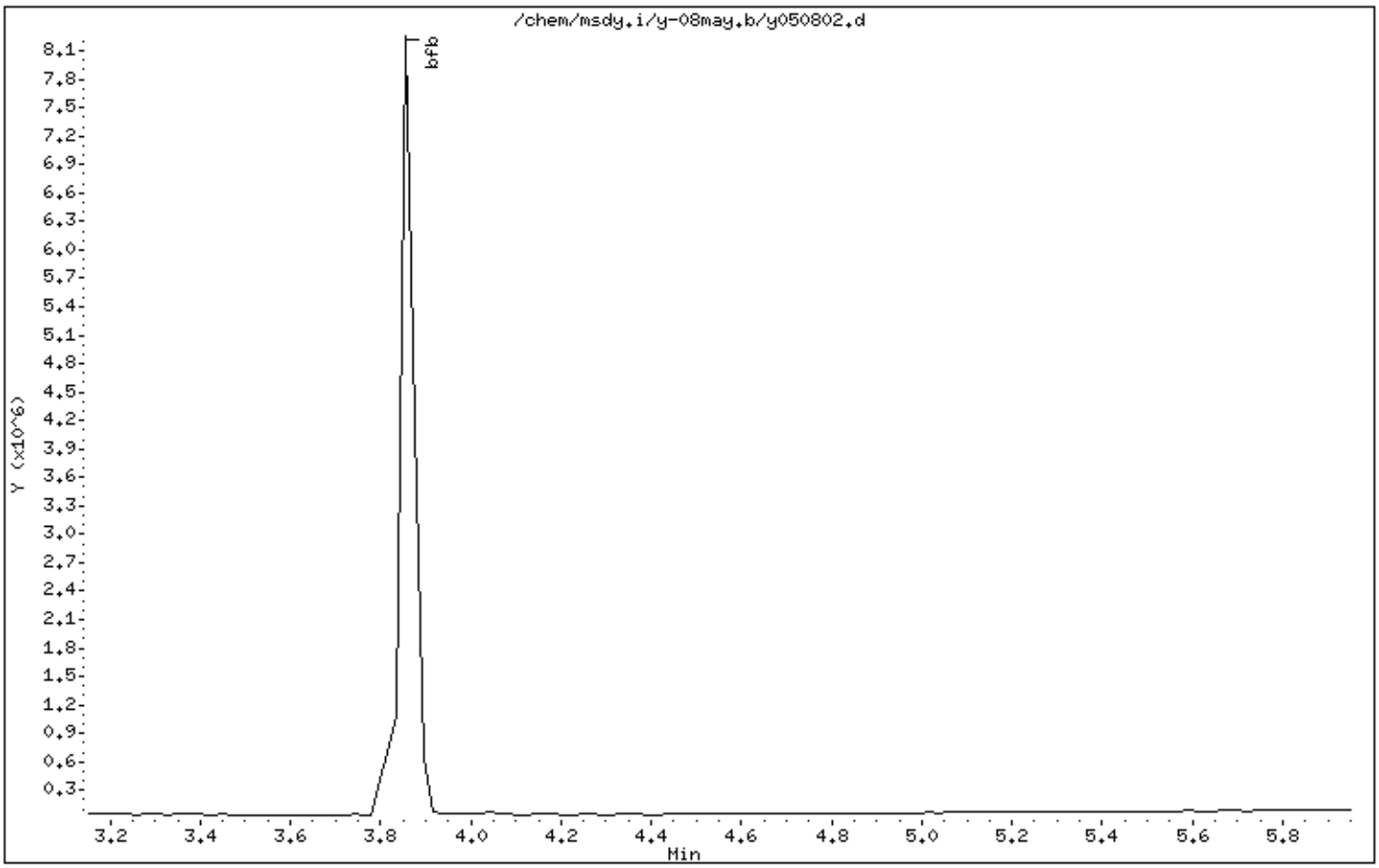
Date : 08-MAY-2008 09:17

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00



Data File: /chem/msdy.i/y-08may.b/y050802.d

Date : 08-MAY-2008 09:17

Client ID: BFB

Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

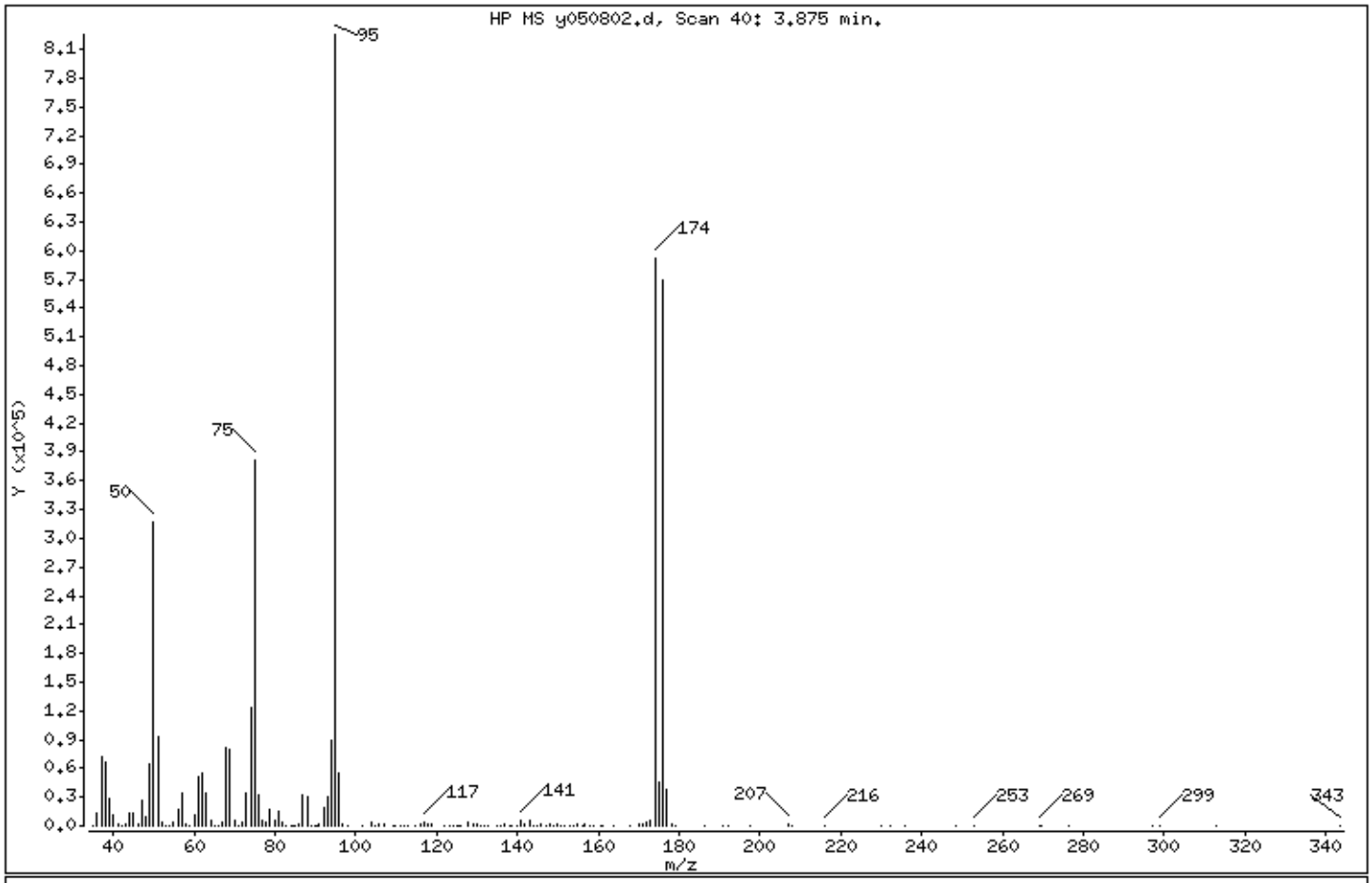
Volume Injected (uL): 1.0

Operator: se

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	38.33
75	30.00 - 60.00% of mass 95	46.29
96	5.00 - 9.00% of mass 95	6.64
173	Less than 2.00% of mass 174	0.75 (1.05)
174	50.00 - 100.00% of mass 95	71.65
175	5.00 - 9.00% of mass 174	5.43 (7.58)
176	95.00 - 101.00% of mass 174	68.88 (96.13)
177	5.00 - 9.00% of mass 176	4.65 (6.75)

Date : 08-MAY-2008 09:17

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y050802.d
Spectrum: HP MS y050802.d, Scan 40: 3.875 min.
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.10	596	73.00	34888	114.80	682	156.00	430
36.00	13125	74.00	124088	116.00	2158	156.80	1238
37.10	71848	75.00	382080	116.90	3773	157.90	599
38.10	66328	76.00	31432	118.00	1892	159.00	655
39.10	27672	77.10	6640	118.90	2643	160.80	728
40.00	10893	78.00	4192	122.10	212	161.10	812
41.10	1452	78.90	16496	123.20	271	164.00	232
42.20	584	80.00	5680	124.00	630	168.00	370
43.10	1094	80.90	15113	125.00	633	170.00	991
44.00	13371	81.90	2933	125.70	242	171.00	959
45.00	12982	82.80	761	126.10	240	172.00	3009
46.20	1186	84.10	200	127.90	2904	172.90	6207
47.10	25688	84.50	229	129.10	1008	174.00	591424
48.00	8705	85.10	182	130.00	2031	175.00	44824
49.00	64536	86.10	1482	130.90	765	176.00	568512
50.00	316352	87.00	32456	131.80	697	177.00	38384
51.00	92160	88.00	29800	132.90	434	178.00	1114
52.10	4221	89.20	260	135.00	926	179.00	308
52.90	913	89.80	176	135.90	259	186.10	263
54.10	177	90.20	313	137.00	1636	190.90	346
55.00	4221	91.00	2480	138.00	227	192.20	199
56.00	17296	92.00	19920	138.80	550	197.40	211
57.00	33560	93.00	31184	140.10	286	207.20	1150
58.10	1337	94.00	90104	141.00	6336	208.00	528
58.80	797	95.00	825408	141.80	990	216.20	297
60.00	10755	96.00	54832	143.00	5661	229.80	192
61.00	51256	96.90	1609	143.90	340	232.10	183
62.00	55080	98.00	373	144.90	561	236.00	197
63.00	33624	101.70	604	146.00	1412	248.40	160
64.10	5462	103.90	4079	147.00	756	253.00	319
65.00	936	104.90	926	147.90	1387	269.00	802
66.20	721	105.90	2593	149.00	547	269.70	434
67.00	2874	106.90	1365	150.00	972	276.50	248
68.00	80800	109.20	305	150.90	332	297.10	168
69.00	79584	109.90	450	151.80	397	299.10	254

Date : 08-MAY-2008 09:17

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y050802.d
Spectrum: HP MS y050802.d, Scan 40: 3.875 min.
Location of Maximum: 95.00
Number of points: 151

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	6470	110.90	735	152.80	829	312.90	154
71.00	335	112.00	554	153.70	317	343.40	176
72.00	3123	112.90	504	154.90	1596		

Air Toxics Ltd.

Data file : /chem/msdy.i/y-16may.b/y051601.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 16-MAY-2008 08:21
Operator : se Inst ID: msdy.i
Smp Info : 2uL #1476-281;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdy.i/y-16may.b/bfb30.m
Meth Date : 16-May-2008 08:10 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

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	
3.854	3.806	0.048	95	1318912			100.00- 100.00	100.00
3.854	3.806	0.048	50	523008			15.00- 40.00	39.65
3.854	3.806	0.048	75	633728			30.00- 60.00	48.05
3.854	3.806	0.048	96	95368			5.00- 9.00	7.23
3.854	3.806	0.048	173	5332			0.00- 2.00	0.63
3.854	3.806	0.048	174	849216			50.00- 100.00	64.39
3.854	3.806	0.048	175	59224			5.00- 9.00	6.97
3.854	3.806	0.048	176	808768			95.00- 101.00	95.24
3.854	3.806	0.048	177	53624			5.00- 9.00	6.63

Data File: /chem/msdy.i/y-16may.b/y051601.d

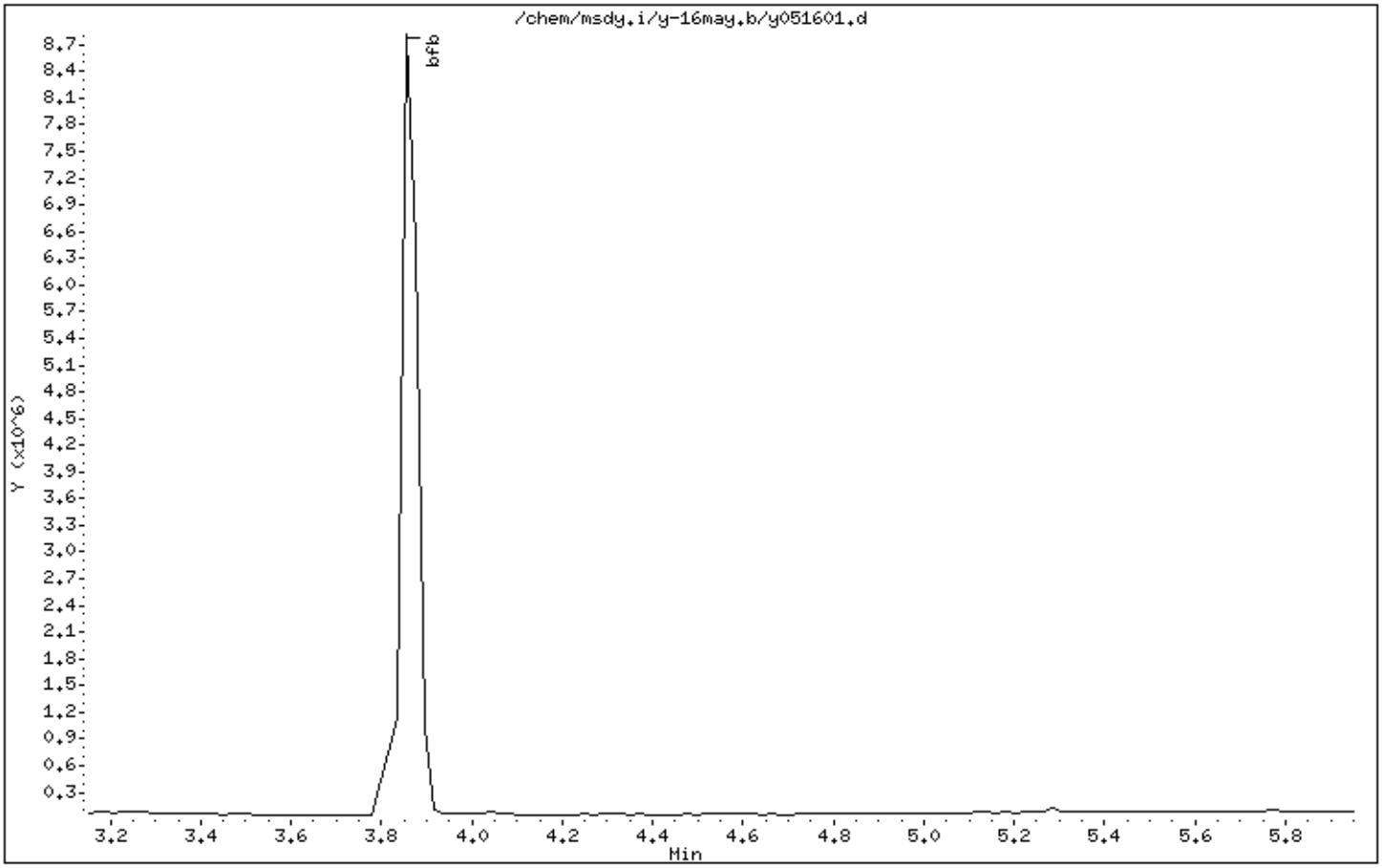
Date : 16-MAY-2008 08:21

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00



Data File: /chem/msdy.i/y-16may.b/y051601.d

Date : 16-MAY-2008 08:21

Client ID: BFB

Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

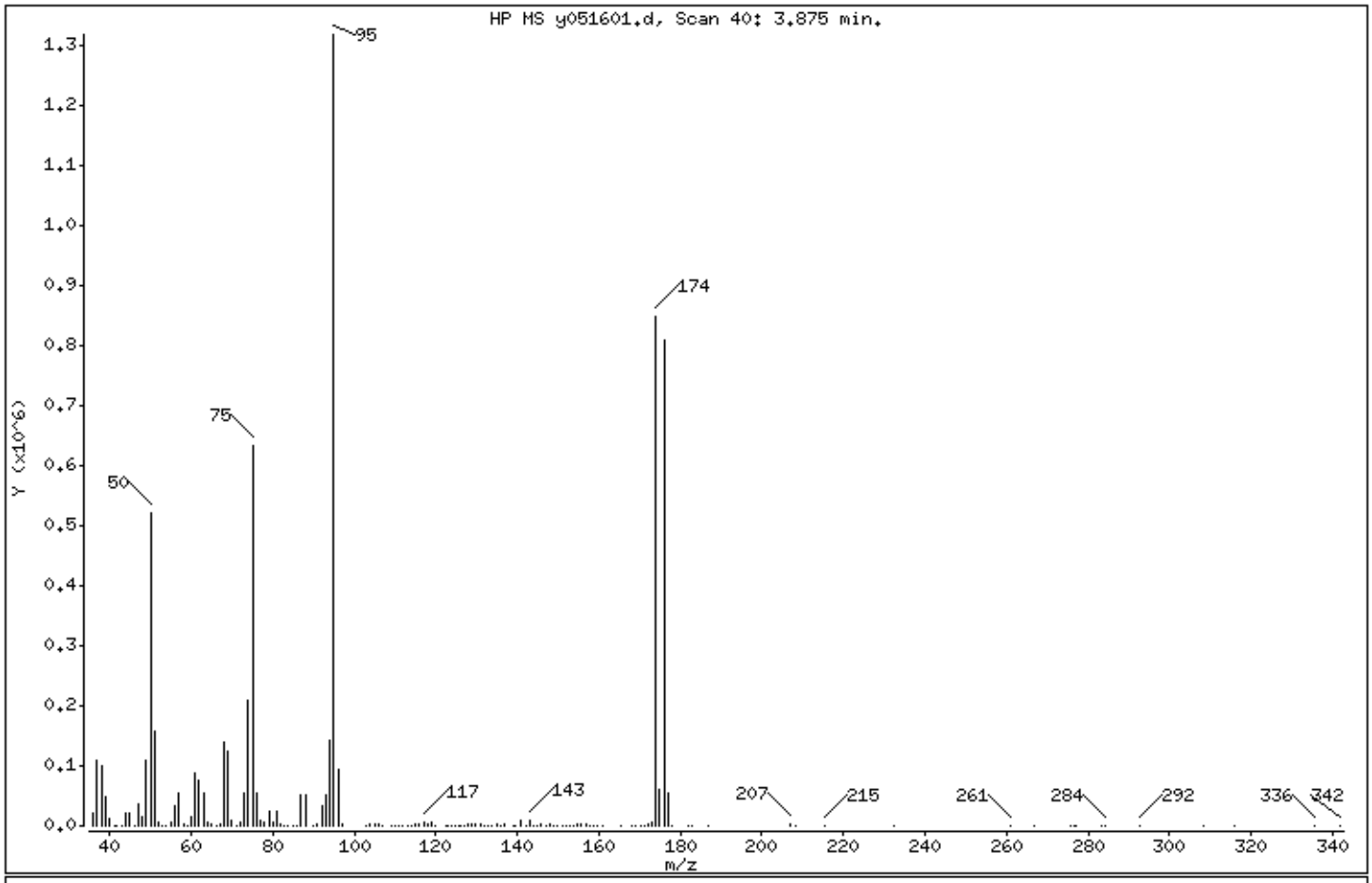
Volume Injected (uL): 1.0

Operator: se

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	39.65
75	30.00 - 60.00% of mass 95	48.05
96	5.00 - 9.00% of mass 95	7.23
173	Less than 2.00% of mass 174	0.40 (0.63)
174	50.00 - 100.00% of mass 95	64.39
175	5.00 - 9.00% of mass 174	4.49 (6.97)
176	95.00 - 101.00% of mass 174	61.32 (95.24)
177	5.00 - 9.00% of mass 176	4.07 (6.63)

Date : 16-MAY-2008 08:21

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y051601.d
Spectrum: HP MS y051601.d, Scan 40: 3.875 min.
Location of Maximum: 95.00
Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	20088	74.00	209024	119.00	5106	157.90	710
37.00	110536	75.00	633728	119.70	295	158.80	989
38.10	99576	76.00	55784	122.40	405	159.80	243
39.10	47248	76.90	8392	122.90	541	161.00	1304
40.00	12565	78.00	4986	123.90	388	165.20	234
41.20	843	79.00	24576	124.90	626	168.10	253
41.90	1319	79.90	7513	125.70	263	169.00	643
42.90	1046	80.90	24648	126.20	164	170.20	778
44.00	20952	81.90	4094	127.10	539	171.00	834
45.00	22432	83.00	778	127.90	3570	172.00	3318
46.20	1356	83.70	395	129.00	1747	173.00	5332
47.00	36664	85.00	255	129.90	3080	174.00	849216
48.00	14038	86.00	1089	130.90	1612	175.00	59224
49.00	108856	87.00	50216	132.10	576	176.00	808768
50.00	523008	88.00	50536	132.90	160	177.00	53624
51.00	156544	90.00	288	133.80	619	178.00	744
52.00	5718	91.00	3649	135.00	2084	182.00	328
53.00	920	92.00	32376	135.80	576	182.60	193
53.90	396	93.00	50352	136.90	1628	186.70	507
55.00	6556	94.00	142080	139.00	638	207.10	1683
56.00	32704	95.00	1318912	139.70	836	208.10	319
57.00	53944	96.00	95368	140.90	9472	215.30	248
58.00	2138	97.00	3096	142.00	1350	232.30	160
58.90	291	103.10	322	143.00	10404	260.90	324
60.00	16187	103.80	4169	143.80	433	267.00	157
61.00	89040	105.00	1572	144.80	1170	275.60	331
62.00	77072	106.00	3914	145.90	2127	276.50	301
63.00	53976	106.90	1260	146.90	761	277.00	195
64.10	5106	109.00	347	147.90	2389	283.30	337
65.10	2205	110.00	750	149.10	504	284.20	839
66.20	369	111.00	708	149.80	927	292.60	249
67.00	3516	111.90	1043	151.00	393	308.10	241
68.00	138560	113.00	875	152.10	568	315.90	206
69.00	124640	113.90	248	153.00	1077	335.70	189
70.00	9978	114.90	1567	154.00	974	341.70	308

Date : 16-MAY-2008 08:21

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-281;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: se

Column phase: Column diameter: 2.00

Data File: y051601.d
Spectrum: HP MS y051601.d, Scan 40: 3.875 min.
Location of Maximum: 95.00
Number of points: 149

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	1063	116.00	2775	154.90	3021		
72.00	6696	117.00	6430	155.80	1586		
73.00	53104	117.90	4231	157.00	2418		

Air Toxics Ltd.

Data file : /var/chem/msdy.i/y-18jun.b/y061801.d
Lab Smp Id: Client Smp ID: BFB
Inj Date : 18-JUN-2008 08:24
Operator : mlk Inst ID: msdy.i
Smp Info : 2uL #1476-280;BFB Tune Check;BFB Tune Check
Misc Info : 50ng
Comment :
Method : /var/chem/msdy.i/y-18jun.b/bfb30.m
Meth Date : 18-Jun-2008 08:12 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	
3.854	3.806	0.048	95	1007573			100.00- 100.00	100.00
3.854	3.806	0.048	50	399032			15.00- 40.00	39.60
3.854	3.806	0.048	75	504730			30.00- 60.00	50.09
3.854	3.806	0.048	96	65710			5.00- 9.00	6.52
3.854	3.806	0.048	173	6043			0.00- 2.00	0.97
3.854	3.806	0.048	174	620448			50.00- 100.00	61.58
3.854	3.806	0.048	175	44505			5.00- 9.00	7.17
3.854	3.806	0.048	176	598146			95.00- 101.00	96.41
3.854	3.806	0.048	177	38877			5.00- 9.00	6.50

Data File: /var/chem/msdy.i/y-18jun.b/y061801.d

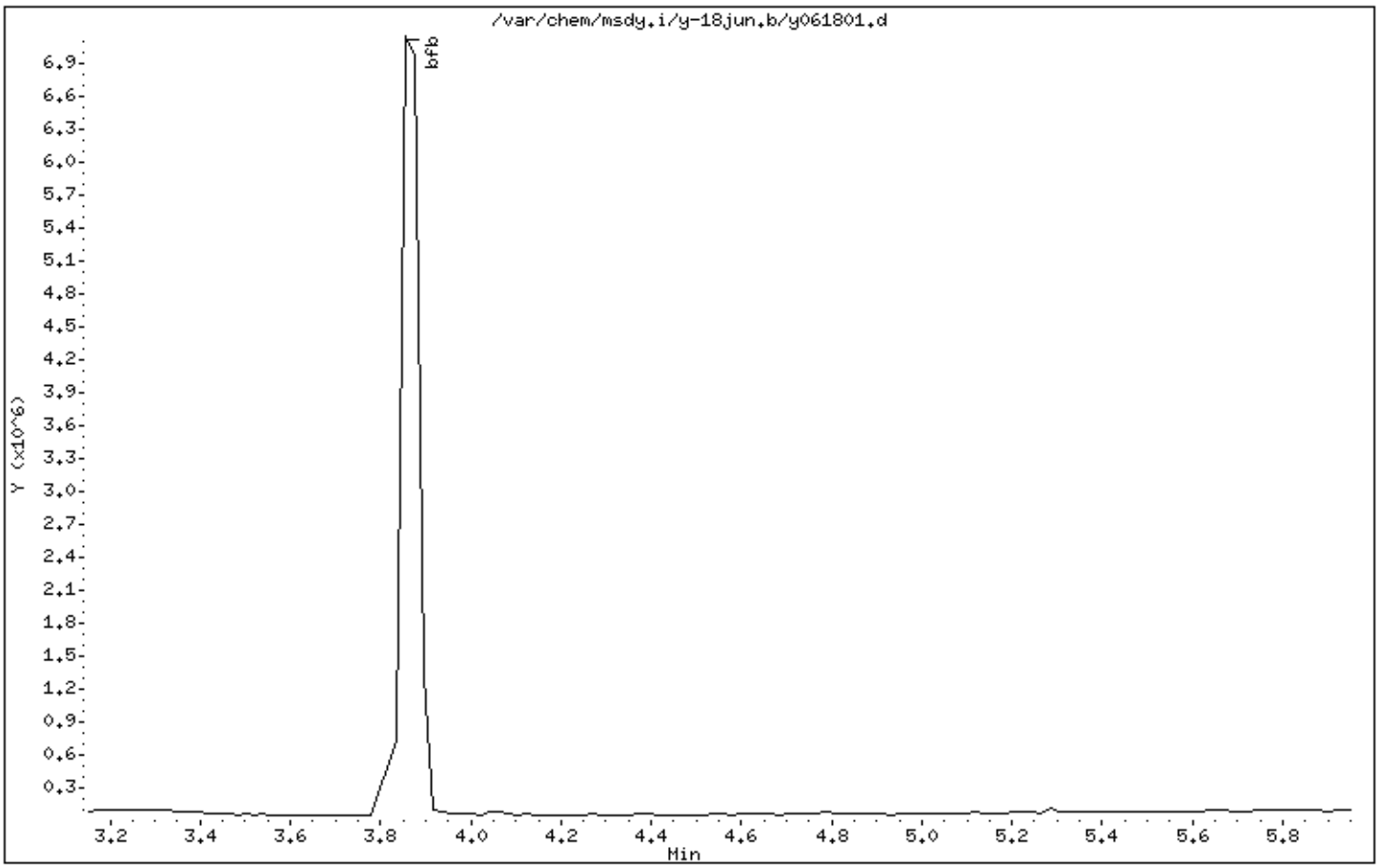
Date : 18-JUN-2008 08:24

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: mlk

Column phase: Column diameter: 2.00



Data File: /var/chem/msdy.i/y-18jun.b/y061801.d

Date : 18-JUN-2008 08:24

Client ID: BFB

Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

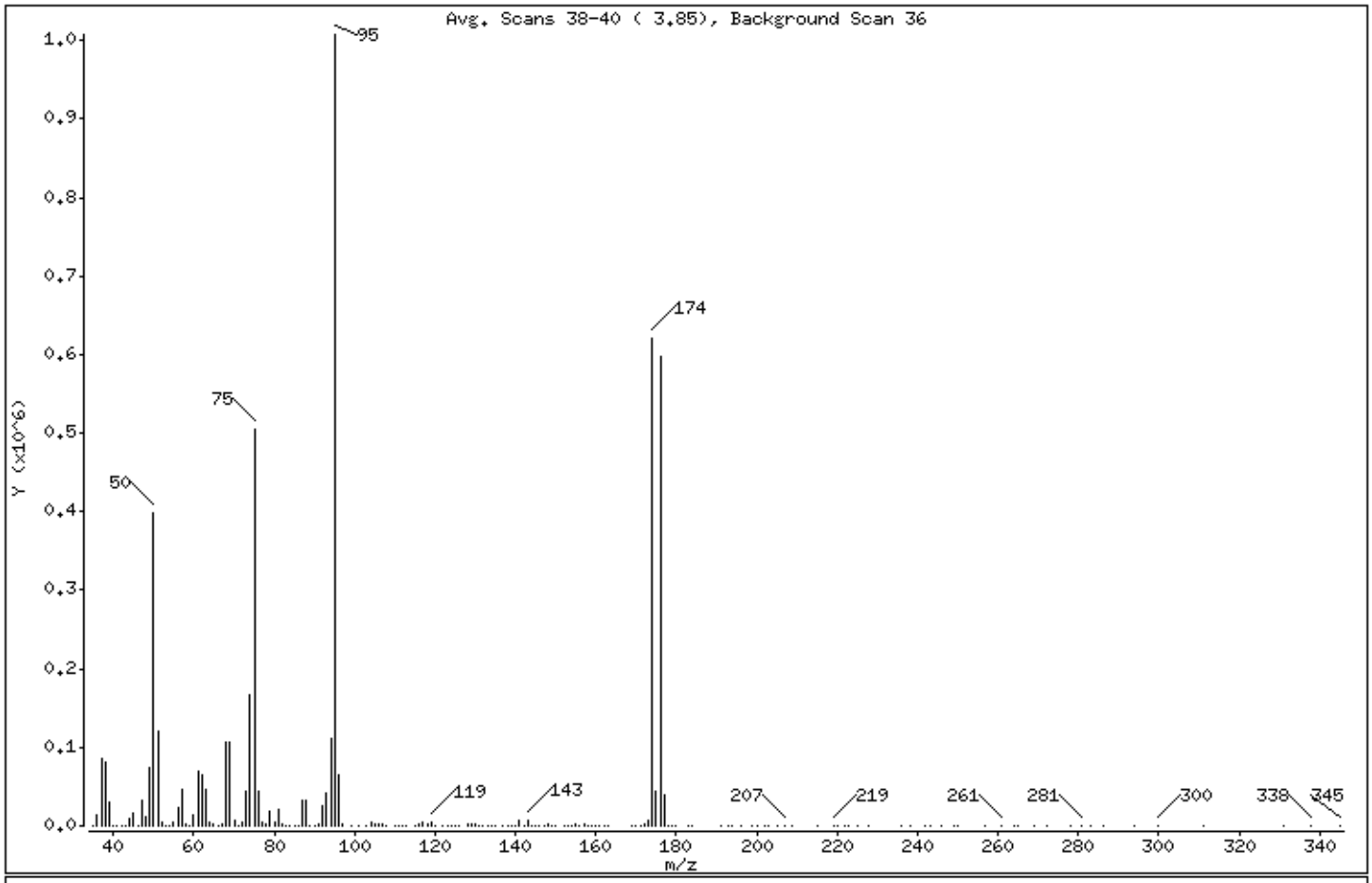
Volume Injected (uL): 1.0

Operator: mlk

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	39.60
75	30.00 - 60.00% of mass 95	50.09
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.60 (0.97)
174	50.00 - 100.00% of mass 95	61.58
175	5.00 - 9.00% of mass 174	4.42 (7.17)
176	95.00 - 101.00% of mass 174	59.37 (96.41)
177	5.00 - 9.00% of mass 176	3.86 (6.50)

Date : 18-JUN-2008 08:24

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: mlk

Column phase: Column diameter: 2.00

Data File: y061801.d
Spectrum: Avg. Scans 38-40 (3.85), Background Scan 36
Location of Maximum: 95.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	210	79.00	19672	130.00	3162	183.00	251
36.00	14466	80.00	5706	131.00	977	184.00	64
37.00	84912	81.00	21336	132.00	50	191.00	185
38.00	80256	82.00	3371	133.00	848	193.00	303
39.00	31016	83.00	414	134.00	152	194.00	314
40.00	204	84.00	285	135.00	1132	196.00	216
41.00	131	85.00	210	137.00	1062	199.00	69
42.00	210	86.00	1001	138.00	261	200.00	331
43.00	545	87.00	32992	139.00	630	202.00	162
44.00	8535	88.00	32184	140.00	515	203.00	72
45.00	16440	89.00	903	141.00	7270	205.00	190
46.00	900	90.00	386	142.00	816	207.00	793
47.00	32072	91.00	3134	143.00	7317	209.00	276
48.00	10678	92.00	25896	144.00	387	215.00	111
49.00	73544	93.00	41392	145.00	1008	219.00	505
50.00	398976	94.00	111128	146.00	771	220.00	171
51.00	120256	95.00	1007552	147.00	440	222.00	205
52.00	5343	96.00	65704	148.00	1282	223.00	94
53.00	943	97.00	1789	149.00	634	225.00	175
54.00	95	99.00	64	150.00	888	228.00	110
55.00	3725	101.00	78	152.00	572	236.00	61
56.00	23376	103.00	356	153.00	919	238.00	64
57.00	46728	104.00	4062	154.00	451	242.00	52
58.00	1320	105.00	1540	155.00	1931	243.00	347
59.00	151	106.00	2976	156.00	580	246.00	135
60.00	13228	107.00	1423	157.00	1309	249.00	113
61.00	68976	108.00	76	158.00	875	250.00	50
62.00	65904	110.00	623	159.00	1022	257.00	91
63.00	46632	111.00	690	160.00	92	261.00	447
64.00	4319	112.00	677	161.00	778	264.00	55
65.00	2280	113.00	343	162.00	385	265.00	51
66.00	400	115.00	1095	163.00	94	269.00	62
67.00	2097	116.00	3154	169.00	652	272.00	130
68.00	105984	117.00	4136	170.00	417	278.00	70
69.00	105800	118.00	2648	171.00	899	281.00	165

Date : 18-JUN-2008 08:24

Client ID: BFB Instrument: msdy.i

Sample Info: 2uL #1476-280;BFB Tune Check;BFB Tune Check

Volume Injected (uL): 1.0 Operator: mlk

Column phase: Column diameter: 2.00

Data File: y061801.d
Spectrum: Avg. Scans 38-40 (3.85), Background Scan 36
Location of Maximum: 95.00
Number of points: 175

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	7323	119.00	4622	172.00	3051	283.00	55
71.00	408	120.00	65	173.00	6043	286.00	93
72.00	5278	122.00	405	174.00	620416	294.00	111
73.00	43160	123.00	324	175.00	44504	300.00	159
74.00	167488	124.00	431	176.00	598144	311.00	106
75.00	504704	125.00	116	177.00	38872	331.00	97
76.00	43488	126.00	603	178.00	997	338.00	120
77.00	4954	128.00	3056	179.00	123	345.00	103
78.00	2114	129.00	1203	180.00	304		

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. Theresa Landgraff
FAX #:
FROM: Sample Receiving
Workorder #: 0806229
# of pages (Including Cover): 1

6/30/2008

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

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

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

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

0267

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

Project Info:
P.O. #
Project # 051140 - 3 - 1703
Project Name BayShore OU1 Southern cell Air Monitoring

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

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	UW AMS 3 CAN=3574 22107	05/11/08 0545 - 1345	TO-15 + Naphthalene	-30	-8.5	
02A	DW AMS 3 CAN=22107	05/11/08 0545 - 1345	TO-15 + Naphthalene	-30	-10	

Relinquished By: (Signature) Date/Time: Thomas R Temple 05/11/08 1400
Received By: (Signature) Date/Time: MONICA GROSSEN ATL 6/12/08 1000
Relinquished By: (Signature) Date/Time:
Received By: (Signature) Date/Time:

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

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	8860-4776-8558	MG	NA	GOOD	Yes No (None)	0806229

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0806229

Client

Ms. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

Sales Rep: TB

Phone

631-760-9300 x 12

Fax

Date Promised: 06/26/08
Date Completed: 6/25/08
Date Received: 6/12/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 624.00
Logged By: MG

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	UW AMS 3	Modified TO-15	6/11/2008	9.0 "Hg	$225.00
01AA	UW AMS 3 Lab Duplicate	Modified TO-15	6/11/2008	9.0 "Hg	$0.00
02A	DW AMS 5	Modified TO-15	6/11/2008	8.5 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each., Shipment 58430	$100.00
	Blue Body Flow Controller (2) @ $35.00 each., Shipment 58430	$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. Theresa Landgraff
GEI Consultants, Inc.
110 Walt Whitman Road
Suite 204
Huntington Station, NY 11746

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	
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	
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	

Compound Listing

Modified TO-15 + Naph

CAS Number	Compound	Detection Limit ppbv	Type
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	
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	

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0806229

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 ☐	☑	☐	Corrective Action issued - #
☑	☑ ☐	☑	☐	Unusual circumstances have been documented in the notes section below

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

☐	☑ ☐	☑	☐	Lab Blank, CCV, LCS and DUP met QC criteria
☐	☑ ☐	☐	☐	Hold time is met for all samples
	☑ ☐	☐	☐	Appropriate data qualifier flags are applied
	NA ☐	☑	☐	Manual integrations for samples and QC are properly documented
☐	☑ ☐		☐	Samples analyzed within the project or method specific clock 24hr
	☑ ☐			Retention times have been verified
☑	☑ ☐		☐	Appropriate ICAL(s) included
	☑ ☐	☐	☐	At least one result per sample is verified against the target quant sheets/raw data

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

Notes: *(to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)*

A/R: 1 out in CCV 1,2,-Dichlorobenzene↑, 1 out in LCS, (α-chloro ↓)
Duplicated OIA, ~~FAILED~~ subset

M/Q:

A (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
MK 6/19/08	R: LA 6/24/08	BJAKAB 6-25-08	
EJAKAB 6-19-08	T:		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply. Rev. 08/29/05
Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable