
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 #: 0803603

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Comments:

Completed by:

Kara McKiernan	Kara McKiernan / Document Control	4/10/08
(Signature)	(Print Name & Title)	(Date)

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0803603

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:	03/27/2008	**CONTACT:**	Bryanna Langley
DATE COMPLETED:	04/09/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	U.W.-AMS 5	Modified TO-15	7.0 "Hg	5 psi
02A	DW AMS 3	Modified TO-15	7.0 "Hg	5 psi
03A	Lab Blank	Modified TO-15	NA	NA
04A	CCV	Modified TO-15	NA	NA
05A	LCS	Modified TO-15	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 04/09/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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

LABORATORY NARRATIVE
Modified TO-15
GEI Consultants, Inc.
Workorder# 0803603

Two 6 Liter Summa Canister samples were received on March 27, 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

The number of samples received did not match the information on the Chain of Custody (COC). Sample DW AMS 3 was added to the analytical request.

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.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

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

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

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample Holding Time (Days)	Sample Extract Date Analyzed	Sample Extract Holding Time (Days)	Sample Condition
U.W.-AMS 5	0803603-01A	3/26/2008	3/27/2008	NA	10	4/ 5/2008	NA	Good
DW AMS 3	0803603-02A	3/26/2008	3/27/2008	NA	10	4/ 5/2008	NA	Good
Lab Blank	0803603-03A	NA	NA	NA	NA	4/ 4/2008	NA	Good
CCV	0803603-04A	NA	NA	NA	NA	4/ 4/2008	NA	Good
LCS	0803603-05A	NA	NA	NA	NA	4/ 4/2008	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: U.W.-AMS 5

Lab ID#: 0803603-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	3.5	6.5	8.3	15

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: U.W.-AMS 5

Lab ID#: 0803603-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040421**	**Date of Collection:**	**3/26/08**
Dil. Factor:	**1.75**	**Date of Analysis:**	**4/5/08 12:36 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Vinyl Chloride	0.88	Not Detected U J	2.2	Not Detected U J
Bromomethane	0.88	Not Detected	3.4	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
Toluene	0.88	Not Detected	3.3	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	0.88	Not Detected	3.8	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,3-Butadiene	0.88	Not Detected U J	1.9	Not Detected U J
Hexane	0.88	Not Detected	3.1	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: U.W.-AMS 5

Lab ID#: 0803603-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040421**	**Date of Collection: 3/26/08**	
Dil. Factor:	**1.75**	**Date of Analysis: 4/5/08 12:36 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.88	Not Detected	3.6	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
Chloromethane	3.5	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected
Acetone	3.5	6.5	8.3	15
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	3.5	Not Detected	14	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	3.5	Not Detected	6.6	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Naphthalene	3.5	Not Detected	18	Not Detected

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	92	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04apr.b/8040421.d
Lab Smp Id: 0803603-01A
Inj Date : 05-APR-2008 00:36
Operator : kr Inst ID: msd8.i
Smp Info : 200mL #34453
Misc Info : 7.0"Hg-->5psi
Comment :
Method : /chem/msd8.i/8-04apr.b/t14q307c.m
Meth Date : 04-Apr-2008 14:12 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.d
Als bottle: 1
Dil Factor: 1.75000
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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.214 (1.000)	130	202414	25.0000		80.00- 120.00	100.00
7.215	7.214 (1.000)	128	157797			46.91- 106.91	77.96
7.215	7.214 (1.000)	49	434180			166.10- 226.10	214.50
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	908757	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	140804			0.00- 45.17	15.49
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	589642	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	364918			0.00- 30.00	61.89
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	333519	23.3800	23.380	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	168950			25.59- 85.59	50.66
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	839573	24.4334	24.433	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	92396			0.00- 40.92	11.01

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	548813			42.51- 102.51	65.37
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	341754	23.0779	23.078	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	427693			89.44- 149.44	125.15
16.090	16.090 (1.115)	176	334469			66.17- 126.17	97.87
30 Acetone					CAS #: 67-64-1		
3.980	3.979 (0.552)	58	27450	3.70899	6.491	80.00- 120.00	100.00
3.980	3.979 (0.552)	43	113737			0.00- 30.00	414.33

Report Date: 09-Apr-2008 13:49

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040421.d
Lab Smp Id: 0803603-01A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 7.0"Hg-->5psi

Calibration Date: 04-APR-2008
Calibration Time: 07:44
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	269710	161826	377594	202414	-24.95
88 1,4-Difluorobenze	1256487	753892	1759082	908757	-27.67
125 Chlorobenzene-d5	768549	461129	1075969	589642	-23.28

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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: 09-Apr-2008 13:49

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-04apr
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0803603-01A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 7.0"Hg-->5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	23.380	93.52	70-130
$ 104 Toluene-d8	25.000	24.433	97.73	70-130
$ 140 Bromofluorobenzene	25.000	23.078	92.31	70-130

Data File: /chem/msd8.i/8-04apr.b/8040421.d

Date : 05-APR-2008 00:36

Client ID:

Sample Info: 200mL #34453

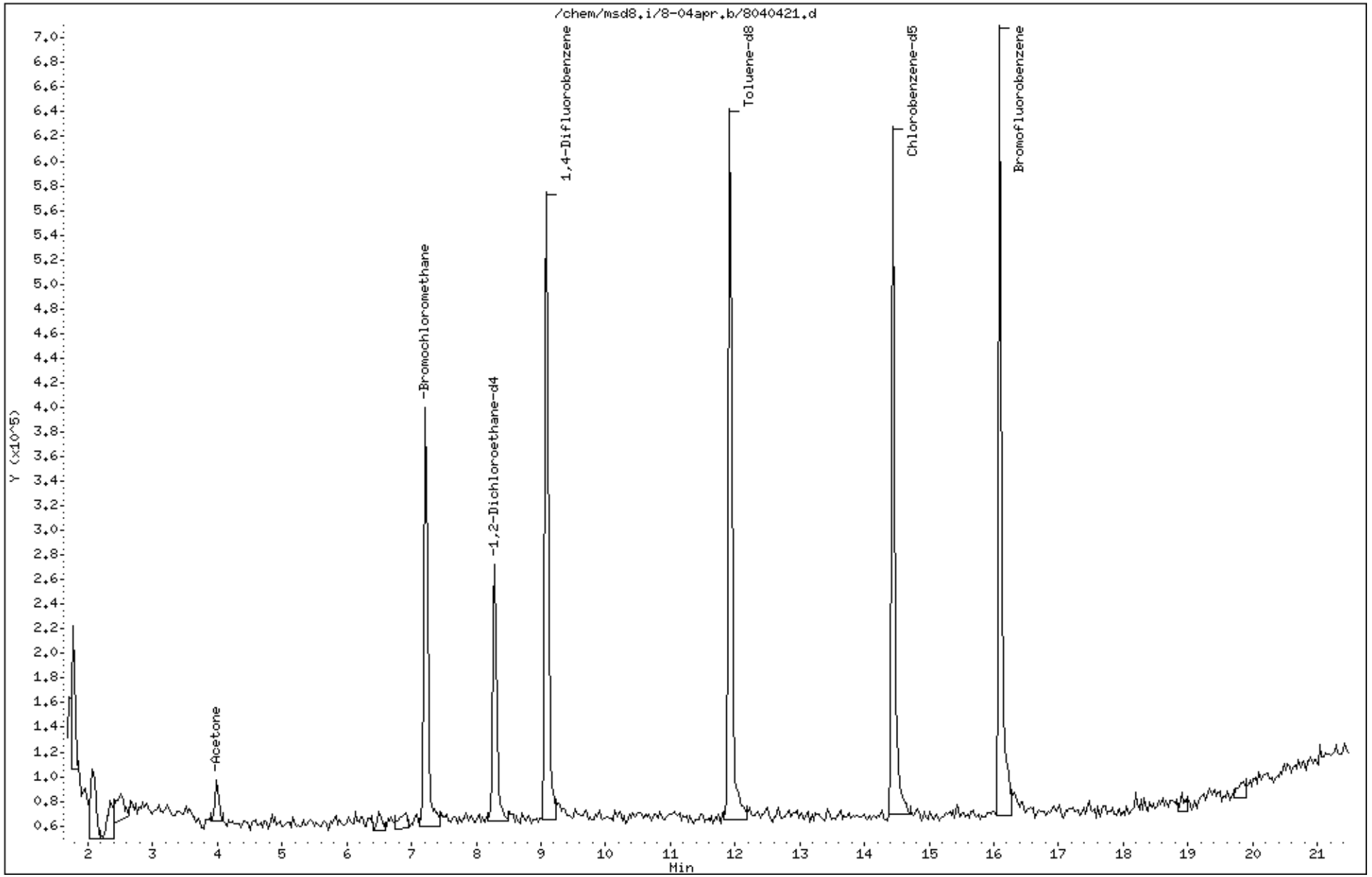
Column phase: RTx-624

Instrument: msd8.i

Operator: kr

Column diameter: 0.53

0013



Data File: /chem/msd8.i/8-04apr.b/8040421.d

Date : 05-APR-2008 00:36

Client ID:

Instrument: msd8.i

Sample Info: 200mL #34453

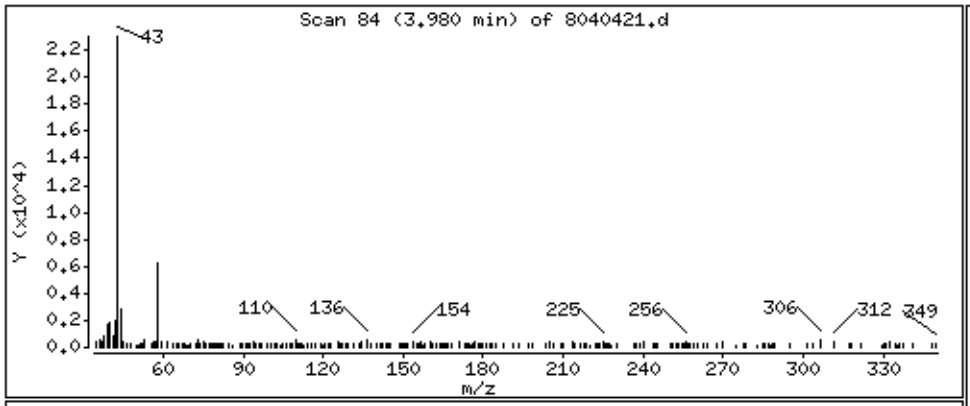
Operator: kr

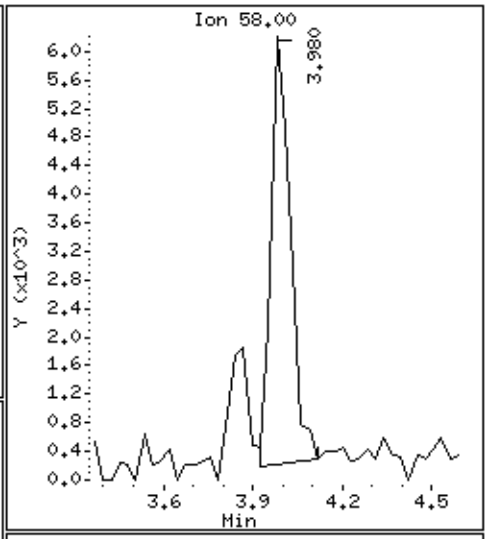
Column phase: RTx-624

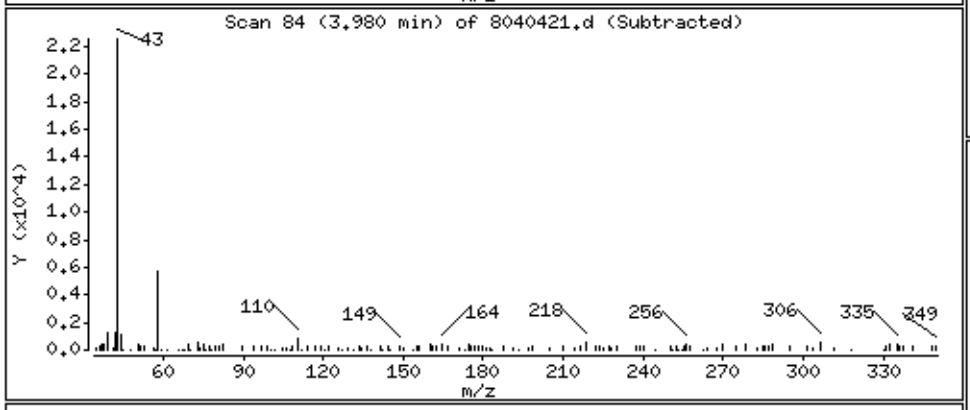
Column diameter: 0.53

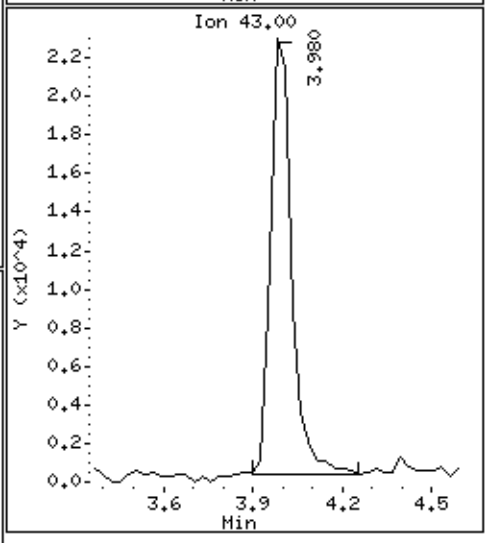
30 Acetone

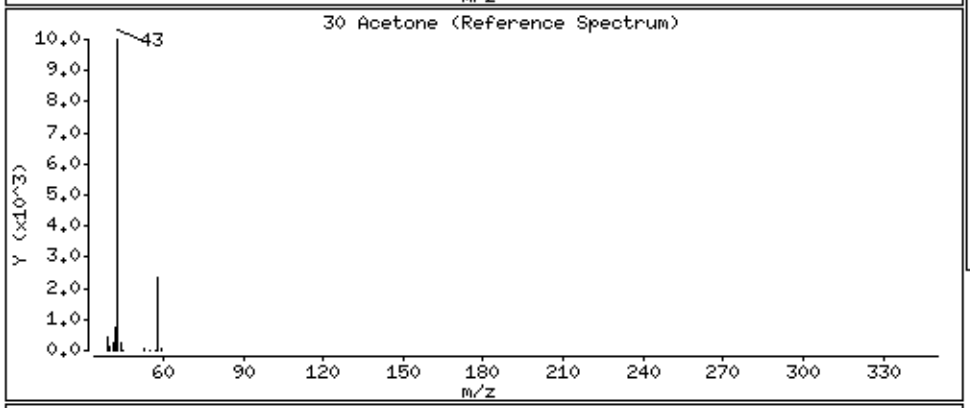
Concentration: 6.491 PPBV

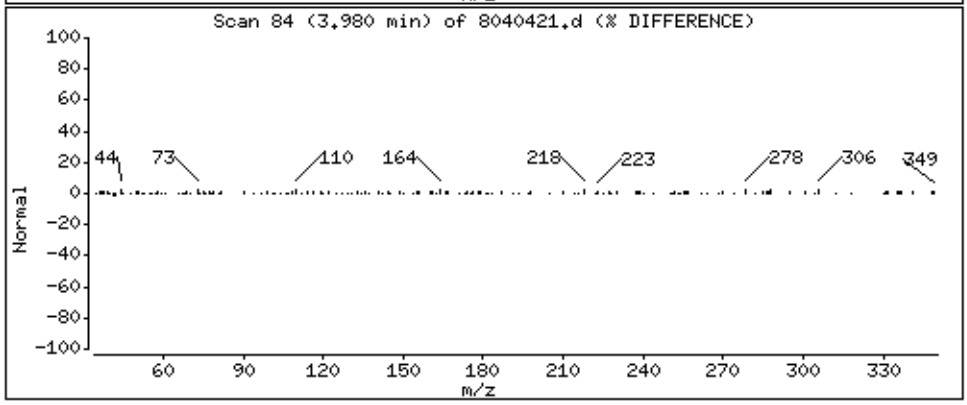












AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: DW AMS 3

Lab ID#: 0803603-02A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0803603-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040422**	**Date of Collection: 3/26/08**	
Dil. Factor:	**1.75**	**Date of Analysis: 4/5/08 01:19 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.88	Not Detected	4.3	Not Detected
Freon 114	0.88	Not Detected	6.1	Not Detected
Vinyl Chloride	0.88	Not Detected U J	2.2	Not Detected U J
Bromomethane	0.88	Not Detected	3.4	Not Detected
Chloroethane	0.88	Not Detected	2.3	Not Detected
Freon 11	0.88	Not Detected	4.9	Not Detected
1,1-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Freon 113	0.88	Not Detected	6.7	Not Detected
Methylene Chloride	0.88	Not Detected	3.0	Not Detected
1,1-Dichloroethane	0.88	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
Chloroform	0.88	Not Detected	4.3	Not Detected
1,1,1-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Carbon Tetrachloride	0.88	Not Detected	5.5	Not Detected
Benzene	0.88	Not Detected	2.8	Not Detected
1,2-Dichloroethane	0.88	Not Detected	3.5	Not Detected
Trichloroethene	0.88	Not Detected	4.7	Not Detected
1,2-Dichloropropane	0.88	Not Detected	4.0	Not Detected
cis-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
Toluene	0.88	Not Detected	3.3	Not Detected
trans-1,3-Dichloropropene	0.88	Not Detected	4.0	Not Detected
1,1,2-Trichloroethane	0.88	Not Detected	4.8	Not Detected
Tetrachloroethene	0.88	Not Detected	5.9	Not Detected
1,2-Dibromoethane (EDB)	0.88	Not Detected	6.7	Not Detected
Chlorobenzene	0.88	Not Detected	4.0	Not Detected
Ethyl Benzene	0.88	Not Detected	3.8	Not Detected
m,p-Xylene	0.88	Not Detected	3.8	Not Detected
o-Xylene	0.88	Not Detected	3.8	Not Detected
Styrene	0.88	Not Detected	3.7	Not Detected
1,1,2,2-Tetrachloroethane	0.88	Not Detected	6.0	Not Detected
1,3,5-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,2,4-Trimethylbenzene	0.88	Not Detected	4.3	Not Detected
1,3-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,4-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
alpha-Chlorotoluene	0.88	Not Detected	4.5	Not Detected
1,2-Dichlorobenzene	0.88	Not Detected	5.3	Not Detected
1,3-Butadiene	0.88	Not Detected U J	1.9	Not Detected U J
Hexane	0.88	Not Detected	3.1	Not Detected
Cyclohexane	0.88	Not Detected	3.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW AMS 3

Lab ID#: 0803603-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040422**	**Date of Collection: 3/26/08**	
Dil. Factor:	**1.75**	**Date of Analysis: 4/5/08 01:19 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Heptane	0.88	Not Detected	3.6	Not Detected
Bromodichloromethane	0.88	Not Detected	5.9	Not Detected
Dibromochloromethane	0.88	Not Detected	7.4	Not Detected
Cumene	0.88	Not Detected	4.3	Not Detected
Propylbenzene	0.88	Not Detected	4.3	Not Detected
Chloromethane	3.5	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	3.5	Not Detected	26	Not Detected
Hexachlorobutadiene	3.5	Not Detected	37	Not Detected
Acetone	3.5	Not Detected	8.3	Not Detected
Carbon Disulfide	0.88	Not Detected	2.7	Not Detected
2-Propanol	3.5	Not Detected	8.6	Not Detected
trans-1,2-Dichloroethene	0.88	Not Detected	3.5	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.88	Not Detected	2.6	Not Detected
1,4-Dioxane	3.5	Not Detected	13	Not Detected
4-Methyl-2-pentanone	0.88	Not Detected	3.6	Not Detected
2-Hexanone	3.5	Not Detected	14	Not Detected
Bromoform	0.88	Not Detected	9.0	Not Detected
4-Ethyltoluene	0.88	Not Detected	4.3	Not Detected
Ethanol	3.5	Not Detected	6.6	Not Detected
Methyl tert-butyl ether	0.88	Not Detected	3.2	Not Detected
3-Chloropropene	3.5	Not Detected	11	Not Detected
2,2,4-Trimethylpentane	0.88	Not Detected	4.1	Not Detected
Naphthalene	3.5	Not Detected	18	Not Detected

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	91	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04apr.b/8040422.d
Lab Smp Id: 0803603-02A
Inj Date : 05-APR-2008 01:19
Operator : kr Inst ID: msd8.i
Smp Info : 200mL #4387
Misc Info : 7.0"Hg-->5psi
Comment :
Method : /chem/msd8.i/8-04apr.b/t14q307c.m
Meth Date : 04-Apr-2008 14:12 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.d
Als bottle: 1
Dil Factor: 1.75000
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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.214 (1.000)	130	199763	25.0000		80.00- 120.00	100.00
7.215	7.214 (1.000)	128	159356			46.91- 106.91	79.77
7.215	7.214 (1.000)	49	427915			166.10- 226.10	214.21
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	890506	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	140295			0.00- 45.17	15.75
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	594572	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	340774			0.00- 30.00	57.31
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	341127	24.2307	24.231	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	176355			25.59- 85.59	51.70
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	834685	24.7890	24.789	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	96263			0.00- 40.92	11.53

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	538717			42.51- 102.51	64.54
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	340939	22.8319	22.832	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	424870			89.44- 149.44	124.62
16.090	16.090 (1.115)	176	330685			66.17- 126.17	96.99

Report Date: 09-Apr-2008 13:50

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040422.d
Lab Smp Id: 0803603-02A
Analysis Type: VOA
Quant Type: ISTD
Operator: kr
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 7.0"Hg-->5psi

Calibration Date: 04-APR-2008
Calibration Time: 07:44

Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	269710	161826	377594	199763	-25.93
88 1,4-Difluorobenze	1256487	753892	1759082	890506	-29.13
125 Chlorobenzene-d5	768549	461129	1075969	594572	-22.64

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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: 09-Apr-2008 13:50

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-04apr
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: 0803603-02A
Level: LOW Operator: kr
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 7.0"Hg-->5psi

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	24.231	96.92	70-130
$ 104 Toluene-d8	25.000	24.789	99.16	70-130
$ 140 Bromofluorobenzene	25.000	22.832	91.33	70-130

Data File: /chem/msd8.i/8-04apr.b/8040422.d

Date : 05-APR-2008 01:19

Client ID:

Sample Info: 200mL #4387

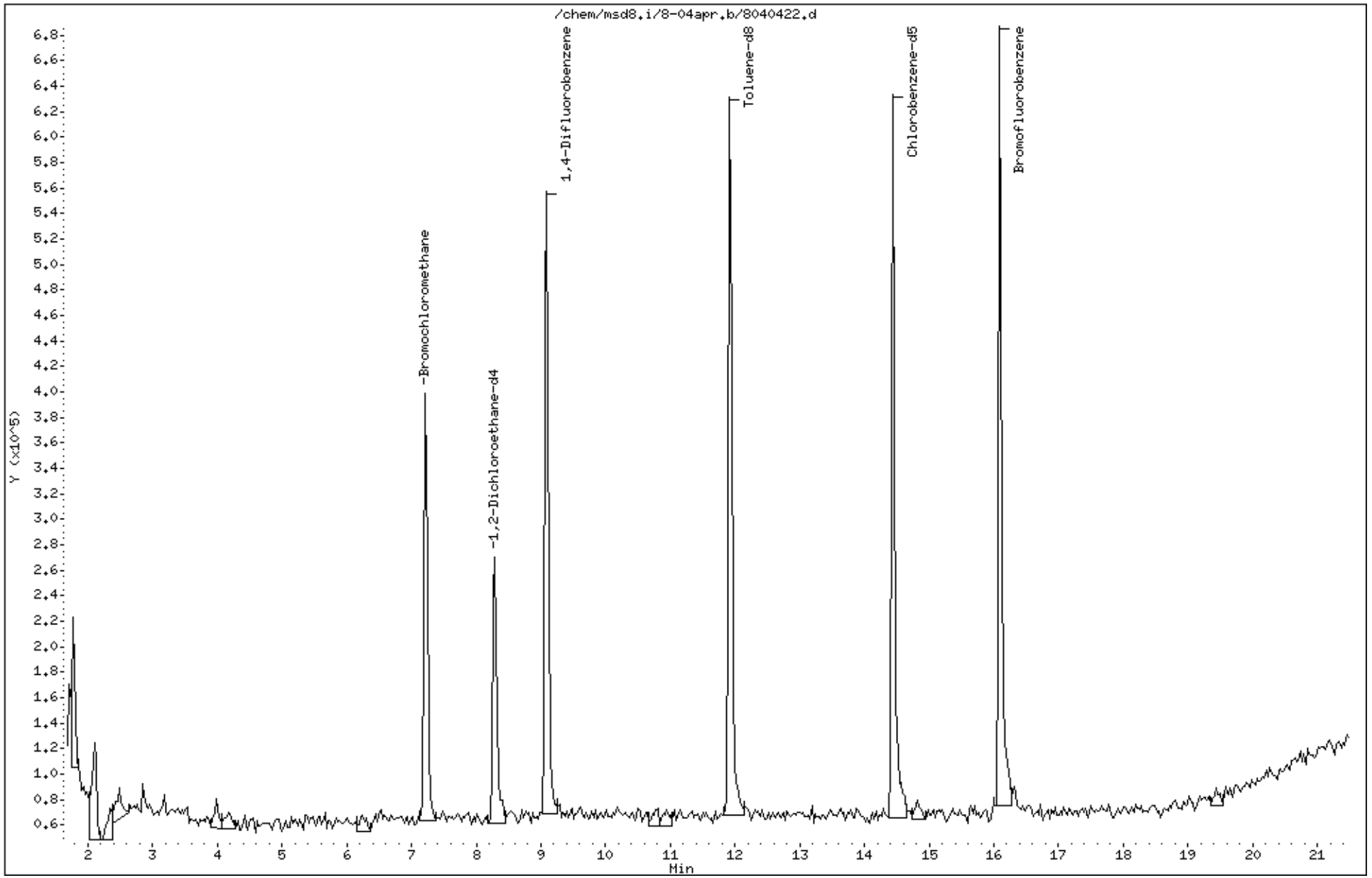
Column phase: RTx-624

Instrument: msd8.i

Operator: kr

Column diameter: 0.53

0022



QC Results and Raw Data

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0803603-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040409**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 12:25 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 U J	1.3	Not Detected U J
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 U J	1.1	Not Detected U J
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#: 0803603-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040409**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 12:25 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

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

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	95	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04apr.b/8040409.d
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Inj Date : 04-APR-2008 12:25
Operator : cb Inst ID: msd8.i
Smp Info : 200mL #12009
Misc Info : Humid
Comment :
Method : /chem/msd8.i/8-04apr.b/t14q307c.m
Meth Date : 04-Apr-2008 10:15 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08spc.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
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	215702	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	170193			46.91- 106.91	78.90
7.214	7.214 (1.000)	49	450039			166.10- 226.10	208.64
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	949109	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	149645			0.00- 45.17	15.77
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	617124	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	377243			0.00- 30.00	61.13
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	353226	23.2361	23.236	80.00- 120.00	100.00
8.293	8.293 (1.149)	67	180251			25.59- 85.59	51.03
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	890886	24.8245	24.824	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	90353			0.00- 40.92	10.14

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	580374			42.51- 102.51	65.15
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	369266	23.8253	23.825	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	446780			89.44- 149.44	120.99
16.090	16.090 (1.115)	176	358095			66.17- 126.17	96.97

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040409.d
Lab Smp Id: Lab Blank
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: Humid

Calibration Date: 04-APR-2008
Calibration Time: 07:44
Client Smp ID: Lab Blank
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	269710	161826	377594	215702	-20.02
88 1,4-Difluorobenze	1256487	753892	1759082	949109	-24.46
125 Chlorobenzene-d5	768549	461129	1075969	617124	-19.70

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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: 04-Apr-2008 12:33

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-04apr
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank
Level: LOW Operator: cb
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08spc.sub
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: Humid

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	23.236	92.94	70-130
$ 104 Toluene-d8	25.000	24.824	99.30	70-130
$ 140 Bromofluorobenzene	25.000	23.825	95.30	70-130

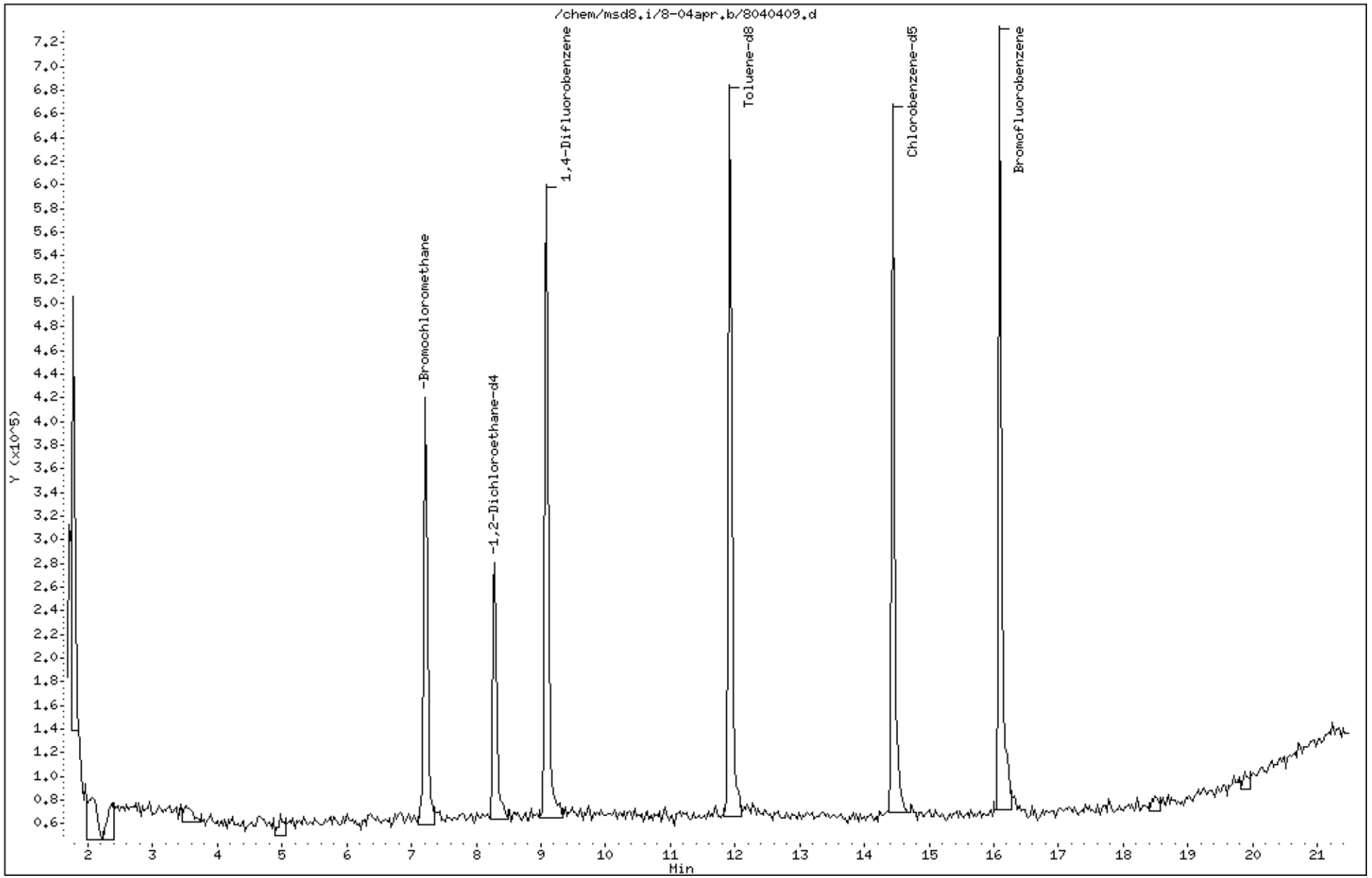
0030

Data File: /chem/msd8.i/8-04apr.b/8040409.d
Date : 04-APR-2008 12:25
Client ID: Lab Blank
Sample Info: 200mL #12009

Column phase: RTx-624

Instrument: msd8.i

Operator: cb
Column diameter: 0.53



LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED. SDG No.: 0803603

	CLIENT SAMPLE NO.	SURROGATE % RECOVERY								
		1,2-Dichloroethane-d4	#	Toluene-d8	#	4-Bromofluorobenzene	#		#	TOTAL OUT
01	U.W.-AMS 5	94		98		92				0
02	DW AMS 3	97		99		91				0
03	Lab Blank	93		99		95				0
04	CCV	93		101		109				0
05	LCS	91		103		110				0
06										0
07										0
08										0
09										0
10										0
11										0
12										0
13										0
14										0
15										0
16										0
17										0
18										0
19										0
20										0
21										0
22										0
23										0
24										0

Surrogate Recovery Limits

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

* Designates values outside of QC limits

LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD
SDG No: 0803603
Lab File ID: 8040402.d
Date Analyzed: 04/04/2008
Instrument ID: msd8.i
Time Analyzed: 07:44 AM

		Chlorobenzene-d5 Area	#	RT	#	1,4-Difluorobenzene Area	#	RT	#	Bromochloromethane Area	#	RT	#
	24-HOUR STD	768549		14.43		1256487		9.09		269710		7.21	
	UPPER LIMIT	1075969		14.76		1759082		09.42		377594		07.54	
	LOWER LIMIT	461129		14.10		753892		08.76		161826		06.88	
	CLIENT SAMPLE NO												
01	U.W.-AMS 5	589642		14.43		908757		9.09		202414		7.21	
02	DW AMS 3	594572		14.43		890506		9.09		199763		7.21	
03	Lab Blank	617124		14.43		949109		9.09		215702		7.21	
04	CCV	768549		14.43		1256487		9.09		269710		7.21	
05	LCS	652260		14.43		1047870		9.09		236385		7.21	
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													

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

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

* Designates values outside of QC limits

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd8.i/8-07mar.b/8030711.d
Level 2: /chem/msd8.i/8-07mar.b/8030712.d
Level 3: /chem/msd8.i/8-01apr.b/8040105.d
Level 4: /chem/msd8.i/8-07mar.b/8030714.d
Level 5: /chem/msd8.i/8-01apr.b/8040106.d
Level 6: /chem/msd8.i/8-07mar.b/8030716.d
Level 7: /chem/msd8.i/8-01apr.b/8040107.d

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
1 Freon 152a	+++++	+++++	1.10957	+++++	0.72046	+++++		
	0.78885						0.87296	23.797
2 Freon 22	+++++	+++++	0.47572	+++++	0.33997	+++++		
	0.31880						0.37816	22.516
3 Propylene	+++++	+++++	1.61676	1.46597	1.43916	1.42266		
	1.28001						1.44491	8.312
4 Dichlorodifluoromethane/Fr12	+++++	4.14732	3.87481	3.78738	3.44815	3.33850		
	2.89231						3.58141	12.489
5 Freon134a	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
6 Freon 114	+++++	3.34647	2.83882	2.27827	2.10611	2.13979		
	1.90489						2.43572	22.448
7 Isobutane	+++++	+++++	5.92863	+++++	3.50951	+++++		
	3.02730						4.15515	37.416

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
8 Chloromethane	+++++	+++++	2.31548	1.66002	1.72064	1.70817		
	1.50701						1.78226	17.392
9 Butane	+++++	+++++	0.58725	0.33135	0.33738	0.34506		
	0.32278						0.38477	29.495
10 1,3-Butadiene	+++++	2.05332	1.71862	1.41325	1.41784	1.44137		
	1.29522						1.55660	18.043
11 Vinyl Chloride	+++++	2.72081	1.94679	1.63489	1.60246	1.63546		
	1.49260						1.83883	24.900
12 Methanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
13 Bromomethane	+++++	1.53691	1.06807	1.02054	1.03699	1.08518		
	0.97646						1.12069	18.508
14 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
15 Isopentane	+++++	+++++	3.54211	2.69062	2.57805	2.62641		
	2.34769						2.75697	16.596
16 Chloroethane	+++++	1.14502	0.93799	0.83559	0.81001	0.84663		
	0.77237						0.89127	15.253
17 Dichlorofluoromethane/Fr21	+++++	+++++	2.50388	+++++	2.10559	+++++		
	1.96549						2.19165	12.745

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
18 Trichlorofluoromethane/Fr11	+++++	4.93391	4.37757	3.53429	3.41354	3.49795	3.12118	3.81307	18.133	
19 Pentane	+++++	+++++	6.85883	+++++	3.59286	+++++	3.25117	4.56762	43.602	<-
20 Freon123a	+++++	+++++	1.69062	+++++	1.41312	+++++	1.25194	1.45190	15.283	
21 Freon123	+++++	+++++	0.16175	+++++	0.15452	+++++	0.15185	0.15604	3.285	
22 Dimethyl Ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
23 Ethanol	+++++	+++++	0.89556	0.79054	0.74258	0.71344	0.61426	0.75127	13.743	
24 Freon 13	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
25 Acrolein	+++++	+++++	0.86765	+++++	0.50765	+++++	0.49542	0.62357	33.911	
26 Isobutylene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
27 Freon142b	+++++	+++++	2.25528	+++++	2.60149	+++++	2.47103	2.44260	7.158	

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
28 Freon 113	+++++	3.08203	1.95817	1.82384	1.76468	1.72734	1.55881	1.98581	27.826
29 1,1-Dichloroethene	+++++	4.07810	3.36877	2.62009	2.48699	2.49831	2.33000	2.89704	23.628
30 Acetone	+++++	+++++	1.23661	0.85710	0.82170	0.86922	0.78580	0.91408	20.044
31 Acetaldehyde	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
32 Freon143a	+++++	+++++	0.47859	+++++	0.60271	+++++	0.50146	0.52759	12.520
33 Carbon Disulfide	+++++	5.97000	5.07293	4.15955	4.06987	4.13307	3.75742	4.52714	18.406
34 2-Propanol	+++++	+++++	4.09140	3.55484	3.47015	3.59180	3.20015	3.58167	9.032
35 Acetonitrile	+++++	+++++	1.29530	+++++	0.98800	+++++	0.73088	1.00473	28.125
36 Cyclopentene	+++++	+++++	3.00699	+++++	3.03914	+++++	3.04285	3.02966	0.651
37 3-Chloropropene	+++++	+++++	0.79386	0.71405	0.67980	0.71828	0.62377	0.70595	8.785

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD	
	200.000 Level 7								
38 tert-Butyl-Alcohol	+++++	+++++	3.55184	2.86307	2.67540	2.29861			
	1.59746						2.59728	27.743	
39 2-Methylpentane	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
40 Methylene Chloride	+++++	3.22786	2.89596	2.13141	2.10408	2.15685			
	1.92486						2.40684	21.793	
41 Acrylonitrile	+++++	+++++	2.10921	+++++	1.42995	+++++			
	1.37001						1.63639	25.090	
42 2-Methyl-1-Butene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++						+++++	+++++	
43 MTBE	+++++	3.90963	2.73363	3.67181	3.59947	3.53803			
	2.89658						3.39152	13.764	
44 1-Pentene	+++++	+++++	3.44347	+++++	1.91241	+++++			
	1.73412						2.36333	39.760	
45 trans-1,2-Dichloroethene	+++++	2.26149	1.92449	1.47763	1.44371	1.47765			
	1.31025						1.64921	22.141	
46 Hexane	+++++	4.09401	4.04306	3.31745	3.21749	3.22337			
	2.88218						3.46293	14.211	
47 Ethyl Ether	+++++	+++++	1.37129	+++++	0.72664	+++++			
	0.69378						0.93057	41.053	<-

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
48 Ethanol-high	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
49 Isopropyl ether	+++++	+++++	6.14915	+++++	6.10013	+++++		
	5.84730						6.03220	2.685
50 Propanal	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
51 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
52 1-Propanol	+++++	+++++	0.32246	+++++	0.29738	+++++		
	0.33811						0.31932	6.434
53 Bromoethane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
54 1,1-Dichloroethane	+++++	3.90405	3.70842	3.12863	3.01765	3.15912		
	2.80619						3.28734	12.931
55 Vinyl Acetate	+++++	+++++	0.40258	0.34309	0.35458	0.38281		
	0.35095						0.36680	6.814
56 Iodomethane	+++++	+++++	3.32029	+++++	2.79722	+++++		
	2.50111						2.87287	14.438
57 2,3-Dimethylbutane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
58 Ethyl-tert-butyl Ether	+++++	+++++	3.95697	+++++	4.65348	+++++	4.48293	4.36446	8.318
59 Methyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
60 2,2-Dichloropropane	+++++	+++++	1.17983	+++++	2.03374	+++++	1.87817	1.69725	26.796
61 Ethyl Acetate	+++++	+++++	0.37496	+++++	0.31544	+++++	0.31463	0.33501	10.328
62 1-Hexene	+++++	+++++	2.27042	+++++	1.29894	+++++	1.22117	1.59684	36.611
63 Methyl Acrylate	+++++	+++++	3.84639	+++++	3.05178	+++++	2.98201	3.29339	14.580
64 cis-1,2-Dichloroethene	+++++	3.33466	2.96968	2.36136	2.31016	2.35522	2.10158	2.57211	18.409
65 2-Butanone	+++++	0.99426	0.81518	0.76635	0.76114	0.76840	0.70011	0.80091	12.682
66 2,4-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Tetrahydrofuran	+++++	3.71359	3.16730	2.51656	2.47793	2.56923	2.33843	2.79718	19.051

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
69 Butanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
70 Chloroform	4.30153	4.17439	3.45811	2.86928	2.75251	2.88261	2.59862	3.29101	21.283
71 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
72 1,1-Dichloropropene	+++++	+++++	0.92633	+++++	0.66210	+++++	0.65836	0.74893	20.515
73 Cyclohexane	+++++	3.21015	2.77766	2.25644	2.15778	2.20421	1.95613	2.42706	19.406
74 3-Methyl-1-Hexene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
75 1,1,1-Trichloroethane	+++++	4.46688	3.32449	2.87566	2.77044	2.92510	2.59733	3.15998	21.646
76 2,3-Dimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 Carbon Tetrachloride	+++++	2.91028	2.84387	2.43666	2.35941	2.44471	2.23016	2.53751	10.833
78 Isobutanol	+++++	+++++	0.27414	+++++	0.32057	+++++	0.34421	0.31298	11.390

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD	
79 tert-amyl-Methyl Ether	+++++	+++++	3.01077	+++++	3.60222	+++++	3.54467	3.38589	9.632	
80 2,2,4-Trimethylpentane	+++++	11.97199	12.45966	9.87189	9.53612	9.95606	9.01918	10.46915	13.382	
81 Benzene	1.51587	1.65173	1.32012	1.03910	0.96821	0.94475	0.92522	1.19500	25.067	
83 1,2-Dichloroethane	+++++	0.56599	0.57606	0.49673	0.46526	0.45985	0.43770	0.50026	11.604	
84 Thiopene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
85 Heptane	+++++	0.20044	0.12683	0.11419	0.10896	0.10210	0.09928	0.12530	30.397	<-
86 1-Methoxy-2-Propanol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
87 2,3,4-Trimethylpentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
89 1-Butanol	+++++	+++++	0.16780	+++++	0.21498	+++++	0.25277	0.21185	20.095	
90 Methyl Methacrylate	+++++	+++++	0.79639	+++++	0.63522	+++++	0.62424	0.68528	14.064	

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
91 2-Pentanone	+++++	+++++	1.41602	+++++	1.15785	+++++	1.16530	1.24639	11.790
92 Pentanal	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 Ethyl Acrylate	+++++	+++++	0.90129	+++++	0.85265	+++++	0.88130	0.87842	2.783
94 Trichloroethene	+++++	0.66165	0.56938	0.41555	0.37845	0.37342	0.36355	0.46033	27.141
95 Methyl Cyclohexane	+++++	3.95818	3.80014	2.98664	2.89675	2.96044	2.67843	3.21343	16.472
96 Dibromomethane	+++++	+++++	0.56335	+++++	0.34991	+++++	0.33417	0.41581	30.786
97 1,2-Dichloropropane	+++++	0.69712	0.47793	0.40776	0.39037	0.37447	0.36593	0.45226	27.956
98 1,4-Dioxane	+++++	+++++	0.25535	0.22458	0.21585	0.21244	0.20902	0.22345	8.391
99 Octane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
100 Bromodichloromethane	+++++	0.82147	0.79329	0.62333	0.59167	0.57698	0.57351	0.66337	17.076

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
101 1-Nitropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
102 cis-1,3-Dichloropropene	+++++	0.83026	0.53815	0.49571	0.48319	0.47192		
	0.47192						0.54853	25.559
103 4-Methyl-2-pentanone	+++++	0.56493	0.37513	0.35466	0.33930	0.32244		
	0.31575						0.37870	24.758
105 Toluene	+++++	1.41494	1.26205	1.07374	1.00488	0.97910		
	0.98978						1.12075	15.930
106 1-Methoxy-2-propyl acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
107 Epichlorohydrin	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
108 trans-1,3-Dichloropropene	+++++	0.65733	0.81480	0.75980	0.73451	0.75327		
	0.74427						0.74400	6.840
109 1,3-Dichloropropane	+++++	+++++	0.54256	+++++	0.52262	+++++		
	0.49540						0.52019	4.552
110 1,1,2-Trichloroethane	+++++	0.66133	0.67418	0.57442	0.54085	0.51728		
	0.49608						0.57736	12.958
111 alpha-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
112 Tetrachloroethene	+++++	1.01500	1.04069	0.73914	0.71160	0.68943	0.66582	0.81028	21.036
113 Butyl Acetate	+++++	+++++	0.22601	+++++	0.36562	+++++	0.36855	0.32006	25.452
114 2-Hexanone	+++++	+++++	0.82333	0.71989	0.68140	0.69012	0.69007	0.72096	8.191
115 trans-1,4-dichloro-2-butene	+++++	+++++	0.08724	+++++	0.16736	+++++	0.19450	0.14970	37.254
116 Dibromochloromethane	+++++	1.20554	0.84932	0.77815	0.76848	0.76923	0.75755	0.85471	20.477
117 1,2-Dibromoethane	+++++	1.17848	1.13151	0.88321	0.84875	0.82444	0.80118	0.94459	17.562
118 beta-Pinene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
119 Decane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
120 Diisobutyl Ketone	+++++	+++++	1.12146	+++++	1.55811	+++++	1.64010	1.43989	19.362
121 Alphamethylstyrene	+++++	+++++	0.88098	+++++	0.92760	+++++	0.98814	0.93224	5.763

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Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
122 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
123 1,1,1,2-Tetrachloroethane	+++++	+++++	0.60894	+++++	0.56332	+++++		
	0.56746						0.57991	4.351
124 D-Limonene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
126 Chlorobenzene	+++++	1.89428	1.62935	1.39749	1.29617	1.24981		
	1.21542						1.44709	18.310
127 Bis(2-chloroethyl) ether	+++++	+++++	1.47715	+++++	1.13270	+++++		
	1.25366						1.28784	13.569
128 Nonane	+++++	+++++	2.32607	+++++	1.66979	+++++		
	1.68173						1.89253	19.841
129 Ethyl Benzene	+++++	0.83831	0.79480	0.71843	0.71193	0.68360		
	0.65987						0.73449	9.302
130 m,p-Xylene	+++++	1.03975	1.15053	0.90939	0.85668	0.84645		
	0.82793						0.93845	13.766
131 Undecane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
132 o-Xylene	+++++	1.13913	1.04931	0.83789	0.82195	0.79615		
	0.76073						0.90086	17.168

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
133 2-Heptanone	+++++	+++++	0.36667	+++++	0.75199	+++++	0.77384	0.63083	36.306
134 Styrene	1.96379	1.72791	1.59232	1.47539	1.34862	1.36957	1.36209	1.54853	14.882
135 Bromoform	+++++	0.81409	0.76511	0.74066	0.75258	0.74521	0.75919	0.76281	3.495
136 Cyclohexanone	+++++	+++++	0.57114	+++++	0.75581	+++++	0.74766	0.69154	15.089
137 Cumene	3.42755	3.37770	3.23628	2.66207	2.61048	2.51975	2.26633	2.87145	16.213
138 1-chloro-2-Bromopropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
139 Bromobenzene	+++++	+++++	0.77949	+++++	0.68697	+++++	0.67540	0.71395	7.990
141 1,2,3-Trichloropropane	+++++	+++++	0.35432	+++++	0.34611	+++++	0.34992	0.35012	1.175
142 Dodecane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
143 2-Chlorotoluene	+++++	+++++	0.52077	+++++	0.55203	+++++	0.57207	0.54829	4.715

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
144 1,1,2,2-Tetrachloroethane	+++++	1.52317	1.53537	1.26001	1.23414	1.20147		
	1.18416						1.32305	12.238
145 Propylbenzene	+++++	3.75971	3.61897	3.28059	3.23785	3.29905		
	2.31310						3.25154	15.544
146 4-Chlorotoluene	+++++	+++++	0.59050	+++++	0.52265	+++++		
	0.56872						0.56062	6.180
147 4-Ethyltoluene	+++++	2.73277	2.78762	2.46074	2.44700	2.40374		
	2.40290						2.53913	6.839
148 1,3,5-Trimethylbenzene	+++++	3.24464	3.08121	2.30417	2.25292	2.16965		
	2.11341						2.52767	19.747
149 2,6-Dimethyl-1-propanol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
150 tert-Butylbenzene	+++++	+++++	2.46400	+++++	2.33600	+++++		
	2.52429						2.44143	3.938
151 Pentachloroethane	+++++	+++++	0.49331	+++++	0.52337	+++++		
	0.57816						0.53161	8.093
152 sec-Butylbenzene	+++++	+++++	2.56033	+++++	2.71619	+++++		
	2.95322						2.74325	7.212
153 1,2,4-Trimethylbenzene	+++++	2.79993	2.47884	2.17474	2.16406	2.15004		
	2.08113						2.30812	12.039

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	200.000 Level 7	___ RRF	% RSD
154 p-Cymene	+++++	+++++	0.49423	+++++	0.60870	+++++	0.64678	0.58323	13.614
155 1,2,3-Trimethylbenzene	+++++	+++++	0.70530	+++++	0.79135	+++++	0.84154	0.77939	8.840
156 1,3-Dichlorobenzene	+++++	1.86415	1.43437	1.23569	1.25013	1.20353	1.16428	1.35869	19.473
157 1,4-Dichlorobenzene	+++++	2.13397	2.16095	1.60250	1.59167	1.57128	1.38650	1.74114	18.641
158 alpha-Chlorotoluene	+++++	1.46580	1.57480	1.66285	1.76652	1.79204	1.81331	1.67922	8.211
159 Butylbenzene	+++++	+++++	0.52090	+++++	0.62354	+++++	0.64717	0.59720	11.241
160 Indan	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
161 1,2-Dichlorobenzene	+++++	1.76123	1.93735	1.40796	1.40389	1.35830	1.29528	1.52733	16.941
162 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
163 Indene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
164 Aniline	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
165 1,2-Dibromo-3-Chloropropane	+++++	+++++	0.55927	+++++	0.61140	+++++		
	0.70212						0.62426	11.580
166 Isooctyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
167 1,2,4-Trichlorobenzene	+++++	+++++	1.75415	1.12978	1.06524	1.02944		
	1.04356						1.20443	25.713
168 Hexachlorobutadiene	+++++	+++++	1.52150	1.03125	1.03352	1.02238		
	0.96414						1.11456	20.569
169 Naphthalene	+++++	+++++	3.65700	2.07906	2.12813	2.08800		
	2.11418						2.41328	28.822
170 1,2,3-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
171 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
172 Isooctyl Acrylate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
198 Vinyl Fluoride	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd8.i/8-01apr.b/t14q307c.m
Cal Date : 01-Apr-2008 12:20 sscott
Curve Type : Average

Compound	0.20000 Level 1	0.50000 Level 2	2.000 Level 3	25.000 Level 4	50.000 Level 5	100.000 Level 6	___ RRF	% RSD
	200.000 Level 7							
$ 82 1,2-Dichloroethane-d4	1.68566	1.72529	1.69844	1.70529	1.81752	1.92335		
	1.77758						1.76187	4.849
$ 104 Toluene-d8	0.93095	0.96488	0.94212	0.95922	0.93821	0.93782		
	0.94384						0.94529	1.297
$ 140 Bromofluorobenzene	0.61910	0.59226	0.59664	0.64304	0.64418	0.64588		
	0.65399						0.62787	4.020

Calibration History

Method : /chem/msd8.i/8-01apr.b/t14q307c.m
Start Cal Date: 07-MAR-2008 16:29
End Cal Date : 01-APR-2008 10:36

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.20000		
07-MAR-2008 16:29	AFCEElow	/chem/msd8.i/8-07mar.b/8030711.d
Cal Level: 2 , Cal Amount: 0.50000		
07-MAR-2008 16:56	AT08Low	/chem/msd8.i/8-07mar.b/8030712.d
Cal Level: 3 , Cal Amount: 2.00000		
01-APR-2008 09:38	sp19c	/chem/msd8.i/8-01apr.b/8040105.d
26-MAR-2008 11:09	sp16b	/chem/msd8.i/8-26mar.b/8032606.d
26-MAR-2008 09:14	sp20b	/chem/msd8.i/8-26mar.b/8032602.d
07-MAR-2008 17:23	AT08mdl	/chem/msd8.i/8-07mar.b/8030713.d
Cal Level: 4 , Cal Amount: 25.00000		
07-MAR-2008 17:51	AT08mdl	/chem/msd8.i/8-07mar.b/8030714.d
Cal Level: 5 , Cal Amount: 50.00000		
01-APR-2008 10:06	sp19c	/chem/msd8.i/8-01apr.b/8040106.d
26-MAR-2008 11:36	sp16b	/chem/msd8.i/8-26mar.b/8032607.d
26-MAR-2008 09:42	sp20b	/chem/msd8.i/8-26mar.b/8032603.d
07-MAR-2008 18:18	AT08mdl	/chem/msd8.i/8-07mar.b/8030715.d
Cal Level: 6 , Cal Amount: 100.00000		
07-MAR-2008 18:46	AT08mdl	/chem/msd8.i/8-07mar.b/8030716.d
Cal Level: 7 , Cal Amount: 200.00000		
01-APR-2008 10:36	sp19c	/chem/msd8.i/8-01apr.b/8040107.d

26-MAR-2008 12:06	sp16b	/chem/msd8.i/8-26mar.b/8032608.d
26-MAR-2008 10:12	sp20b	/chem/msd8.i/8-26mar.b/8032604.d
07-MAR-2008 19:15	AT08mdl	/chem/msd8.i/8-07mar.b/8030717.d

Continuing Calibration
Ccal Level Mode: GLOBAL LEVEL 5

Ccal Level: 5 , Ccal Amount: 50.000		
01-APR-2008 08:59	AT08	/chem/msd8.i/8-01apr.b/8040104.d
Ccal Level: 5 , Ccal Amount: 50.000		
01-APR-2008 10:06	sp19c	/chem/msd8.i/8-01apr.b/8040106.d
Ccal Level: 5 , Ccal Amount: 50.000		
01-APR-2008 10:06	sp19cCCV	/chem/msd8.i/8-01apr.b/8040106a.d

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

0053

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	24.92
75	30.0 – 60.0% of mass 95	48.01
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.32
173	Less than 2.0% of mass 174	(0.28)[1]
174	50.0 – 100% of mass 95	68.35
175	5.0 – 9.0% of mass 174	(7.49)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.63)[1]
177	5.0 – 9.0% of mass 176	(6.47)[2]

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

BFB Injection Date: 3/7/08
BFB Injection Time: 1610
BFB File ID: 8030710
Tekmar Purge Flow: 15.7 ml/min
Vacuum: 9.4 x 10^{-6} torr

IS/S Std.#:	1541-51	Exp. Date: 5-28-08
BCM	293004	
1,4-DFB	1382376	
CB-d5	855859	

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

Verify 176/174 m/z Ratio: 444889 / 460397 x 100 = 96.63

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

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 532540\ )}{(\ 293004\ )} \times \frac{(\ 25.0\ )}{(\ 1.76187\ )} =$ 25.790

File ID:	8030715
Compound:	1,2-DCA-d4
Initials:	CB

Reported Result 25.790

Method: tl4g307a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8030710	BFB Tune Check	1476-191	50ng	2mL	1.00	CB	3/7/08	1610	CB	
2	✓	11	ICAL Level 1	1576-271	200ppbv - 0.2ppbv	0.2mL		CB		1629	CB	tl4g307a
3	✓	12	2		~0.5ppbv	0.5mL		CB		1656	CB	
4	✓	13	3		~ 2ppbv	2mL		CB		1723	CB	
5	✓	14	4		~ 25ppbv	25mL		CB		1751	CB	
6	✓	15	5		~ 50ppbv	50mL		CB		1818	CB	CCV
7	✓	16	6		~ 100ppbv	100mL		CB		1846	CB	

Signature

3/7/08
Date

@ Air Toxics Ltd. **MSD-8** Logbook #: 1647

8	✓	8030717	ICAL level 7	1576-271	200 mL/min	200mL	1.00	CB	3/7/08	1915	CB	E14g307g
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

0054

CB 3/10/08

Comments: Flow controller S/N # AA9506172 Nominal - 22.4 mL/min

NIST Flow meter S/N # 200-7744 exp 8/31/08 Actual - 24.9 mL/min CB 3/7/08

Signature

3/10/08
Date

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

0055

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	24.52
75	30.0 – 60.0% of mass 95	48.11
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.50
173	Less than 2.0% of mass 174	(0.00)[1]
174	50.0 – 100% of mass 95	70.20
175	5.0 – 9.0% of mass 174	(7.70)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.39)[1]
177	5.0 – 9.0% of mass 176	(6.32)[2]

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

BFB Injection Date: 3/10/08
BFB Injection Time: 1211
BFB File ID: 8031004
Tekmar Purge Flow: 15.8 mL/min
Vacuum: 1.0×10^{-5} torr

IS/S Std.#:	1541-51	Exp. Date: 5-28-08
BCM	406383	
1,4-DFB	1823270	
CB-d5	1101562	

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

Verify 176/174 m/z Ratio: 560446 / 587522 x 100 = 95.39%

NOAH Cart #: 15 / 7 **File #:** 5031007 / 8031007

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 659896\ )}{(\ 406383\ )} \times \frac{(\ 25.0\ )}{(\ 1.76187\ )} = 23.041$

File ID:	8031005
Compound:	1,2-DCA-d4
Initials:	CB

Reported Result 23.041

Method: TO14g307a

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8031004	BFB Tune Check	1476-191	50mg	2uL	1.00	CB	3/10/08	1211	CB	
2	✓	05	CCV-1 (~~200~~ 100 ppbv) CB 3/10/08	1576-271A	25 ~~50~~ CB 3/10/08 ppbv	50mL		CB		1253	CB	~~Bad load - will redo~~ CB 3/10/08 ~~after lunch~~
3	✓	06	LCS-1 (200 ppbv)	1576-259	50 ppbv	↓		CB		1321	CB	ICAL LCS
4	✓	07	Lab Blank	13673	Humid	200mL		CB		1412	CB	Cert Cart #7 Leg 1
5	✓	08	Cert#14 Leg#3	13673	Humid	200mL	↓	CB		1506	CB	
6		09	08026138 - 31A	12385	30"Hg-15psig	200mL	2.24	CB				
7		↓ 10	↓ - 31AA	↓	↓ - ↓	↓	↓	CB	↓			

Signature

3/10/08
Date

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

0059

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	22.26
75	30.0 – 60.0% of mass 95	47.52
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.91
173	Less than 2.0% of mass 174	(1.11)[1]
174	50.0 – 100% of mass 95	76.29
175	5.0 – 9.0% of mass 174	(7.47)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.68)[1]
177	5.0 – 9.0% of mass 176	(6.33)[2]

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

BFB Injection Date: 3-26-08
BFB Injection Time: 08:30
BFB File ID: 8032601
Tekmar Purge Flow: 15.8 mL/min
Vacuum: 8.5X10-6

IS/S Std.#:	1541-51	Exp. Date: 5/28/08
BCM	238372	
1,4-DFB	112677	
CB-d5	715727	

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

Verify 176/174 m/z Ratio: 827072 / 855488 X100 =

NOAH Cart #: _____ **File #:** _____

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 408682\ )}{(\ 238372\ )} \times \frac{(\ 25\ )}{(\ 1.76187\ )} = 24.327$

Reported Result 24.327

File ID:	8032610
Compound:	1,2-DCA-d4
Initials:	CT

Method: TI4q307b

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8032601	BFB Tune Check	1476-278	50psig	2µL	1.00	CT	3-26-08	08:30	CT	
2	✓	02	ICAL Level 3 (200ppbv)	1576-313	2ppbv	2.0mL				09:14	CT	9p2ck } TI4q307b
3	✓	03	Level 5	↓	50ppbv	50mL				09:42	CT	
4	✓	04	Level 7	↓	200ppbv	200mL				1012	CT	
5	✓	05	Lab Blank	13673	Humid	200mL				1041	CT	
6	✓	06	ICAL Level 3 (200ppbv)	1541-67	2.0ppbv	2.0mL				1136 1/09 3-26-08	CT	9p1kk } TI4q307b
7	✓	07	↓ 5	↓	50ppbv	50mL	↓	↓	↓	1136	CT	

C Taylor
Signature

3-26-08
Date

MSD-8

@ Air Toxics Ltd.

8	✓	8032608	ICAL Level 7 (200ppbv)	1541-67	200ppbv	200mL	1.00	C.T.	3-26-08	1206	C.T.	5p166 3T1493 [illegible]
9	✓	09	Lab Blank	13673	Humid	200mL				1236	C.T.	
10	✓	10	CCV-1 (.50ppbv)	1576-271B	50ppbv	200mL				1305	C.T.	
11	✓	11	LCS-1 (50ppbv)	1576-25B	50ppbv	200mL				1335	C.T.	
12	X	12	Lab Blank	13673	Humid	200mL				1433	C.T.	Cert Can# 8 Leg
13	✓	13	Lab Blank	13673	Humid	200mL				1547	C.T.	Cert Can #7 Leg
14		14	Lab Blank	12941	Humid	200mL	1.00	C.T.				Cert Can #11 Leg
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

3-26-08 C.T.

Comments:

C Taylor
Signature

3-26-08
Date

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

0058

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	23.61
75	30.0 – 60.0% of mass 95	47.71
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.63
173	Less than 2.0% of mass 174	(1.19)[1]
174	50.0 – 100% of mass 95	76.42
175	5.0 – 9.0% of mass 174	(7.38)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(95.10)[1]
177	5.0 – 9.0% of mass 176	(6.43)[2]

[1] - value in parenthesis is % mass 174

[2] - value in parenthesis is % mass 176

BFB Injection Date: 4/11/08

BFB Injection Time: 0718

BFB File ID: 8040101

Tekmar Purge Flow: 15.7 mL/min

Vacuum: 5.5 x 10⁻⁶ Torr

IS/S Std.#:	1541-51	Exp. Date: 5/28/08
BCM	251927	
1,4-DFB	1154242	
CB-d5	740391	

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

Verify 176/174 m/z Ratio: (776128 / 816128) x100 = 95.099

NOAH Cart #: 8 **File #:** 80401984

Calculation Check:

ppbv of compound $= \frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1108896\ )}{(\ 1154242\ )} \times \frac{(\ 25.000\ )}{(\ 0.945283\ )} = 25.4078$

File ID:	80401984
Compound:	Tetrachloroethene
Initials:	KK

Reported Result 25.408

Method: ~~tl4g307c.m~~ KK 4/11/08
tl4g307c.m

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	80401801	BFB Tune Check	1576-278	30 psig	2 mL	1.00	KK	4/11/08	0718	KK	
2	X	02	1576-2778 50 ppbv	CCV-1	50 ppbv	2 mL	1.00	KK		0747	KK	
3	✓	03	1576-2598 50 ppbv	LCS-1	↓	↓	1.00	KK		0817	KK	
4	✓	04	1576-332 200 ppbv	CCV-1	50 ppbv	2 mL	1.00	KK		0859	CT	0 out
5	✓	05	1/2 ICAL level 3	1576-319	20 ppbv	2 mL	↓	KK		0938	CT	9.1% tl4g307c.m
6		06	↓ 5	↓	50 ppbv	50 mL	↓	KK	↓	1006	CT	↓

Signature

4/11/08
Date

@ Air Toxics Ltd. **MSD-8** **Logbook #: 1647**

0059

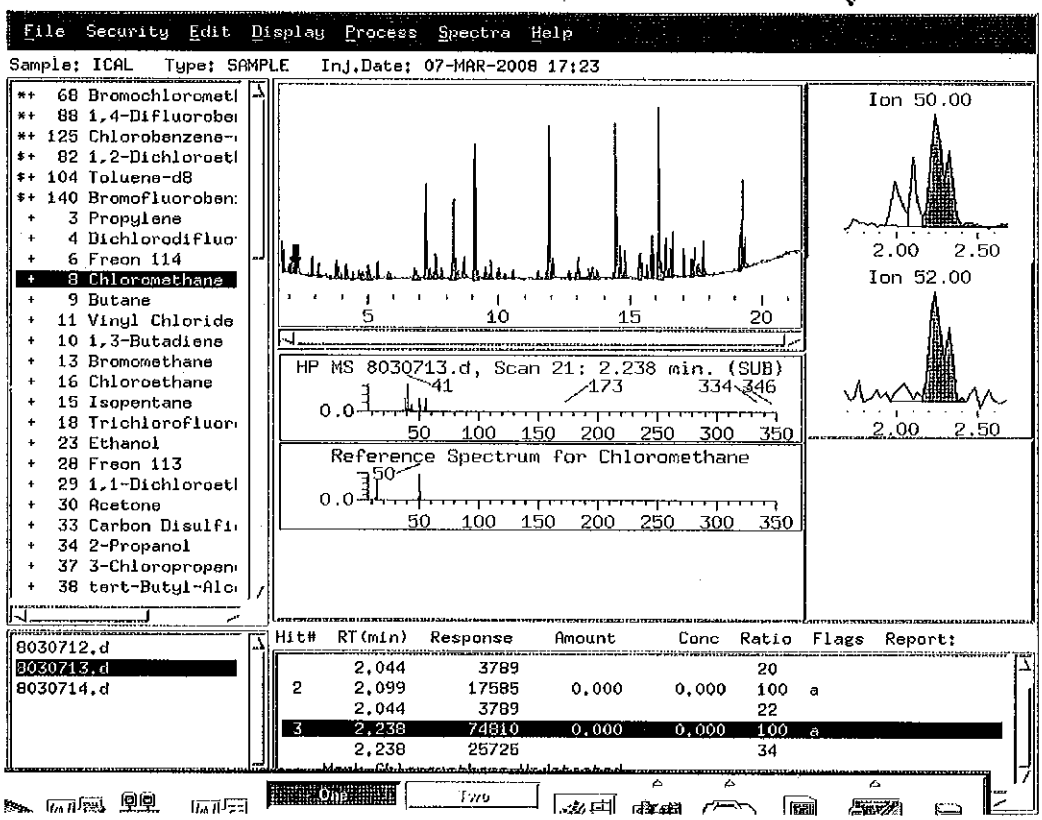
7												[illegible] 4/1/08
8	✓	8040107	S̶ ICAL Level 7	1726-315	200ppbv	200mL	1.00	SS	4/1/08	1036	SS	spikes.sms
9	✓	↓ 08	Humid Lab Blank	12941	Humid	200mL	1.00	C [illegible]		1159	SS	Cert can #8 Leg 8
10	✓	↓ 09	Lab Blank	12941	Humid	200mL	↓	↓		1256	SS	Cert can # 15 Leg i
11		8040110	0803492-01A	2074	21.2psi N2	200mL	1.00	SS				
12		12 11	0803500A-01A	410	7.0%-5psi		1.75					
13		13 12	01AA	↓	↓		↓					
14		14 13	02A	34029	16.5%		1.74					
15		15 14	03A	25316	5.5%		1.44					
16		16 15	04A	33667	7.0%		1.75					
17		17 16	05A	33324	6.0%		1.68					
18		18 17	06A	12043	18.5%	4/1/08	3.50 2.50					
19		18	0803527-01A	12939	5.0%	↓	1.61	↓				
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Comments:

[signature]
Signature

4/1/08
Date

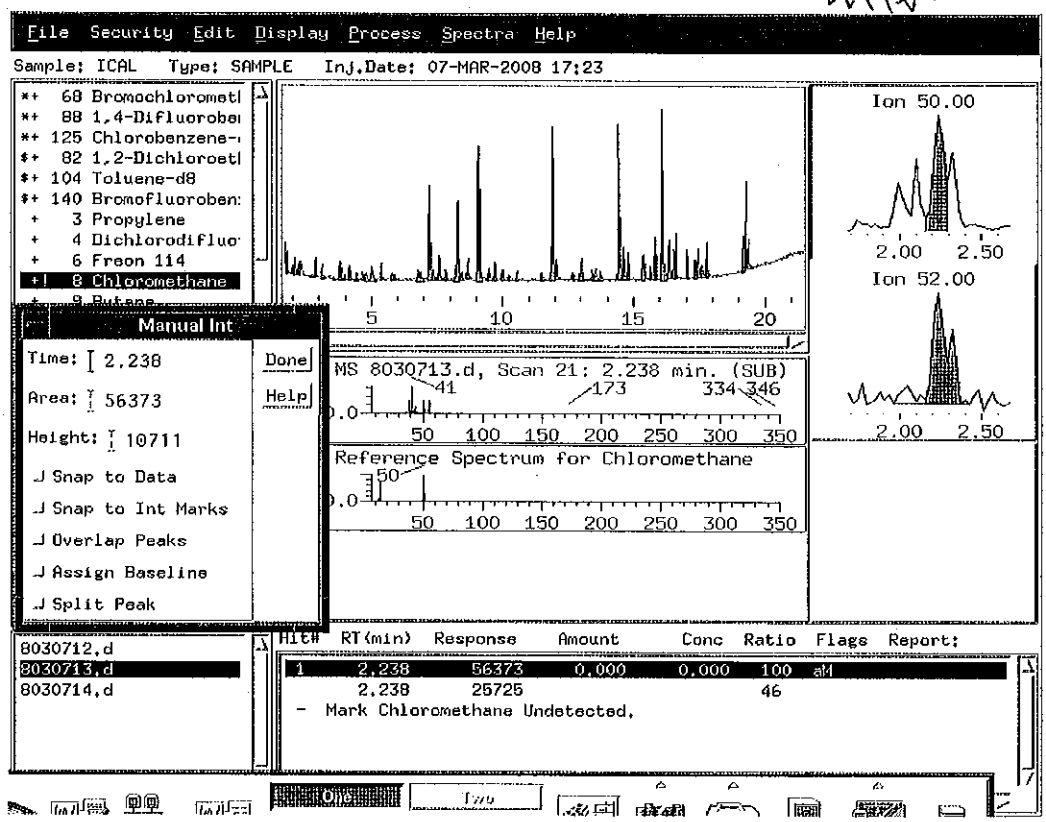
Before


File Security Edit Display Process Spectra Help
Sample: ICAL Type: SAMPLE Inj.Date: 07-MAR-2008 17:23
*+ 68 Bromochlorometl
*+ 88 1,4-Difluorobe
*+ 125 Chlorobenzene-
$+ 82 1,2-Dichloroetl
$+ 104 Toluene-d8
$+ 140 Bromofluoroben
+ 3 Propylene
+ 4 Dichlorodifluo
+ 6 Freon 114
+ 8 Chloromethane
+ 9 Butane
+ 11 Vinyl Chloride
+ 10 1,3-Butadiene
+ 13 Bromomethane
+ 16 Chloroethane
+ 15 Isopentane
+ 18 Trichlorofluor
+ 23 Ethanol
+ 28 Freon 113
+ 29 1,1-Dichloroetl
+ 30 Acetone
+ 33 Carbon Disulfi
+ 34 2-Propanol
+ 37 3-Chloropropen
+ 38 tert-Butyl-Alc
5 10 15 20
HP MS 8030713.d, Scan 21; 2.238 min. (SUB)
41 173 334 346
0.0
50 100 150 200 250 300 350
Reference Spectrum for Chloromethane
50
0.0
50 100 150 200 250 300 350
Ion 50.00
2.00 2.50
Ion 52.00
2.00 2.50
8030712.d
8030713.d
8030714.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
2,044 3789 20
2 2,099 17585 0.000 0.000 100 a
2,044 3789 22
3 2,238 74810 0.000 0.000 100 a
2,238 25725 34
One
Two

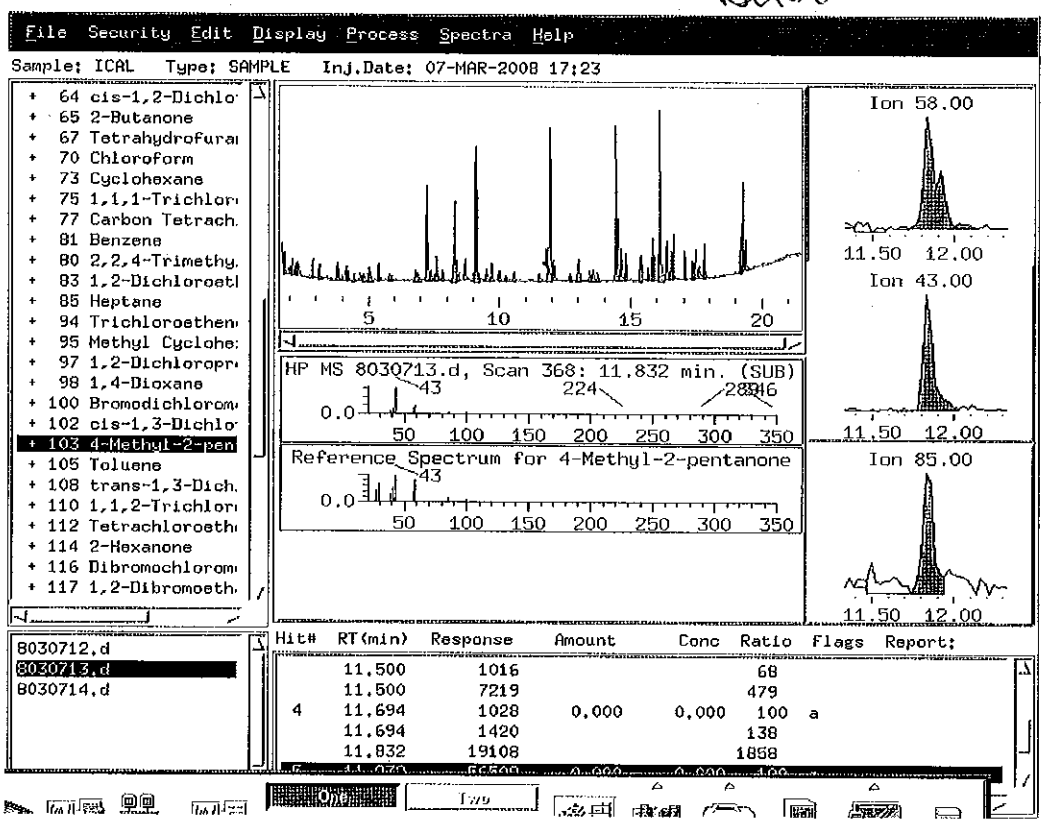
Team VOC

Date / Initial	3/10/08 / CB
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peak	X

after



Before

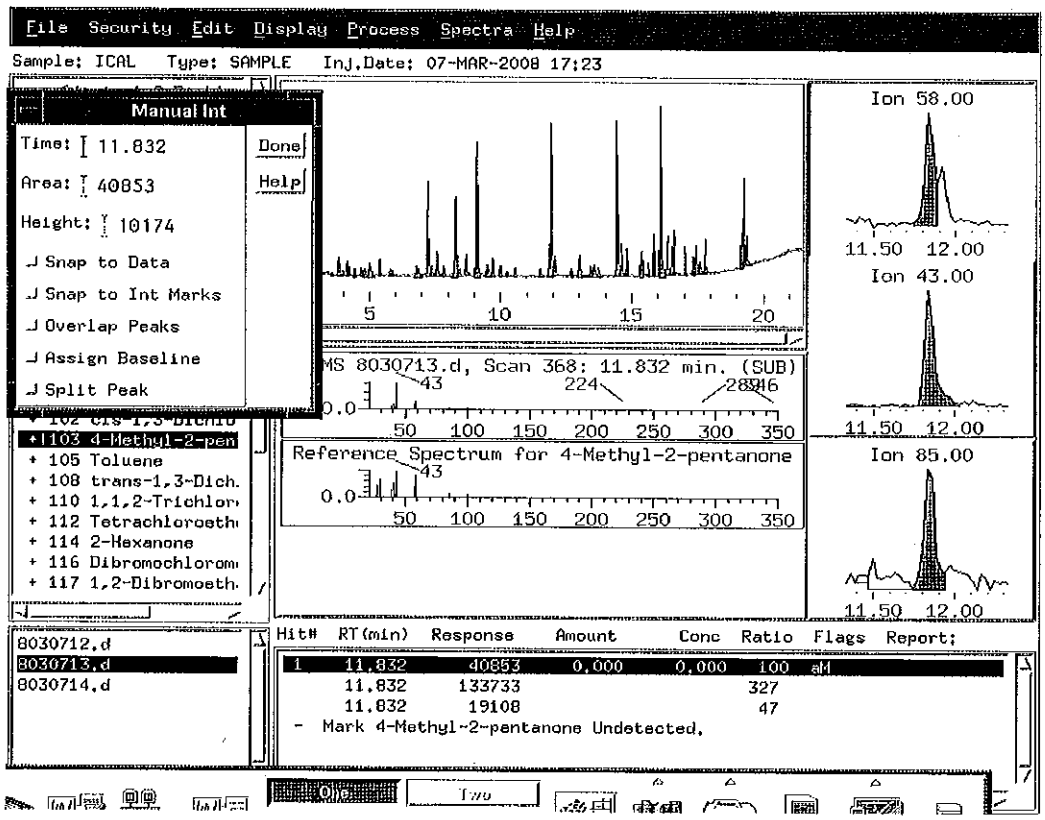

File Security Edit Display Process Spectra Help
Sample: ICAL Type: SAMPLE Inj.Date: 07-MAR-2008 17:23
64 cis-1,2-Dichlo
65 2-Butanone
67 Tetrahydrofura
70 Chloroform
73 Cyclohexane
75 1,1,1-Trichlor
77 Carbon Tetrach.
81 Benzene
80 2,2,4-Trimethy.
83 1,2-Dichloroetl
85 Heptane
94 Trichloroethen
95 Methyl Cyclohe:
97 1,2-Dichloropr
98 1,4-Dioxane
100 Bromodichlorom
102 cis-1,3-Dichlo
103 4-Methyl-2-pen
105 Toluene
108 trans-1,3-Dich.
110 1,1,2-Trichlor
112 Tetrachloroeth
114 2-Hexanone
116 Dibromochlorom
117 1,2-Dibromoeth
HP MS 8030713.d, Scan 368: 11.832 min. (SUB)
Reference Spectrum for 4-Methyl-2-pentanone
Ion 58.00
Ion 43.00
Ion 85.00
11.50 12.00
8030712.d
8030713.d
8030714.d
Hit# RT(min) Response Amount Conc Ratio Flags Report:
11.500 1016 68
11.500 7219 479
4 11.694 1028 0.000 0.000 100 a
11.694 1420 138
11.832 19108 1858

Team VOC

Date / Initial	3/10/08 / CB
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	X

NC

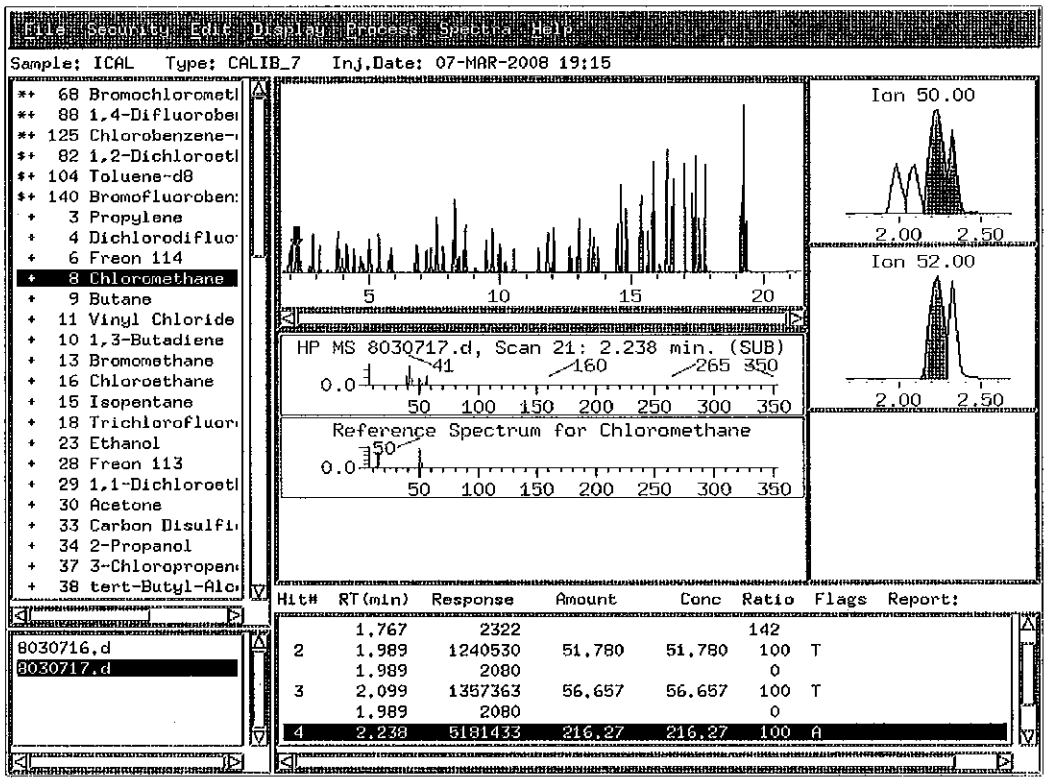
after



Team A

Date/Initial	3-11-08 CR
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	
Missed Peak	
Merged Peaks	X

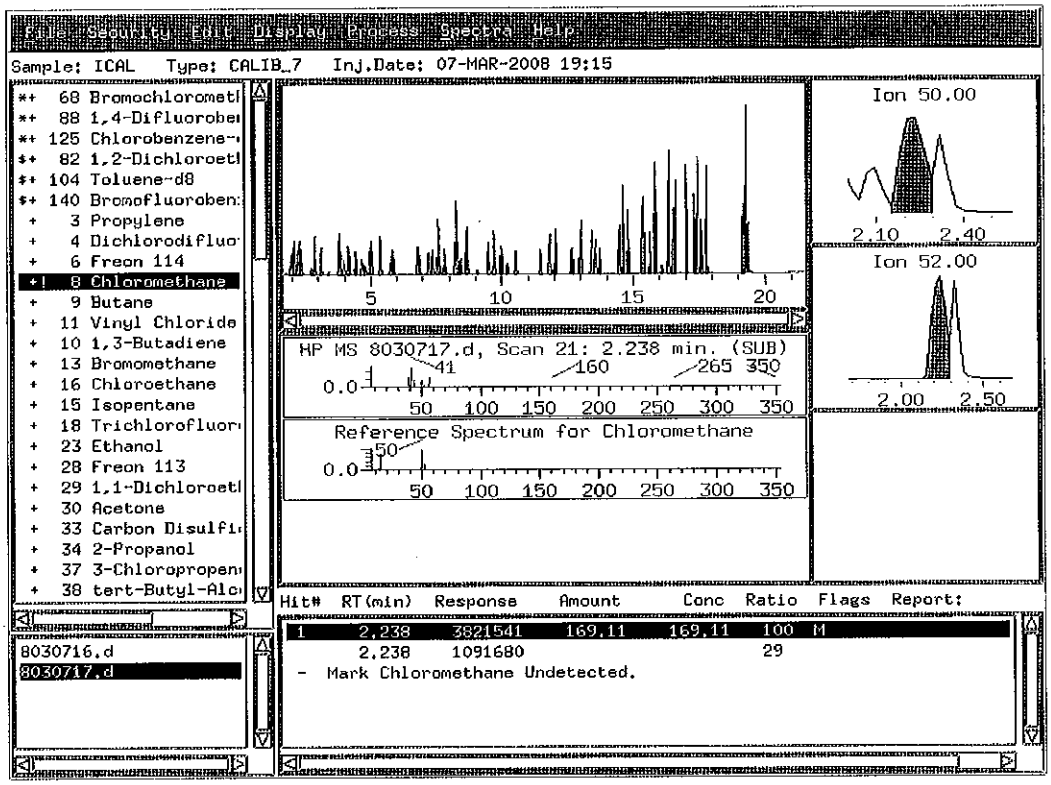
Before



Team A

Date/Initial	3-11-08 GP.
Poor Integration	
Split Peak	
Peak Tailing	
Background Subtraction	
Zoom In	X
Missed Peak	
Merged Peaks	

a. Flow



Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-8 on 3-07-2008. The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration: Chloroform, Benzene, Cumene, and Styrene.

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

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

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

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

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-10mar.b/8031006.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 10-MAR-2008 13:21
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-259
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-10mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:46 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 19:15 Cal File: 8030717.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

	RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.215	7.242 (1.000)	130	335406	25.0000		80.00- 120.00	100.00
	7.215	7.215 (1.000)	128	260756			47.65- 107.65	77.74
	7.215	7.215 (1.000)	49	703584			180.08- 240.08	209.77
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.095	9.095 (1.000)	114	1531784	25.0000		80.00- 120.00	100.00
	9.095	9.095 (1.000)	88	250621			0.00- 46.29	16.36
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.431	14.431 (1.000)	117	937283	25.0000		80.00- 120.00	100.00
	14.431	14.431 (1.000)	82	595561			0.00- 30.00	63.54
$	82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
	8.293	8.293 (1.149)	65	565798	23.9362	23.936	80.00- 120.00	100.00
	8.293	8.293 (1.149)	67	320527			0.00- 30.00	56.65
$	104 Toluene-d8					CAS #: 2037-26-5		
	11.915	11.915 (1.310)	98	1418108	24.4842	24.484	80.00- 120.00	100.00
	11.915	11.915 (1.310)	70	151994			0.00- 30.00	10.72

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	1050404			0.00- 30.00	74.07
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	606449	25.7629	25.763	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	806904			104.01- 164.01	133.05
16.090	16.090 (1.115)	176	585420			68.28- 128.28	96.53
3 Propylene					CAS #: 115-07-1		
1.933	1.961 (0.268)	41	980734	50.5917	50.592	80.00- 120.00	100.00
1.933	1.961 (0.268)	42	647487			0.00- 30.00	66.02
1.933	1.961 (0.268)	39	691157			0.00- 30.00	70.47
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	2.016 (0.276)	85	2139952	44.5368	44.537	80.00- 120.00	100.00
1.989	2.016 (0.276)	87	697045			0.00- 30.00	32.57
6 Freon 114					CAS #: 76-14-2		
2.072	2.099 (0.287)	135	1429046	43.7308	43.731	80.00- 120.00	100.00
2.072	2.099 (0.287)	137	447641			1.90- 61.90	31.32
8 Chloromethane					CAS #: 74-87-3		
2.182	2.210 (0.302)	50	1073761	44.9060	44.906	80.00- 120.00	100.00
2.210	2.210 (0.306)	52	328707			0.00- 30.00	30.61
11 Vinyl Chloride					CAS #: 75-01-4		
2.321	2.348 (0.322)	62	1059948	42.9646	42.965	80.00- 120.00	100.00
2.321	2.348 (0.322)	64	315003			0.00- 30.00	29.72
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.348 (0.322)	54	916443	43.8831	43.883	80.00- 120.00	100.00
2.321	2.348 (0.322)	39	1067875			0.00- 30.00	116.52
13 Bromomethane					CAS #: 74-83-9		
2.735	2.763 (0.379)	94	721860	48.0105	48.010	80.00- 120.00	100.00
2.735	2.763 (0.379)	96	682817			65.12- 125.12	94.59
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	560984	46.9149	46.915	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	161236			0.00- 30.00	28.74
2.846	2.846 (0.394)	66	167086			0.00- 30.00	29.78
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	2288273	44.7303	44.730	80.00- 120.00	100.00
3.122	3.122 (0.433)	103	1468416			37.53- 97.53	64.17

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	498916	49.4992	49.499	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	103003			0.00- 30.00	20.65
3.399	3.427 (0.471)	46	191100			0.00- 30.00	38.30
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	1317156	49.4388	49.439	80.00- 120.00	100.00
3.814	3.814 (0.529)	153	836122			33.07- 93.07	63.48
3.814	3.814 (0.529)	101	1823554			106.33- 166.33	138.45
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1833053	47.1617	47.162	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	890806			19.60- 79.60	48.60
3.841	3.841 (0.532)	98	571550			2.38- 62.38	31.18
30 Acetone					CAS #: 67-64-1		
3.980	3.980 (0.552)	58	568013	46.3171	46.317	80.00- 120.00	100.00
3.980	3.980 (0.552)	43	2111600			0.00- 30.00	371.75
34 2-Propanol					CAS #: 67-63-0		
4.145	4.173 (0.575)	45	2391284	49.7639	49.764	80.00- 120.00	100.00
4.145	4.173 (0.575)	43	482156			0.00- 30.00	20.16
4.145	4.173 (0.575)	59	86466			0.00- 30.00	3.62
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.173 (0.575)	76	2767219	45.5605	45.560	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.450 (0.613)	76	496866	52.4607	52.461	80.00- 120.00	100.00
4.422	4.450 (0.613)	41	1847920			0.00- 30.00	371.92
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1515878	46.9447	46.945	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	835842			26.65- 86.65	55.14
4.671	4.671 (0.647)	51	439814			0.00- 30.00	29.01
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	2425817	53.3129	53.313	80.00- 120.00	100.00
5.003	5.003 (0.693)	57	676143			0.00- 58.89	27.87
5.003	5.003 (0.693)	41	761072			0.00- 30.00	31.37
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.058 (0.697)	96	996577	45.0407	45.041	80.00- 120.00	100.00
5.030	5.058 (0.697)	61	1741192			146.82- 206.82	174.72
5.030	5.058 (0.697)	98	627848			0.00- 30.00	63.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.362	5.390 (0.743)	57	2154052	46.3641	46.364	80.00- 120.00	100.00
5.362	5.390 (0.743)	43	1504623			0.00- 30.00	69.85
5.390	5.390 (0.747)	86	285397			0.00- 30.00	13.25
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.804 (0.801)	63	2153537	48.8288	48.829	80.00- 120.00	100.00
5.777	5.804 (0.801)	65	659573			1.59- 61.59	30.63
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.887 (0.812)	86	243967	49.5759	49.576	80.00- 120.00	100.00
5.860	5.887 (0.812)	43	3587705			0.00- 30.00	1470.57
5.860	5.887 (0.812)	42	284221			0.00- 30.00	116.50
65 2-Butanone					CAS #: 78-93-3		
6.827	6.855 (0.946)	72	505512	47.0456	47.046	80.00- 120.00	100.00
6.827	6.855 (0.946)	43	2774267			524.04- 584.04	548.80
6.827	6.855 (0.946)	57	192334			0.00- 30.00	38.05
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1588200	46.0240	46.024	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	976052			31.25- 91.25	61.46
6.800	6.800 (0.942)	98	622023			9.83- 69.83	39.17
67 Tetrahydrofuran					CAS #: 109-99-9		
7.215	7.215 (1.000)	42	1626928	43.3529	43.353	80.00- 120.00	100.00
7.215	7.215 (1.000)	71	455341			0.00- 57.84	27.99
7.215	7.215 (1.000)	72	519482			0.00- 30.00	31.93
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1939384	43.9242	43.924	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	1201570			32.34- 92.34	61.96
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	1924562	45.3959	45.396	80.00- 120.00	100.00
7.602	7.602 (1.054)	99	1217893			33.37- 93.37	63.28
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1478364	45.4015	45.401	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	2074778			113.79- 173.79	140.34
7.574	7.574 (1.050)	41	1246937			56.45- 116.45	84.35
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1691456	49.6846	49.684	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1726552			73.53- 133.53	102.07

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	6374374	45.3832	45.383	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	2006120			0.00- 30.00	31.47
8.265	8.293 (1.146)	41	1782778			0.00- 30.00	27.97
81 Benzene					CAS #: 71-43-2		
8.238	8.265 (0.906)	78	3100131	42.3404	42.340	80.00- 120.00	100.00
8.238	8.265 (0.906)	77	718395			0.00- 30.00	23.17
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1473488	48.0718	48.072	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	476340			0.00- 30.00	32.33
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	330597	43.0609	43.061	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2604172			0.00- 30.00	787.72
8.680	8.680 (0.954)	71	1134154			0.00- 30.00	343.06
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.509 (1.043)	95	1204900	42.7190	42.719	80.00- 120.00	100.00
9.482	9.509 (1.043)	130	1157044			61.04- 121.04	96.03
9.482	9.509 (1.043)	97	761575			34.04- 94.04	63.21
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	10.007 (1.097)	63	1191120	42.9839	42.984	80.00- 120.00	100.00
9.979	10.007 (1.097)	62	815411			38.63- 98.63	68.46
9.979	10.007 (1.097)	41	843754			40.61- 100.61	70.84
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	665113	48.5807	48.581	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	570185			56.66- 116.66	85.73
10.228	10.228 (1.125)	57	184737			0.00- 30.00	27.78
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1889626	46.4900	46.490	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	1168555			31.31- 91.31	61.84
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.473	11.500 (1.261)	75	1504792	44.7736	44.774	80.00- 120.00	100.00
11.473	11.500 (1.261)	77	465999			0.00- 59.87	30.97
11.473	11.500 (1.261)	39	1048124			39.72- 99.72	69.65
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	1031712	44.4636	44.464	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	2969245			0.00- 30.00	287.80
11.832	11.832 (1.301)	85	389934			0.00- 30.00	37.79

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	3335117	48.5675	48.567	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1957944			29.53- 89.53	58.71
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1480551	53.0789	53.079	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	468314			1.18- 61.18	31.63
12.689	12.689 (0.879)	39	1012369			36.80- 96.80	68.38
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	1053321	48.6616	48.662	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	636445			31.59- 91.59	60.42
12.966	12.993 (0.898)	83	928352			58.56- 118.56	88.14
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	1428189	47.0131	47.013	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	1003354			41.98- 101.98	70.25
13.021	13.021 (0.902)	131	969469			38.71- 98.71	67.88
114 2-Hexanone					CAS #: 591-78-6		
13.408	13.436 (0.929)	58	1352536	50.0387	50.039	80.00- 120.00	100.00
13.408	13.436 (0.929)	43	2751703			179.15- 239.15	203.45
13.436	13.436 (0.931)	100	226629			0.00- 30.00	16.76
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1586193	49.5000	49.500	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1242054			0.00- 30.00	78.30
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1600498	45.1938	45.194	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1475293			63.77- 123.77	92.18
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2473811	45.5975	45.598	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	779316			3.02- 63.02	31.50
14.486	14.486 (1.004)	77	1550468			33.09- 93.09	62.68
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	1341287	48.7085	48.708	80.00- 120.00	100.00
14.625	14.625 (1.013)	91	4433308			0.00- 30.00	330.53
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1623382	46.1399	46.140	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3591069			0.00- 30.00	221.21
132 o-Xylene					CAS #: 95-47-6		
15.343	15.371 (1.063)	106	1585512	46.9441	46.944	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.343	15.343 (1.063)	91	3508853			185.59- 245.59	221.31
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	2733346	47.0809	47.081	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1389906			24.42- 84.42	50.85
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	1613802	56.4294	56.429	80.00- 120.00	100.00
15.648	15.648 (1.084)	171	832393			22.63- 82.63	51.58
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2371610	47.8118	47.812	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1435522			31.68- 91.68	60.53
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	4677059	49.1312	49.131	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1339657			0.07- 60.07	28.64
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	4236221	44.7021	44.702	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	2009018			0.00- 30.00	47.42
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	4103840	47.4243	47.424	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1732036			11.23- 71.23	42.21
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.362 (1.201)	146	2432447	47.7520	47.752	80.00- 120.00	100.00
17.334	17.362 (1.201)	148	1522908			0.00- 30.00	62.61
17.334	17.334 (1.201)	111	1106073			0.00- 30.00	45.47
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	3049682	46.7186	46.718	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1938648			0.00- 30.00	63.57
17.445	17.445 (1.209)	111	1284065			0.00- 30.00	42.10
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.583	17.611 (1.218)	91	3653894	58.0387	58.039	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	686863			0.00- 30.00	18.80
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2695887	47.0801	47.080	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1666529			32.65- 92.65	61.82
17.804	17.804 (1.234)	111	1208417			17.73- 77.73	44.82

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	2029837	44.9518	44.952	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	1964780			65.55- 125.55	96.79
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1977685	47.3286	47.328	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	1265251			33.67- 93.67	63.98
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	6390408	52.4214	52.421	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1346407			0.00- 30.00	21.07
16.366	16.366 (1.134)	105	222136			0.00- 30.00	3.48
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	5146473	47.8055	47.805	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1260743			0.00- 30.00	24.50
15.841	15.841 (1.098)	51	641663			0.00- 30.00	12.47
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	4307109	47.6045	47.604	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	547348			0.00- 30.00	12.71
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	1607254	46.1249	46.125	80.00- 120.00	100.00
4.809	4.809 (0.667)	41	416032			0.00- 30.00	25.88
4.809	4.809 (0.667)	57	171330			0.00- 30.00	10.66
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	230493	44.6510	44.651	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1987690			0.00- 30.00	862.36
15 Isopentane					CAS #: 78-78-4		
2.846	2.874 (0.394)	43	1678592	45.3818	45.382	80.00- 120.00	100.00
2.846	2.874 (0.394)	57	1012860			0.00- 30.00	60.34
2.874	2.874 (0.398)	72	101184			0.00- 30.00	6.03
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.731 (1.345)	83	1921228	44.5635	44.564	80.00- 120.00	100.00
9.703	9.731 (1.345)	98	866600			0.00- 30.00	45.11
9.703	9.731 (1.345)	55	1921532			0.00- 30.00	100.02

Report Date: 11-Mar-2008 12:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8031006.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-10mar.b/t14q307a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 10-MAR-2008
Calibration Time: 12:53
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	406383	243830	568936	335406	-17.47
88 1,4-Difluorobenze	1823270	1093962	2552578	1531784	-15.99
125 Chlorobenzene-d5	1101562	660937	1542187	937283	-14.91

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.24	6.91	7.57	7.21	-0.38
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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: 11-Mar-2008 12:47

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-10mar
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /chem/msd8.i/8-10mar.b/t14q307a.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	47.081	94.16	70-130
108 trans-1,3-Dichloro	50.000	53.079	106.16	70-130
3 Propylene	50.000	50.592	101.18	60-140
4 Dichlorodifluorome	50.000	44.537	89.07	70-130
6 Freon 114	50.000	43.731	87.46	70-130
8 Chloromethane	50.000	44.906	89.81	70-130
11 Vinyl Chloride	50.000	42.965	85.93	70-130
10 1,3-Butadiene	50.000	43.883	87.77	60-140
13 Bromomethane	50.000	48.010	96.02	70-130
16 Chloroethane	50.000	46.915	93.83	70-130
18 Trichlorofluoromet	50.000	44.730	89.46	70-130
23 Ethanol	50.000	49.499	99.00	60-140
28 Freon 113	50.000	49.439	98.88	70-130
29 1,1-Dichloroethene	50.000	47.162	94.32	70-130
30 Acetone	50.000	46.317	92.63	60-140
33 Carbon Disulfide	50.000	45.560	91.12	60-140
34 2-Propanol	50.000	49.764	99.53	60-140
40 Methylene Chloride	50.000	46.945	93.89	70-130
43 MTBE	50.000	53.313	106.63	60-140
45 trans-1,2-Dichloro	50.000	45.041	90.08	60-140
46 Hexane	50.000	46.364	92.73	60-140
54 1,1-Dichloroethane	50.000	48.829	97.66	70-130
55 Vinyl Acetate	50.000	49.576	99.15	60-140
64 cis-1,2-Dichloroet	50.000	46.024	92.05	70-130
65 2-Butanone	50.000	47.046	94.09	60-140
67 Tetrahydrofuran	50.000	43.353	86.71	60-140
70 Chloroform	50.000	43.924	87.85	70-130
73 Cyclohexane	50.000	45.401	90.80	60-140
75 1,1,1-Trichloroeth	50.000	45.396	90.79	70-130
77 Carbon Tetrachlori	50.000	49.684	99.37	70-130
81 Benzene	50.000	42.340	84.68	70-130
83 1,2-Dichloroethane	50.000	48.072	96.14	70-130
85 Heptane	50.000	43.061	86.12	60-140

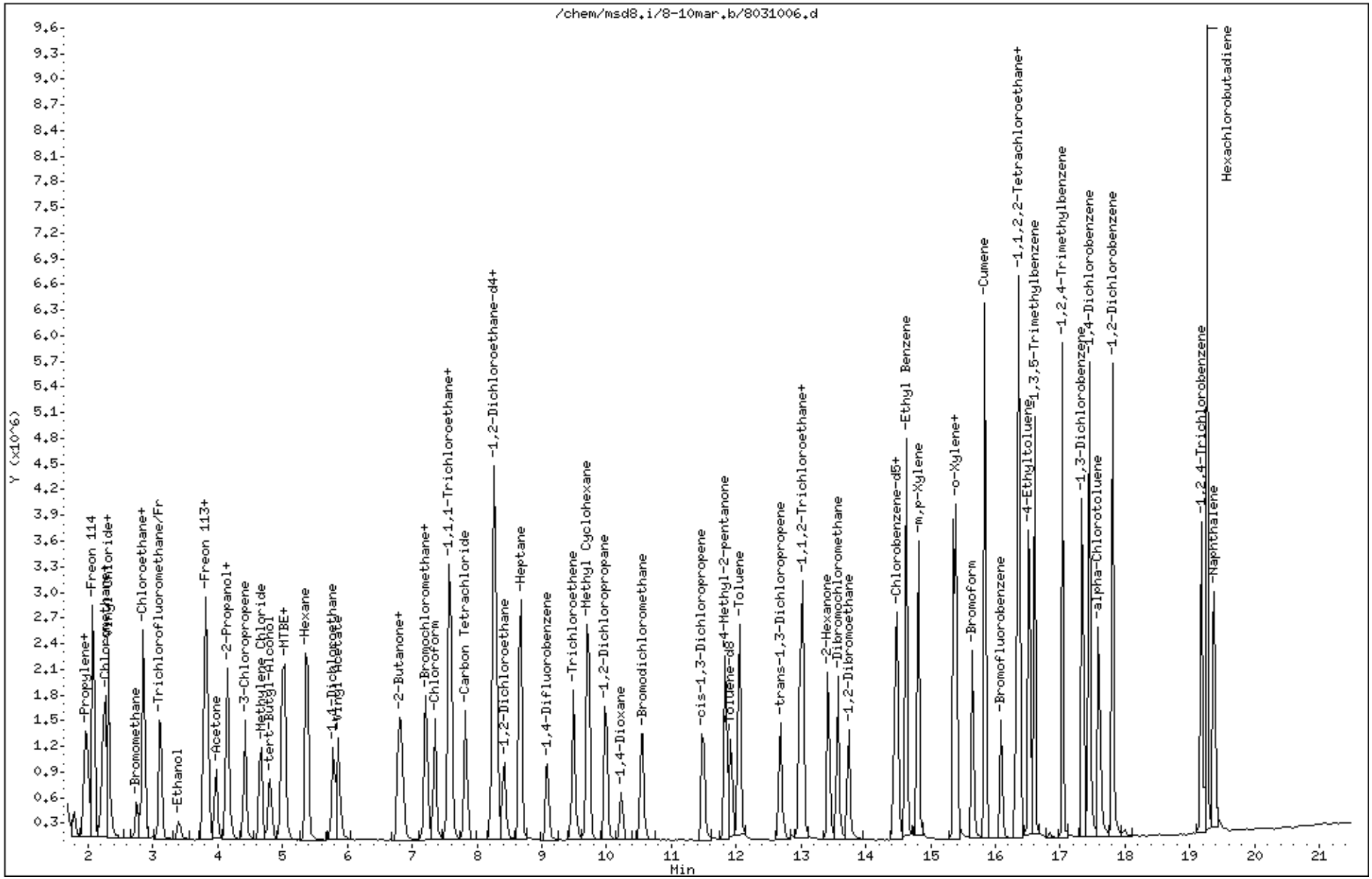
SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	42.719	85.44	70-130
97 1,2-Dichloropropan	50.000	42.984	85.97	70-130
98 1,4-Dioxane	50.000	48.581	97.16	60-140
100 Bromodichlorometha	50.000	46.490	92.98	60-140
102 cis-1,3-Dichloropr	50.000	44.774	89.55	70-130
103 4-Methyl-2-pentano	50.000	44.464	88.93	60-140
105 Toluene	50.000	48.567	97.13	70-130
110 1,1,2-Trichloroeth	50.000	48.662	97.32	70-130
112 Tetrachloroethene	50.000	47.013	94.03	70-130
114 2-Hexanone	50.000	50.039	100.08	60-140
116 Dibromochlorometha	50.000	49.500	99.00	60-140
117 1,2-Dibromoethane	50.000	45.194	90.39	70-130
126 Chlorobenzene	50.000	45.598	91.20	70-130
129 Ethyl Benzene	50.000	48.708	97.42	70-130
130 m,p-Xylene	50.000	46.140	92.28	70-130
132 o-Xylene	50.000	46.944	93.89	70-130
135 Bromoform	50.000	56.429	112.86	60-140
144 1,1,2,2-Tetrachlor	50.000	47.812	95.62	70-130
147 4-Ethyltoluene	50.000	49.131	98.26	60-140
148 1,3,5-Trimethylben	50.000	44.702	89.40	70-130
153 1,2,4-Trimethylben	50.000	47.424	94.85	70-130
156 1,3-Dichlorobenzen	50.000	47.752	95.50	70-130
157 1,4-Dichlorobenzen	50.000	46.718	93.44	70-130
158 alpha-Chlorotoluen	50.000	58.039	116.08	70-130
161 1,2-Dichlorobenzen	50.000	47.080	94.16	70-130
167 1,2,4-Trichloroben	50.000	44.952	89.90	70-130
168 Hexachlorobutadien	50.000	47.328	94.66	70-130
137 Cumene	50.000	47.805	95.61	60-140
145 Propylbenzene	50.000	52.421	104.84	60-140
37 3-Chloropropene	50.000	52.461	104.92	60-140
80 2,2,4-Trimethylpen	50.000	45.383	90.77	60-140
169 Naphthalene	50.000	47.604	95.21	60-140
9 Butane	50.000	44.651	89.30	70-130
15 Isopentane	50.000	45.382	90.76	70-130
95 Methyl Cyclohexane	50.000	44.564	89.13	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	23.936	95.74	70-130
$ 104 Toluene-d8	25.000	24.484	97.94	70-130
$ 140 Bromofluorobenzene	25.000	25.763	103.05	70-130

Data File: /chem/msd8.i/8-10mar.b/8031006.d
Date : 10-MAR-2008 13:21
Client ID: LCS-1
Sample Info: 50mL #1576-259

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030711.d
Lab Smp Id: ICAL Client Smp ID: Level 1
Inj Date : 07-MAR-2008 16:29
Operator : cb Inst ID: msd8.i
Smp Info : 0.2mL #1576-271
Misc Info : 0.2ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:25 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 16:29 Cal File: 8030711.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AFCEElow.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				AMOUNTS			
				CAL-AMT	ON-COL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane						CAS #: 74-97-5	
7.242	7.242 (1.000)	130	376174	25.0000		70.00- 130.00	100.00
7.242	7.242 (1.000)	128	288439			51.10- 111.10	76.68
7.215	7.215 (1.000)	49	812633			190.11- 250.11	216.03
* 88 1,4-Difluorobenzene						CAS #: 540-36-3	
9.095	9.095 (1.000)	114	1637174	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	280740			0.00- 46.84	17.15
* 125 Chlorobenzene-d5						CAS #: 3114-55-4	
14.431	14.431 (1.000)	117	980439	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	646995			0.00- 30.00	65.99
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0	
8.293	8.293 (1.145)	65	634101	25.0000	25.000	70.00- 130.00	100.00
8.293	8.293 (1.145)	67	317182			0.00- 30.00	50.02
$ 104 Toluene-d8						CAS #: 2037-26-5	
11.915	11.915 (1.310)	98	1524123	25.0000	25.000	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	168970			0.00- 30.00	11.09

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	1013561			0.00- 30.00	66.50
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	606986	25.0000	25.000	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	857966			98.22- 158.22	141.35
16.090	16.090 (1.115)	176	583199			66.33- 126.33	96.08
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.015)	83	12945	0.20000	0.2000	70.00- 130.00	100.00(a)
7.380	7.380 (1.019)	85	8836			31.36- 91.36	68.26
81 Benzene					CAS #: 71-43-2		
8.265	8.265 (0.909)	78	19854	0.20000	0.2000	70.00- 130.00	100.00(a)
8.265	8.265 (0.909)	77	6633			0.00- 30.00	33.41
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	15403	0.20000	0.2000	70.00- 130.00	100.00(a)
15.399	15.399 (1.067)	78	8588			24.12- 84.12	55.76
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	26884	0.20000	0.2000	70.00- 130.00	100.00(a)
15.841	15.841 (1.098)	120	13215			0.00- 30.00	49.16
15.841	15.841 (1.098)	51	5896			0.00- 30.00	21.93

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030711.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 0.2ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	376174	28.39
88 1,4-Difluorobenze	1382376	829426	1935326	1637174	18.43
125 Chlorobenzene-d5	855859	513515	1198203	980439	14.56

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.24	0.38
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

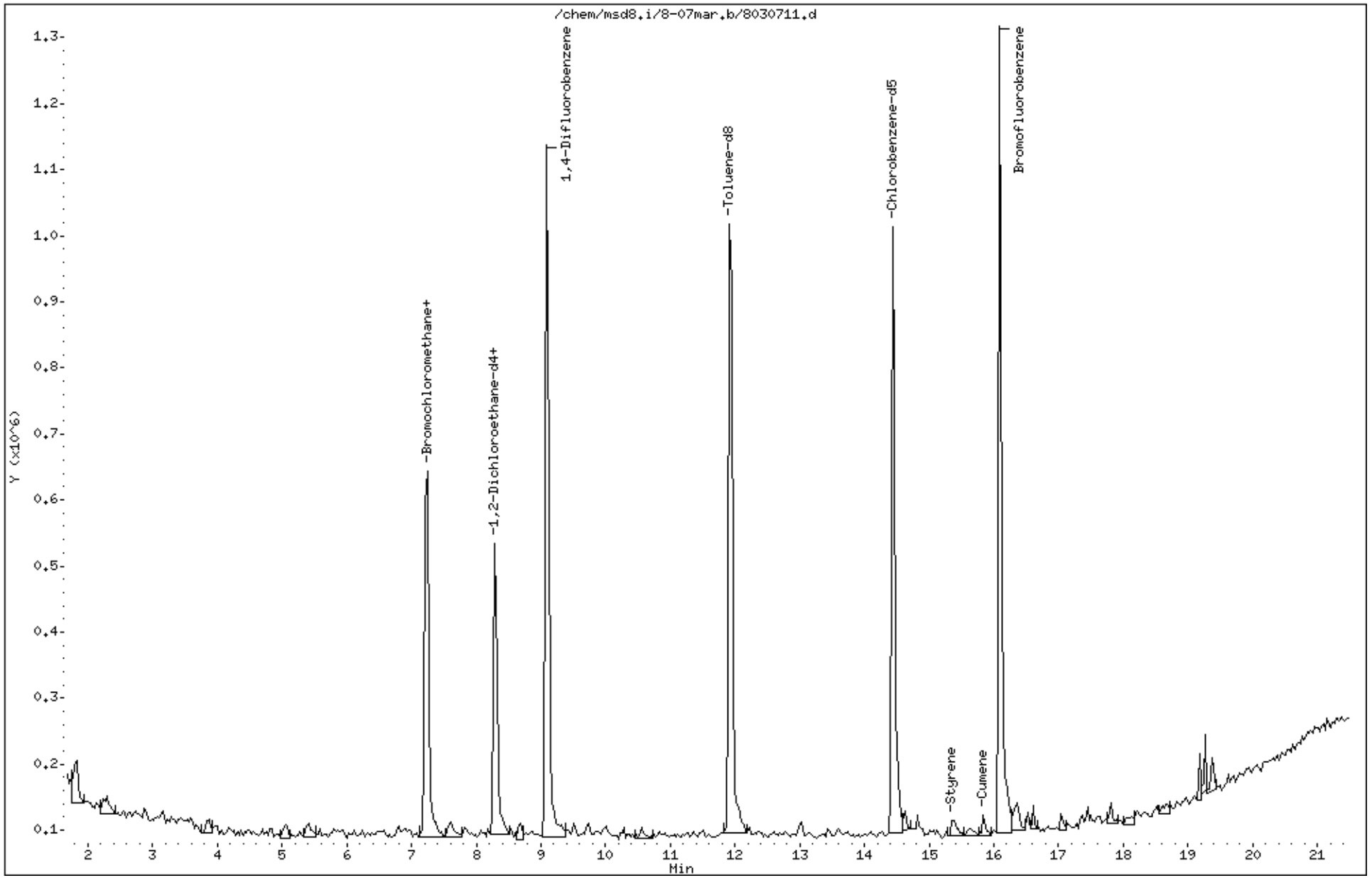
0083

Data File: /chem/msd8.i/8-07mar.b/8030711.d
Date : 07-MAR-2008 16:29
Client ID: Level 1
Sample Info: 0.2mL #1576-271

Column phase: RTx-624

Instrument: msd8.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030712.d
Lab Smp Id: ICAL Client Smp ID: Level 2
Inj Date : 07-MAR-2008 16:56
Operator : cb Inst ID: msd8.i
Smp Info : 0.5mL #1576-271
Misc Info : 0.5ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:25 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 16:56 Cal File: 8030712.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08Low.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	304799	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	226013			51.10- 111.10	74.15
7.214	7.214 (1.000)	49	661386			190.11- 250.11	216.99
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1369987	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	221874			0.00- 46.84	16.20
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	862807	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	548145			0.00- 30.00	63.53
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	525867	25.0000	25.290	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	260808			0.00- 30.00	49.60
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1321876	25.0000	25.447	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	144330			0.00- 30.00	10.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	827112			0.00- 30.00	62.57
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	511006	25.0000	24.446	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	707744			98.22- 158.22	138.50
16.090	16.090 (1.115)	176	498162			66.33- 126.33	97.49
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	25282	0.50000	0.5000	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	5792			0.00- 30.00	22.91
6 Freon 114					CAS #: 76-14-2		
2.127	2.127 (0.295)	135	20400	0.50000	0.5000	70.00- 130.00	100.00
2.127	2.127 (0.295)	137	7930			0.77- 60.77	38.87
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	16586	0.50000	0.5000	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	4852			0.00- 30.00	29.25
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.322)	54	12517	0.50000	0.5000	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	26067			0.00- 30.00	208.25
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	9369	0.50000	0.5000	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	7903			62.53- 122.53	84.35
16 Chloroethane					CAS #: 75-00-3		
2.874	2.874 (0.398)	64	6980	0.50000	0.5000	70.00- 130.00	100.00
2.874	2.874 (0.398)	49	1965			0.00- 30.00	28.15
2.846	2.846 (0.394)	66	1216			0.00- 30.00	17.42
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	30077	0.50000	0.5000	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	18801			33.78- 93.78	62.51
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	18788	0.50000	0.5000	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	10866			31.42- 91.42	57.83
3.814	3.814 (0.529)	101	23035			106.14- 166.14	122.60
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	24860	0.50000	0.5000	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	13368			18.83- 78.83	53.77
3.841	3.841 (0.532)	98	13441			1.92- 61.92	54.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.578)	76	36393	0.50000	0.5000	70.00- 130.00	100.00
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	19677	0.50000	0.5000	70.00- 130.00	100.00
4.671	4.671 (0.647)	84	10128			24.35- 84.35	51.47
4.698	4.698 (0.651)	51	8295			0.00- 30.00	42.16
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	23833	0.50000	0.5000	70.00- 130.00	100.00
5.003	5.003 (0.693)	57	8475			0.00- 57.94	35.56
5.003	5.003 (0.693)	41	11428			0.00- 30.00	47.95
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	13786	0.50000	0.5000	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	25463			150.61- 210.61	184.70
5.030	5.030 (0.697)	98	15305			0.00- 30.00	111.02
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	24957	0.50000	0.5000	70.00- 130.00	100.00
5.390	5.390 (0.747)	43	20364			0.00- 30.00	81.60
5.362	5.362 (0.743)	86	5877			0.00- 30.00	23.55
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.804	5.804 (0.805)	63	23799	0.50000	0.5000	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	8913			0.89- 60.89	37.45
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	6061	0.50000	0.5000	70.00- 130.00	100.00
6.883	6.883 (0.954)	43	35880			517.48- 577.48	591.98
6.744	6.744 (0.935)	57	2700			0.00- 30.00	44.55
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	20328	0.50000	0.5000	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	12898			31.12- 91.12	63.45
6.800	6.800 (0.942)	98	7361			8.63- 68.63	36.21
67 Tetrahydrofuran					CAS #: 109-99-9		
7.242	7.242 (1.004)	42	22638	0.50000	0.5000	70.00- 130.00	100.00
7.242	7.242 (1.004)	71	10824			0.00- 57.82	47.81
7.214	7.214 (1.000)	72	6974			0.00- 30.00	30.81
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	25447	0.50000	0.4925	70.00- 130.00	100.00(a)
7.353	7.353 (1.019)	85	13013			31.36- 91.36	51.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	27230	0.50000	0.5000	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	15996			34.31- 94.31	58.74
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	19569	0.50000	0.5000	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	27813			115.63- 175.63	142.13
7.574	7.574 (1.050)	41	18763			59.16- 119.16	95.88
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	17741	0.50000	0.5000	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	17218			74.65- 134.65	97.05
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	45257	0.50000	0.5214	70.00- 130.00	100.00
8.265	8.265 (0.909)	77	9114			0.00- 30.00	20.14
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	15508	0.50000	0.5000	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	11107			0.00- 30.00	71.62
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	5492	0.50000	0.5000	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	32338			0.00- 30.00	588.82
8.680	8.680 (0.954)	71	13905			0.00- 30.00	253.19
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	18129	0.50000	0.5000	70.00- 130.00	100.00
9.509	9.509 (1.046)	130	15156			61.96- 121.96	83.60
9.482	9.482 (1.043)	97	10816			34.32- 94.32	59.66
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	19101	0.50000	0.5000	70.00- 130.00	100.00
9.979	9.979 (1.097)	62	11316			38.59- 98.59	59.24
9.979	9.979 (1.097)	41	14411			38.06- 98.06	75.45
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	22508	0.50000	0.5000	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	16505			30.64- 90.64	73.33
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	22749	0.50000	0.5000	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	6252			1.21- 61.21	27.48
11.500	11.500 (1.264)	39	12967			40.75- 100.75	57.00
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	15479	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
103 4-Methyl-2-pentanone (continued)							
11.832	11.832 (1.301)	43	53590			0.00- 30.00	346.21
11.832	11.832 (1.301)	85	5927			0.00- 30.00	38.29
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	38769	0.50000	0.5000	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	19815			30.45- 90.45	51.11
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	11343	0.50000	0.5000	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	4227			2.64- 62.64	37.27
12.689	12.689 (0.879)	39	10221			39.55- 99.55	90.11
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	11412	0.50000	0.5000	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	7956			32.84- 92.84	69.72
12.966	12.966 (0.898)	83	14906			56.96- 116.96	130.62
112 Tetrachloroethene					CAS #: 127-18-4		
13.049	13.049 (0.904)	166	17515	0.50000	0.5000	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	14536			40.72- 100.72	82.99
13.021	13.021 (0.902)	131	13456			38.04- 98.04	76.83
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	11917	0.50000		70.00- 130.00	100.00(a)
13.436	13.436 (0.931)	43	27119			197.39- 257.39	227.57
13.408	13.408 (0.929)	100	2644			0.00- 30.00	22.19
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	20803	0.50000	0.5000	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	13683			0.00- 30.00	65.77
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	20336	0.50000	0.5000	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	17314			63.74- 123.74	85.14
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	32688	0.50000	0.5000	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	11890			1.99- 61.99	36.37
14.486	14.486 (1.004)	77	30721			33.13- 93.13	93.98
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	14466	0.50000	0.5000	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	48857			0.00- 30.00	337.74
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	17942	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
130 m,p-Xylene (continued)							
14.818	14.818 (1.027)	91	41582			0.00- 30.00	231.76
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	19657	0.50000	0.5000	70.00- 130.00	100.00
15.343	15.343 (1.063)	91	38472			194.61- 254.61	195.72
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	29817	0.50000	0.4680	70.00- 130.00	100.00(a)
15.399	15.399 (1.067)	78	14977			24.12- 84.12	50.23
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	14048	0.50000	0.5000	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	9783			20.77- 80.77	69.64
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	26284	0.50000	0.5000	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	18121			30.78- 90.78	68.94
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	47157	0.50000	0.5000	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	14562			0.00- 58.20	30.88
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	55990	0.50000	0.5000	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	28906			0.00- 30.00	51.63
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	48316	0.50000	0.5000	70.00- 130.00	100.00
17.058	17.058 (1.182)	120	19966			12.59- 72.59	41.32
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	32168	0.50000	0.5000	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	16873			0.00- 30.00	52.45
17.362	17.362 (1.203)	111	10954			0.00- 30.00	34.05
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	36824	0.50000	0.5000	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	21638			0.00- 30.00	58.76
17.445	17.445 (1.209)	111	16607			0.00- 30.00	45.10
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	25294	0.50000	0.5000	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	8486			0.00- 30.00	33.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	30392	0.50000	0.5000	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
161 1,2-Dichlorobenzene (continued)							
17.804	17.804 (1.234)	148	24281			32.70- 92.70	79.89
17.804	17.804 (1.234)	111	16478			16.47- 76.47	54.22
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	58286	0.50000	0.4963	70.00- 130.00	100.00(a)
15.841	15.841 (1.098)	120	17586			0.00- 30.00	30.17
15.841	15.841 (1.098)	51	6170			0.00- 30.00	10.59
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	64878	0.50000	0.5000	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	12920			0.00- 30.00	19.91
16.366	16.366 (1.134)	105	3060			0.00- 30.00	4.72
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	72981	0.50000	0.5000	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	24480			0.00- 30.00	33.54
8.265	8.265 (1.146)	41	22987			0.00- 30.00	31.50
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	24129	0.50000	0.5000	70.00- 130.00	100.00
9.703	9.703 (1.345)	98	10191			0.00- 30.00	42.24
9.703	9.703 (1.345)	55	27466			0.00- 30.00	113.83

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030712.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 0.5ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 2
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	304799	4.03
88 1,4-Difluorobenze	1382376	829426	1935326	1369987	-0.90
125 Chlorobenzene-d5	855859	513515	1198203	862807	0.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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/msd8.i/8-07mar.b/8030712.d

Date : 07-MAR-2008 16:56

Client ID: Level 2

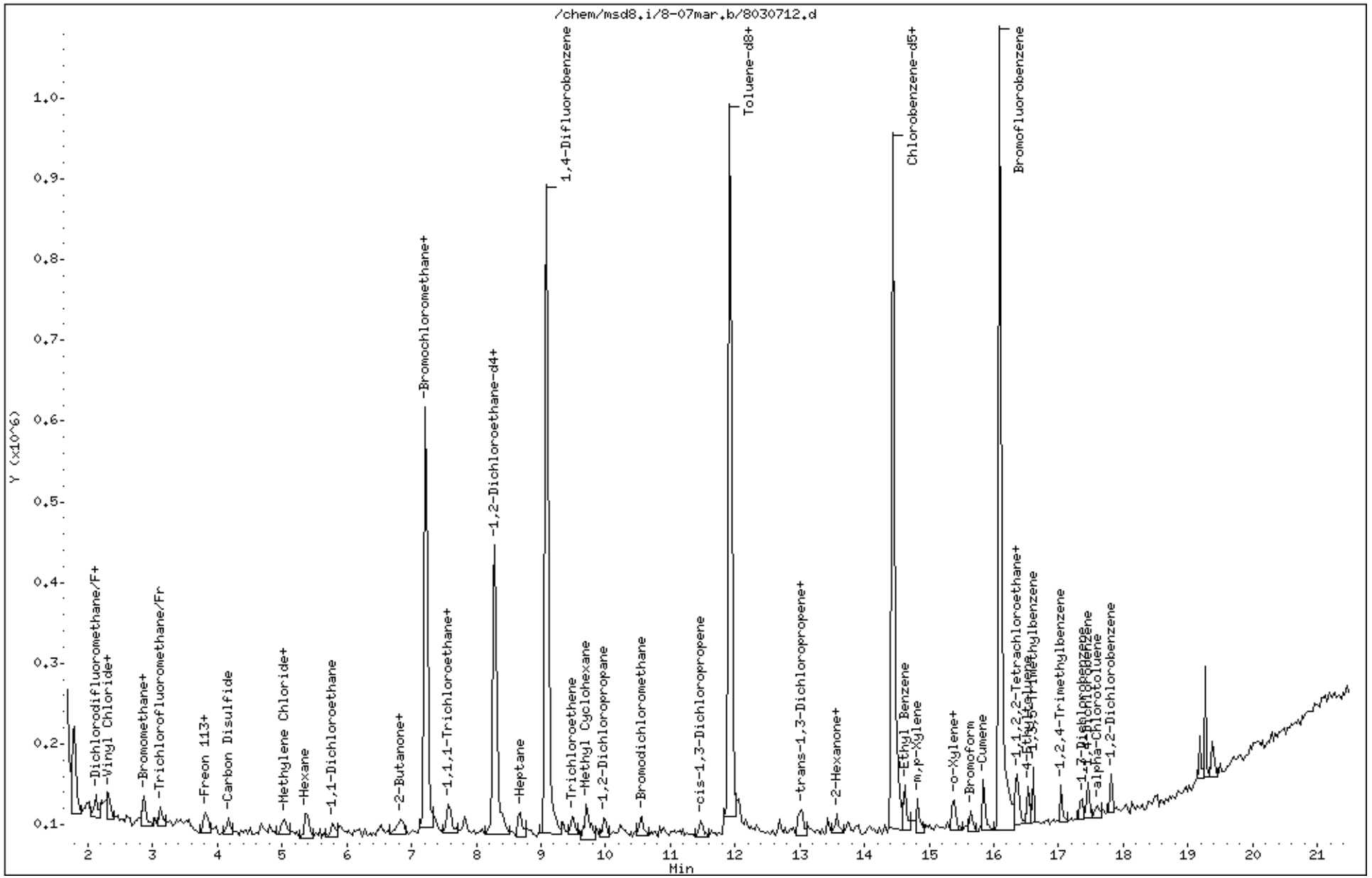
Sample Info: 0.5mL #1576-271

Column phase: RTx-624

Instrument: msd8.i

Operator: cb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-01apr.b/8040105.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 01-APR-2008 09:38
Operator : cb Inst ID: msd8.i
Smp Info : 2.0mL #1576-319
Misc Info : 2.0ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-01apr.b/t14q307c.m
Meth Date : 01-Apr-2008 11:00 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 09:38 Cal File: 8040105.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.214	7.214 (1.000)	130	252162	25.0000		70.00- 130.00		100.00
7.214	7.214 (1.000)	128	196871			44.71- 104.71		78.07
7.214	7.214 (1.000)	49	506308			174.97- 234.97		200.79
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1116297	25.0000		70.00- 130.00		100.00
9.095	9.095 (1.000)	88	180485			0.00- 46.06		16.17
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	674008	25.0000		70.00- 130.00		100.00
14.431	14.431 (1.000)	82	426715			0.00- 30.00		63.31
7 Isobutane						CAS #: 75-28-5		
2.127	2.127 (0.295)	43	119598	2.00000	2.854	70.00- 130.00		100.00
2.127	2.127 (0.295)	42	45800			0.00- 30.00		38.29
2.127	2.127 (0.295)	58	5078			0.00- 30.00		4.25
19 Pentane						CAS #: 109-66-0		
3.178	3.178 (0.440)	43	138363	2.00000	3.003	70.00- 130.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
19 Pentane (continued)							
3.178	3.178 (0.440)	57	18036			0.00- 30.00	13.04
3.178	3.178 (0.440)	72	11825			0.00- 30.00	8.55
25 Acrolein					CAS #: 107-02-8		
3.758	3.758 (0.521)	55	17503	2.00000	2.783	70.00- 130.00	100.00
3.758	3.758 (0.521)	56	23348			0.00- 30.00	133.39
35 Acetonitrile					CAS #: 75-05-8		
4.505	4.505 (0.624)	40	26130	2.00000	2.578	70.00- 130.00	100.00
4.505	4.505 (0.624)	41	60910			0.00- 30.00	233.10
4.505	4.505 (0.624)	38	5837			0.00- 30.00	22.34
41 Acrylonitrile					CAS #: 107-13-1		
5.141	5.141 (0.713)	53	42549	2.00000	2.578	70.00- 130.00	100.00
5.141	5.141 (0.713)	52	41729			0.00- 30.00	98.07
44 1-Pentene					CAS #: 109-67-1		
3.122	3.122 (0.433)	55	69465	2.00000	2.914	70.00- 130.00	100.00(T)
3.122	3.122 (0.433)	42	92842			0.00- 30.00	133.65
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
47 Ethyl Ether					CAS #: 60-29-7		
3.482	3.482 (0.483)	74	27663	2.00000	2.947	70.00- 130.00	100.00(T)
3.482	3.482 (0.483)	59	37289			0.00- 30.00	134.80
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
56 Iodomethane					CAS #: 74-88-4		
4.118	4.118 (0.571)	142	66980	2.00000	2.311	70.00- 130.00	100.00
4.118	4.118 (0.571)	127	27348			0.00- 30.00	40.83
62 1-Hexene					CAS #: 592-41-6		
5.251	5.251 (0.728)	55	45801	2.00000	2.844	70.00- 130.00	100.00
5.251	5.251 (0.728)	41	63949			0.00- 30.00	139.62
5.251	5.251 (0.728)	84	14634			0.00- 30.00	31.95
63 Methyl Acrylate					CAS #: 96-33-3		
6.993	6.993 (0.969)	55	77593	2.00000	2.336	70.00- 130.00	100.00
6.993	6.993 (0.969)	85	14595			0.00- 30.00	18.81
6.993	6.993 (0.969)	58	10413			0.00- 30.00	13.42
90 Methyl Methacrylate					CAS #: 80-62-6		
10.256	10.256 (1.128)	41	71121	2.00000	2.324	70.00- 130.00	100.00
10.256	10.256 (1.128)	69	38275			0.00- 30.00	53.82
10.283	10.283 (1.131)	100	18184			0.00- 30.00	25.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 2-Pentanone					CAS #: 107-87-9		
9.979	9.979 (1.097)	43	126456	2.00000	2.272	70.00- 130.00	100.00
9.979	9.979 (1.097)	58	9489			0.00- 30.00	7.50
9.979	9.979 (1.097)	86	18441			0.00- 30.00	14.58
93 Ethyl Acrylate					CAS #: 140-88-5		
9.813	9.813 (1.079)	55	80489	2.00000	2.052	70.00- 130.00	100.00
9.841	9.841 (1.082)	99	9781			0.00- 30.00	12.15
9.813	9.813 (1.079)	45	9957			0.00- 30.00	12.37
96 Dibromomethane					CAS #: 74-95-3		
10.228	10.228 (1.125)	174	50309	2.00000	2.710	70.00- 130.00	100.00
10.228	10.228 (1.125)	93	50949			0.00- 30.00	101.27
10.228	10.228 (1.125)	95	45654			0.00- 30.00	90.75
115 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
16.422	16.422 (1.138)	89	4704	2.00000	1.166	70.00- 130.00	100.00(a)
16.422	16.422 (1.138)	53	17694			0.00- 30.00	376.15
16.422	16.422 (1.138)	124	3498			0.00- 30.00	74.36
121 Alphamethylstyrene					CAS #: 98-83-9		
16.892	16.892 (1.171)	118	47503	2.00000	1.890	70.00- 130.00	100.00(a)
16.892	16.892 (1.171)	103	28433			0.00- 30.00	59.86
127 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.334	17.334 (1.201)	93	79649	2.00000	2.294	70.00- 130.00	100.00
17.334	17.334 (1.201)	95	20535			0.00- 30.00	25.78
17.334	17.334 (1.201)	63	62151			0.00- 30.00	78.03
128 Nonane					CAS #: 111-84-2		
14.846	14.846 (1.029)	43	125423	2.00000	2.458	70.00- 130.00	100.00
14.846	14.846 (1.029)	57	94869			0.00- 30.00	75.64
14.846	14.846 (1.029)	85	31068			0.00- 30.00	24.77

QC Flag Legend

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

Report Date: 01-Apr-2008 11:00

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040105.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-01apr.b/t14q307c.m
Misc Info: 2.0ppbv (200ppbv)

Calibration Date: 01-APR-2008
Calibration Time: 10:06
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	252808	151685	353931	252162	-0.26
88 1,4-Difluorobenze	1080017	648010	1512024	1116297	3.36
125 Chlorobenzene-d5	702161	421297	983025	674008	-4.01

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

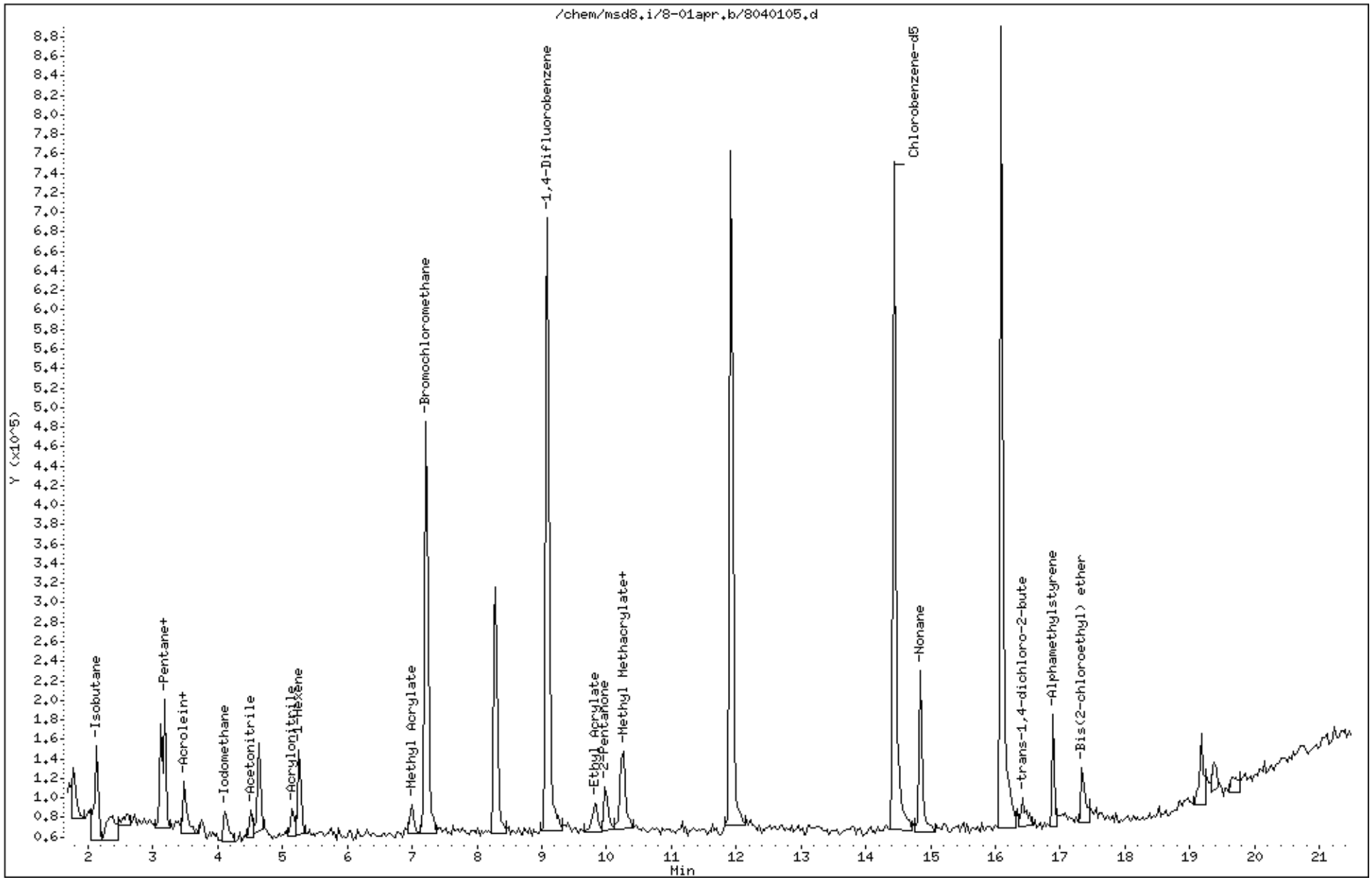
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd8.i/8-01apr.b/8040105.d
Date : 01-APR-2008 09:38
Client ID: Level 3
Sample Info: 2.0mL #1576-319

Column phase: RTx-624

Instrument: msd8.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032606.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 26-MAR-2008 11:09
Operator : ct Inst ID: msd8.i
Smp Info : 2.0mL #1541-67
Misc Info : 50ppbv (200ppbv) sp16b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 13:14 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 11:09 Cal File: 8032606.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.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
==	====== ========	====	========	=======	=======		============	=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.215	7.215 (1.000)	130	230912	25.0000			70.00- 130.00	100.00
7.215	7.215 (1.000)	128	185703				46.51- 106.51	80.42
7.215	7.215 (1.000)	49	501565				179.82- 239.82	217.21
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1063193	25.0000			70.00- 130.00	100.00
9.095	9.095 (1.000)	88	160782				0.00- 46.04	15.12
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	671100	25.0000			70.00- 130.00	100.00
14.431	14.431 (1.000)	82	425161				0.00- 30.00	63.35
36 Cyclopentene						CAS #: 142-29-0		
4.477	4.477 (0.621)	67	55548	2.00000	1.985		70.00- 130.00	100.00(a)
4.477	4.477 (0.621)	68	21971				0.00- 30.00	39.55
4.477	4.477 (0.621)	53	15858				0.00- 30.00	28.55
60 2,2-Dichloropropane						CAS #: 594-20-7		
6.745	6.745 (0.935)	77	21795	2.00000	1.390		70.00- 130.00	100.00(a)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
60 2,2-Dichloropropane (continued)							
6.745	6.745 (0.935)	79	10557			2.96- 62.96	48.44
6.745	6.745 (0.935)	97	4827			0.00- 30.00	22.15
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.906	7.906 (1.096)	110	17112	2.00000	2.474	70.00- 130.00	100.00
7.906	7.906 (1.096)	75	34590			0.00- 30.00	202.14
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.270	13.270 (1.459)	76	46148	2.00000	2.086	70.00- 130.00	100.00
13.270	13.270 (1.459)	41	38807			59.56- 119.56	84.09
13.270	13.270 (1.459)	78	13935			0.00- 30.00	30.20
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.625	14.625 (1.013)	131	32693	2.00000	2.100	70.00- 130.00	100.00
14.625	14.625 (1.013)	117	35313			0.00- 30.00	108.01
14.625	14.625 (1.013)	95	13391			0.00- 30.00	40.96
139 Bromobenzene					CAS #: 108-86-1		
16.256	16.256 (1.126)	156	41849	2.00000	2.184	70.00- 130.00	100.00
16.228	16.228 (1.125)	77	66885			146.23- 206.23	159.82
16.256	16.256 (1.126)	158	38307			0.00- 30.00	91.54
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.367	16.367 (1.134)	110	19023	2.00000	2.024	70.00- 130.00	100.00
16.367	16.367 (1.134)	61	18463			0.00- 30.00	97.06
16.367	16.367 (1.134)	112	16704			0.00- 30.00	87.81
143 2-Chlorotoluene					CAS #: 95-49-8		
16.477	16.477 (1.142)	126	27959	2.00000	1.900	70.00- 130.00	100.00(a)
16.477	16.477 (1.142)	91	89000			294.29- 354.29	318.32
16.477	16.477 (1.142)	65	10745			0.00- 30.00	38.43
146 4-Chlorotoluene					CAS #: 106-43-4		
16.643	16.643 (1.153)	126	31703	2.00000	2.106	70.00- 130.00	100.00
16.643	16.643 (1.153)	91	112124			284.06- 344.06	353.67
16.643	16.643 (1.153)	63	14484			0.00- 30.00	45.69
150 tert-Butylbenzene					CAS #: 98-06-6		
16.975	16.975 (1.176)	119	132287	2.00000	2.018	70.00- 130.00	100.00
16.975	16.975 (1.176)	134	30871			0.00- 53.09	23.34
16.975	16.975 (1.176)	91	68165			0.00- 30.00	51.53
151 Pentachloroethane					CAS #: 76-01-7		
17.030	17.030 (1.180)	167	26485	2.00000	1.856	70.00- 130.00	100.00(a)
17.002	17.002 (1.178)	117	29178			0.00- 30.00	110.17

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene					CAS #: 135-98-8		
17.224	17.224 (1.194)	105	137459	2.00000	1.867	70.00- 130.00	100.00(a)
17.224	17.224 (1.194)	134	30769			0.00- 49.20	22.38
17.224	17.224 (1.194)	91	21558			0.00- 30.00	15.68
154 p-Cymene					CAS #: 99-87-6		
17.362	17.362 (1.203)	134	26534	2.00000	1.695	70.00- 130.00	100.00(a)
17.362	17.362 (1.203)	119	112670			376.97- 436.97	424.63
17.362	17.362 (1.203)	91	27255			0.00- 30.00	102.72
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.473	17.473 (1.211)	120	37866	2.00000	1.810	70.00- 130.00	100.00(a)
17.473	17.473 (1.211)	105	94393			220.84- 280.84	249.28
17.473	17.473 (1.211)	77	12858			0.00- 30.00	33.96
159 Butylbenzene					CAS #: 104-51-8		
17.777	17.777 (1.232)	134	27966	2.00000	1.744	70.00- 130.00	100.00(a)
17.777	17.777 (1.232)	91	101999			309.60- 369.60	364.73
17.777	17.777 (1.232)	92	55150			0.00- 30.00	197.20
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.523	18.523 (1.284)	157	30026	2.00000	1.792	70.00- 130.00	100.00(a)
18.523	18.523 (1.284)	75	37968			83.00- 143.00	126.45
18.523	18.523 (1.284)	155	24411			0.00- 30.00	81.30

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8032606.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp16b

Calibration Date: 26-MAR-2008
Calibration Time: 11:36
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	235531	141319	329743	230912	-1.96
88 1,4-Difluorobenze	1044946	626968	1462924	1063193	1.75
125 Chlorobenzene-d5	691829	415097	968561	671100	-3.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

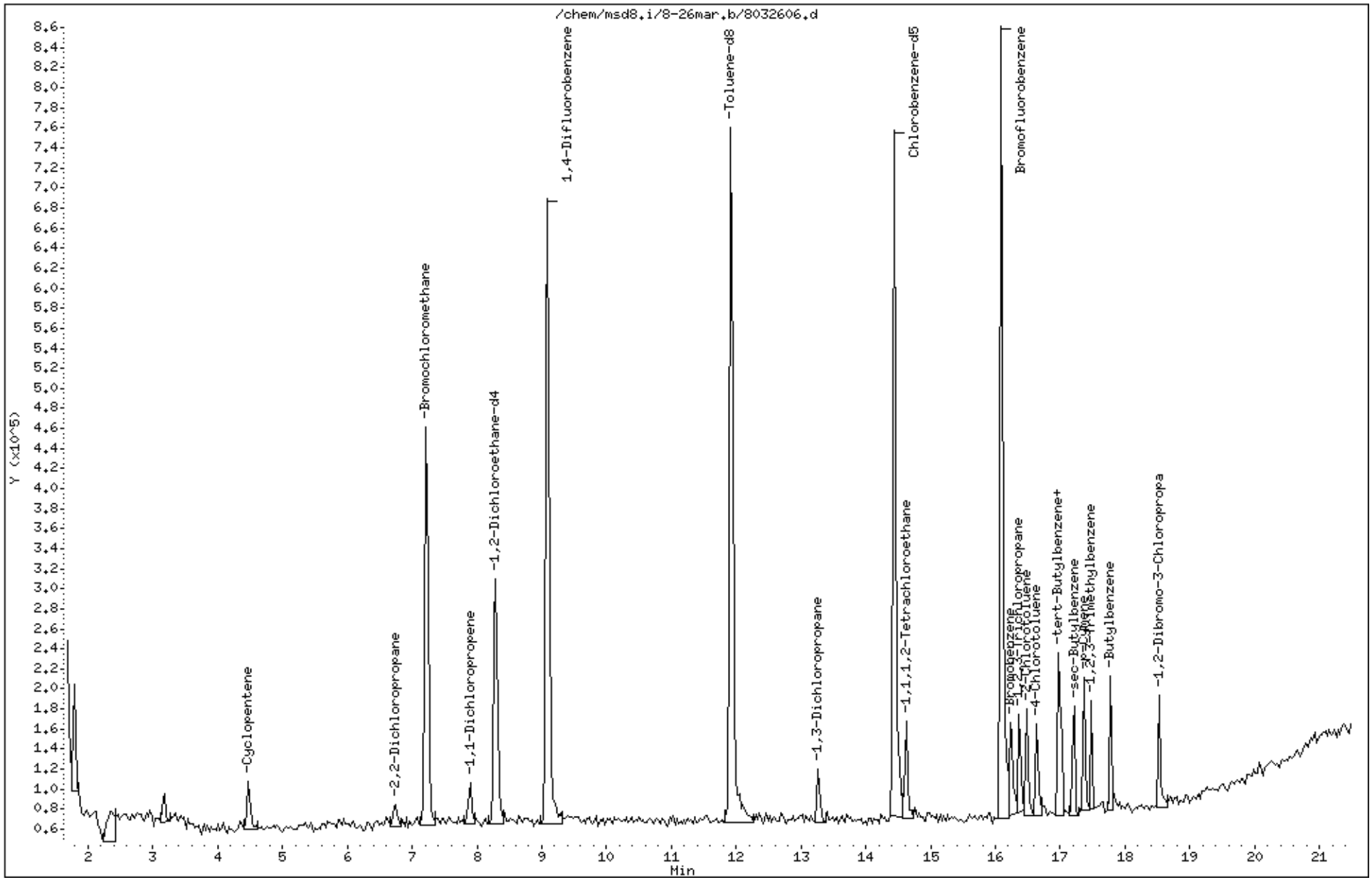
0102

Data File: /chem/msd8.i/8-26mar.b/8032606.d
Date : 26-MAR-2008 11:09
Client ID: Level 3
Sample Info: 2.0mL #1541-67

Instrument: msd8.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032602.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 26-MAR-2008 09:14
Operator : ct Inst ID: msd8.i
Smp Info : 2.0mL #1576-313
Misc Info : 50ppbv (200ppbv) sp20b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 12:43 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 09:14 Cal File: 8032602.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.242	7.242 (1.000)	130	286700	25.0000		70.00- 130.00		100.00
7.242	7.242 (1.000)	128	236014			49.67- 109.67		82.32
7.214	7.214 (1.000)	49	632511			190.56- 250.56		220.62
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1315375	25.0000		70.00- 130.00		100.00
9.095	9.095 (1.000)	88	200347			0.00- 46.24		15.23
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	815240	25.0000		70.00- 130.00		100.00
14.431	14.431 (1.000)	82	508690			0.00- 30.00		62.40
1 Freon 152a					CAS #: 75-37-6			
1.989	1.989 (0.275)	65	25449	2.00000	2.542	70.00- 130.00		100.00(H)
2.044	2.044 (0.282)	51	108689			0.00- 30.00		427.09
2 Freon 22					CAS #: 75-45-6			
2.044	2.044 (0.282)	67	10911	2.00000	2.516	70.00- 130.00		100.00
2.044	2.044 (0.282)	51	108689			0.00- 30.00		996.14

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.150	3.150 (0.435)	67	57429	2.00000	2.285	70.00- 130.00	100.00
3.150	3.150 (0.435)	69	20652			0.00- 30.00	35.96
3.178	3.178 (0.439)	35	1586			0.00- 30.00	2.76
20 Freon123a					CAS #: 354-23-4		
3.592	3.592 (0.496)	67	38776	2.00000	2.329	70.00- 130.00	100.00
3.592	3.592 (0.496)	117	25684			0.00- 30.00	66.24
21 Freon123					CAS #: 306-83-2		
3.703	3.703 (0.511)	83	3710	2.00000	2.073	70.00- 130.00	100.00
3.620	3.620 (0.500)	133	2100			0.00- 30.00	56.60
3.703	3.703 (0.511)	85	2498			0.00- 30.00	67.33
27 Freon142b					CAS #: 75-68-3		
2.182	2.182 (0.301)	65	51727	2.00000	1.847	70.00- 130.00	100.00(a)
2.182	2.182 (0.301)	45	16515			0.00- 30.00	31.93
32 Freon143a					CAS #: 420-46-2		
1.906	1.906 (0.263)	65	10977	2.00000	1.814	70.00- 130.00	100.00(a)
1.933	1.933 (0.267)	69	111304			0.00- 30.00	1013.97
49 Isopropyl ether					CAS #: 108-20-3		
5.804	5.804 (0.801)	45	141037	2.00000	2.039	70.00- 130.00	100.00
5.804	5.804 (0.801)	87	26577			0.00- 30.00	18.84
5.804	5.804 (0.801)	59	17771			0.00- 30.00	12.60
52 1-Propanol					CAS #: 71-23-8		
6.025	6.025 (0.832)	42	7396	2.00000	2.020	70.00- 130.00	100.00
6.025	6.025 (0.832)	59	5975			0.00- 30.00	80.79
6.053	6.053 (0.836)	41	9646			0.00- 30.00	130.42
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.440	6.440 (0.889)	59	90757	2.00000	1.813	70.00- 130.00	100.00(a)
6.440	6.440 (0.889)	87	31643			0.00- 30.00	34.87
6.440	6.440 (0.889)	41	25870			0.00- 30.00	28.50
61 Ethyl Acetate					CAS #: 141-78-6		
6.938	6.938 (0.958)	70	8600	2.00000	2.238	70.00- 130.00	100.00
6.938	6.938 (0.958)	43	79824			0.00- 30.00	928.19
6.938	6.938 (0.958)	61	15185			0.00- 30.00	176.57
78 Isobutanol					CAS #: 78-83-1		
8.265	8.265 (0.909)	43	28848	2.00000	1.752	70.00- 130.00	100.00(a)
8.265	8.265 (0.909)	41	25525			0.00- 30.00	88.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.459	8.459 (1.168)	73	69055	2.00000	1.778	70.00- 130.00	100.00(a)
8.459	8.459 (1.168)	87	19216			0.00- 30.00	27.83
8.459	8.459 (1.168)	55	30316			0.00- 30.00	43.90
89 1-Butanol					CAS #: 71-36-3		
9.565	9.565 (1.052)	56	17658	2.00000	1.584	70.00- 130.00	100.00(a)
9.565	9.565 (1.052)	41	11624			0.00- 30.00	65.83
9.565	9.565 (1.052)	43	10176			0.00- 30.00	57.63
113 Butyl Acetate					CAS #: 123-86-4		
13.629	13.629 (1.499)	56	23783	2.00000	1.412	70.00- 130.00	100.00(a)
13.657	13.657 (1.502)	73	6689			0.00- 30.00	28.13
13.629	13.629 (1.499)	43	63465			0.00- 30.00	266.85
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.809	16.809 (1.165)	57	73141	2.00000	1.558	70.00- 130.00	100.00(a)
16.809	16.809 (1.165)	85	53026			44.09- 104.09	72.50
133 2-Heptanone					CAS #: 110-43-0		
15.620	15.620 (1.082)	58	23914	2.00000	1.162	70.00- 130.00	100.00(a)
15.620	15.620 (1.082)	43	47126			0.00- 30.00	197.06
136 Cyclohexanone					CAS #: 108-94-1		
16.007	16.007 (1.109)	55	37249	2.00000	1.652	70.00- 130.00	100.00(a)
16.007	16.007 (1.109)	98	12483			0.00- 30.00	33.51
16.007	16.007 (1.109)	42	29100			0.00- 30.00	78.12

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8032602.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp20b

Calibration Date: 26-MAR-2008
Calibration Time: 09:42
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	237391	142435	332347	286700	20.77
88 1,4-Difluorobenze	1071816	643090	1500542	1315375	22.72
125 Chlorobenzene-d5	694006	416404	971608	815240	17.47

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.24	0.38
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

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

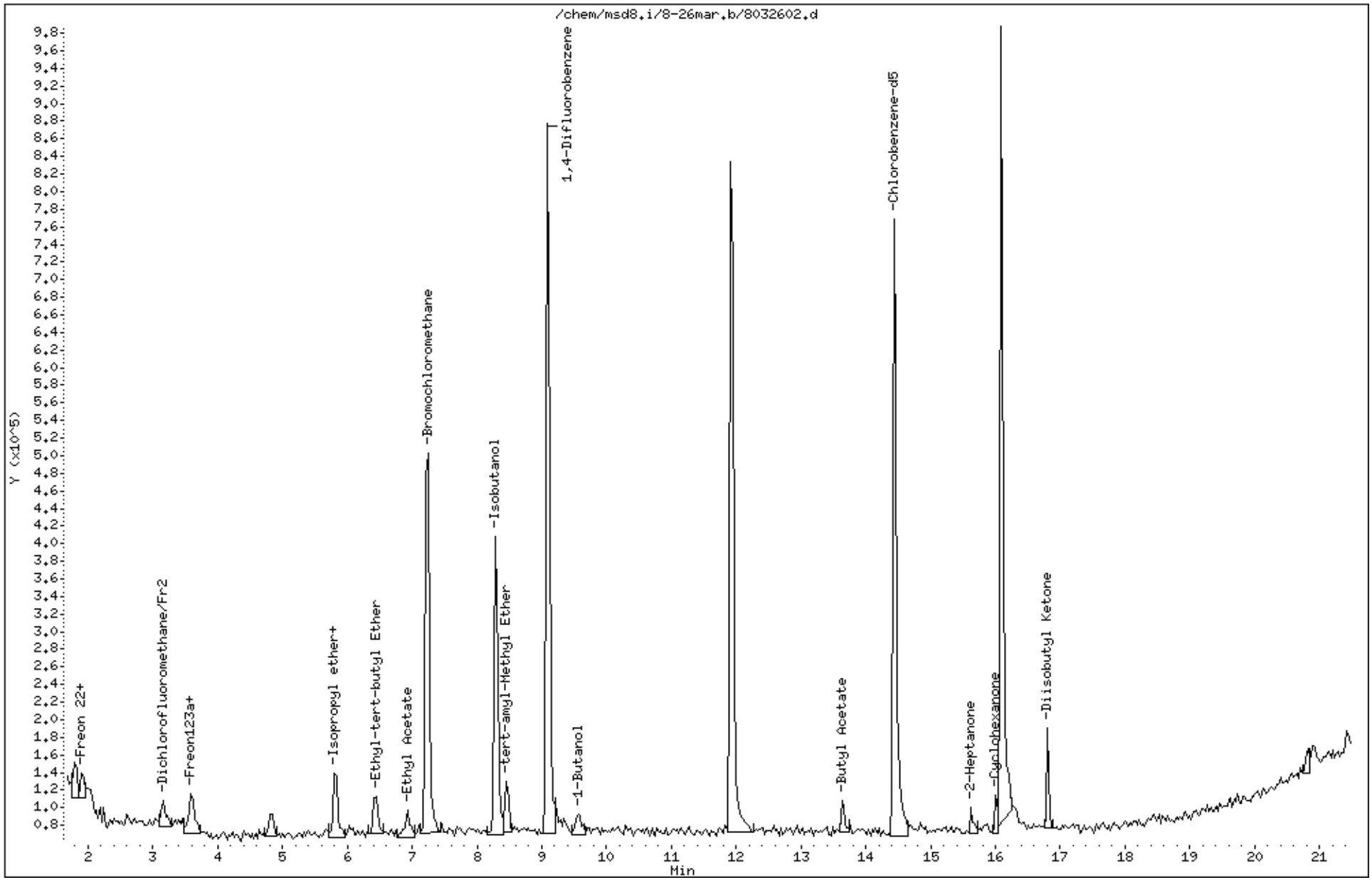
0107

Data File: /chem/msd8.i/8-26mar.b/8032602.d
Date : 26-MAR-2008 09:14
Client ID: Level 3
Sample Info: 2.0mL #1576-313

Instrument: msd8.i

Operator: ct
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030713.d
Lab Smp Id: ICAL Client Smp ID: Level 3
Inj Date : 07-MAR-2008 17:23
Operator : cb Inst ID: msd8.i
Smp Info : 2mL #1576-271
Misc Info : 2ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:25 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 17:23 Cal File: 8030713.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.215 (1.000)	130	304321	25.0000		70.00- 130.00	100.00
7.215	7.215 (1.000)	128	228084			51.10- 111.10	74.95
7.215	7.215 (1.000)	49	677427			190.11- 250.11	222.60
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1361262	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	228442			0.00- 46.84	16.78
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	876230	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	561273			0.00- 30.00	64.06
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	516871	25.0000	24.931	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	263126			0.00- 30.00	50.91
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1282468	25.0000	24.898	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	141788			0.00- 30.00	11.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	828446			0.00- 30.00	64.60
$ 140 Bromofluorobenzene						CAS #: 460-00-4	
16.090	16.090 (1.115)	174	522795	25.0000	24.750	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	731494			98.22- 158.22	139.92
16.090	16.090 (1.115)	176	508950			66.33- 126.33	97.35
3 Propylene						CAS #: 115-07-1	
1.961	1.961 (0.272)	41	39361	2.00000	2.000	70.00- 130.00	100.00
1.961	1.961 (0.272)	42	30940			0.00- 30.00	78.61
1.961	1.961 (0.272)	39	30422			0.00- 30.00	77.29
4 Dichlorodifluoromethane/Fr12						CAS #: 75-71-8	
1.989	1.989 (0.276)	85	94335	2.00000	1.932	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	32539			0.00- 30.00	34.49
6 Freon 114						CAS #: 76-14-2	
2.099	2.099 (0.291)	135	69113	2.00000	1.836	70.00- 130.00	100.00
2.127	2.127 (0.295)	137	18930			0.77- 60.77	27.39
8 Chloromethane						CAS #: 74-87-3	
2.238	2.238 (0.310)	50	56372	2.00000	2.000	70.00- 130.00	100.00(M)
2.238	2.238 (0.310)	52	25725			0.00- 30.00	45.63
9 Butane						CAS #: 106-97-8	
2.265	2.265 (0.314)	58	14297	2.00000	2.000	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	107180			0.00- 30.00	749.67
11 Vinyl Chloride						CAS #: 75-01-4	
2.348	2.348 (0.325)	62	47396	2.00000	1.668	70.00- 130.00	100.00
2.348	2.348 (0.325)	64	16177			0.00- 30.00	34.13
10 1,3-Butadiene						CAS #: 106-99-0	
2.321	2.321 (0.322)	54	41841	2.00000	1.822	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	53811			0.00- 30.00	128.61
13 Bromomethane						CAS #: 74-83-9	
2.763	2.763 (0.383)	94	26003	2.00000	1.640	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	27769			62.53- 122.53	106.79
16 Chloroethane						CAS #: 75-00-3	
2.874	2.874 (0.398)	64	22836	2.00000	1.801	70.00- 130.00	100.00
2.874	2.874 (0.398)	49	6266			0.00- 30.00	27.44
2.874	2.874 (0.398)	66	9277			0.00- 30.00	40.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.874	2.874 (0.398)	43	86235	2.00000	2.000	70.00- 130.00	100.00
2.874	2.874 (0.398)	57	47966			0.00- 30.00	55.62
2.874	2.874 (0.398)	72	6898			0.00- 30.00	8.00
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	106575	2.00000	1.880	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	74371			33.78- 93.78	69.78
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	21803	2.00000	2.000	70.00- 130.00	100.00
3.371	3.371 (0.467)	43	2695			0.00- 30.00	12.36
3.399	3.399 (0.471)	46	9910			0.00- 30.00	45.45
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	47673	2.00000	1.554	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	31896			31.42- 91.42	66.91
3.814	3.814 (0.529)	101	79358			106.14- 166.14	166.46
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	82015	2.00000	1.809	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	39306			18.83- 78.83	47.93
3.841	3.841 (0.532)	98	26769			1.92- 61.92	32.64
30 Acetone					CAS #: 67-64-1		
3.980	3.980 (0.552)	58	30106	2.00000	2.000	70.00- 130.00	100.00
3.980	3.980 (0.552)	43	90246			0.00- 30.00	299.76
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.578)	76	123504	2.00000	1.838	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	99608	2.00000	2.000	70.00- 130.00	100.00
4.173	4.173 (0.578)	43	26271			0.00- 30.00	26.37
4.173	4.173 (0.578)	59	4659			0.00- 30.00	4.68
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	19327	2.00000	2.000	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	65153			0.00- 30.00	337.11
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	86472	2.00000	2.000	70.00- 130.00	100.00
4.809	4.809 (0.667)	41	25002			0.00- 30.00	28.91
4.809	4.809 (0.667)	57	11647			0.00- 30.00	13.47
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	70504	2.00000	1.892	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.671	4.671 (0.647)	84	37669			24.35- 84.35	53.43
4.671	4.671 (0.647)	51	25787			0.00- 30.00	36.58
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	66552	2.00000	1.646	70.00- 130.00	100.00
5.003	5.003 (0.693)	57	22904			0.00- 57.94	34.42
5.003	5.003 (0.693)	41	31481			0.00- 30.00	47.30
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	46853	2.00000	1.839	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	82541			150.61- 210.61	176.17
5.030	5.030 (0.697)	98	34140			0.00- 30.00	72.87
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	98431	2.00000	1.987	70.00- 130.00	100.00
5.390	5.390 (0.747)	43	73961			0.00- 30.00	75.14
5.390	5.390 (0.747)	86	15599			0.00- 30.00	15.85
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.804	5.804 (0.805)	63	90284	2.00000	1.949	70.00- 130.00	100.00
5.804	5.804 (0.805)	65	27592			0.89- 60.89	30.56
55 Vinyl Acetate					CAS #: 108-05-4		
5.887	5.887 (0.816)	86	9801	2.00000	2.000	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	124645			0.00- 30.00	1271.76
5.887	5.887 (0.816)	42	9922			0.00- 30.00	101.23
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	72299	2.00000	1.884	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	46661			31.12- 91.12	64.54
6.800	6.800 (0.942)	98	29647			8.63- 68.63	41.01
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	19846	2.00000	1.802	70.00- 130.00	100.00
6.855	6.855 (0.950)	43	118153			517.48- 577.48	595.35
6.855	6.855 (0.950)	57	12210			0.00- 30.00	61.52
67 Tetrahydrofuran					CAS #: 109-99-9		
7.215	7.215 (1.000)	42	77110	2.00000	1.841	70.00- 130.00	100.00
7.215	7.215 (1.000)	71	22447			0.00- 57.82	29.11
7.215	7.215 (1.000)	72	24959			0.00- 30.00	32.37
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	84190	2.00000	1.739	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	55479			31.36- 91.36	65.90

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	67624	2.00000	1.856	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	105449			115.63- 175.63	155.93
7.574	7.574 (1.050)	41	64624			59.16- 119.16	95.56
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	80937	2.00000	1.707	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	58441			34.31- 94.31	72.21
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	69236	2.00000	1.977	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	67590			74.65- 134.65	97.62
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	143762	2.00000	1.765	70.00- 130.00	100.00
8.238	8.238 (0.906)	77	33594			0.00- 30.00	23.37
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	303339	2.00000	2.040	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	85849			0.00- 30.00	28.30
8.293	8.293 (1.149)	41	82684			0.00- 30.00	27.26
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	62733	2.00000	2.018	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	26150			0.00- 30.00	41.68
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	13812	2.00000	1.550	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	115532			0.00- 30.00	836.46
8.680	8.680 (0.954)	71	49290			0.00- 30.00	356.86
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	62006	2.00000	1.850	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	49378			61.96- 121.96	79.63
9.482	9.482 (1.043)	97	35722			34.32- 94.32	57.61
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	92517	2.00000	1.959	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	42299			0.00- 30.00	45.72
9.703	9.703 (1.345)	55	91077			0.00- 30.00	98.44
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	52047	2.00000	1.627	70.00- 130.00	100.00
9.979	9.979 (1.097)	62	32464			38.59- 98.59	62.37
9.979	9.979 (1.097)	41	43711			38.06- 98.06	83.98

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	27808	2.00000	2.000	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	26593			56.45- 116.45	95.63
10.228	10.228 (1.125)	57	14156			0.00- 30.00	50.91
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	86390	2.00000	1.965	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	49179			30.64- 90.64	56.93
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	58605	2.00000	1.573	70.00- 130.00	100.00
11.473	11.473 (1.261)	77	23946			1.21- 61.21	40.86
11.500	11.500 (1.264)	39	52010			40.75- 100.75	88.75
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	40852	2.00000	1.596	70.00- 130.00	100.00(M)
11.832	11.832 (1.301)	43	133733			0.00- 30.00	327.36
11.832	11.832 (1.301)	85	19108			0.00- 30.00	46.77
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	137439	2.00000	1.886	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	79237			30.45- 90.45	57.65
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	57116	2.00000	2.214	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	15252			2.64- 62.64	26.70
12.689	12.689 (0.879)	39	40917			39.55- 99.55	71.64
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	47259	2.00000	2.019	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	34934			32.84- 92.84	73.92
12.993	12.993 (0.900)	83	46719			56.96- 116.96	98.86
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	72951	2.00000	2.025	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	48108			40.72- 100.72	65.95
13.021	13.021 (0.902)	131	44621			38.04- 98.04	61.17
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	57714	2.00000	2.000	70.00- 130.00	100.00
13.436	13.436 (0.931)	43	101625			197.39- 257.39	176.08
13.436	13.436 (0.931)	100	7895			0.00- 30.00	13.68
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	59536	2.00000	1.653	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	47482			0.00- 30.00	79.75

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	79317	2.00000	1.959	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	75150			63.74- 123.74	94.75
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	114215	2.00000	1.850	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	34664			1.99- 61.99	30.35
14.486	14.486 (1.004)	77	82460			33.13- 93.13	72.20
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	55714	2.00000	1.947	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	203490			0.00- 30.00	365.24
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	80650	2.00000	2.101	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	166162			0.00- 30.00	206.03
132 o-Xylene					CAS #: 95-47-6		
15.371	15.371 (1.065)	106	73555	2.00000	1.918	70.00- 130.00	100.00
15.343	15.343 (1.063)	91	154238			194.61- 254.61	209.69
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	111619	2.00000	1.808	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	60957			24.12- 84.12	54.61
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	53633	2.00000	1.938	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	28705			20.77- 80.77	53.52
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	226858	2.00000	1.934	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	55951			0.00- 30.00	24.66
15.841	15.841 (1.098)	51	32924			0.00- 30.00	14.51
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	107627	2.00000	2.008	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	64176			30.78- 90.78	59.63
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	253684	2.00000	1.962	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	53690			0.00- 30.00	21.16
16.366	16.366 (1.134)	105	9175			0.00- 30.00	3.62
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	195408	2.00000	2.020	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	52885			0.00- 58.20	27.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	215988	2.00000	1.948	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	100883			0.00- 30.00	46.71
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	173763	2.00000	1.878	70.00- 130.00	100.00
17.058	17.058 (1.182)	120	77032			12.59- 72.59	44.33
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	100547	2.00000	1.739	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	62874			0.00- 30.00	62.53
17.334	17.334 (1.201)	111	42433			0.00- 30.00	42.20
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	151479	2.00000	2.012	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	86224			0.00- 30.00	56.92
17.445	17.445 (1.209)	111	64423			0.00- 30.00	42.53
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	110391	2.00000	2.072	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	18864			0.00- 30.00	17.09
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	135805	2.00000	2.095	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	80839			32.70- 92.70	59.53
17.804	17.804 (1.234)	111	64142			16.47- 76.47	47.23
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	122963	2.00000	2.000	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	125334			67.03- 127.03	101.93
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	106655	2.00000	2.000	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	69600			34.11- 94.11	65.26
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	256350	2.00000	2.000	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	36069			0.00- 30.00	14.07

QC Flag Legend

M - Compound response manually integrated.

Report Date: 11-Mar-2008 12:25

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030713.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 2ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 3
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	304321	3.86
88 1,4-Difluorobenze	1382376	829426	1935326	1361262	-1.53
125 Chlorobenzene-d5	855859	513515	1198203	876230	2.38

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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/msd8.i/8-07mar.b/8030713.d

Date : 07-MAR-2008 17:23

Client ID: Level 3

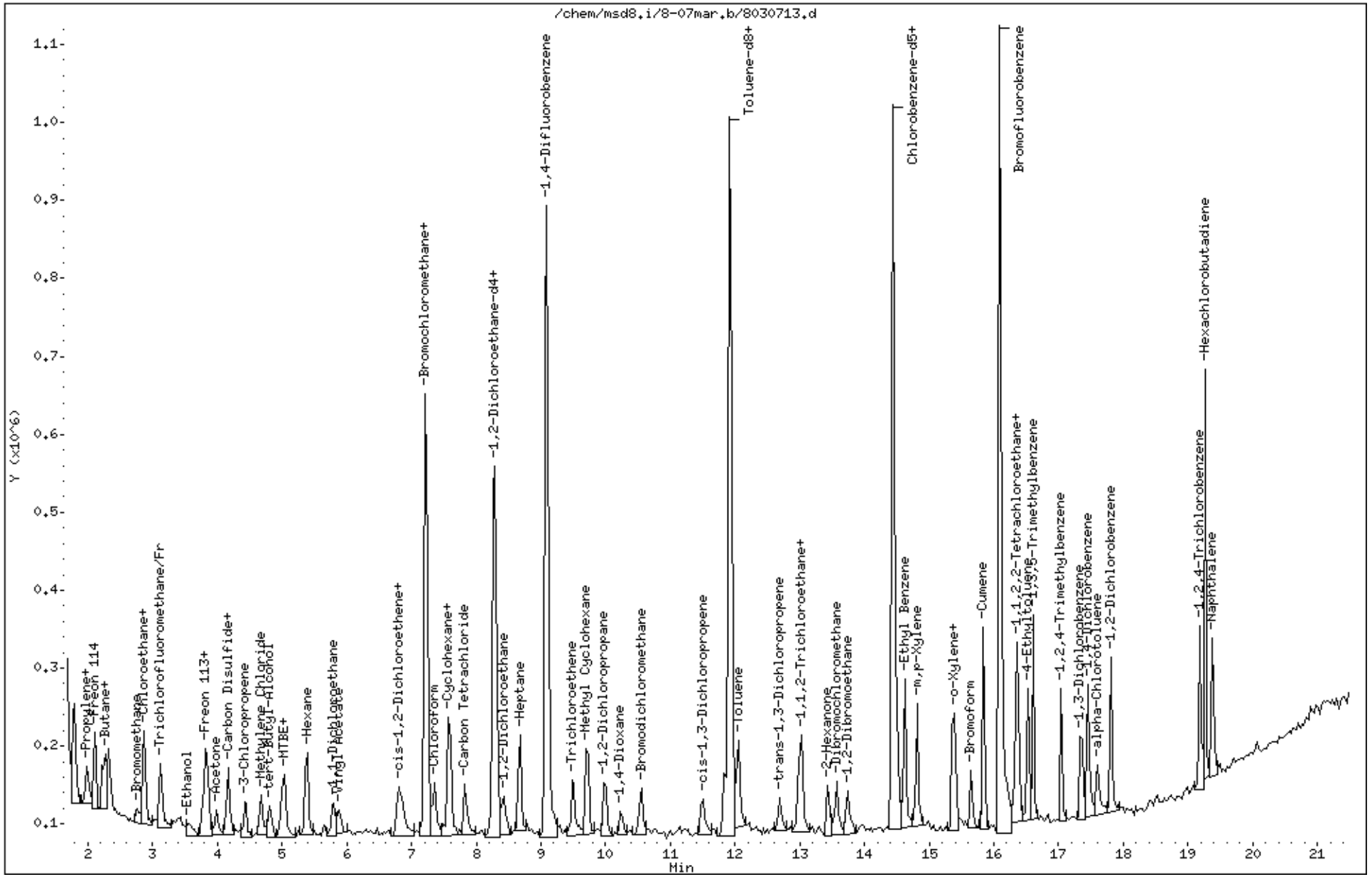
Sample Info: 2mL #1576-271

Column phase: RTx-624

Instrument: msd8.i

Operator: cb

Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030714.d
Lab Smp Id: ICAL Client Smp ID: Level 4
Inj Date : 07-MAR-2008 17:51
Operator : cb Inst ID: msd8.i
Smp Info : 25mL #1576-271
Misc Info : 25ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:25 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 17:51 Cal File: 8030714.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	302566	25.0000		70.00- 130.00		100.00
7.214	7.214 (1.000)	128	220336			51.10- 111.10		72.82
7.214	7.214 (1.000)	49	671991			190.11- 250.11		222.10
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1368507	25.0000		70.00- 130.00		100.00
9.095	9.095 (1.000)	88	234371			0.00- 46.84		17.13
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	876601	25.0000		70.00- 130.00		100.00
14.431	14.431 (1.000)	82	548146			0.00- 30.00		62.53
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0			
8.265	8.265 (1.146)	65	515962	25.0000	25.024	70.00- 130.00		100.00
8.293	8.293 (1.149)	67	284424			0.00- 30.00		55.12
$ 104 Toluene-d8					CAS #: 2037-26-5			
11.915	11.915 (1.310)	98	1312705	25.0000	25.262	70.00- 130.00		100.00
11.915	11.915 (1.310)	70	148497			0.00- 30.00		11.31

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	AMOUNTS ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	989517			0.00- 30.00	75.38
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	563690	25.0000	26.235	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	728118			98.22- 158.22	129.17
16.090	16.090 (1.115)	176	531361			66.33- 126.33	94.26
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	443552	25.0000	23.777	70.00- 130.00	100.00
1.933	1.933 (0.268)	42	291554			0.00- 30.00	65.73
1.933	1.933 (0.268)	39	331174			0.00- 30.00	74.66
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.961	1.961 (0.272)	85	1145932	25.0000	24.053	70.00- 130.00	100.00
1.961	1.961 (0.272)	87	323356			0.00- 30.00	28.22
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	689326	25.0000	20.189	70.00- 130.00	100.00
2.072	2.072 (0.287)	137	215351			0.77- 60.77	31.24
8 Chloromethane					CAS #: 74-87-3		
2.182	2.182 (0.302)	50	502265	25.0000	20.878	70.00- 130.00	100.00
2.182	2.182 (0.302)	52	147149			0.00- 30.00	29.30
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	100256	25.0000	18.036	70.00- 130.00	100.00
2.238	2.238 (0.310)	43	939010			0.00- 30.00	936.61
11 Vinyl Chloride					CAS #: 75-01-4		
2.320	2.320 (0.322)	62	494662	25.0000	19.455	70.00- 130.00	100.00
2.320	2.320 (0.322)	64	157612			0.00- 30.00	31.86
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	427600	25.0000	20.442	70.00- 130.00	100.00
2.320	2.320 (0.322)	39	573814			0.00- 30.00	134.19
13 Bromomethane					CAS #: 74-83-9		
2.735	2.735 (0.379)	94	308781	25.0000	21.112	70.00- 130.00	100.00
2.735	2.735 (0.379)	96	303981			62.53- 122.53	98.45
16 Chloroethane					CAS #: 75-00-3		
2.818	2.818 (0.391)	64	252822	25.0000	21.472	70.00- 130.00	100.00
2.818	2.818 (0.391)	49	87165			0.00- 30.00	34.48
2.818	2.818 (0.391)	66	79614			0.00- 30.00	31.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	814089	25.0000	21.584	70.00- 130.00	100.00
2.846	2.846 (0.394)	57	504631			0.00- 30.00	61.99
2.846	2.846 (0.394)	72	47631			0.00- 30.00	5.85
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	1069357	25.0000	20.635	70.00- 130.00	100.00
3.095	3.095 (0.429)	103	684065			33.78- 93.78	63.97
23 Ethanol					CAS #: 64-17-5		
3.371	3.371 (0.467)	45	239190	25.0000	23.443	70.00- 130.00	100.00
3.399	3.399 (0.471)	43	46850			0.00- 30.00	19.59
3.371	3.371 (0.467)	46	86012			0.00- 30.00	35.96
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	551831	25.0000	19.928	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	342439			31.42- 91.42	62.06
3.786	3.786 (0.525)	101	780479			106.14- 166.14	141.43
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	792749	25.0000	19.520	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	377313			18.83- 78.83	47.60
3.841	3.841 (0.532)	98	233809			1.92- 61.92	29.49
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	259330	25.0000	20.468	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	958064			0.00- 30.00	369.44
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	1258538	25.0000	20.521	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	1075575	25.0000	23.246	70.00- 130.00	100.00
4.145	4.145 (0.575)	43	245039			0.00- 30.00	22.78
4.145	4.145 (0.575)	59	36492			0.00- 30.00	3.39
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	216048	25.0000	23.677	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	854500			0.00- 30.00	395.51
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	866268	25.0000	22.316	70.00- 130.00	100.00
4.809	4.809 (0.667)	41	247083			0.00- 30.00	28.52
4.809	4.809 (0.667)	57	91916			0.00- 30.00	10.61
40 Methylene Chloride					CAS #: 75-09-2		
4.643	4.643 (0.644)	49	644893	25.0000	19.364	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.671	4.671 (0.647)	84	365063			24.35- 84.35	56.61
4.643	4.643 (0.644)	51	189051			0.00- 30.00	29.32
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	1110966	25.0000	26.697	70.00- 130.00	100.00
5.002	5.002 (0.693)	57	319727			0.00- 57.94	28.78
4.975	4.975 (0.690)	41	350058			0.00- 30.00	31.51
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	447082	25.0000	19.567	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	814727			150.61- 210.61	182.23
5.030	5.030 (0.697)	98	294265			0.00- 30.00	65.82
46 Hexane					CAS #: 110-54-3		
5.362	5.362 (0.743)	57	1003749	25.0000	21.721	70.00- 130.00	100.00
5.362	5.362 (0.743)	43	693991			0.00- 30.00	69.14
5.362	5.362 (0.743)	86	120214			0.00- 30.00	11.98
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	946617	25.0000	21.846	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	284644			0.89- 60.89	30.07
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	103806	25.0000	23.005	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	1551954			0.00- 30.00	1495.05
5.860	5.860 (0.812)	42	125700			0.00- 30.00	121.09
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	714466	25.0000	20.437	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	446304			31.12- 91.12	62.47
6.800	6.800 (0.942)	98	275234			8.63- 68.63	38.52
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	231872	25.0000	22.314	70.00- 130.00	100.00
6.827	6.827 (0.946)	43	1276825			517.48- 577.48	550.66
6.855	6.855 (0.950)	57	90043			0.00- 30.00	38.83
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	761426	25.0000	20.084	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	206465			0.00- 57.82	27.12
7.214	7.214 (1.000)	72	224822			0.00- 30.00	29.53
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	868148	25.0000	19.383	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	524950			31.36- 91.36	60.47

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	682721	25.0000	20.527	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	981620			115.63- 175.63	143.78
7.574	7.574 (1.050)	41	618309			59.16- 119.16	90.57
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	870077	25.0000	20.219	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	579652			34.31- 94.31	66.62
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	737249	25.0000	22.311	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	727187			74.65- 134.65	98.64
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	1422014	25.0000	18.801	70.00- 130.00	100.00
8.237	8.237 (0.906)	77	320143			0.00- 30.00	22.51
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.265	8.265 (1.146)	57	2986899	25.0000	21.584	70.00- 130.00	100.00
8.265	8.265 (1.146)	56	958859			0.00- 30.00	32.10
8.265	8.265 (1.146)	41	864284			0.00- 30.00	28.94
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	679775	25.0000	22.733	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	201983			0.00- 30.00	29.71
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	156276	25.0000	19.400	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	1199558			0.00- 30.00	767.59
8.680	8.680 (0.954)	71	522284			0.00- 30.00	334.21
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	568688	25.0000	18.928	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	512081			61.96- 121.96	90.05
9.482	9.482 (1.043)	97	380373			34.32- 94.32	66.89
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	903657	25.0000	20.847	70.00- 130.00	100.00
9.703	9.703 (1.345)	98	395903			0.00- 30.00	43.81
9.703	9.703 (1.345)	55	904904			0.00- 30.00	100.14
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	9.979 (1.097)	63	558026	25.0000	19.321	70.00- 130.00	100.00
9.979	9.979 (1.097)	62	375020			38.59- 98.59	67.20
9.979	9.979 (1.097)	41	390353			38.06- 98.06	69.95

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	307334	25.0000	23.397	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	263623			56.45- 116.45	85.78
10.228	10.228 (1.125)	57	80239			0.00- 30.00	26.11
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	853026	25.0000	20.888	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	507420			30.64- 90.64	59.48
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.472	11.472 (1.261)	75	678381	25.0000	19.944	70.00- 130.00	100.00
11.500	11.500 (1.264)	77	212169			1.21- 61.21	31.28
11.472	11.472 (1.261)	39	488781			40.75- 100.75	72.05
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	485349	25.0000	20.544	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	1398469			0.00- 30.00	288.14
11.832	11.832 (1.301)	85	182179			0.00- 30.00	37.54
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	1469416	25.0000	21.470	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	888834			30.45- 90.45	60.49
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	666038	25.0000	25.532	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	211077			2.64- 62.64	31.69
12.689	12.689 (0.879)	39	451729			39.55- 99.55	67.82
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	503534	25.0000	22.556	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	320070			32.84- 92.84	63.56
12.993	12.993 (0.900)	83	429048			56.96- 116.96	85.21
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	647935	25.0000	19.835	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	451853			40.72- 100.72	69.74
13.021	13.021 (0.902)	131	431771			38.04- 98.04	66.64
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	631055	25.0000	23.324	70.00- 130.00	100.00
13.408	13.408 (0.929)	43	1338467			197.39- 257.39	212.10
13.436	13.436 (0.931)	100	103510			0.00- 30.00	16.40
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	682127	25.0000	20.600	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	529624			0.00- 30.00	77.64

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	774222	25.0000	20.744	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	729030			63.74- 123.74	94.16
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	1225039	25.0000	21.298	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	389415			1.99- 61.99	31.79
14.486	14.486 (1.004)	77	765011			33.13- 93.13	62.45
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	629779	25.0000	22.914	70.00- 130.00	100.00
14.624	14.624 (1.013)	91	2093317			0.00- 30.00	332.39
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	797174	25.0000	22.004	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	1618732			0.00- 30.00	203.06
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	734499	25.0000	20.765	70.00- 130.00	100.00
15.343	15.343 (1.063)	91	1599863			194.61- 254.61	217.82
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	1293329	25.0000	21.827	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	669054			24.12- 84.12	51.73
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	649259	25.0000	23.945	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	333888			20.77- 80.77	51.43
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	2333569	25.0000	20.955	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	602112			0.00- 30.00	25.80
15.841	15.841 (1.098)	51	300264			0.00- 30.00	12.87
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	1104529	25.0000	21.882	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	671863			30.78- 90.78	60.83
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	2875765	25.0000	23.083	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	584528			0.00- 30.00	20.33
16.366	16.366 (1.134)	105	95515			0.00- 30.00	3.32
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	2157089	25.0000	23.124	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	613722			0.00- 58.20	28.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	2019835	25.0000	20.024	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	956896			0.00- 30.00	47.37
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	1906376	25.0000	21.883	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	794422			12.59- 72.59	41.67
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.334 (1.201)	146	1083210	25.0000	20.439	70.00- 130.00	100.00
17.362	17.362 (1.203)	148	679227			0.00- 30.00	62.71
17.334	17.334 (1.201)	111	513638			0.00- 30.00	47.42
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	1404754	25.0000	20.380	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	894477			0.00- 30.00	63.67
17.445	17.445 (1.209)	111	613579			0.00- 30.00	43.68
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	1457652	25.0000	26.515	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	253719			0.00- 30.00	17.41
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	1234218	25.0000	20.679	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	770658			32.70- 92.70	62.44
17.804	17.804 (1.234)	111	576746			16.47- 76.47	46.73
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	990369	25.0000	19.588	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	928851			67.03- 127.03	93.79
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	903995	25.0000	20.199	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	594174			34.11- 94.11	65.73
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	1822509	25.0000	18.123	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	229920			0.00- 30.00	12.62

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030714.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 25ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 4
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	302566	3.26
88 1,4-Difluorobenze	1382376	829426	1935326	1368507	-1.00
125 Chlorobenzene-d5	855859	513515	1198203	876601	2.42

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

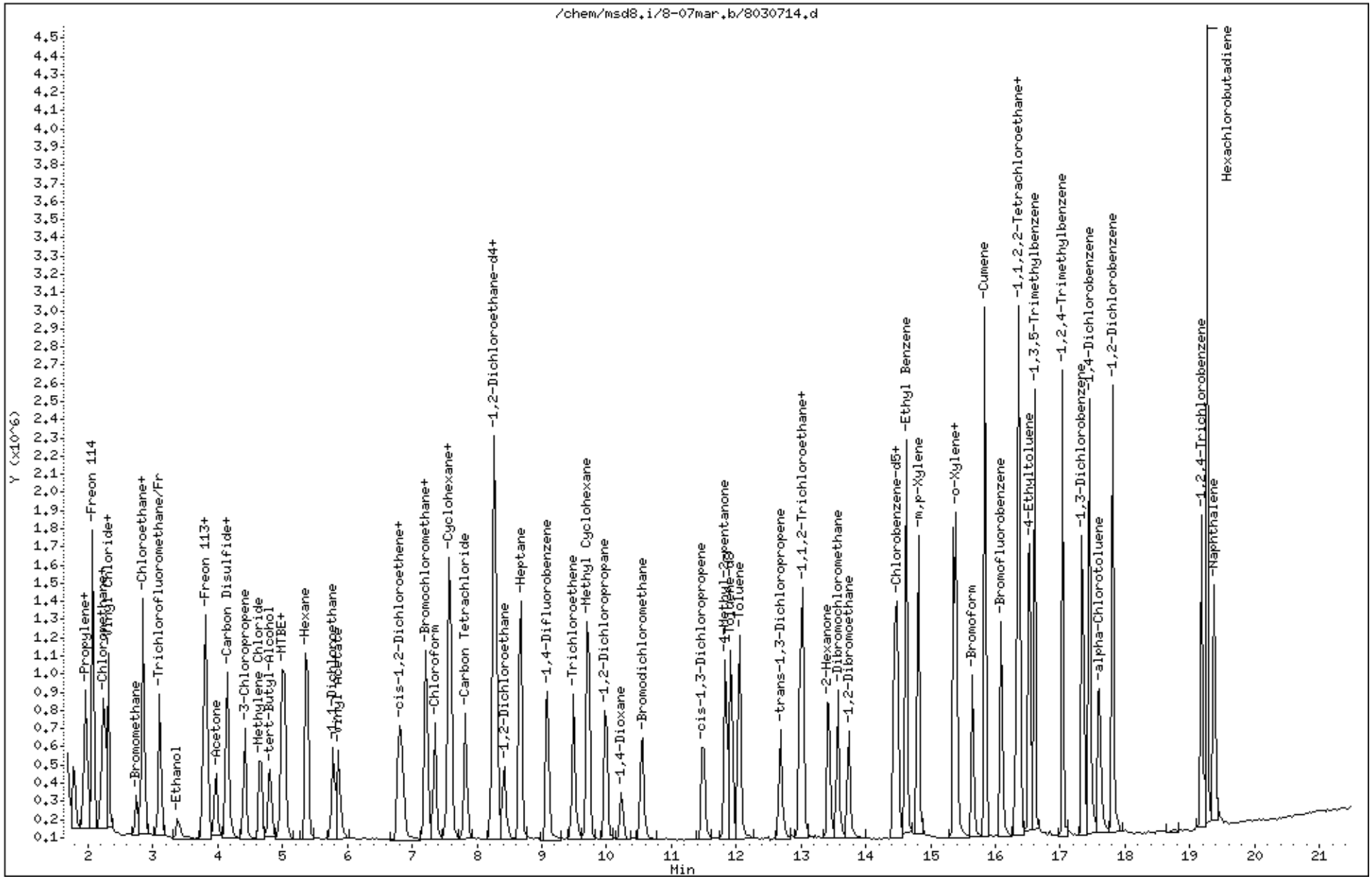
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0127

Data File: /chem/msd8.i/8-07mar.b/8030714.d
Date : 07-MAR-2008 17:51
Client ID: Level 4
Sample Info: 25mL #1576-271

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-01apr.b/8040106.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 01-APR-2008 10:06
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-319
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-01apr.b/t14q307c.m
Meth Date : 01-Apr-2008 11:01 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:06 Cal File: 8040106.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	252808	25.0000		80.00- 120.00		100.00
7.214	7.214 (1.000)	128	188867			44.71- 104.71		74.71
7.214	7.214 (1.000)	49	518172			174.97- 234.97		204.97
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1080017	25.0000		80.00- 120.00		100.00
9.095	9.095 (1.000)	88	173493			0.00- 46.06		16.06
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	702161	25.0000		80.00- 120.00		100.00
14.431	14.431 (1.000)	82	424156			30.41- 90.41		60.41
7 Isobutane					CAS #: 75-28-5			
2.099	2.099 (0.291)	43	1774463	50.0000	42.231	80.00- 120.00		100.00
2.099	2.099 (0.291)	42	575643			2.44- 62.44		32.44
2.099	2.099 (0.291)	58	43586			0.00- 32.46		2.46
19 Pentane					CAS #: 109-66-0			
3.178	3.178 (0.440)	43	1816605	50.0000	39.330	80.00- 120.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
19 Pentane (continued)							
3.178	3.178 (0.440)	57	252133			0.00- 43.88	13.88
3.178	3.178 (0.440)	72	144470			0.00- 37.95	7.95
25 Acrolein					CAS #: 107-02-8		
3.758	3.758 (0.521)	55	256675	50.0000	40.705	80.00- 120.00	100.00
3.758	3.758 (0.521)	56	361043			110.66- 170.66	140.66
35 Acetonitrile					CAS #: 75-05-8		
4.505	4.505 (0.624)	40	499549	50.0000	49.168	80.00- 120.00	100.00
4.505	4.505 (0.624)	41	892089			148.58- 208.58	178.58
4.505	4.505 (0.624)	38	103890			0.00- 50.80	20.80
41 Acrylonitrile					CAS #: 107-13-1		
5.141	5.141 (0.713)	53	723006	50.0000	43.692	80.00- 120.00	100.00
5.141	5.141 (0.713)	52	605391			53.73- 113.73	83.73
44 1-Pentene					CAS #: 109-67-1		
3.122	3.122 (0.433)	55	966943	50.0000	40.460	80.00- 120.00	100.00(T)
3.122	3.122 (0.433)	42	1541919			129.46- 189.46	159.46
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
47 Ethyl Ether					CAS #: 60-29-7		
3.482	3.482 (0.483)	74	367401	50.0000	39.043	80.00- 120.00	100.00(T)
3.482	3.482 (0.483)	59	644616			145.45- 205.45	175.45
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
56 Iodomethane					CAS #: 74-88-4		
4.090	4.090 (0.567)	142	1414319	50.0000	48.683	80.00- 120.00	100.00
4.090	4.090 (0.567)	127	613292			13.36- 73.36	43.36
62 1-Hexene					CAS #: 592-41-6		
5.251	5.251 (0.728)	55	656763	50.0000	40.672	80.00- 120.00	100.00
5.251	5.251 (0.728)	41	1115443			139.84- 199.84	169.84
5.251	5.251 (0.728)	84	211322			2.18- 62.18	32.18
63 Methyl Acrylate					CAS #: 96-33-3		
6.966	6.966 (0.966)	55	1543030	50.0000	46.332	80.00- 120.00	100.00
6.993	6.993 (0.969)	85	195520			0.00- 42.67	12.67
6.993	6.993 (0.969)	58	136074			0.00- 38.82	8.82
90 Methyl Methacrylate					CAS #: 80-62-6		
10.256	10.256 (1.128)	41	1372101	50.0000	46.347	80.00- 120.00	100.00
10.256	10.256 (1.128)	69	739932			23.93- 83.93	53.93
10.256	10.256 (1.128)	100	286395			0.00- 50.87	20.87

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 2-Pentanone					CAS #: 107-87-9		
9.979	9.979 (1.097)	43	2500990	50.0000	46.448	80.00- 120.00	100.00
9.979	9.979 (1.097)	58	158894			0.00- 36.35	6.35
9.979	9.979 (1.097)	86	335073			0.00- 43.40	13.40
93 Ethyl Acrylate					CAS #: 140-88-5		
9.813	9.813 (1.079)	55	1841753	50.0000	48.533	80.00- 120.00	100.00
9.813	9.813 (1.079)	99	100653			0.00- 35.47	5.47
9.813	9.813 (1.079)	45	176356			0.00- 39.58	9.58
96 Dibromomethane					CAS #: 74-95-3		
10.228	10.228 (1.125)	174	755823	50.0000	42.076	80.00- 120.00	100.00
10.228	10.228 (1.125)	93	727839			66.30- 126.30	96.30
10.228	10.228 (1.125)	95	610263			50.74- 110.74	80.74
115 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
16.422	16.422 (1.138)	89	235023	50.0000	55.898	80.00- 120.00	100.00
16.422	16.422 (1.138)	53	506296			185.42- 245.42	215.42
16.422	16.422 (1.138)	124	87437			7.20- 67.20	37.20
121 Alphamethylstyrene					CAS #: 98-83-9		
16.892	16.892 (1.171)	118	1302649	50.0000	49.751	80.00- 120.00	100.00
16.892	16.892 (1.171)	103	704494			24.08- 84.08	54.08
127 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.334	17.334 (1.201)	93	1590679	50.0000	43.977	80.00- 120.00	100.00
17.334	17.334 (1.201)	95	530898			3.38- 63.38	33.38
17.334	17.334 (1.201)	63	1177842			44.05- 104.05	74.05
128 Nonane					CAS #: 111-84-2		
14.818	14.818 (1.027)	43	2344921	50.0000	44.115	80.00- 120.00	100.00
14.818	14.818 (1.027)	57	1813998			47.36- 107.36	77.36
14.846	14.846 (1.029)	85	596063			0.00- 55.42	25.42

QC Flag Legend

T - Target compound detected outside RT window.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040106.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-01apr.b/t14q307c.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 01-APR-2008
Calibration Time: 10:06
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	252808	151685	353931	252808	0.00
88 1,4-Difluorobenze	1080017	648010	1512024	1080017	0.00
125 Chlorobenzene-d5	702161	421297	983025	702161	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

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

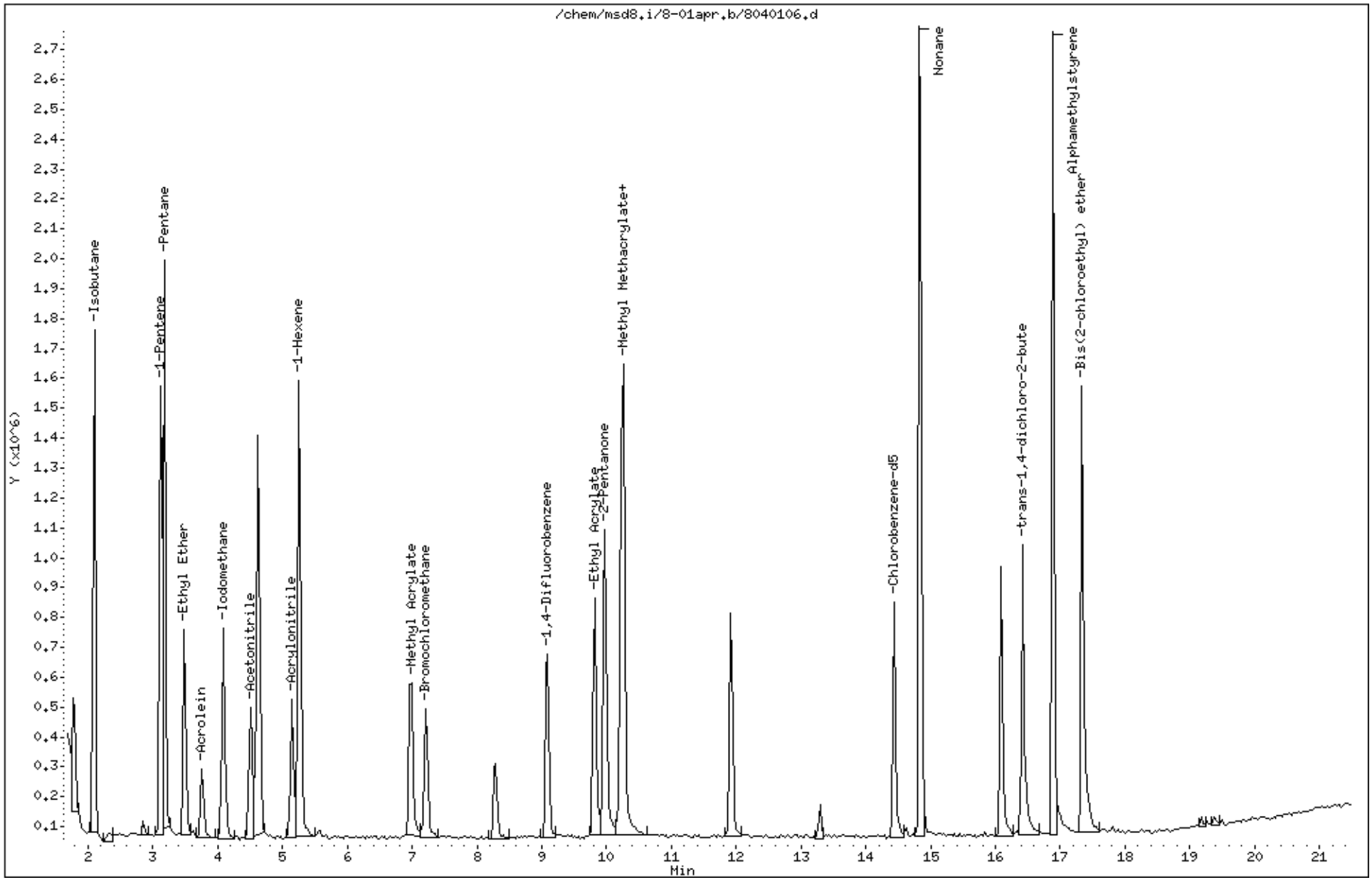
0132

Data File: /chem/msd8.i/8-01apr.b/8040106.d
Date : 01-APR-2008 10:06
Client ID: Level 5
Sample Info: 50mL #1576-319

Column phase: RTx-624

Instrument: msd8.i

Operator: cb
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032607.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 26-MAR-2008 11:36
Operator : ct Inst ID: msd8.i
Smp Info : 50mL #1541-67
Misc Info : 50ppbv (200ppbv) sp16b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 13:14 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 11:36 Cal File: 8032607.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	235531	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	180193			46.51- 106.51	76.51
7.214	7.214 (1.000)	49	494197			179.82- 239.82	209.82
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1044946	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	167580			0.00- 46.04	16.04
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	691829	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	407785			28.94- 88.94	58.94
36 Cyclopentene					CAS #: 142-29-0		
4.477	4.477 (0.621)	67	1431622	50.0000	50.156	80.00- 120.00	100.00
4.477	4.477 (0.621)	68	544551			8.04- 68.04	38.04
4.477	4.477 (0.621)	53	350156			0.00- 54.46	24.46
60 2,2-Dichloropropane					CAS #: 594-20-7		
6.744	6.744 (0.935)	77	958019	50.0000	59.913	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
60 2,2-Dichloropropane (continued)							
6.744	6.744 (0.935)	79	315793			2.96- 62.96	32.96
6.744	6.744 (0.935)	97	182078			0.00- 49.01	19.01
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.906	7.906 (1.096)	110	311889	50.0000	44.203	80.00- 120.00	100.00
7.878	7.878 (1.092)	75	928362			267.66- 327.66	297.66
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.270	13.270 (1.459)	76	1092209	50.0000	50.233	80.00- 120.00	100.00
13.270	13.270 (1.459)	41	978141			59.56- 119.56	89.56
13.270	13.270 (1.459)	78	343545			1.45- 61.45	31.45
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.624	14.624 (1.013)	131	779440	50.0000	48.570	80.00- 120.00	100.00
14.624	14.624 (1.013)	117	540420			39.33- 99.33	69.33
14.624	14.624 (1.013)	95	325700			11.79- 71.79	41.79
139 Bromobenzene					CAS #: 108-86-1		
16.256	16.256 (1.126)	156	950534	50.0000	48.110	80.00- 120.00	100.00
16.228	16.228 (1.125)	77	1675169			146.23- 206.23	176.23
16.256	16.256 (1.126)	158	853963			59.84- 119.84	89.84
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.366	16.366 (1.134)	110	478891	50.0000	49.427	80.00- 120.00	100.00
16.366	16.366 (1.134)	61	392965			52.06- 112.06	82.06
16.366	16.366 (1.134)	112	317829			36.37- 96.37	66.37
143 2-Chlorotoluene					CAS #: 95-49-8		
16.477	16.477 (1.142)	126	763826	50.0000	50.341	80.00- 120.00	100.00
16.477	16.477 (1.142)	91	2477021			294.29- 354.29	324.29
16.477	16.477 (1.142)	65	240754			1.52- 61.52	31.52
146 4-Chlorotoluene					CAS #: 106-43-4		
16.643	16.643 (1.153)	126	723168	50.0000	46.613	80.00- 120.00	100.00
16.643	16.643 (1.153)	91	2271204			284.06- 344.06	314.06
16.643	16.643 (1.153)	63	297473			11.13- 71.13	41.13
150 tert-Butylbenzene					CAS #: 98-06-6		
16.975	16.975 (1.176)	119	3232226	50.0000	47.841	80.00- 120.00	100.00
16.975	16.975 (1.176)	134	746191			0.00- 53.09	23.09
16.975	16.975 (1.176)	91	1741638			23.88- 83.88	53.88
151 Pentachloroethane					CAS #: 76-01-7		
17.030	17.030 (1.180)	167	724164	50.0000	49.224	80.00- 120.00	100.00
17.002	17.002 (1.178)	117	756378			74.45- 134.45	104.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene					CAS #: 135-98-8		
17.196	17.196 (1.192)	105	3758283	50.0000	49.507	80.00- 120.00	100.00
17.223	17.223 (1.194)	134	721739			0.00- 49.20	19.20
17.196	17.196 (1.192)	91	601838			0.00- 46.01	16.01
154 p-Cymene					CAS #: 99-87-6		
17.362	17.362 (1.203)	134	842226	50.0000	52.183	80.00- 120.00	100.00
17.362	17.362 (1.203)	119	3427586			376.97- 436.97	406.97
17.362	17.362 (1.203)	91	885985			75.20- 135.20	105.20
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.472	17.472 (1.211)	120	1094958	50.0000	50.767	80.00- 120.00	100.00
17.472	17.472 (1.211)	105	2746607			220.84- 280.84	250.84
17.472	17.472 (1.211)	77	350158			1.98- 61.98	31.98
159 Butylbenzene					CAS #: 104-51-8		
17.776	17.776 (1.232)	134	862766	50.0000	52.205	80.00- 120.00	100.00
17.776	17.776 (1.232)	91	2929953			309.60- 369.60	339.60
17.776	17.776 (1.232)	92	1559453			150.75- 210.75	180.75
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.523	18.523 (1.284)	157	845962	50.0000	48.969	80.00- 120.00	100.00
18.523	18.523 (1.284)	75	955947			83.00- 143.00	113.00
18.523	18.523 (1.284)	155	655444			47.48- 107.48	77.48

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8032607.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp16b

Calibration Date: 26-MAR-2008
Calibration Time: 11:36
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	235531	141319	329743	235531	0.00
88 1,4-Difluorobenze	1044946	626968	1462924	1044946	0.00
125 Chlorobenzene-d5	691829	415097	968561	691829	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

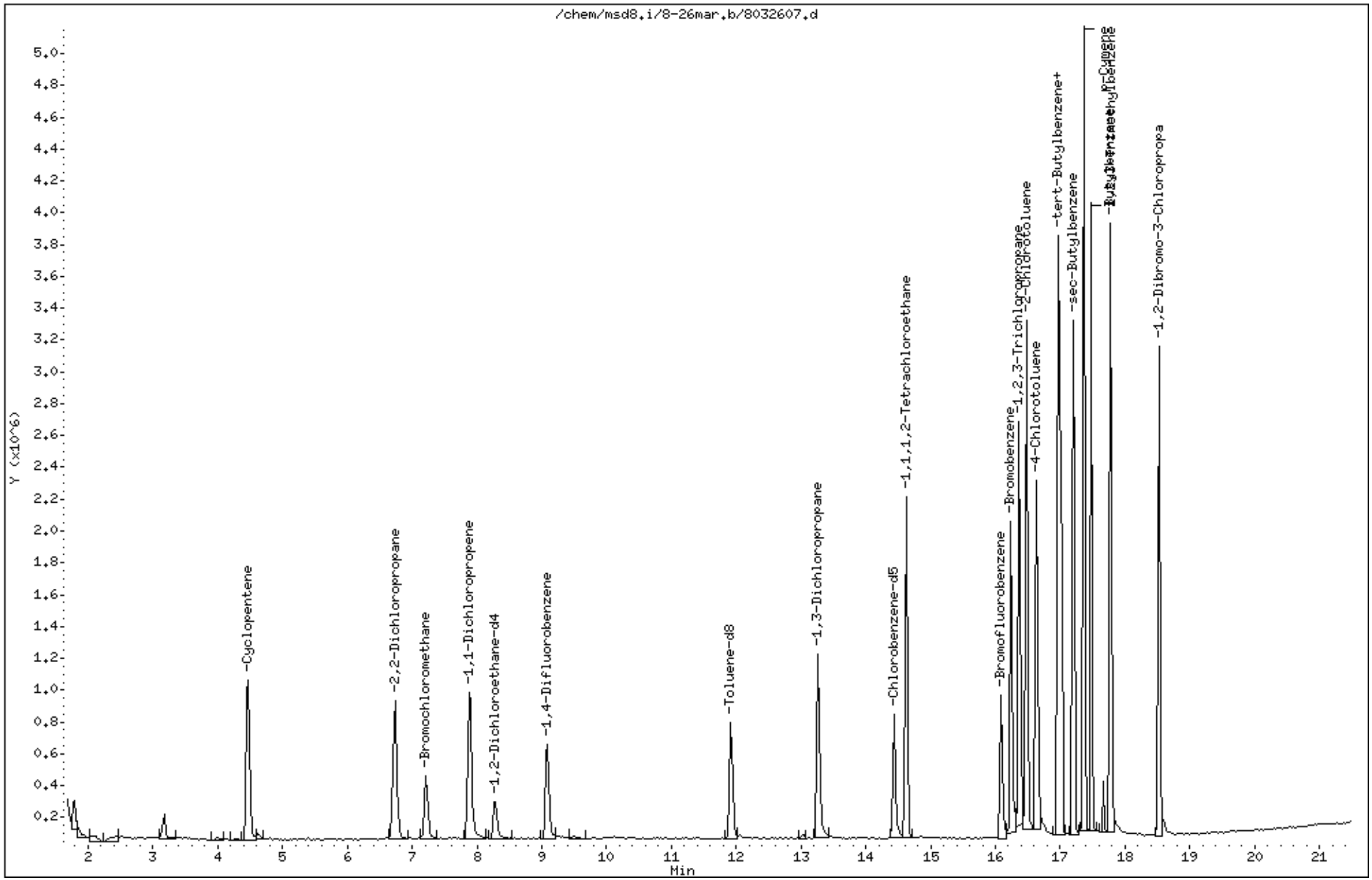
0137

Data File: /chem/msd8.i/8-26mar.b/8032607.d
Date : 26-MAR-2008 11:36
Client ID: Level 5
Sample Info: 50mL #1541-67

Instrument: msd8.i

Operator: ct

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032603.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 26-MAR-2008 09:42
Operator : ct Inst ID: msd8.i
Smp Info : 50mL #1576-313
Misc Info : 50ppbv (200ppbv) sp20b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 12:43 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 09:42 Cal File: 8032603.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.215	7.215 (1.000)	130	237391	25.0000		80.00- 120.00	100.00
7.215	7.215 (1.000)	128	189135			49.67- 109.67	79.67
7.215	7.215 (1.000)	49	523593			190.56- 250.56	220.56
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1071816	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	174080			0.00- 46.24	16.24
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	694006	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	442711			33.79- 93.79	63.79
1 Freon 152a					CAS #: 75-37-6		
1.933	1.933 (0.268)	65	342062	50.0000	41.266	80.00- 120.00	100.00
1.989	1.989 (0.276)	51	2031199			563.81- 623.81	593.81
2 Freon 22					CAS #: 75-45-6		
1.989	1.989 (0.276)	67	161413	50.0000	44.951	80.00- 120.00	100.00
1.989	1.989 (0.276)	51	2031199			1228.39-1288.39	1258.39

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.095	3.095 (0.429)	67	999696	50.0000	48.036	80.00- 120.00	100.00
3.095	3.095 (0.429)	69	308824			0.89- 60.89	30.89
2.929	2.929 (0.406)	35	1134			0.00- 30.11	0.11
20 Freon123a					CAS #: 354-23-4		
3.565	3.565 (0.494)	67	670926	50.0000	48.665	80.00- 120.00	100.00
3.565	3.565 (0.494)	117	409842			31.09- 91.09	61.09
21 Freon123					CAS #: 306-83-2		
3.675	3.675 (0.509)	83	73365	50.0000	49.514	80.00- 120.00	100.00
3.675	3.675 (0.509)	133	18690			0.00- 55.48	25.48
3.675	3.675 (0.509)	85	46964			34.01- 94.01	64.01
27 Freon142b					CAS #: 75-68-3		
2.155	2.155 (0.299)	65	1235141	50.0000	53.252	80.00- 120.00	100.00
2.155	2.155 (0.299)	45	358981			0.00- 59.06	29.06
32 Freon143a					CAS #: 420-46-2		
1.823	1.823 (0.253)	65	286154	50.0000	57.119	80.00- 120.00	100.00
1.823	1.823 (0.253)	69	1979320			661.70- 721.70	691.70
49 Isopropyl ether					CAS #: 108-20-3		
5.804	5.804 (0.805)	45	2896234	50.0000	50.563	80.00- 120.00	100.00
5.804	5.804 (0.805)	87	511018			0.00- 47.64	17.64
5.804	5.804 (0.805)	59	274722			0.00- 39.49	9.49
52 1-Propanol					CAS #: 71-23-8		
5.998	5.998 (0.831)	42	141190	50.0000	46.565	80.00- 120.00	100.00
5.998	5.998 (0.831)	59	138129			67.83- 127.83	97.83
5.998	5.998 (0.831)	41	102220			42.40- 102.40	72.40
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.413	6.413 (0.889)	59	2209388	50.0000	53.311	80.00- 120.00	100.00
6.413	6.413 (0.889)	87	721870			2.67- 62.67	32.67
6.413	6.413 (0.889)	41	545923			0.00- 54.71	24.71
61 Ethyl Acetate					CAS #: 141-78-6		
6.910	6.910 (0.958)	70	149764	50.0000	47.079	80.00- 120.00	100.00
6.910	6.910 (0.958)	43	1964988			1282.06-1342.06	1312.06
6.910	6.910 (0.958)	61	213534			112.58- 172.58	142.58
78 Isobutanol					CAS #: 78-83-1		
8.238	8.238 (0.906)	43	687190	50.0000	51.214	80.00- 120.00	100.00
8.238	8.238 (0.906)	41	517828			45.35- 105.35	75.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.459	8.459 (1.172)	73	1710271	50.0000	53.195	80.00- 120.00	100.00
8.459	8.459 (1.172)	87	409902			0.00- 53.97	23.97
8.459	8.459 (1.172)	55	670562			9.21- 69.21	39.21
89 1-Butanol					CAS #: 71-36-3		
9.537	9.537 (1.049)	56	460847	50.0000	50.739	80.00- 120.00	100.00
9.537	9.537 (1.049)	41	385703			53.69- 113.69	83.69
9.537	9.537 (1.049)	43	298553			34.78- 94.78	64.78
113 Butyl Acetate					CAS #: 123-86-4		
13.629	13.629 (1.499)	56	783746	50.0000	57.117	80.00- 120.00	100.00
13.629	13.629 (1.499)	73	256248			2.70- 62.70	32.70
13.629	13.629 (1.499)	43	2009199			226.36- 286.36	256.36
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.809	16.809 (1.165)	57	2162677	50.0000	54.105	80.00- 120.00	100.00
16.809	16.809 (1.165)	85	1602290			44.09- 104.09	74.09
133 2-Heptanone					CAS #: 110-43-0		
15.620	15.620 (1.082)	58	1043771	50.0000	59.603	80.00- 120.00	100.00
15.620	15.620 (1.082)	43	1867531			148.92- 208.92	178.92
136 Cyclohexanone					CAS #: 108-94-1		
16.007	16.007 (1.109)	55	1049074	50.0000	54.647	80.00- 120.00	100.00
16.007	16.007 (1.109)	98	380871			6.31- 66.31	36.31
16.007	16.007 (1.109)	42	814533			47.64- 107.64	77.64

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8032603.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp20b

Calibration Date: 26-MAR-2008
Calibration Time: 09:42
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	237391	142435	332347	237391	0.00
88 1,4-Difluorobenze	1071816	643090	1500542	1071816	0.00
125 Chlorobenzene-d5	694006	416404	971608	694006	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

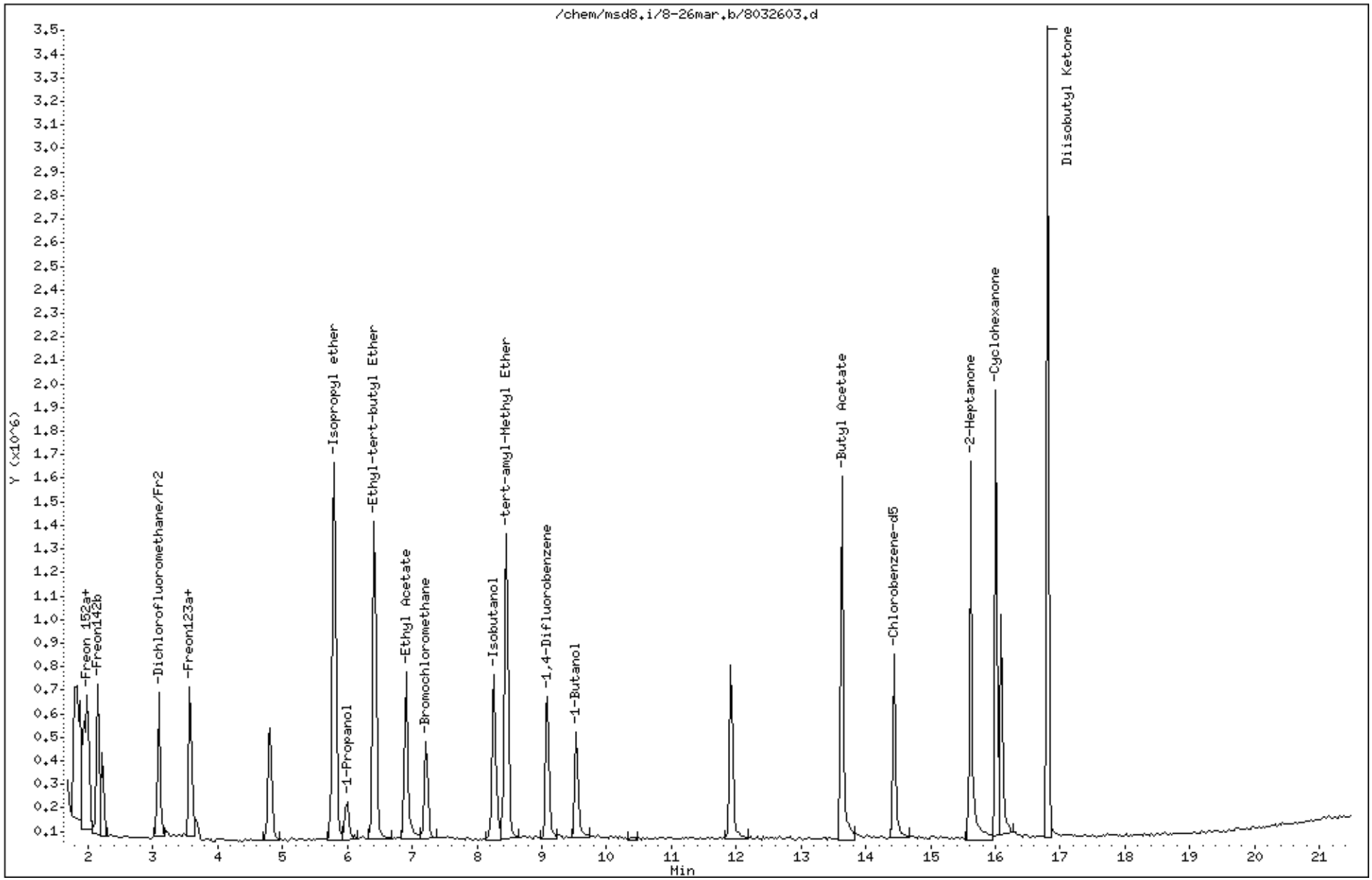
0142

Data File: /chem/msd8.i/8-26mar.b/8032603.d
Date : 26-MAR-2008 09:42
Client ID: Level 5
Sample Info: 50mL #1576-313

Column phase: RTx-624

Instrument: msd8.i

Operator: ct
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030715.d
Lab Smp Id: ICAL Client Smp ID: Level 5
Inj Date : 07-MAR-2008 18:18
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-271
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:26 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 18:18 Cal File: 8030715.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	293004	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	237625			51.10- 111.10	81.10
7.214	7.214 (1.000)	49	644927			190.11- 250.11	220.11
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1382376	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	232812			0.00- 46.84	16.84
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	855859	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	555947			34.96- 94.96	64.96
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.265	8.265 (1.146)	65	532540	25.0000	26.319	80.00- 120.00	100.00
8.265	8.265 (1.146)	67	296046			25.59- 85.59	55.59
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1296964	25.0000	24.766	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	141565			0.00- 40.92	10.92

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	940372			42.51- 102.51	72.51
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	551325	25.0000	26.015	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	706936			98.22- 158.22	128.22
16.090	16.090 (1.115)	176	531069			66.33- 126.33	96.33
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	843359	50.0000	47.740	80.00- 120.00	100.00
1.933	1.933 (0.268)	42	534616			33.39- 93.39	63.39
1.933	1.933 (0.268)	39	605685			41.82- 101.82	71.82
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	2020642	50.0000	45.199	80.00- 120.00	100.00
1.989	1.989 (0.276)	87	632745			1.31- 61.31	31.31
6 Freon 114					CAS #: 76-14-2		
2.072	2.072 (0.287)	135	1234198	50.0000	39.852	80.00- 120.00	100.00
2.072	2.072 (0.287)	137	379819			0.77- 60.77	30.77
8 Chloromethane					CAS #: 74-87-3		
2.182	2.182 (0.302)	50	1008309	50.0000	45.311	80.00- 120.00	100.00
2.182	2.182 (0.302)	52	269181			0.00- 56.70	26.70
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	197708	50.0000	40.293	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1703066			831.40- 891.40	861.40
11 Vinyl Chloride					CAS #: 75-01-4		
2.321	2.321 (0.322)	62	939055	50.0000	40.543	80.00- 120.00	100.00
2.321	2.321 (0.322)	64	288797			0.75- 60.75	30.75
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.322)	54	830865	50.0000	42.945	80.00- 120.00	100.00
2.321	2.321 (0.322)	39	1049855			96.36- 156.36	126.36
13 Bromomethane					CAS #: 74-83-9		
2.735	2.735 (0.379)	94	607686	50.0000	44.482	80.00- 120.00	100.00
2.735	2.735 (0.379)	96	562275			62.53- 122.53	92.53
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	474673	50.0000	43.448	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	155521			2.76- 62.76	32.76
2.846	2.846 (0.394)	66	144361			0.41- 60.41	30.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	1510755	50.0000	43.890	80.00- 120.00	100.00
2.846	2.846 (0.394)	57	935521			31.92- 91.92	61.92
2.846	2.846 (0.394)	72	84349			0.00- 35.58	5.58
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	2000364	50.0000	41.989	80.00- 120.00	100.00
3.095	3.095 (0.429)	103	1275751			33.78- 93.78	63.78
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	435157	50.0000	45.863	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	97034			0.00- 52.30	22.30
3.399	3.399 (0.471)	46	168046			8.62- 68.62	38.62
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	1034117	50.0000	40.902	80.00- 120.00	100.00
3.814	3.814 (0.529)	153	635178			31.42- 91.42	61.42
3.786	3.786 (0.525)	101	1407824			106.14- 166.14	136.14
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1457396	50.0000	39.621	80.00- 120.00	100.00
3.841	3.841 (0.532)	96	711666			18.83- 78.83	48.83
3.841	3.841 (0.532)	98	465183			1.92- 61.92	31.92
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	481522	50.0000	42.277	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	1836758			351.45- 411.45	381.45
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	2384975	50.0000	42.235	80.00- 120.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	2033535	50.0000	46.825	80.00- 120.00	100.00
4.145	4.145 (0.575)	43	409439			0.00- 50.13	20.13
4.145	4.145 (0.575)	59	73068			0.00- 33.59	3.59
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	398366	50.0000	46.610	80.00- 120.00	100.00
4.422	4.422 (0.613)	41	1623401			377.51- 437.51	407.51
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	1567803	50.0000	44.147	80.00- 120.00	100.00
4.781	4.781 (0.663)	41	432123			0.00- 57.56	27.56
4.809	4.809 (0.667)	57	159886			0.00- 40.20	10.20
40 Methylene Chloride					CAS #: 75-09-2		
4.643	4.643 (0.644)	49	1233008	50.0000	40.622	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.671	4.671 (0.647)	84	670187			24.35- 84.35	54.35
4.643	4.643 (0.644)	51	366819			0.00- 59.75	29.75
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	2109318	50.0000	51.737	80.00- 120.00	100.00
5.003	5.003 (0.693)	57	589300			0.00- 57.94	27.94
5.003	5.003 (0.693)	41	668277			1.68- 61.68	31.68
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	846028	50.0000	40.626	80.00- 120.00	100.00
5.030	5.030 (0.697)	61	1528015			150.61- 210.61	180.61
5.030	5.030 (0.697)	98	537652			33.55- 93.55	63.55
46 Hexane					CAS #: 110-54-3		
5.362	5.362 (0.743)	57	1885473	50.0000	43.859	80.00- 120.00	100.00
5.362	5.362 (0.743)	43	1338436			40.99- 100.99	70.99
5.362	5.362 (0.743)	86	237455			0.00- 42.59	12.59
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	1768369	50.0000	43.865	80.00- 120.00	100.00
5.777	5.777 (0.801)	65	546229			0.89- 60.89	30.89
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	207786	50.0000	48.341	80.00- 120.00	100.00
5.860	5.860 (0.812)	43	3064532			1444.85-1504.85	1474.85
5.860	5.860 (0.812)	42	252564			91.55- 151.55	121.55
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1353775	50.0000	42.095	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	827412			31.12- 91.12	61.12
6.800	6.800 (0.942)	98	522984			8.63- 68.63	38.63
65 2-Butanone					CAS #: 78-93-3		
6.827	6.827 (0.946)	72	446032	50.0000	45.619	80.00- 120.00	100.00
6.827	6.827 (0.946)	43	2441924			517.48- 577.48	547.48
6.827	6.827 (0.946)	57	170361			8.19- 68.19	38.19
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1452088	50.0000	41.732	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	403993			0.00- 57.82	27.82
7.214	7.214 (1.000)	72	439067			0.24- 60.24	30.24
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1612992	50.0000	39.196	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	989784			31.36- 91.36	61.36

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1264476	50.0000	41.488	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1841503			115.63- 175.63	145.63
7.574	7.574 (1.050)	41	1127457			59.16- 119.16	89.16
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	1623501	50.0000	41.234	80.00- 120.00	100.00
7.602	7.602 (1.054)	99	1044104			34.31- 94.31	64.31
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1382633	50.0000	44.727	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1446862			74.65- 134.65	104.65
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	2676849	50.0000	37.267	80.00- 120.00	100.00
8.238	8.238 (0.906)	77	638411			0.00- 53.85	23.85
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.265	8.265 (1.146)	57	5588243	50.0000	43.504	80.00- 120.00	100.00
8.265	8.265 (1.146)	56	1767526			1.63- 61.63	31.63
8.265	8.265 (1.146)	41	1601727			0.00- 58.66	28.66
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1286329	50.0000	44.226	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	375339			0.00- 59.18	29.18
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	301259	50.0000	39.592	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	2305392			735.25- 795.25	765.25
8.680	8.680 (0.954)	71	999210			301.68- 361.68	331.68
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	1046330	50.0000	37.377	80.00- 120.00	100.00
9.482	9.482 (1.043)	130	962244			61.96- 121.96	91.96
9.482	9.482 (1.043)	97	672988			34.32- 94.32	64.32
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	1697517	50.0000	42.469	80.00- 120.00	100.00
9.703	9.703 (1.345)	98	780197			15.96- 75.96	45.96
9.703	9.703 (1.345)	55	1702590			70.30- 130.30	100.30
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	9.979 (1.097)	63	1079266	50.0000	39.567	80.00- 120.00	100.00
9.979	9.979 (1.097)	62	740233			38.59- 98.59	68.59
9.979	9.979 (1.097)	41	734576			38.06- 98.06	68.06

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	596767	50.0000	46.534	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	515904			56.45- 116.45	86.45
10.228	10.228 (1.125)	57	167192			0.00- 58.02	28.02
100 Bromodichloromethane					CAS #: 75-27-4		
10.532	10.532 (1.158)	83	1635825	50.0000	41.818	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	992043			30.64- 90.64	60.64
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.473	11.473 (1.261)	75	1335908	50.0000	41.170	80.00- 120.00	100.00
11.473	11.473 (1.261)	77	416999			1.21- 61.21	31.21
11.473	11.473 (1.261)	39	945107			40.75- 100.75	70.75
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	938081	50.0000	41.530	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	2711647			259.06- 319.06	289.06
11.832	11.832 (1.301)	85	333964			5.60- 65.60	35.60
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2778247	50.0000	42.261	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1679316			30.45- 90.45	60.45
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1257274	50.0000	49.521	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	410360			2.64- 62.64	32.64
12.689	12.689 (0.879)	39	874392			39.55- 99.55	69.55
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.966	12.966 (0.898)	97	925786	50.0000	44.137	80.00- 120.00	100.00
12.966	12.966 (0.898)	99	581804			32.84- 92.84	62.84
12.966	12.966 (0.898)	83	805055			56.96- 116.96	86.96
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	1218056	50.0000	40.588	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	861393			40.72- 100.72	70.72
13.021	13.021 (0.902)	131	828713			38.04- 98.04	68.04
114 2-Hexanone					CAS #: 591-78-6		
13.408	13.408 (0.929)	58	1166363	50.0000	45.945	80.00- 120.00	100.00
13.408	13.408 (0.929)	43	2652197			197.39- 257.39	227.39
13.436	13.436 (0.931)	100	194358			0.00- 46.66	16.66
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1315419	50.0000	42.676	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	1020382			47.57- 107.57	77.57

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1452813	50.0000	41.997	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1361801			63.74- 123.74	93.74
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	2218680	50.0000	41.696	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	709831			1.99- 61.99	31.99
14.486	14.486 (1.004)	77	1400675			33.13- 93.13	63.13
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	1218626	50.0000	46.479	80.00- 120.00	100.00
14.625	14.625 (1.013)	91	3982683			296.82- 356.82	326.82
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1466396	50.0000	43.307	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	3070614			179.40- 239.40	209.40
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	1406949	50.0000	42.718	80.00- 120.00	100.00
15.343	15.343 (1.063)	91	3160121			194.61- 254.61	224.61
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	2308455	50.0000	41.583	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1249329			24.12- 84.12	54.12
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	1288208	50.0000	48.989	80.00- 120.00	100.00
15.648	15.648 (1.084)	171	653989			20.77- 80.77	50.77
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	4468410	50.0000	42.616	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	1117938			0.00- 55.02	25.02
15.841	15.841 (1.098)	51	567679			0.00- 42.70	12.70
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	2112505	50.0000	44.452	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1283986			30.78- 90.78	60.78
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	5542287	50.0000	46.597	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1150441			0.00- 50.76	20.76
16.366	16.366 (1.134)	105	186405			0.00- 33.36	3.36
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	4188570	50.0000	46.931	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1181043			0.00- 58.20	28.20

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	3856361	50.0000	41.403	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	1795845			16.57- 76.57	46.57
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	3704262	50.0000	45.002	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1577728			12.59- 72.59	42.59
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.334 (1.201)	146	2139869	50.0000	43.225	80.00- 120.00	100.00
17.334	17.334 (1.201)	148	1336029			32.44- 92.44	62.44
17.334	17.334 (1.201)	111	987476			16.15- 76.15	46.15
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2724487	50.0000	42.506	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1696191			32.26- 92.26	62.26
17.445	17.445 (1.209)	111	1193364			13.80- 73.80	43.80
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.583	17.583 (1.218)	91	3023792	50.0000	54.607	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	534912			0.00- 47.69	17.69
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2403063	50.0000	43.127	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1506739			32.70- 92.70	62.70
17.804	17.804 (1.234)	111	1116769			16.47- 76.47	46.47
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	1823396	50.0000	40.461	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	1769158			67.03- 127.03	97.03
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1769096	50.0000	43.228	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	1134162			34.11- 94.11	64.11
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	3642764	50.0000	40.592	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	467008			0.00- 42.82	12.82

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030715.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 5
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	293004	0.00
88 1,4-Difluorobenze	1382376	829426	1935326	1382376	0.00
125 Chlorobenzene-d5	855859	513515	1198203	855859	0.00

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

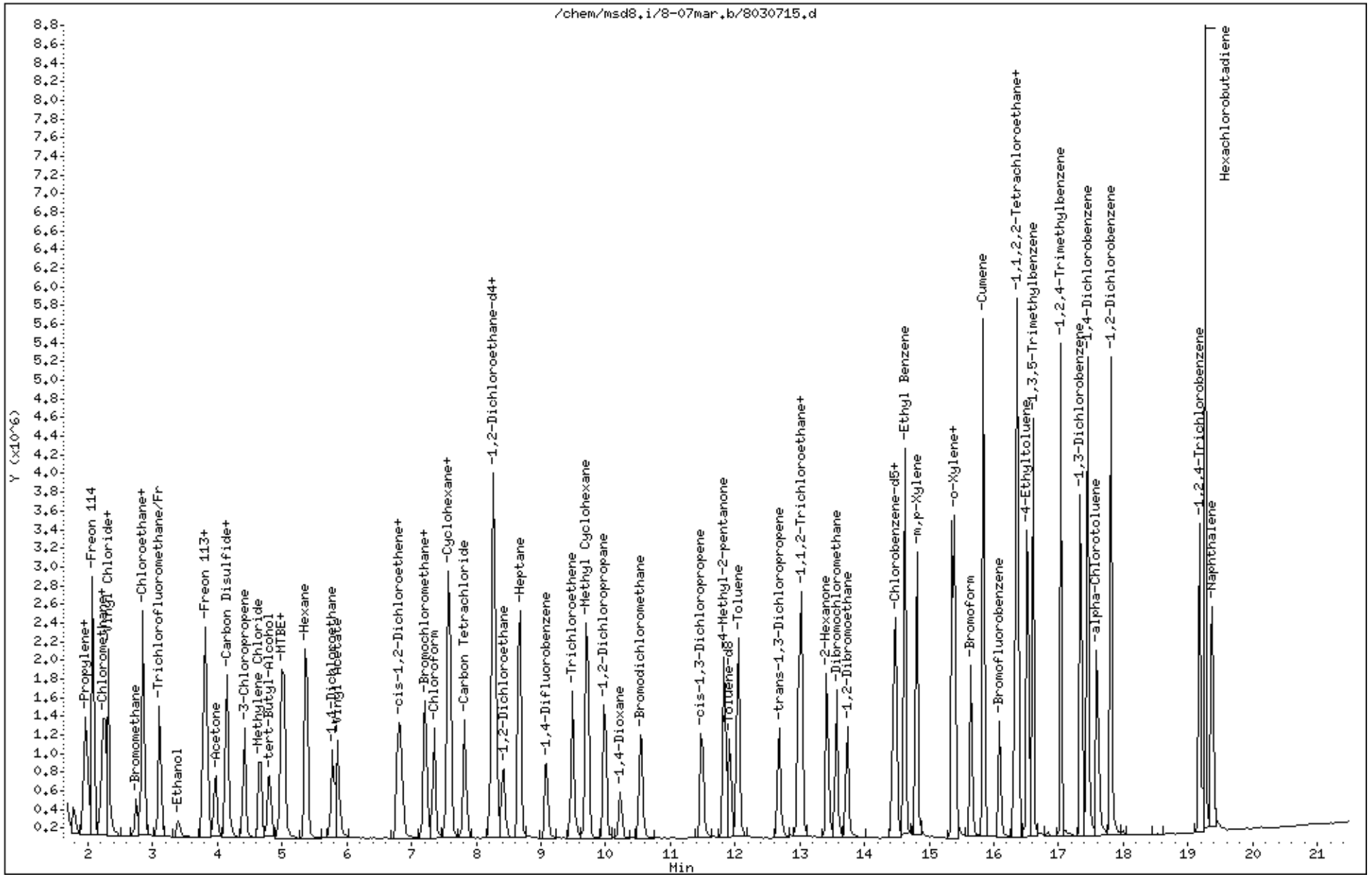
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0152

Data File: /chem/msd8.i/8-07mar.b/8030715.d
Date : 07-MAR-2008 18:18
Client ID: Level 5
Sample Info: 50mL #1576-271

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030716.d
Lab Smp Id: ICAL Client Smp ID: Level 6
Inj Date : 07-MAR-2008 18:46
Operator : cb Inst ID: msd8.i
Smp Info : 100mL #1576-271
Misc Info : 100ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:26 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 18:46 Cal File: 8030716.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	281293	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	221099			51.10- 111.10	78.60
7.214	7.214 (1.000)	49	681860			190.11- 250.11	242.40
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1400592	25.0000		70.00- 130.00	100.00
9.067	9.067 (1.000)	88	237107			0.00- 46.84	16.93
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	871748	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	552226			0.00- 30.00	63.35
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.265	8.265 (1.146)	65	541024	25.0000	27.332	70.00- 130.00	100.00
8.265	8.265 (1.146)	67	328126			0.00- 30.00	60.65
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1313502	25.0000	24.796	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	150374			0.00- 30.00	11.45

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	1045965			0.00- 30.00	79.63
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	563048	25.0000	25.897	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	758199			98.22- 158.22	134.66
16.090	16.090 (1.115)	176	527435			66.33- 126.33	93.67
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	1600738	100.000	95.729	70.00- 130.00	100.00
1.933	1.933 (0.268)	42	1037305			0.00- 30.00	64.80
1.933	1.933 (0.268)	39	1178311			0.00- 30.00	73.61
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	3756390	100.000	89.763	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	1205657			0.00- 30.00	32.10
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.291)	135	2407637	100.000	84.181	70.00- 130.00	100.00
2.099	2.099 (0.291)	137	743508			0.77- 60.77	30.88
8 Chloromethane					CAS #: 74-87-3		
2.210	2.210 (0.306)	50	1921990	100.000	92.280	70.00- 130.00	100.00
2.210	2.210 (0.306)	52	572945			0.00- 30.00	29.81
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	388254	100.000	86.209	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	3409606			0.00- 30.00	878.19
11 Vinyl Chloride					CAS #: 75-01-4		
2.321	2.321 (0.322)	62	1840172	100.000	85.712	70.00- 130.00	100.00
2.321	2.321 (0.322)	64	558022			0.00- 30.00	30.32
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.321 (0.322)	54	1621786	100.000	89.588	70.00- 130.00	100.00
2.321	2.321 (0.322)	39	1881469			0.00- 30.00	116.01
13 Bromomethane					CAS #: 74-83-9		
2.735	2.735 (0.379)	94	1221009	100.000	94.401	70.00- 130.00	100.00
2.735	2.735 (0.379)	96	1118821			62.53- 122.53	91.63
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	952609	100.000	92.523	70.00- 130.00	100.00
2.846	2.846 (0.394)	49	297812			0.00- 30.00	31.26
2.846	2.846 (0.394)	66	297006			0.00- 30.00	31.18

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.846	2.846 (0.394)	43	2955166	100.000	91.855	70.00- 130.00	100.00
2.846	2.846 (0.394)	57	1807280			0.00- 30.00	61.16
2.846	2.846 (0.394)	72	165501			0.00- 30.00	5.60
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.095 (0.429)	101	3935793	100.000	88.523	70.00- 130.00	100.00
3.095	3.095 (0.429)	103	2502936			33.78- 93.78	63.59
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	802740	100.000	90.823	70.00- 130.00	100.00
3.399	3.399 (0.471)	43	157226			0.00- 30.00	19.59
3.426	3.426 (0.475)	46	319531			0.00- 30.00	39.81
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	1943559	100.000	83.398	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	1245466			31.42- 91.42	64.08
3.814	3.814 (0.529)	101	2747008			106.14- 166.14	141.34
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	2811032	100.000	82.988	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	1365688			18.83- 78.83	48.58
3.841	3.841 (0.532)	98	866847			1.92- 61.92	30.84
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	978019	100.000	91.868	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	3608719			0.00- 30.00	368.98
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	4650415	100.000	88.293	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.145	4.145 (0.575)	45	4041393	100.000	97.682	70.00- 130.00	100.00
4.145	4.145 (0.575)	43	823968			0.00- 30.00	20.39
4.145	4.145 (0.575)	59	138161			0.00- 30.00	3.42
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	808194	100.000	98.870	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	3177491			0.00- 30.00	393.16
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.781	4.781 (0.663)	59	2586327	100.000	80.731	70.00- 130.00	100.00
4.781	4.781 (0.663)	41	692279			0.00- 30.00	26.77
4.781	4.781 (0.663)	57	262835			0.00- 30.00	10.16
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	2426826	100.000	86.162	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.671	4.671 (0.647)	84	1340115			24.35- 84.35	55.22
4.671	4.671 (0.647)	51	732078			0.00- 30.00	30.17
43 MTBE					CAS #: 1634-04-4		
5.003	5.003 (0.693)	73	3980887	100.000	101.36	70.00- 130.00	100.00(A)
5.003	5.003 (0.693)	57	1133657			0.00- 57.94	28.48
5.003	5.003 (0.693)	41	1253999			0.00- 30.00	31.50
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	1662611	100.000	86.060	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	3013549			150.61- 210.61	181.25
5.030	5.030 (0.697)	98	1047318			0.00- 30.00	62.99
46 Hexane					CAS #: 110-54-3		
5.362	5.362 (0.743)	57	3626850	100.000	90.062	70.00- 130.00	100.00
5.362	5.362 (0.743)	43	2614375			0.00- 30.00	72.08
5.390	5.390 (0.747)	86	494619			0.00- 30.00	13.64
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	3554556	100.000	93.366	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	1066808			0.89- 60.89	30.01
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	430722	100.000	103.25	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	6309119			0.00- 30.00	1464.78
5.860	5.860 (0.812)	42	513105			0.00- 30.00	119.13
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	2650027	100.000	88.336	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	1651181			31.12- 91.12	62.31
6.800	6.800 (0.942)	98	1054937			8.63- 68.63	39.81
65 2-Butanone					CAS #: 78-93-3		
6.827	6.827 (0.946)	72	864580	100.000	93.586	70.00- 130.00	100.00
6.827	6.827 (0.946)	43	4869916			517.48- 577.48	563.27
6.827	6.827 (0.946)	57	311044			0.00- 30.00	35.98
67 Tetrahydrofuran					CAS #: 109-99-9		
7.187	7.187 (0.996)	42	2890829	100.000	88.934	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	799311			0.00- 57.82	27.65
7.214	7.214 (1.000)	72	841263			0.00- 30.00	29.10
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	3243436	100.000	84.623	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	1987168			31.36- 91.36	61.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	2480115	100.000	87.425	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	3624410			115.63- 175.63	146.14
7.574	7.574 (1.050)	41	2172035			59.16- 119.16	87.58
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	3291235	100.000	89.384	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	2076261			34.31- 94.31	63.08
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	2750718	100.000	94.064	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	2897262			74.65- 134.65	105.33
81 Benzene					CAS #: 71-43-2		
8.238	8.238 (0.906)	78	5292833	100.000	76.192	70.00- 130.00	100.00
8.238	8.238 (0.906)	77	1229416			0.00- 30.00	23.23
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	11202279	100.000	92.536	70.00- 130.00	100.00
8.265	8.265 (1.146)	56	3515080			0.00- 30.00	31.38
8.265	8.265 (1.146)	41	3176797			0.00- 30.00	28.36
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	2576230	100.000	89.678	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	781886			0.00- 30.00	30.35
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	572008	100.000	78.235	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	4592829			0.00- 30.00	802.93
8.680	8.680 (0.954)	71	1975970			0.00- 30.00	345.44
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	2092020	100.000	77.845	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	1904486			61.96- 121.96	91.04
9.482	9.482 (1.043)	97	1312985			34.32- 94.32	62.76
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	3331001	100.000	89.158	70.00- 130.00	100.00
9.703	9.703 (1.345)	98	1504203			0.00- 30.00	45.16
9.703	9.703 (1.345)	55	3379641			0.00- 30.00	101.46
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	9.979 (1.097)	63	2097933	100.000	79.755	70.00- 130.00	100.00
9.979	9.979 (1.097)	62	1432163			38.59- 98.59	68.27
9.979	9.979 (1.097)	41	1451535			38.06- 98.06	69.19

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	1190159	100.000	93.563	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	1022032			56.45- 116.45	85.87
10.228	10.228 (1.125)	57	324314			0.00- 30.00	27.25
100 Bromodichloromethane					CAS #: 75-27-4		
10.532	10.532 (1.158)	83	3232478	100.000	84.683	70.00- 130.00	100.00
10.532	10.532 (1.158)	85	1975983			30.64- 90.64	61.13
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.472	11.472 (1.261)	75	2643885	100.000	83.697	70.00- 130.00	100.00
11.472	11.472 (1.261)	77	842529			1.21- 61.21	31.87
11.472	11.472 (1.261)	39	1840995			40.75- 100.75	69.63
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	1806421	100.000	82.404	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	5338971			0.00- 30.00	295.56
11.832	11.832 (1.301)	85	663459			0.00- 30.00	36.73
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	5485287	100.000	85.366	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	3296657			30.45- 90.45	60.10
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	2626642	100.000	101.25	70.00- 130.00	100.00
12.689	12.689 (0.879)	77	835235			2.64- 62.64	31.80
12.661	12.661 (0.877)	39	1764037			39.55- 99.55	67.16
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.966	12.966 (0.898)	97	1803739	100.000	87.141	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	1125460			32.84- 92.84	62.40
12.966	12.966 (0.898)	83	1620151			56.96- 116.96	89.82
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	2404040	100.000	82.156	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	1720092			40.72- 100.72	71.55
13.021	13.021 (0.902)	131	1677363			38.04- 98.04	69.77
114 2-Hexanone					CAS #: 591-78-6		
13.408	13.408 (0.929)	58	2406452	100.000	94.708	70.00- 130.00	100.00
13.408	13.408 (0.929)	43	5154874			197.39- 257.39	214.21
13.436	13.436 (0.931)	100	394473			0.00- 30.00	16.39
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	2682285	100.000	87.998	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	2094119			0.00- 30.00	78.07

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	2874819	100.000	84.708	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	2702171			63.74- 123.74	93.99
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	4358075	100.000	83.688	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	1350120			1.99- 61.99	30.98
14.486	14.486 (1.004)	77	2731180			33.13- 93.13	62.67
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.625 (1.013)	106	2383722	100.000	91.218	70.00- 130.00	100.00
14.625	14.625 (1.013)	91	7981035			0.00- 30.00	334.81
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	2951578	100.000	88.121	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	6146356			0.00- 30.00	208.24
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	2776165	100.000	85.710	70.00- 130.00	100.00
15.343	15.343 (1.063)	91	6205199			194.61- 254.61	223.52
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	4775675	100.000	86.704	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	2492406			24.12- 84.12	52.19
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	2598548	100.000	97.601	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	1345044			20.77- 80.77	51.76
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	8786355	100.000	84.774	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	2188685			0.00- 30.00	24.91
15.841	15.841 (1.098)	51	1090334			0.00- 30.00	12.41
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	4189507	100.000	88.943	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	2551862			30.78- 90.78	60.91
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	11503751	100.000	95.924	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	2292628			0.00- 30.00	19.93
16.366	16.366 (1.134)	105	391281			0.00- 30.00	3.40
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	8381832	100.000	93.663	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	2328920			0.00- 58.20	27.79

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	7565543	100.000	83.112	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	3547125			0.00- 30.00	46.89
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	7497162	100.000	91.354	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	3085315			12.59- 72.59	41.15
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.334 (1.201)	146	4196707	100.000	86.116	70.00- 130.00	100.00
17.334	17.334 (1.201)	148	2630379			0.00- 30.00	62.68
17.334	17.334 (1.201)	111	1937851			0.00- 30.00	46.18
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	5479035	100.000	86.712	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	3423140			0.00- 30.00	62.48
17.445	17.445 (1.209)	111	1967494			0.00- 30.00	35.91
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.583	17.583 (1.218)	91	6248831	100.000	108.45	70.00- 130.00	100.00
17.611	17.611 (1.220)	126	1088111			0.00- 30.00	17.41
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	4736386	100.000	86.310	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	2914184			32.70- 92.70	61.53
17.804	17.804 (1.234)	111	2163092			16.47- 76.47	45.67
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	3589647	100.000	82.709	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	3416109			67.03- 127.03	95.17
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	3565041	100.000	88.736	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	2279631			34.11- 94.11	63.94
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	7280835	100.000	83.921	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	907783			0.00- 30.00	12.47

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: msd8.i
Lab File ID: 8030716.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 100ppbv (200ppbv)

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 6
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	281293	-4.00
88 1,4-Difluorobenze	1382376	829426	1935326	1400592	1.32
125 Chlorobenzene-d5	855859	513515	1198203	871748	1.86

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

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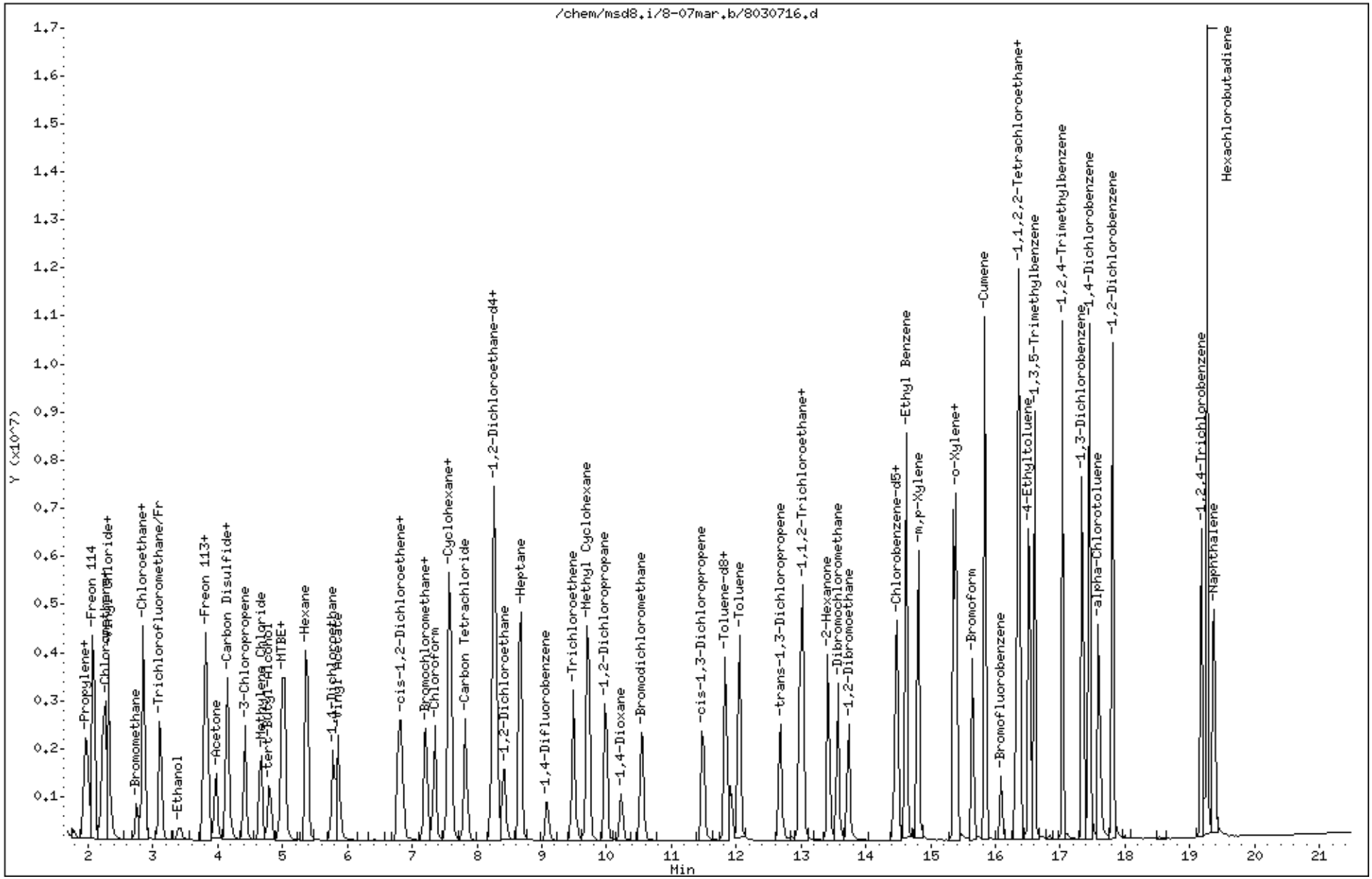
Data File: /chem/msd8.i/8-07mar.b/8030716.d
Date : 07-MAR-2008 18:46
Client ID: Level 6
Sample Info: 100mL #1576-271

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-01apr.b/8040107.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 01-APR-2008 10:36
Operator : cb Inst ID: msd8.i
Smp Info : 200mL #1576-319
Misc Info : 200ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-01apr.b/t14q307c.m
Meth Date : 01-Apr-2008 11:01 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp19c.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane					CAS #: 74-97-5			
7.214	7.214 (1.000)	130	259566	25.0000		70.00- 130.00		100.00
7.214	7.214 (1.000)	128	190573			44.71- 104.71		73.42
7.214	7.214 (1.000)	49	515834			174.97- 234.97		198.73
* 88 1,4-Difluorobenzene					CAS #: 540-36-3			
9.095	9.095 (1.000)	114	1094241	25.0000		70.00- 130.00		100.00
9.095	9.095 (1.000)	88	175256			0.00- 46.06		16.02
* 125 Chlorobenzene-d5					CAS #: 3114-55-4			
14.431	14.431 (1.000)	117	699444	25.0000		70.00- 130.00		100.00
14.431	14.431 (1.000)	82	428320			0.00- 30.00		61.24
7 Isobutane					CAS #: 75-28-5			
2.099	2.099 (0.291)	43	6286282	200.000	145.71	70.00- 130.00		100.00
2.099	2.099 (0.291)	42	2104046			0.00- 30.00		33.47
2.099	2.099 (0.291)	58	146274			0.00- 30.00		2.33
19 Pentane					CAS #: 109-66-0			
3.178	3.178 (0.440)	43	6751147	200.000	142.36	70.00- 130.00		100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
19 Pentane (continued)							
3.178	3.178 (0.440)	57	920303			0.00- 30.00	13.63
3.178	3.178 (0.440)	72	509938			0.00- 30.00	7.55
25 Acrolein					CAS #: 107-02-8		
3.758	3.758 (0.521)	55	1028760	200.000	158.90	70.00- 130.00	100.00
3.758	3.758 (0.521)	56	1421523			0.00- 30.00	138.18
35 Acetonitrile					CAS #: 75-05-8		
4.505	4.505 (0.624)	40	1517701	200.000	145.49	70.00- 130.00	100.00
4.505	4.505 (0.624)	41	2484408			0.00- 30.00	163.70
4.505	4.505 (0.624)	38	290310			0.00- 30.00	19.13
41 Acrylonitrile					CAS #: 107-13-1		
5.141	5.141 (0.713)	53	2844863	200.000	167.44	70.00- 130.00	100.00
5.141	5.141 (0.713)	52	2301534			0.00- 30.00	80.90
44 1-Pentene					CAS #: 109-67-1		
3.122	3.122 (0.433)	55	3600947	200.000	146.75	70.00- 130.00	100.00(T)
3.122	3.122 (0.433)	42	5454142			0.00- 30.00	151.46
0.000	1.000 (0.000)	0	0			0.00- 30.00	0.00
47 Ethyl Ether					CAS #: 60-29-7		
3.482	3.482 (0.483)	74	1440662	200.000	149.11	70.00- 130.00	100.00(T)
3.482	3.482 (0.483)	59	2377910			0.00- 30.00	165.06
0.000	1.000 (0.000)	31	0			0.00- 30.00	0.00
56 Iodomethane					CAS #: 74-88-4		
4.090	4.090 (0.567)	142	5193618	200.000	174.12	70.00- 130.00	100.00
4.090	4.090 (0.567)	127	2252717			0.00- 30.00	43.37
62 1-Hexene					CAS #: 592-41-6		
5.251	5.251 (0.728)	55	2535804	200.000	152.95	70.00- 130.00	100.00
5.251	5.251 (0.728)	41	4301420			0.00- 30.00	169.63
5.251	5.251 (0.728)	84	858756			0.00- 30.00	33.87
63 Methyl Acrylate					CAS #: 96-33-3		
6.966	6.966 (0.966)	55	6192227	200.000	181.09	70.00- 130.00	100.00
6.966	6.966 (0.966)	85	786019			0.00- 30.00	12.69
6.966	6.966 (0.966)	58	524658			0.00- 30.00	8.47
90 Methyl Methacrylate					CAS #: 80-62-6		
10.256	10.256 (1.128)	41	5464535	200.000	182.18	70.00- 130.00	100.00
10.256	10.256 (1.128)	69	3010803			0.00- 30.00	55.10
10.256	10.256 (1.128)	100	1166684			0.00- 30.00	21.35

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
91 2-Pentanone					CAS #: 107-87-9		
9.979	9.979 (1.097)	43	10200994	200.000	186.99	70.00- 130.00	100.00
9.979	9.979 (1.097)	58	682048			0.00- 30.00	6.69
9.979	9.979 (1.097)	86	1352136			0.00- 30.00	13.25
93 Ethyl Acrylate					CAS #: 140-88-5		
9.813	9.813 (1.079)	55	7714870	200.000	200.66	70.00- 130.00	100.00(A)
9.813	9.813 (1.079)	99	459667			0.00- 30.00	5.96
9.813	9.813 (1.079)	45	766852			0.00- 30.00	9.94
96 Dibromomethane					CAS #: 74-95-3		
10.228	10.228 (1.125)	174	2925336	200.000	160.73	70.00- 130.00	100.00
10.228	10.228 (1.125)	93	2780173			0.00- 30.00	95.04
10.228	10.228 (1.125)	95	2328155			0.00- 30.00	79.59
115 trans-1,4-dichloro-2-butene					CAS #: 110-57-6		
16.422	16.422 (1.138)	89	1088347	200.000	259.86	70.00- 130.00	100.00(A)
16.422	16.422 (1.138)	53	2121003			0.00- 30.00	194.88
16.422	16.422 (1.138)	124	379700			0.00- 30.00	34.89
121 Alphamethylstyrene					CAS #: 98-83-9		
16.892	16.892 (1.171)	118	5529169	200.000	211.99	70.00- 130.00	100.00(A)
16.892	16.892 (1.171)	103	3092200			0.00- 30.00	55.93
127 Bis(2-chloroethyl) ether					CAS #: 111-44-4		
17.334	17.334 (1.201)	93	7014908	200.000	194.69	70.00- 130.00	100.00
17.334	17.334 (1.201)	95	2186517			0.00- 30.00	31.17
17.334	17.334 (1.201)	63	4950275			0.00- 30.00	70.57
128 Nonane					CAS #: 111-84-2		
14.818	14.818 (1.027)	43	9410201	200.000	177.72	70.00- 130.00	100.00
14.818	14.818 (1.027)	57	7193266			0.00- 30.00	76.44
14.818	14.818 (1.027)	85	2292555			0.00- 30.00	24.36

QC Flag Legend

T - Target compound detected outside RT window.
A - Target compound detected but, quantitated amount exceeded maximum amount.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040107.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-01apr.b/t14q307c.m
Misc Info: 200ppbv (200ppbv)

Calibration Date: 01-APR-2008
Calibration Time: 10:06
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	252808	151685	353931	259566	2.67
88 1,4-Difluorobenze	1080017	648010	1512024	1094241	1.32
125 Chlorobenzene-d5	702161	421297	983025	699444	-0.39

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

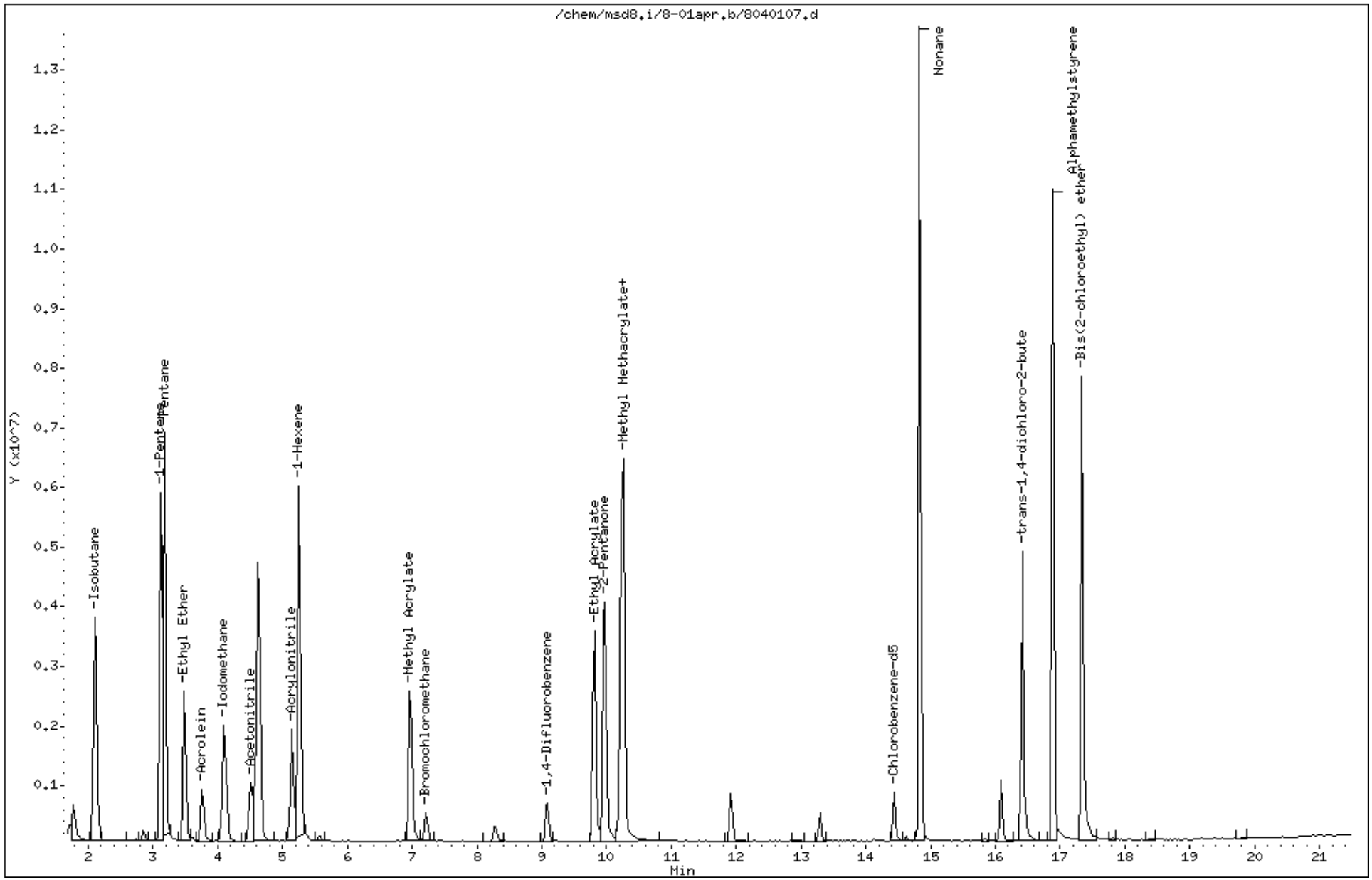
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd8.i/8-01apr.b/8040107.d
Date : 01-APR-2008 10:36
Client ID: Level 7
Sample Info: 200mL #1576-319

Column phase: RTx-624

Instrument: msd8.i

Operator: cb
Column diameter: 0.53



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Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032608.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 26-MAR-2008 12:06
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #1541-67
Misc Info : 50ppbv (200ppbv) sp16b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 13:14 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 12:06 Cal File: 8032608.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp16b.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

	RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
*	68 Bromochloromethane					CAS #: 74-97-5		
	7.214	7.214 (1.000)	130	239259	25.0000		70.00- 130.00	100.00
	7.214	7.214 (1.000)	128	198185			46.51- 106.51	82.83
	7.214	7.214 (1.000)	49	515068			179.82- 239.82	215.28
*	88 1,4-Difluorobenzene					CAS #: 540-36-3		
	9.095	9.095 (1.000)	114	1096787	25.0000		70.00- 130.00	100.00
	9.095	9.095 (1.000)	88	166025			0.00- 46.04	15.14
*	125 Chlorobenzene-d5					CAS #: 3114-55-4		
	14.431	14.431 (1.000)	117	703260	25.0000		70.00- 130.00	100.00
	14.431	14.431 (1.000)	82	442520			0.00- 30.00	62.92
	36 Cyclopentene					CAS #: 142-29-0		
	4.477	4.477 (0.621)	67	5824239	200.000	200.87	70.00- 130.00	100.00(A)
	4.477	4.477 (0.621)	68	2165125			0.00- 30.00	37.17
	4.477	4.477 (0.621)	53	1431211			0.00- 30.00	24.57
	60 2,2-Dichloropropane					CAS #: 594-20-7		
	6.744	6.744 (0.935)	77	3594950	200.000	221.32	70.00- 130.00	100.00(A)

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
60 2,2-Dichloropropane (continued)							
6.744	6.744 (0.935)	79	1147495			2.96- 62.96	31.92
6.744	6.744 (0.935)	97	687356			0.00- 30.00	19.12
72 1,1-Dichloropropene					CAS #: 563-58-6		
7.906	7.906 (1.096)	110	1260144	200.000	175.81	70.00- 130.00	100.00
7.878	7.878 (1.092)	75	3711279			0.00- 30.00	294.51
109 1,3-Dichloropropane					CAS #: 142-28-9		
13.270	13.270 (1.459)	76	4346756	200.000	190.47	70.00- 130.00	100.00
13.270	13.270 (1.459)	41	3908066			59.56- 119.56	89.91
13.270	13.270 (1.459)	78	1401408			0.00- 30.00	32.24
123 1,1,1,2-Tetrachloroethane					CAS #: 630-20-6		
14.625	14.625 (1.013)	131	3192551	200.000	195.71	70.00- 130.00	100.00
14.625	14.625 (1.013)	117	2160752			0.00- 30.00	67.68
14.625	14.625 (1.013)	95	1319497			0.00- 30.00	41.33
139 Bromobenzene					CAS #: 108-86-1		
16.256	16.256 (1.126)	156	3799854	200.000	189.20	70.00- 130.00	100.00
16.228	16.228 (1.125)	77	7008740			146.23- 206.23	184.45
16.256	16.256 (1.126)	158	3683280			0.00- 30.00	96.93
141 1,2,3-Trichloropropane					CAS #: 96-18-4		
16.366	16.366 (1.134)	110	1968662	200.000	199.89	70.00- 130.00	100.00
16.366	16.366 (1.134)	61	1608035			0.00- 30.00	81.68
16.366	16.366 (1.134)	112	1245865			0.00- 30.00	63.28
143 2-Chlorotoluene					CAS #: 95-49-8		
16.477	16.477 (1.142)	126	3218484	200.000	208.67	70.00- 130.00	100.00(A)
16.477	16.477 (1.142)	91	10844873			294.29- 354.29	336.96
16.477	16.477 (1.142)	65	1055757			0.00- 30.00	32.80
146 4-Chlorotoluene					CAS #: 106-43-4		
16.643	16.643 (1.153)	126	3199655	200.000	202.89	70.00- 130.00	100.00(A)
16.643	16.643 (1.153)	91	10314425			284.06- 344.06	322.36
16.643	16.643 (1.153)	63	1345732			0.00- 30.00	42.06
150 tert-Butylbenzene					CAS #: 98-06-6		
16.975	16.975 (1.176)	119	14201854	200.000	206.79	70.00- 130.00	100.00(A)
16.975	16.975 (1.176)	134	3046630			0.00- 53.09	21.45
16.975	16.975 (1.176)	91	7602603			0.00- 30.00	53.53
151 Pentachloroethane					CAS #: 76-01-7		
17.030	17.030 (1.180)	167	3252788	200.000	217.51	70.00- 130.00	100.00(A)
17.002	17.002 (1.178)	117	3247701			0.00- 30.00	99.84

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
152 sec-Butylbenzene					CAS #: 135-98-8		
17.196	17.196 (1.192)	105	16615032	200.000	215.31	70.00- 130.00	100.00(A)
17.224	17.224 (1.194)	134	3090648			0.00- 49.20	18.60
17.196	17.196 (1.192)	91	2537024			0.00- 30.00	15.27
154 p-Cymene					CAS #: 99-87-6		
17.362	17.362 (1.203)	134	3638834	200.000	221.79	70.00- 130.00	100.00(A)
17.362	17.362 (1.203)	119	15200541			376.97- 436.97	417.73
17.362	17.362 (1.203)	91	3726975			0.00- 30.00	102.42
155 1,2,3-Trimethylbenzene					CAS #: 526-73-8		
17.472	17.472 (1.211)	120	4734545	200.000	215.94	70.00- 130.00	100.00(A)
17.472	17.472 (1.211)	105	12217609			220.84- 280.84	258.05
17.472	17.472 (1.211)	77	1511322			0.00- 30.00	31.92
159 Butylbenzene					CAS #: 104-51-8		
17.777	17.777 (1.232)	134	3641047	200.000	216.73	70.00- 130.00	100.00(A)
17.777	17.777 (1.232)	91	12448631			309.60- 369.60	341.90
17.777	17.777 (1.232)	92	6498369			0.00- 30.00	178.48
165 1,2-Dibromo-3-Chloropropane					CAS #: 96-12-8		
18.523	18.523 (1.284)	157	3950203	200.000	224.94	70.00- 130.00	100.00(A)
18.523	18.523 (1.284)	75	4341709			83.00- 143.00	109.91
18.523	18.523 (1.284)	155	3124210			0.00- 30.00	79.09

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: msd8.i
Lab File ID: 8032608.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp16b

Calibration Date: 26-MAR-2008
Calibration Time: 11:36
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	235531	141319	329743	239259	1.58
88 1,4-Difluorobenze	1044946	626968	1462924	1096787	4.96
125 Chlorobenzene-d5	691829	415097	968561	703260	1.65

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

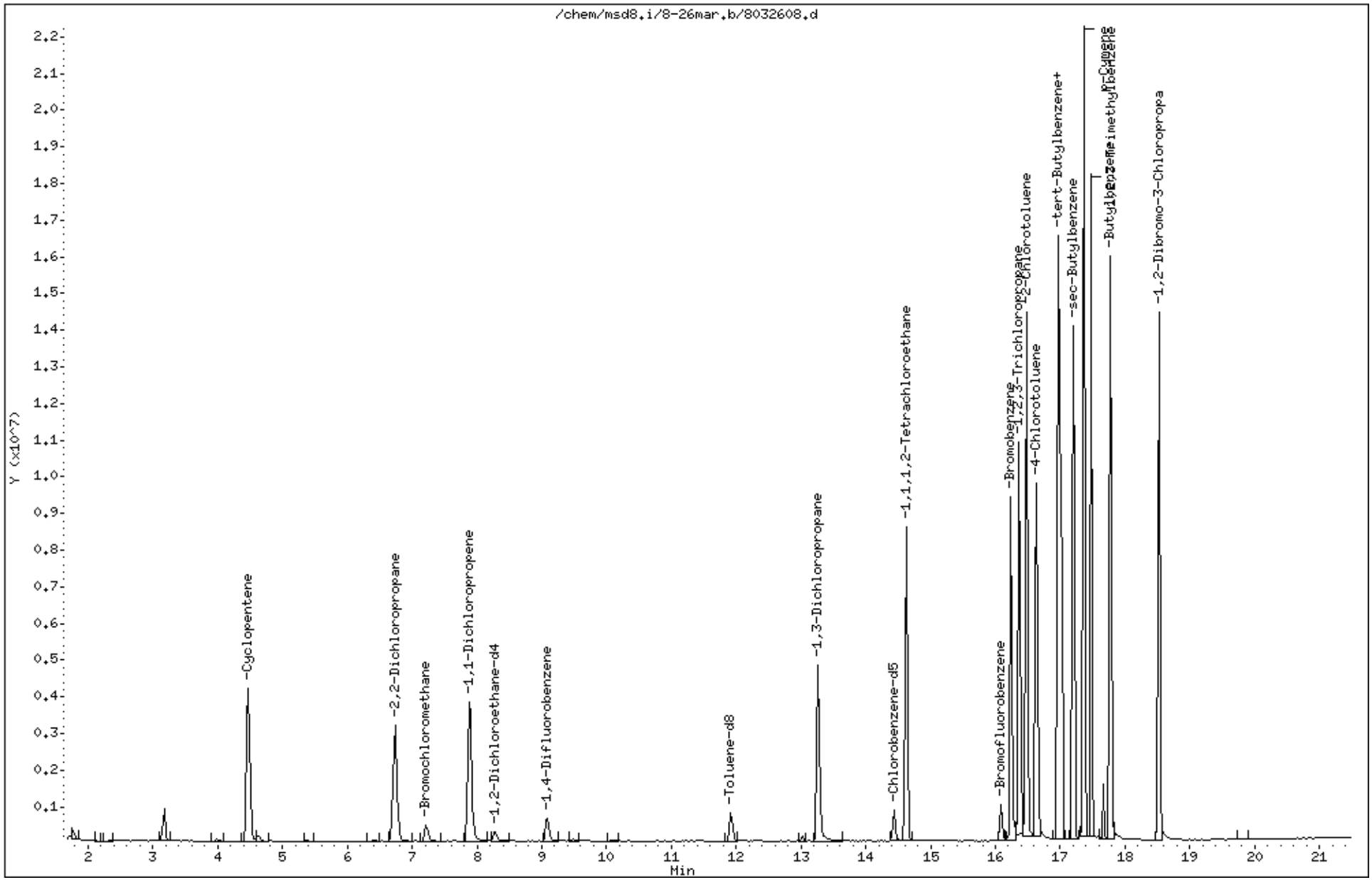
0172

Data File: /chem/msd8.i/8-26mar.b/8032608.d
Date : 26-MAR-2008 12:06
Client ID: Level 7
Sample Info: 200mL #1541-67

Instrument: msd8.i

Operator: ct

Column phase: RTx-624
Column diameter: 0.53



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-26mar.b/8032604.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 26-MAR-2008 10:12
Operator : ct Inst ID: msd8.i
Smp Info : 200mL #1576-313
Misc Info : 50ppbv (200ppbv) sp20b
Comment :
Method : /chem/msd8.i/8-26mar.b/t14q307b.m
Meth Date : 26-Mar-2008 12:43 ctaylor Quant Type: ISTD
Cal Date : 26-MAR-2008 10:12 Cal File: 8032604.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: sp20b.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	248411	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	193124			49.67- 109.67	77.74
7.214	7.214 (1.000)	49	520290			190.56- 250.56	209.45
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1131694	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	174468			0.00- 46.24	15.42
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	733861	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	446569			0.00- 30.00	60.85
1 Freon 152a					CAS #: 75-37-6		
1.961	1.961 (0.272)	65	1567663	200.000	180.73	70.00- 130.00	100.00
1.989	1.989 (0.276)	51	7628831			0.00- 30.00	486.64
2 Freon 22					CAS #: 75-45-6		
2.016	2.016 (0.279)	67	633538	200.000	168.60	70.00- 130.00	100.00
1.989	1.989 (0.276)	51	7628831			0.00- 30.00	1204.16

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
17 Dichlorofluoromethane/Fr21					CAS #: 75-43-4		
3.122	3.122 (0.433)	67	3905993	200.000	179.36	70.00- 130.00	100.00
3.122	3.122 (0.433)	69	1179393			0.00- 30.00	30.19
3.012	3.012 (0.417)	35	1353			0.00- 30.00	0.03
20 Freon123a					CAS #: 354-23-4		
3.565	3.565 (0.494)	67	2487972	200.000	172.46	70.00- 130.00	100.00
3.592	3.592 (0.498)	117	1494488			0.00- 30.00	60.07
21 Freon123					CAS #: 306-83-2		
3.675	3.675 (0.509)	83	301762	200.000	194.62	70.00- 130.00	100.00
3.675	3.675 (0.509)	133	52377			0.00- 30.00	17.36
3.675	3.675 (0.509)	85	197447			0.00- 30.00	65.43
27 Freon142b					CAS #: 75-68-3		
2.155	2.155 (0.299)	65	4910651	200.000	202.33	70.00- 130.00	100.00(A)
2.155	2.155 (0.299)	45	1409765			0.00- 30.00	28.71
32 Freon143a					CAS #: 420-46-2		
1.850	1.850 (0.256)	65	996548	200.000	190.10	70.00- 130.00	100.00
1.878	1.878 (0.260)	69	7564006			0.00- 30.00	759.02
49 Isopropyl ether					CAS #: 108-20-3		
5.804	5.804 (0.805)	45	11620277	200.000	193.87	70.00- 130.00	100.00
5.804	5.804 (0.805)	87	2061162			0.00- 30.00	17.74
5.804	5.804 (0.805)	59	1058387			0.00- 30.00	9.11
52 1-Propanol					CAS #: 71-23-8		
5.998	5.998 (0.831)	42	671913	200.000	211.77	70.00- 130.00	100.00(A)
5.998	5.998 (0.831)	59	658987			0.00- 30.00	98.08
5.998	5.998 (0.831)	41	429180			0.00- 30.00	63.87
58 Ethyl-tert-butyl Ether					CAS #: 637-92-3		
6.413	6.413 (0.889)	59	8908876	200.000	205.43	70.00- 130.00	100.00(A)
6.413	6.413 (0.889)	87	2938172			0.00- 30.00	32.98
6.413	6.413 (0.889)	41	2049705			0.00- 30.00	23.01
61 Ethyl Acetate					CAS #: 141-78-6		
6.910	6.910 (0.958)	70	625257	200.000	187.83	70.00- 130.00	100.00
6.910	6.910 (0.958)	43	8271865			0.00- 30.00	1322.95
6.910	6.910 (0.958)	61	938760			0.00- 30.00	150.14
78 Isobutanol					CAS #: 78-83-1		
8.238	8.238 (0.906)	43	3116360	200.000	219.96	70.00- 130.00	100.00(A)
8.238	8.238 (0.906)	41	2295272			0.00- 30.00	73.65

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
79 tert-amyl-Methyl Ether					CAS #: 994-05-8		
8.459	8.459 (1.172)	73	7044283	200.000	209.38	70.00- 130.00	100.00(A)
8.459	8.459 (1.172)	87	1629861			0.00- 30.00	23.14
8.459	8.459 (1.172)	55	2505801			0.00- 30.00	35.57
89 1-Butanol					CAS #: 71-36-3		
9.537	9.537 (1.049)	56	2288494	200.000	238.63	70.00- 130.00	100.00(A)
9.537	9.537 (1.049)	41	1873775			0.00- 30.00	81.88
9.537	9.537 (1.049)	43	1464122			0.00- 30.00	63.98
113 Butyl Acetate					CAS #: 123-86-4		
13.629	13.629 (1.499)	56	3336673	200.000	230.30	70.00- 130.00	100.00(A)
13.629	13.629 (1.499)	73	1076750			0.00- 30.00	32.27
13.629	13.629 (1.499)	43	9093857			0.00- 30.00	272.54
120 Diisobutyl Ketone					CAS #: 108-83-8		
16.809	16.809 (1.165)	57	9628859	200.000	227.81	70.00- 130.00	100.00(A)
16.809	16.809 (1.165)	85	7080406			44.09- 104.09	73.53
133 2-Heptanone					CAS #: 110-43-0		
15.620	15.620 (1.082)	58	4543099	200.000	245.34	70.00- 130.00	100.00(A)
15.620	15.620 (1.082)	43	8224224			0.00- 30.00	181.03
136 Cyclohexanone					CAS #: 108-94-1		
16.007	16.007 (1.109)	55	4389435	200.000	216.23	70.00- 130.00	100.00(A)
16.007	16.007 (1.109)	98	1656060			0.00- 30.00	37.73
16.007	16.007 (1.109)	42	3390232			0.00- 30.00	77.24

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: msd8.i
Lab File ID: 8032604.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: ct
Method File: /chem/msd8.i/8-26mar.b/t14q307b.m
Misc Info: 50ppbv (200ppbv) sp20b

Calibration Date: 26-MAR-2008
Calibration Time: 09:42
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	237391	142435	332347	248411	4.64
88 1,4-Difluorobenze	1071816	643090	1500542	1131694	5.59
125 Chlorobenzene-d5	694006	416404	971608	733861	5.74

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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/msd8.i/8-26mar.b/8032604.d

Date : 26-MAR-2008 10:12

Client ID: Level 7

Sample Info: 200mL #1576-313

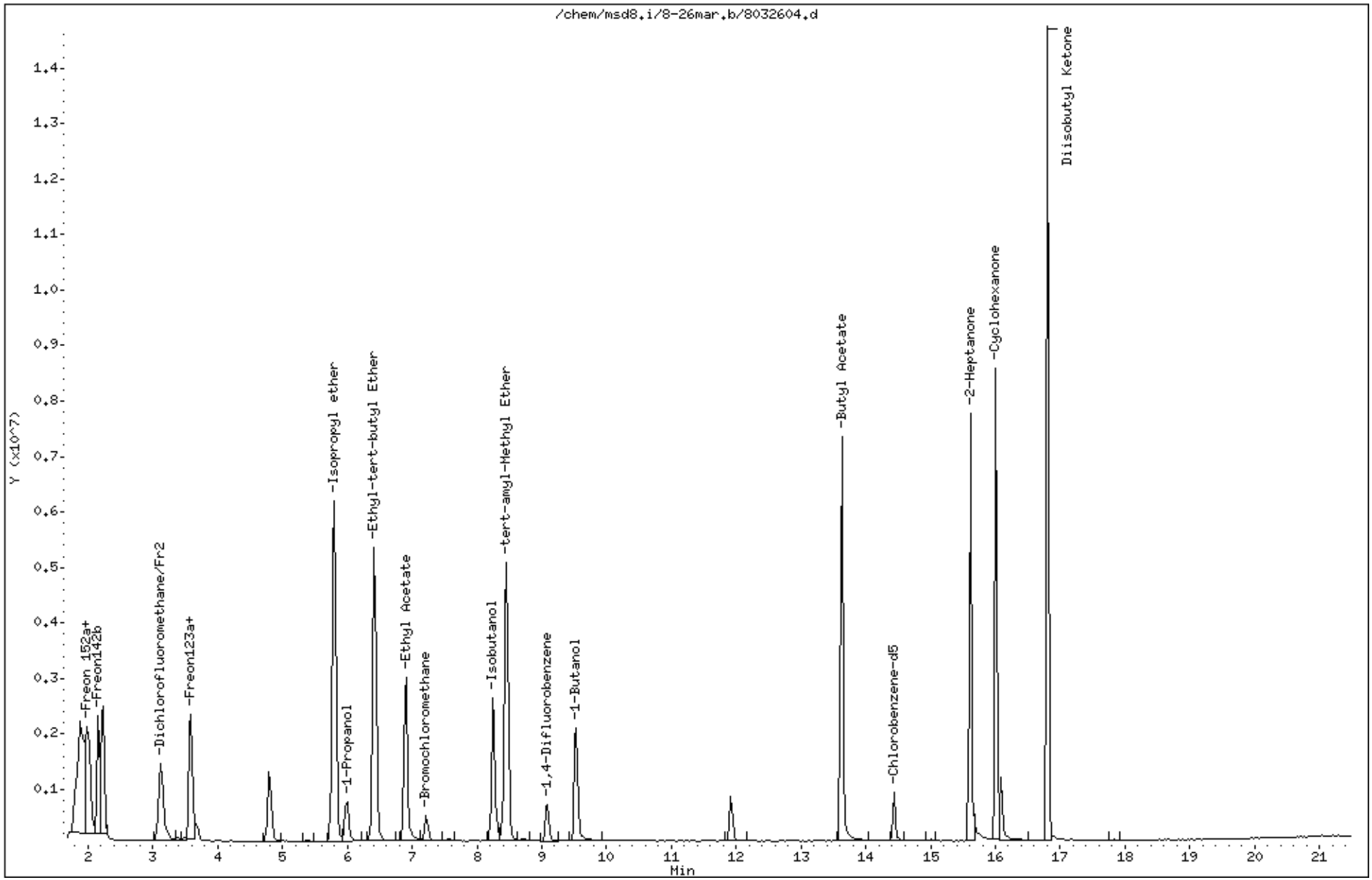
Column phase: RTx-624

Instrument: msd8.i

Operator: ct

Column diameter: 0.53

0177



Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-07mar.b/8030717.d
Lab Smp Id: ICAL Client Smp ID: Level 7
Inj Date : 07-MAR-2008 19:15
Operator : cb Inst ID: msd8.i
Smp Info : 200mL #1576-271
Misc Info : 200ppbv
Comment :
Method : /chem/msd8.i/8-07mar.b/t14q307a.m
Meth Date : 11-Mar-2008 12:26 ctaylor Quant Type: ISTD
Cal Date : 07-MAR-2008 19:15 Cal File: 8030717.d
Als bottle: 1 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: AT08mdl.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
==	====== ========	====	========	=======	=======	==========	=====
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	316981	25.0000		70.00- 130.00	100.00
7.214	7.214 (1.000)	128	243700			51.10- 111.10	76.88
7.214	7.214 (1.000)	49	675778			190.11- 250.11	213.19
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1447782	25.0000		70.00- 130.00	100.00
9.095	9.095 (1.000)	88	246505			0.00- 46.84	17.03
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	924112	25.0000		70.00- 130.00	100.00
14.431	14.431 (1.000)	82	587702			0.00- 30.00	63.60
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	563459	25.0000	25.223	70.00- 130.00	100.00
8.293	8.293 (1.149)	67	420460			0.00- 30.00	74.62
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1366481	25.0000	24.962	70.00- 130.00	100.00
11.915	11.915 (1.310)	70	152316			0.00- 30.00	11.15

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	955062			0.00- 30.00	69.89
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	604357	25.0000	26.040	70.00- 130.00	100.00
16.090	16.090 (1.115)	95	783494			98.22- 158.22	129.64
16.090	16.090 (1.115)	176	570838			66.33- 126.33	94.45
3 Propylene					CAS #: 115-07-1		
1.933	1.933 (0.268)	41	3245920	200.000	177.18	70.00- 130.00	100.00
1.933	1.933 (0.268)	42	2137634			0.00- 30.00	65.86
1.933	1.933 (0.268)	39	2377605			0.00- 30.00	73.25
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	1.989 (0.276)	85	7334467	200.000	161.52	70.00- 130.00	100.00
1.989	1.989 (0.276)	87	2317171			0.00- 30.00	31.59
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.291)	135	4830510	200.000	156.41	70.00- 130.00	100.00
2.099	2.099 (0.291)	137	1502581			0.77- 60.77	31.11
8 Chloromethane					CAS #: 74-87-3		
2.238	2.238 (0.310)	50	3821541	200.000	169.11	70.00- 130.00	100.00(M)
2.238	2.238 (0.310)	52	1091680			0.00- 30.00	28.57
9 Butane					CAS #: 106-97-8		
2.265	2.265 (0.314)	58	818524	200.000	167.78	70.00- 130.00	100.00
2.265	2.265 (0.314)	43	7025641			0.00- 30.00	858.33
11 Vinyl Chloride					CAS #: 75-01-4		
2.320	2.320 (0.322)	62	3784998	200.000	162.34	70.00- 130.00	100.00
2.320	2.320 (0.322)	64	1126861			0.00- 30.00	29.77
10 1,3-Butadiene					CAS #: 106-99-0		
2.320	2.320 (0.322)	54	3284476	200.000	166.42	70.00- 130.00	100.00
2.320	2.320 (0.322)	39	3954940			0.00- 30.00	120.41
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	2476143	200.000	174.26	70.00- 130.00	100.00
2.763	2.763 (0.383)	96	2320732			62.53- 122.53	93.72
16 Chloroethane					CAS #: 75-00-3		
2.873	2.873 (0.398)	64	1958603	200.000	173.32	70.00- 130.00	100.00
2.873	2.873 (0.398)	49	620107			0.00- 30.00	31.66
2.873	2.873 (0.398)	66	597312			0.00- 30.00	30.50

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.398)	43	5953394	200.000	170.31	70.00- 130.00	100.00
2.873	2.873 (0.398)	57	3604388			0.00- 30.00	60.54
2.873	2.873 (0.398)	72	344668			0.00- 30.00	5.79
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	7914828	200.000	163.71	70.00- 130.00	100.00
3.122	3.122 (0.433)	103	5073331			33.78- 93.78	64.10
23 Ethanol					CAS #: 64-17-5		
3.426	3.426 (0.475)	45	1557667	200.000	163.52	70.00- 130.00	100.00
3.426	3.426 (0.475)	43	321377			0.00- 30.00	20.63
3.426	3.426 (0.475)	46	605381			0.00- 30.00	38.86
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	3952901	200.000	156.99	70.00- 130.00	100.00
3.814	3.814 (0.529)	153	2461668			31.42- 91.42	62.27
3.814	3.814 (0.529)	101	5536436			106.14- 166.14	140.06
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	5908516	200.000	160.85	70.00- 130.00	100.00
3.841	3.841 (0.532)	96	2771364			18.83- 78.83	46.90
3.841	3.841 (0.532)	98	1788803			1.92- 61.92	30.27
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	1992664	200.000	171.93	70.00- 130.00	100.00
3.979	3.979 (0.552)	43	7382319			0.00- 30.00	370.47
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.145 (0.575)	76	9528243	200.000	166.00	70.00- 130.00	100.00
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	8115104	200.000	178.70	70.00- 130.00	100.00
4.173	4.173 (0.578)	43	1670800			0.00- 30.00	20.59
4.173	4.173 (0.578)	59	280164			0.00- 30.00	3.45
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.422 (0.613)	76	1581775	200.000	176.72	70.00- 130.00	100.00
4.422	4.422 (0.613)	41	6319943			0.00- 30.00	399.55
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.781	4.781 (0.663)	59	4050924	200.000	123.01	70.00- 130.00	100.00
4.781	4.781 (0.663)	41	1072693			0.00- 30.00	26.48
4.781	4.781 (0.663)	57	428521			0.00- 30.00	10.58
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	4881163	200.000	159.95	70.00- 130.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
40 Methylene Chloride (continued)							
4.671	4.671 (0.647)	84	2745804			24.35- 84.35	56.25
4.671	4.671 (0.647)	51	1470481			0.00- 30.00	30.13
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	7345293	200.000	170.81	70.00- 130.00	100.00(A)
5.002	5.002 (0.693)	57	2026639			0.00- 57.94	27.59
5.002	5.002 (0.693)	41	2265257			0.00- 30.00	30.84
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.030 (0.697)	96	3322604	200.000	158.90	70.00- 130.00	100.00
5.030	5.030 (0.697)	61	5986967			150.61- 210.61	180.19
5.030	5.030 (0.697)	98	2113592			0.00- 30.00	63.61
46 Hexane					CAS #: 110-54-3		
5.362	5.362 (0.743)	57	7308762	200.000	166.46	70.00- 130.00	100.00
5.362	5.362 (0.743)	43	5213770			0.00- 30.00	71.34
5.390	5.390 (0.747)	86	966047			0.00- 30.00	13.22
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.777 (0.801)	63	7116064	200.000	170.73	70.00- 130.00	100.00
5.777	5.777 (0.801)	65	2124257			0.89- 60.89	29.85
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.860 (0.812)	86	889967	200.000	191.36	70.00- 130.00	100.00
5.860	5.860 (0.812)	43	13211000			0.00- 30.00	1484.44
5.860	5.860 (0.812)	42	1057653			0.00- 30.00	118.84
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	5329284	200.000	163.41	70.00- 130.00	100.00
6.800	6.800 (0.942)	96	3291154			31.12- 91.12	61.76
6.800	6.800 (0.942)	98	2102196			8.63- 68.63	39.45
65 2-Butanone					CAS #: 78-93-3		
6.827	6.827 (0.946)	72	1775372	200.000	174.83	70.00- 130.00	100.00
6.827	6.827 (0.946)	43	9966342			517.48- 577.48	561.37
6.827	6.827 (0.946)	57	683549			0.00- 30.00	38.50
67 Tetrahydrofuran					CAS #: 109-99-9		
7.187	7.187 (0.996)	42	5929908	200.000	167.20	70.00- 130.00	100.00
7.214	7.214 (1.000)	71	1611876			0.00- 57.82	27.18
7.214	7.214 (1.000)	72	1709513			0.00- 30.00	28.83
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	6589710	200.000	157.92	70.00- 130.00	100.00
7.353	7.353 (1.019)	85	4034130			31.36- 91.36	61.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	4960450	200.000	161.19	70.00- 130.00	100.00
7.574	7.574 (1.050)	56	7208743			115.63- 175.63	145.32
7.574	7.574 (1.050)	41	4378665			59.16- 119.16	88.27
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.602 (1.054)	97	6586437	200.000	164.39	70.00- 130.00	100.00
7.602	7.602 (1.054)	99	4136980			34.31- 94.31	62.81
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	5655335	200.000	175.77	70.00- 130.00	100.00
7.823	7.823 (1.084)	117	5819163			74.65- 134.65	102.90
81 Benzene					CAS #: 71-43-2		
8.237	8.237 (0.906)	78	10716147	200.000	154.85	70.00- 130.00	100.00
8.237	8.237 (0.906)	77	2427692			0.00- 30.00	22.65
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	22871259	200.000	172.30	70.00- 130.00	100.00
8.293	8.293 (1.149)	56	7035006			0.00- 30.00	30.76
8.293	8.293 (1.149)	41	6362249			0.00- 30.00	27.82
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	5069548	200.000	174.99	70.00- 130.00	100.00
8.431	8.431 (0.927)	64	1580945			0.00- 30.00	31.19
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	1149902	200.000	158.47	70.00- 130.00	100.00
8.680	8.680 (0.954)	43	9246013			0.00- 30.00	804.07
8.680	8.680 (0.954)	71	3940879			0.00- 30.00	342.71
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	4210717	200.000	157.95	70.00- 130.00	100.00
9.482	9.482 (1.043)	130	3831651			61.96- 121.96	91.00
9.482	9.482 (1.043)	97	2694751			34.32- 94.32	64.00
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.703 (1.345)	83	6792083	200.000	166.70	70.00- 130.00	100.00
9.731	9.731 (1.349)	98	3030487			0.00- 30.00	44.62
9.703	9.703 (1.345)	55	6725964			0.00- 30.00	99.03
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	9.979 (1.097)	63	4238295	200.000	161.82	70.00- 130.00	100.00
9.979	9.979 (1.097)	62	2948557			38.59- 98.59	69.57
9.979	9.979 (1.097)	41	2899564			38.06- 98.06	68.41

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	2420923	200.000	187.09	70.00- 130.00	100.00
10.228	10.228 (1.125)	58	2088282			56.45- 116.45	86.26
10.228	10.228 (1.125)	57	686847			0.00- 30.00	28.37
100 Bromodichloromethane					CAS #: 75-27-4		
10.532	10.532 (1.158)	83	6642529	200.000	172.91	70.00- 130.00	100.00
10.560	10.560 (1.161)	85	4025231			30.64- 90.64	60.60
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.472	11.472 (1.261)	75	5465896	200.000	172.07	70.00- 130.00	100.00
11.472	11.472 (1.261)	77	1690218			1.21- 61.21	30.92
11.472	11.472 (1.261)	39	3736108			40.75- 100.75	68.35
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	3657106	200.000	166.75	70.00- 130.00	100.00
11.832	11.832 (1.301)	43	10890538			0.00- 30.00	297.79
11.832	11.832 (1.301)	85	1349015			0.00- 30.00	36.89
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	11463842	200.000	176.63	70.00- 130.00	100.00
12.053	12.053 (1.325)	92	6685766			30.45- 90.45	58.32
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	5502335	200.000	200.07	70.00- 130.00	100.00(A)
12.689	12.689 (0.879)	77	1704562			2.64- 62.64	30.98
12.661	12.661 (0.877)	39	3630840			39.55- 99.55	65.99
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.966	12.966 (0.898)	97	3667460	200.000	171.84	70.00- 130.00	100.00
12.993	12.993 (0.900)	99	2252902			32.84- 92.84	61.43
12.966	12.966 (0.898)	83	3248124			56.96- 116.96	88.57
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	4922342	200.000	164.34	70.00- 130.00	100.00
13.021	13.021 (0.902)	129	3526010			40.72- 100.72	71.63
13.021	13.021 (0.902)	131	3345220			38.04- 98.04	67.96
114 2-Hexanone					CAS #: 591-78-6		
13.408	13.408 (0.929)	58	5101629	200.000	191.43	70.00- 130.00	100.00
13.408	13.408 (0.929)	43	10878940			197.39- 257.39	213.24
13.436	13.436 (0.931)	100	828735			0.00- 30.00	16.24
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	5600515	200.000	177.26	70.00- 130.00	100.00
13.574	13.574 (0.941)	127	4339321			0.00- 30.00	77.48

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	5923031	200.000	169.63	70.00- 130.00	100.00
13.740	13.740 (0.952)	109	5598272			63.74- 123.74	94.52
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	8985449	200.000	167.98	70.00- 130.00	100.00
14.486	14.486 (1.004)	114	2758492			1.99- 61.99	30.70
14.486	14.486 (1.004)	77	5648450			33.13- 93.13	62.86
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	4878319	200.000	179.68	70.00- 130.00	100.00
14.624	14.624 (1.013)	91	16546811			0.00- 30.00	339.19
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	6120771	200.000	176.44	70.00- 130.00	100.00
14.818	14.818 (1.027)	91	12966614			0.00- 30.00	211.85
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	5624028	200.000	168.89	70.00- 130.00	100.00
15.343	15.343 (1.063)	91	12581466			194.61- 254.61	223.71
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	10069821	200.000	175.92	70.00- 130.00	100.00
15.399	15.399 (1.067)	78	5145484			24.12- 84.12	51.10
135 Bromoform					CAS #: 75-25-2		
15.648	15.648 (1.084)	173	5612592	200.000	199.05	70.00- 130.00	100.00
15.648	15.648 (1.084)	171	2870845			20.77- 80.77	51.15
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	16754758	200.000	157.85	70.00- 130.00	100.00
15.841	15.841 (1.098)	120	4333818			0.00- 30.00	25.87
15.841	15.841 (1.098)	51	2175660			0.00- 30.00	12.99
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	8754398	200.000	179.00	70.00- 130.00	100.00
16.339	16.339 (1.132)	85	5275036			30.78- 90.78	60.26
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	17100507	200.000	142.28	70.00- 130.00	100.00
16.366	16.366 (1.134)	120	4727627			0.00- 30.00	27.65
16.366	16.366 (1.134)	105	751931			0.00- 30.00	4.40
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	17764389	200.000	189.27	70.00- 130.00	100.00
16.532	16.532 (1.146)	120	4835933			0.00- 58.20	27.22

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	15624209	200.000	167.22	70.00- 130.00	100.00
16.615	16.615 (1.151)	120	7164972			0.00- 30.00	45.86
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	15385602	200.000	180.33	70.00- 130.00	100.00
17.030	17.030 (1.180)	120	6194345			12.59- 72.59	40.26
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.334 (1.201)	146	8607412	200.000	171.38	70.00- 130.00	100.00
17.334	17.334 (1.201)	148	5353695			0.00- 30.00	62.20
17.334	17.334 (1.201)	111	3798841			0.00- 30.00	44.13
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	10250227	200.000	159.26	70.00- 130.00	100.00
17.445	17.445 (1.209)	148	6284915			0.00- 30.00	61.31
17.445	17.445 (1.209)	111	4244743			0.00- 30.00	41.41
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.583	17.583 (1.218)	91	13405647	200.000	215.97	70.00- 130.00	100.00(A)
17.611	17.611 (1.220)	126	2356418			0.00- 30.00	17.58
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	9575844	200.000	169.61	70.00- 130.00	100.00
17.804	17.804 (1.234)	148	5817723			32.70- 92.70	60.75
17.804	17.804 (1.234)	111	4388333			16.47- 76.47	45.83
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	7714902	200.000	173.28	70.00- 130.00	100.00
19.187	19.187 (1.330)	182	7379434			67.03- 127.03	95.65
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	7127755	200.000	173.01	70.00- 130.00	100.00
19.270	19.270 (1.335)	223	4525591			34.11- 94.11	63.49
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	15629900	200.000	175.21	70.00- 130.00	100.00
19.380	19.380 (1.343)	127	1877737			0.00- 30.00	12.01

QC Flag Legend

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

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8030717.d
Lab Smp Id: ICAL
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-07mar.b/t14q307a.m
Misc Info: 200ppbv

Calibration Date: 07-MAR-2008
Calibration Time: 18:18
Client Smp ID: Level 7
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	293004	175802	410206	316981	8.18
88 1,4-Difluorobenze	1382376	829426	1935326	1447782	4.73
125 Chlorobenzene-d5	855859	513515	1198203	924112	7.97

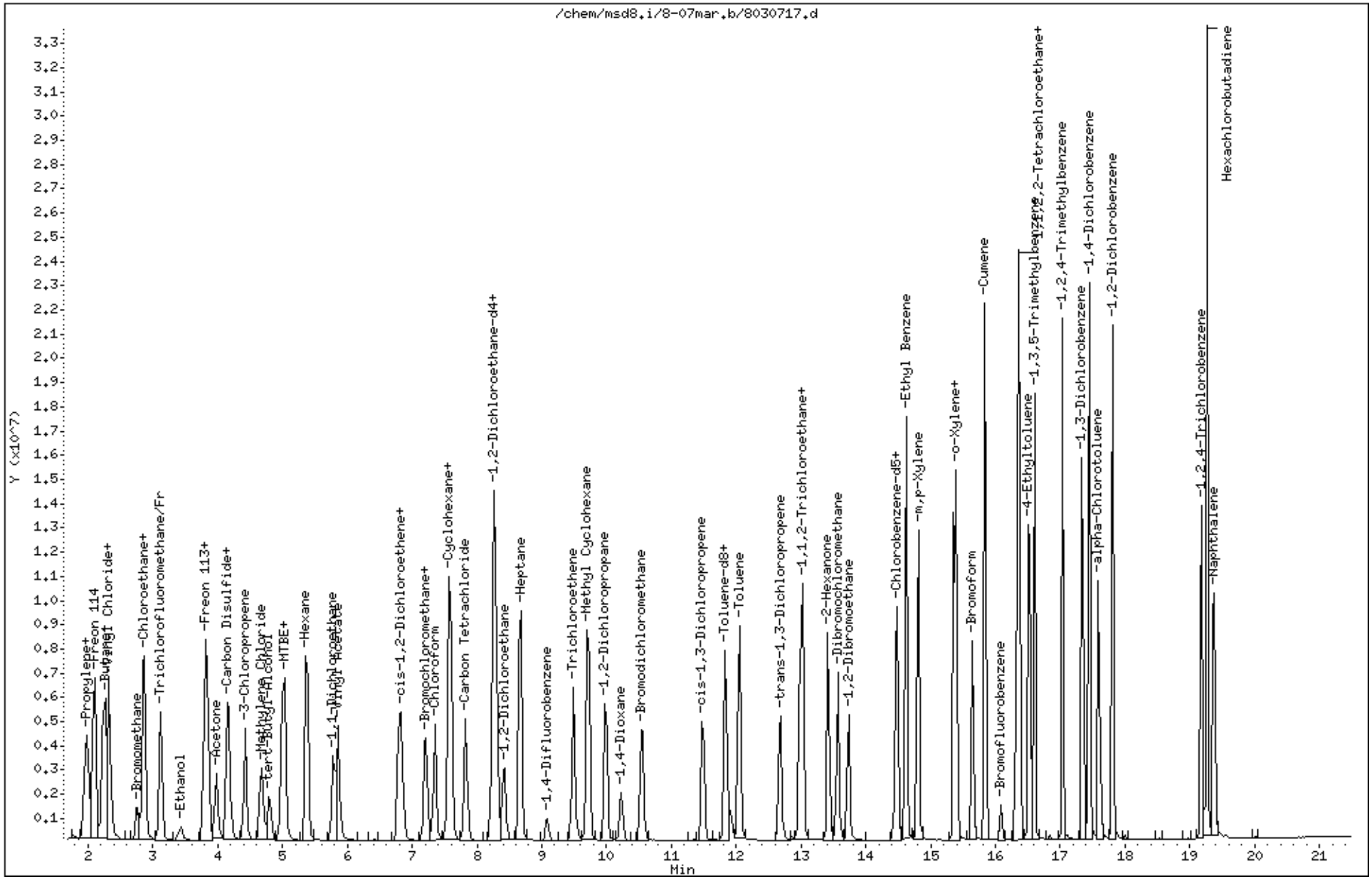
		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

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/msd8.i/8-07mar.b/8030717.d
Date : 07-MAR-2008 19:15
Client ID: Level 7
Sample Info: 200mL #1576-271

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0803603-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 07:44 AM**	

Compound	%Recovery
Freon 12	90
Freon 114	77
Vinyl Chloride	66 Q
Bromomethane	74
Chloroethane	71
Freon 11	84
1,1-Dichloroethene	72
Freon 113	79
Methylene Chloride	77
1,1-Dichloroethane	79
cis-1,2-Dichloroethene	78
Chloroform	79
1,1,1-Trichloroethane	83
Carbon Tetrachloride	95
Benzene	78
1,2-Dichloroethane	87
Trichloroethene	80
1,2-Dichloropropane	77
cis-1,3-Dichloropropene	80
Toluene	90
trans-1,3-Dichloropropene	94
1,1,2-Trichloroethane	93
Tetrachloroethene	93
1,2-Dibromoethane (EDB)	90
Chlorobenzene	89
Ethyl Benzene	95
m,p-Xylene	92
o-Xylene	88
Styrene	84
1,1,2,2-Tetrachloroethane	89
1,3,5-Trimethylbenzene	88
1,2,4-Trimethylbenzene	87
1,3-Dichlorobenzene	90
1,4-Dichlorobenzene	91
alpha-Chlorotoluene	94
1,2-Dichlorobenzene	90
1,3-Butadiene	69 Q
Hexane	78
Cyclohexane	79

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MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 07:44 AM**	

Compound	%Recovery
Heptane	78
Bromodichloromethane	87
Dibromochloromethane	95
Cumene	89
Propylbenzene	96
Chloromethane	70
1,2,4-Trichlorobenzene	85
Hexachlorobutadiene	94
Acetone	80
Carbon Disulfide	74
2-Propanol	80
trans-1,2-Dichloroethene	75
2-Butanone (Methyl Ethyl Ketone)	79
Tetrahydrofuran	82
1,4-Dioxane	92
4-Methyl-2-pentanone	77
2-Hexanone	85
Bromoform	108
4-Ethyltoluene	93
Ethanol	83
Methyl tert-butyl ether	89
3-Chloropropene	79
2,2,4-Trimethylpentane	81
Naphthalene	79

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	109	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 04-APR-2008 07:44
Lab File ID: 8040402.d Init. Cal. Date(s): 07-MAR-2008 01-APR-2008
Analysis Type: AIR Init. Cal. Times: 16:29 10:36
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-04apr.b/t14q307c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 82 1,2-Dichloroethane-d4	1.76187	1.63629	0.010	7.12806	30.00000	Averaged	
$ 104 Toluene-d8	0.94529	0.95527	0.010	-1.05563	30.00000	Averaged	
$ 140 Bromofluorobenzene	0.62787	0.68712	0.010	-9.43607	30.00000	Averaged	
3 Propylene	1.44491	1.22081	0.010	15.50999	30.00000	Averaged	
4 Dichlorodifluoromethane/Fr1	3.58141	3.23572	0.010	9.65233	30.00000	Averaged	
6 Freon 114	2.43572	1.88066	0.010	22.78846	30.00000	Averaged	
8 Chloromethane	1.78226	1.24036	0.010	30.40529	30.00000	Averaged	<-
11 Vinyl Chloride	1.83883	1.21579	0.010	33.88273	30.00000	Averaged	<-
10 1,3-Butadiene	1.55660	1.07141	0.010	31.16994	30.00000	Averaged	<-
13 Bromomethane	1.12069	0.83333	0.010	25.64131	30.00000	Averaged	
16 Chloroethane	0.89127	0.63298	0.010	28.98031	30.00000	Averaged	
18 Trichlorofluoromethane/Fr11	3.81307	3.19362	0.010	16.24550	30.00000	Averaged	
23 Ethanol	0.75127	0.62676	0.010	16.57349	30.00000	Averaged	
28 Freon 113	1.98581	1.56828	0.010	21.02562	30.00000	Averaged	
29 1,1-Dichloroethene	2.89704	2.07543	0.010	28.36022	30.00000	Averaged	
30 Acetone	0.91408	0.72720	0.010	20.44462	30.00000	Averaged	
34 2-Propanol	3.58167	2.85525	0.010	20.28160	30.00000	Averaged	
33 Carbon Disulfide	4.52714	3.34810	0.010	26.04390	30.00000	Averaged	
37 3-Chloropropene	0.70595	0.55693	0.010	21.10908	30.00000	Averaged	
40 Methylene Chloride	2.40684	1.86470	0.010	22.52478	30.00000	Averaged	
43 MTBE	3.39152	3.03336	0.010	10.56067	30.00000	Averaged	
45 trans-1,2-Dichloroethene	1.64921	1.24431	0.010	24.55091	30.00000	Averaged	
46 Hexane	3.46293	2.68632	0.010	22.42640	30.00000	Averaged	
54 1,1-Dichloroethane	3.28734	2.59562	0.010	21.04209	30.00000	Averaged	
55 Vinyl Acetate	0.36680	0.27217	0.010	25.79779	30.00000	Averaged	
65 2-Butanone	0.80091	0.62999	0.010	21.34010	30.00000	Averaged	
64 cis-1,2-Dichloroethene	2.57211	2.01098	0.010	21.81607	30.00000	Averaged	
67 Tetrahydrofuran	2.79718	2.28395	0.010	18.34813	30.00000	Averaged	
70 Chloroform	3.29101	2.60773	0.010	20.76185	30.00000	Averaged	
75 1,1,1-Trichloroethane	3.15998	2.62958	0.010	16.78488	30.00000	Averaged	
73 Cyclohexane	2.42706	1.92790	0.010	20.56638	30.00000	Averaged	
77 Carbon Tetrachloride	2.53751	2.40655	0.010	5.16125	30.00000	Averaged	
80 2,2,4-Trimethylpentane	10.46915	8.49063	0.010	18.89857	30.00000	Averaged	
81 Benzene	1.19500	0.93092	0.010	22.09908	30.00000	Averaged	
83 1,2-Dichloroethane	0.50026	0.43570	0.010	12.90625	30.00000	Averaged	

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 04-APR-2008 07:44
Lab File ID: 8040402.d Init. Cal. Date(s): 07-MAR-2008 01-APR-2008
Analysis Type: AIR Init. Cal. Times: 16:29 10:36
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-04apr.b/t14q307c.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
85 Heptane	0.12530	0.09782	0.010	21.93518	30.00000	Averaged
94 Trichloroethene	0.46033	0.36612	0.010	20.46637	30.00000	Averaged
97 1,2-Dichloropropane	0.45226	0.34833	0.010	22.98060	30.00000	Averaged
98 1,4-Dioxane	0.22345	0.20491	0.010	8.29685	30.00000	Averaged
100 Bromodichloromethane	0.66337	0.57577	0.010	13.20616	30.00000	Averaged
102 cis-1,3-Dichloropropene	0.54853	0.43622	0.010	20.47391	30.00000	Averaged
103 4-Methyl-2-pentanone	0.37870	0.29222	0.010	22.83568	30.00000	Averaged
105 Toluene	1.12075	1.00579	0.010	10.25687	30.00000	Averaged
108 trans-1,3-Dichloropropene	0.74400	0.69846	0.010	6.11991	30.00000	Averaged
110 1,1,2-Trichloroethane	0.57736	0.53854	0.010	6.72277	30.00000	Averaged
112 Tetrachloroethene	0.81028	0.75171	0.010	7.22911	30.00000	Averaged
114 2-Hexanone	0.72096	0.61254	0.010	15.03871	30.00000	Averaged
116 Dibromochloromethane	0.85471	0.81207	0.010	4.98904	30.00000	Averaged
117 1,2-Dibromoethane	0.94459	0.85537	0.010	9.44625	30.00000	Averaged
126 Chlorobenzene	1.44709	1.29490	0.010	10.51708	30.00000	Averaged
129 Ethyl Benzene	0.73449	0.69741	0.010	5.04857	30.00000	Averaged
130 m,p-Xylene	0.93845	0.86545	0.010	7.77901	30.00000	Averaged
132 o-Xylene	0.90086	0.79279	0.010	11.99648	30.00000	Averaged
134 Styrene	1.54853	1.29689	0.010	16.25011	30.00000	Averaged
135 Bromoform	0.76281	0.82069	0.010	-7.58802	30.00000	Averaged
144 1,1,2,2-Tetrachloroethane	1.32305	1.17319	0.010	11.32685	30.00000	Averaged
147 4-Ethyltoluene	2.53913	2.35724	0.010	7.16343	30.00000	Averaged
148 1,3,5-Trimethylbenzene	2.52767	2.22158	0.010	12.10953	30.00000	Averaged
153 1,2,4-Trimethylbenzene	2.30812	2.01427	0.010	12.73115	30.00000	Averaged
156 1,3-Dichlorobenzene	1.35869	1.21826	0.010	10.33604	30.00000	Averaged
157 1,4-Dichlorobenzene	1.74114	1.59239	0.010	8.54324	30.00000	Averaged
158 alpha-Chlorotoluene	1.67922	1.58653	0.010	5.51962	30.00000	Averaged
161 1,2-Dichlorobenzene	1.52733	1.36791	0.010	10.43794	30.00000	Averaged
167 1,2,4-Trichlorobenzene	1.20443	1.02670	0.010	14.75684	30.00000	Averaged
168 Hexachlorobutadiene	1.11456	1.04538	0.010	6.20715	30.00000	Averaged
145 Propylbenzene	3.25154	3.10678	0.010	4.45218	30.00000	Averaged
137 Cumene	2.87145	2.55971	0.010	10.85662	30.00000	Averaged
169 Naphthalene	2.41328	1.91570	0.010	20.61813	30.00000	Averaged
38 tert-Butyl-Alcohol	2.59728	2.11179	0.010	18.69194	40.00000	Averaged
9 Butane	0.38477	0.25055	0.010	34.88320	30.00000	Averaged <-

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd8.i Injection Date: 04-APR-2008 07:44
Lab File ID: 8040402.d Init. Cal. Date(s): 07-MAR-2008 01-APR-2008
Analysis Type: AIR Init. Cal. Times: 16:29 10:36
Lab Sample ID: CCV-1 Quant Type: ISTD
Method: /chem/msd8.i/8-04apr.b/t14q307c.m

COMPOUND	RRF / AMOUNT	RF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
15 Isopentane	2.75697	2.18750	0.010	20.65574	30.00000	Averaged
95 Methyl Cyclohexane	3.21343	2.66315	0.010	17.12451	30.00000	Averaged

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04apr.b/8040402.d
Lab Smp Id: CCV-1 Client Smp ID: CCV-1
Inj Date : 04-APR-2008 07:44
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-332
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /chem/msd8.i/8-04apr.b/t14q307c.m
Meth Date : 04-Apr-2008 10:15 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.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
==	====== ========	====	========	=======	=======	==========		=====
* 68 Bromochloromethane						CAS #: 74-97-5		
7.214	7.214 (1.000)	130	269710	25.0000		80.00- 120.00		100.00
7.214	7.214 (1.000)	128	207437			46.91- 106.91		76.91
7.214	7.214 (1.000)	49	528907			166.10- 226.10		196.10
* 88 1,4-Difluorobenzene						CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1256487	25.0000		80.00- 120.00		100.00
9.095	9.095 (1.000)	88	190561			0.00- 45.17		15.17
* 125 Chlorobenzene-d5						CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	768549	25.0000		80.00- 120.00		100.00
14.431	14.431 (1.000)	82	474128			0.00- 30.00		61.69
$ 82 1,2-Dichloroethane-d4						CAS #: 17060-07-0		
8.293	8.293 (1.149)	65	441323	25.0000	23.218	80.00- 120.00		100.00
8.293	8.293 (1.149)	67	246339			25.59- 85.59		55.82
$ 104 Toluene-d8						CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1200286	25.0000	25.264	80.00- 120.00		100.00
11.915	11.915 (1.310)	70	131258			0.00- 40.92		10.94

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	843656			42.51- 102.51	70.29
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	528082	25.0000	27.359	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	630728			89.44- 149.44	119.44
16.090	16.090 (1.115)	176	507873			66.17- 126.17	96.17
3 Propylene					CAS #: 115-07-1		
1.961	1.961 (0.272)	41	658527	50.0000	42.245	80.00- 120.00	100.00
1.961	1.961 (0.272)	42	430936			0.00- 30.00	65.44
1.961	1.961 (0.272)	39	491181			0.00- 30.00	74.59
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
2.016	2.016 (0.279)	85	1745414	50.0000	45.174	80.00- 120.00	100.00
2.016	2.016 (0.279)	87	539129			0.00- 30.00	30.89
6 Freon 114					CAS #: 76-14-2		
2.099	2.099 (0.291)	135	1014466	50.0000	38.606	80.00- 120.00	100.00
2.099	2.099 (0.291)	137	327783			2.31- 62.31	32.31
8 Chloromethane					CAS #: 74-87-3		
2.237	2.237 (0.310)	50	669076	50.0000	34.797	80.00- 120.00	100.00
2.237	2.237 (0.310)	52	191259			0.00- 30.00	28.59
11 Vinyl Chloride					CAS #: 75-01-4		
2.348	2.348 (0.325)	62	655820	50.0000	33.059	80.00- 120.00	100.00
2.348	2.348 (0.325)	64	199284			0.00- 30.00	30.39
10 1,3-Butadiene					CAS #: 106-99-0		
2.348	2.348 (0.325)	54	577940	50.0000	34.415	80.00- 120.00	100.00
2.348	2.348 (0.325)	39	747515			0.00- 30.00	129.34
13 Bromomethane					CAS #: 74-83-9		
2.763	2.763 (0.383)	94	449516	50.0000	37.179	80.00- 120.00	100.00
2.763	2.763 (0.383)	96	405137			60.13- 120.13	90.13
16 Chloroethane					CAS #: 75-00-3		
2.846	2.846 (0.394)	64	341440	50.0000	35.510	80.00- 120.00	100.00
2.846	2.846 (0.394)	49	128371			0.00- 30.00	37.60
2.846	2.846 (0.394)	66	103763			0.00- 30.00	30.39
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.122	3.122 (0.433)	101	1722703	50.0000	41.877	80.00- 120.00	100.00
3.122	3.122 (0.433)	103	1110965			34.49- 94.49	64.49

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	338088	50.0000	41.713	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	73991			0.00- 30.00	21.89
3.426	3.426 (0.475)	46	138089			0.00- 30.00	40.84
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	845963	50.0000	39.487	80.00- 120.00	100.00
3.814	3.814 (0.529)	153	524144			31.96- 91.96	61.96
3.814	3.814 (0.529)	101	1108668			101.05- 161.05	131.05
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1119531	50.0000	35.820	80.00- 120.00	100.00
3.869	3.869 (0.536)	96	534642			17.76- 77.76	47.76
3.869	3.869 (0.536)	98	347994			1.08- 61.08	31.08
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	392268	50.0000	39.778	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	1483575			0.00- 30.00	378.20
34 2-Propanol					CAS #: 67-63-0		
4.173	4.173 (0.578)	45	1540179	50.0000	39.859	80.00- 120.00	100.00
4.173	4.173 (0.578)	43	356524			0.00- 30.00	23.15
4.173	4.173 (0.578)	59	54037			0.00- 30.00	3.51
33 Carbon Disulfide					CAS #: 75-15-0		
4.173	4.173 (0.578)	76	1806030	50.0000	36.978	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.449	4.449 (0.617)	76	300420	50.0000	39.445	80.00- 120.00	100.00
4.449	4.449 (0.617)	41	1263341			0.00- 30.00	420.52
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	1005858	50.0000	38.738	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	533988			23.09- 83.09	53.09
4.671	4.671 (0.647)	51	279143			0.00- 30.00	27.75
43 MTBE					CAS #: 1634-04-4		
5.002	5.002 (0.693)	73	1636253	50.0000	44.720	80.00- 120.00	100.00
5.002	5.002 (0.693)	57	435478			0.00- 56.61	26.61
5.002	5.002 (0.693)	41	583644			0.00- 30.00	35.67
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.058	5.058 (0.701)	96	671206	50.0000	37.724	80.00- 120.00	100.00
5.058	5.058 (0.701)	61	1200012			148.78- 208.78	178.78
5.058	5.058 (0.701)	98	426997			0.00- 30.00	63.62

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.390	5.390 (0.747)	57	1449053	50.0000	38.787	80.00- 120.00	100.00
5.390	5.390 (0.747)	43	1082210			0.00- 30.00	74.68
5.390	5.390 (0.747)	86	182169			0.00- 30.00	12.57
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.804	5.804 (0.805)	63	1400128	50.0000	39.479	80.00- 120.00	100.00
5.804	5.804 (0.805)	65	428295			0.59- 60.59	30.59
55 Vinyl Acetate					CAS #: 108-05-4		
5.887	5.887 (0.816)	86	146816	50.0000	37.101	80.00- 120.00	100.00
5.887	5.887 (0.816)	43	2429107			0.00- 30.00	1654.52
5.860	5.860 (0.812)	42	210506			0.00- 30.00	143.38
65 2-Butanone					CAS #: 78-93-3		
6.855	6.855 (0.950)	72	339830	50.0000	39.330	80.00- 120.00	100.00
6.855	6.855 (0.950)	43	1948571			543.40- 603.40	573.40
6.855	6.855 (0.950)	57	128809			0.00- 30.00	37.90
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	1084761	50.0000	39.092	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	713602			35.78- 95.78	65.78
6.800	6.800 (0.942)	98	441052			10.66- 70.66	40.66
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1232006	50.0000	40.826	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	314835			0.00- 55.55	25.55
7.214	7.214 (1.000)	72	334353			0.00- 30.00	27.14
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1406664	50.0000	39.619	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	872929			32.06- 92.06	62.06
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.601	7.601 (1.054)	97	1418450	50.0000	41.608	80.00- 120.00	100.00
7.601	7.601 (1.054)	99	929918			35.56- 95.56	65.56
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	1039949	50.0000	39.717	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1481944			112.50- 172.50	142.50
7.574	7.574 (1.050)	41	948072			61.17- 121.17	91.17
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1298139	50.0000	47.419	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1366513			75.27- 135.27	105.27

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	4580016	50.0000	40.551	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1464743			0.00- 30.00	31.98
8.293	8.293 (1.149)	41	1385764			0.00- 30.00	30.26
81 Benzene					CAS #: 71-43-2		
8.265	8.265 (0.909)	78	2339367	50.0000	38.950	80.00- 120.00	100.00
8.265	8.265 (0.909)	77	546311			0.00- 30.00	23.35
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	1094898	50.0000	43.547	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	333419			0.00- 30.00	30.45
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	245811	50.0000	39.032	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	1921564			0.00- 30.00	781.72
8.680	8.680 (0.954)	71	816968			0.00- 30.00	332.36
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	920050	50.0000	39.767	80.00- 120.00	100.00
9.509	9.509 (1.046)	130	888449			66.57- 126.57	96.57
9.482	9.482 (1.043)	97	600700			35.29- 95.29	65.29
97 1,2-Dichloropropane					CAS #: 78-87-5		
10.007	10.007 (1.100)	63	875347	50.0000	38.510	80.00- 120.00	100.00
10.007	10.007 (1.100)	62	601282			38.69- 98.69	68.69
10.007	10.007 (1.100)	41	669277			46.46- 106.46	76.46
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	514928	50.0000	45.852	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	433508			54.19- 114.19	84.19
10.228	10.228 (1.125)	57	138065			0.00- 30.00	26.81
100 Bromodichloromethane					CAS #: 75-27-4		
10.560	10.560 (1.161)	83	1446891	50.0000	43.397	80.00- 120.00	100.00
10.560	10.560 (1.161)	85	869982			30.13- 90.13	60.13
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.500	11.500 (1.264)	75	1096213	50.0000	39.763	80.00- 120.00	100.00
11.500	11.500 (1.264)	77	344717			1.45- 61.45	31.45
11.500	11.500 (1.264)	39	813563			44.22- 104.22	74.22
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	734347	50.0000	38.582	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	2109229			0.00- 30.00	287.23
11.832	11.832 (1.301)	85	263049			0.00- 30.00	35.82

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2527536	50.0000	44.872	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1498203			29.28- 89.28	59.28
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	1073608	50.0000	46.940	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	336733			1.36- 61.36	31.36
12.689	12.689 (0.879)	39	751551			40.00- 100.00	70.00
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	827791	50.0000	46.639	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	521015			32.94- 92.94	62.94
12.993	12.993 (0.900)	83	719323			56.90- 116.90	86.90
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	1155445	50.0000	46.385	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	806695			39.82- 99.82	69.82
13.021	13.021 (0.902)	131	783935			37.85- 97.85	67.85
114 2-Hexanone					CAS #: 591-78-6		
13.436	13.436 (0.931)	58	941532	50.0000	42.481	80.00- 120.00	100.00
13.436	13.436 (0.931)	43	2027904			185.38- 245.38	215.38
13.436	13.436 (0.931)	100	152509			0.00- 30.00	16.20
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1248231	50.0000	47.505	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	962765			0.00- 30.00	77.13
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1314780	50.0000	45.277	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1215949			62.48- 122.48	92.48
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	1990381	50.0000	44.741	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	620427			1.17- 61.17	31.17
14.486	14.486 (1.004)	77	1182727			29.42- 89.42	59.42
129 Ethyl Benzene					CAS #: 100-41-4		
14.624	14.624 (1.013)	106	1071986	50.0000	47.476	80.00- 120.00	100.00
14.624	14.624 (1.013)	91	3444568			0.00- 30.00	321.33
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1330284	50.0000	46.110	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	2664201			0.00- 30.00	200.27
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	1218596	50.0000	44.002	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.343	15.343 (1.063)	91	2641556			186.77- 246.77	216.77
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	1993446	50.0000	41.875	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	1019820			21.16- 81.16	51.16
135 Bromoform					CAS #: 75-25-2		
15.647	15.647 (1.084)	173	1261477	50.0000	53.794	80.00- 120.00	100.00
15.647	15.647 (1.084)	171	660086			22.33- 82.33	52.33
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	1803314	50.0000	44.336	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	1099794			30.99- 90.99	60.99
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	3623309	50.0000	46.418	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	1043431			0.00- 58.80	28.80
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	3414782	50.0000	43.945	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	1591298			0.00- 30.00	46.60
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	3096135	50.0000	43.634	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1327448			12.87- 72.87	42.87
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.362	17.362 (1.203)	146	1872581	50.0000	44.832	80.00- 120.00	100.00
17.362	17.362 (1.203)	148	1182915			0.00- 30.00	63.17
17.334	17.334 (1.201)	111	807211			0.00- 30.00	43.11
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2447664	50.0000	45.728	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1534682			0.00- 30.00	62.70
17.445	17.445 (1.209)	111	993168			0.00- 30.00	40.58
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	2438658	50.0000	47.240	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	476833			0.00- 30.00	19.55
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	2102614	50.0000	44.781	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1299443			31.80- 91.80	61.80
17.804	17.804 (1.234)	111	960984			15.70- 75.70	45.70

RT	EXP RT (REL RT)	MASS	RESPONSE	AMOUNTS CAL-AMT (PPBV)	ON-COL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	1578135	50.0000	42.622	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	1482597			63.95- 123.95	93.95
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1606846	50.0000	46.896	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	1017368			33.31- 93.31	63.31
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	4775423	50.0000	47.774	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	1021456			0.00- 30.00	21.39
16.366	16.366 (1.134)	105	166100			0.00- 30.00	3.48
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	3934522	50.0000	44.572	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	991788			0.00- 30.00	25.21
15.841	15.841 (1.098)	51	471848			0.00- 30.00	11.99
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	2944623	50.0000	39.691	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	367921			0.00- 30.00	12.49
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	1139144	50.0000	40.654	80.00- 120.00	100.00
4.809	4.809 (0.667)	41	361023			0.00- 30.00	31.69
4.809	4.809 (0.667)	57	121777			0.00- 30.00	10.69
9 Butane					CAS #: 106-97-8		
2.293	2.293 (0.318)	58	135150	50.0000	32.558	80.00- 120.00	100.00
2.265	2.265 (0.314)	43	1236422			0.00- 30.00	914.85
15 Isopentane					CAS #: 78-78-4		
2.873	2.873 (0.398)	43	1179982	50.0000	39.672	80.00- 120.00	100.00
2.873	2.873 (0.398)	57	694321			0.00- 30.00	58.84
2.873	2.873 (0.398)	72	60253			0.00- 30.00	5.11
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.730	9.730 (1.349)	83	1436554	50.0000	41.438	80.00- 120.00	100.00
9.730	9.730 (1.349)	98	664087			0.00- 30.00	46.23
9.730	9.730 (1.349)	55	1387668			0.00- 30.00	96.60

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040402.d
Lab Smp Id: CCV-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 04-APR-2008
Calibration Time: 10:06
Client Smp ID: CCV-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	226923	136154	317692	269710	18.86
88 1,4-Difluorobenze	1045256	627154	1463358	1256487	20.21
125 Chlorobenzene-d5	646854	388112	905596	768549	18.81

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	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.

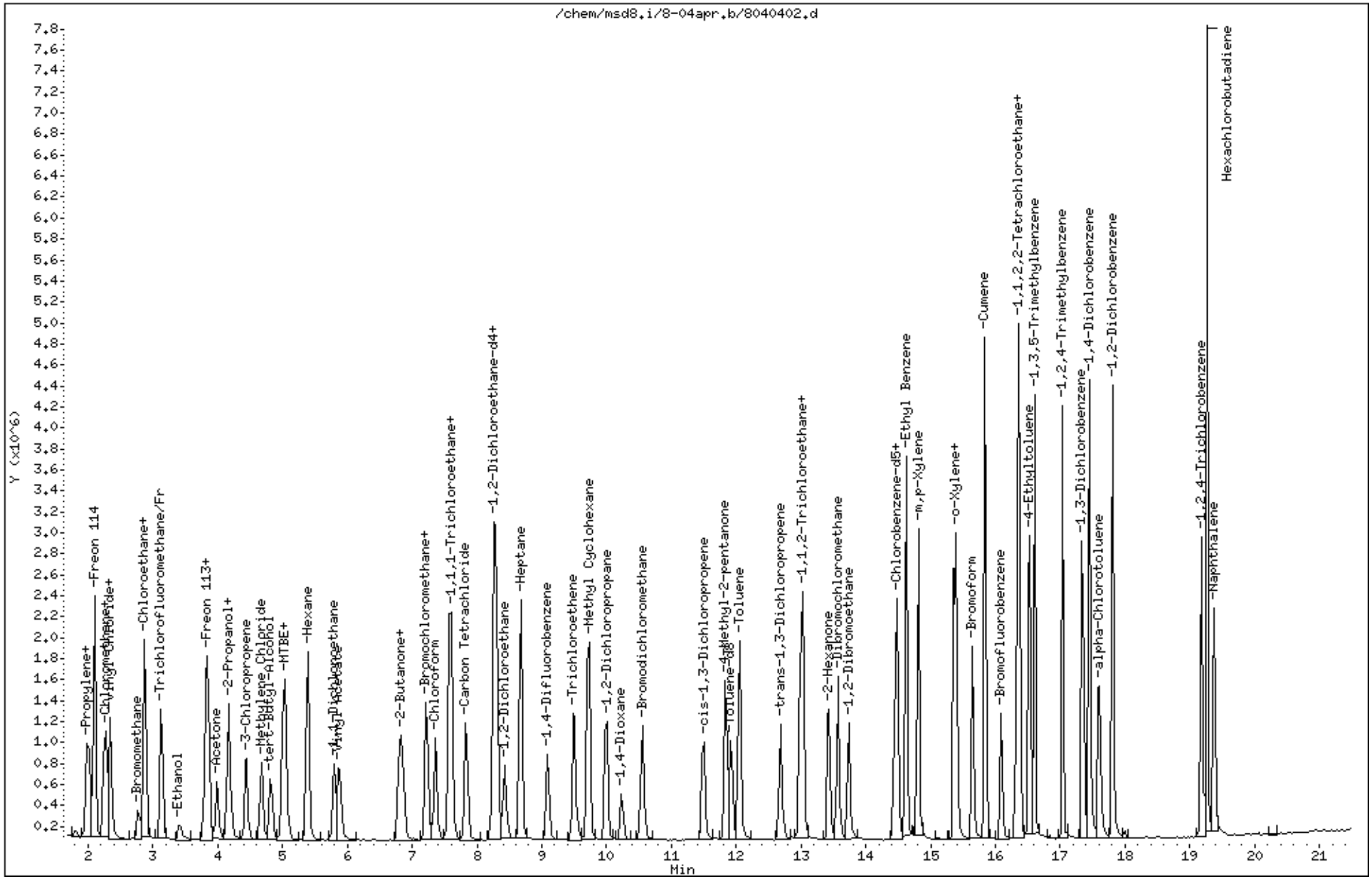
0202

Data File: /chem/msd8.i/8-04apr.b/8040402.d
Date : 04-APR-2008 07:44
Client ID: CCV-1
Sample Info: 50mL #1576-332

Instrument: msd8.i

Operator: cb

Column phase: RTx-624
Column diameter: 0.53



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803603-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 08:12 AM**	

Compound	%Recovery
Freon 12	86
Freon 114	75
Vinyl Chloride	66 Q
Bromomethane	75
Chloroethane	72
Freon 11	82
1,1-Dichloroethene	79
Freon 113	88
Methylene Chloride	85
1,1-Dichloroethane	83
cis-1,2-Dichloroethene	79
Chloroform	81
1,1,1-Trichloroethane	86
Carbon Tetrachloride	95
Benzene	81
1,2-Dichloroethane	93
Trichloroethene	84
1,2-Dichloropropane	78
cis-1,3-Dichloropropene	82
Toluene	99
trans-1,3-Dichloropropene	95
1,1,2-Trichloroethane	96
Tetrachloroethene	98
1,2-Dibromoethane (EDB)	90
Chlorobenzene	91
Ethyl Benzene	99
m,p-Xylene	92
o-Xylene	93
Styrene	84
1,1,2,2-Tetrachloroethane	90
1,3,5-Trimethylbenzene	86
1,2,4-Trimethylbenzene	91
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	94
1,3-Butadiene	69
Hexane	77
Cyclohexane	80

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0803603-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**8040403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 4/4/08 08:12 AM**	

Compound	%Recovery
Heptane	82
Bromodichloromethane	91
Dibromochloromethane	98
Cumene	95
Propylbenzene	99
Chloromethane	74
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	90
Acetone	79
Carbon Disulfide	75
2-Propanol	84
trans-1,2-Dichloroethene	77
2-Butanone (Methyl Ethyl Ketone)	80
Tetrahydrofuran	79
1,4-Dioxane	98
4-Methyl-2-pentanone	84
2-Hexanone	94
Bromoform	112
4-Ethyltoluene	97
Ethanol	89
Methyl tert-butyl ether	96
3-Chloropropene	71
2,2,4-Trimethylpentane	81
Naphthalene	84

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	103	70-130
1,2-Dichloroethane-d4	91	70-130
4-Bromofluorobenzene	110	70-130

Report Date: 04-Apr-2008 08:19

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 8-04apr
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Level: LOW Operator: cb
Data Type: MS DATA SampleType: LCS
SpikeList File: Spectra.spk Quant Type: ISTD
Sublist File: AT08.sub
Method File: /var/chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 50ppbv (200ppbv)

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
134 Styrene	50.000	41.912	83.82	70-130
108 trans-1,3-Dichloro	50.000	47.535	95.07	70-130
3 Propylene	50.000	44.597	89.19	60-140
4 Dichlorodifluorome	50.000	42.839	85.68	70-130
6 Freon 114	50.000	37.678	75.36	70-130
8 Chloromethane	50.000	37.191	74.38	70-130
11 Vinyl Chloride	50.000	33.051	66.10*	70-130
10 1,3-Butadiene	50.000	34.438	68.88	60-140
13 Bromomethane	50.000	37.691	75.38	70-130
16 Chloroethane	50.000	35.994	71.99	70-130
18 Trichlorofluoromet	50.000	41.159	82.32	70-130
23 Ethanol	50.000	44.326	88.65	60-140
28 Freon 113	50.000	43.858	87.72	70-130
29 1,1-Dichloroethene	50.000	39.689	79.38	70-130
30 Acetone	50.000	39.343	78.69	60-140
33 Carbon Disulfide	50.000	37.636	75.27	60-140
34 2-Propanol	50.000	41.750	83.50	60-140
40 Methylene Chloride	50.000	42.437	84.87	70-130
43 MTBE	50.000	47.997	95.99	60-140
45 trans-1,2-Dichloro	50.000	38.368	76.74	60-140
46 Hexane	50.000	38.601	77.20	60-140
54 1,1-Dichloroethane	50.000	41.661	83.32	70-130
55 Vinyl Acetate	50.000	38.725	77.45	60-140
64 cis-1,2-Dichloroet	50.000	39.483	78.97	70-130
65 2-Butanone	50.000	40.222	80.44	60-140
67 Tetrahydrofuran	50.000	39.404	78.81	60-140
70 Chloroform	50.000	40.312	80.63	70-130
73 Cyclohexane	50.000	39.833	79.67	60-140
75 1,1,1-Trichloroeth	50.000	42.750	85.50	70-130
77 Carbon Tetrachlori	50.000	47.619	95.24	70-130
81 Benzene	50.000	40.372	80.74	70-130
83 1,2-Dichloroethane	50.000	46.412	92.82	70-130
85 Heptane	50.000	40.784	81.57	60-140

SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
94 Trichloroethene	50.000	42.036	84.07	70-130
97 1,2-Dichloropropan	50.000	39.069	78.14	70-130
98 1,4-Dioxane	50.000	48.983	97.97	60-140
100 Bromodichlorometha	50.000	45.399	90.80	60-140
102 cis-1,3-Dichloropr	50.000	41.109	82.22	70-130
103 4-Methyl-2-pentano	50.000	42.080	84.16	60-140
105 Toluene	50.000	49.414	98.83	70-130
110 1,1,2-Trichloroeth	50.000	47.976	95.95	70-130
112 Tetrachloroethene	50.000	48.891	97.78	70-130
114 2-Hexanone	50.000	47.188	94.38	60-140
116 Dibromochlorometha	50.000	48.980	97.96	60-140
117 1,2-Dibromoethane	50.000	44.861	89.72	70-130
126 Chlorobenzene	50.000	45.585	91.17	70-130
129 Ethyl Benzene	50.000	49.617	99.23	70-130
130 m,p-Xylene	50.000	46.256	92.51	70-130
132 o-Xylene	50.000	46.662	93.32	70-130
135 Bromoform	50.000	55.965	111.93	60-140
144 1,1,2,2-Tetrachlor	50.000	45.126	90.25	70-130
147 4-Ethyltoluene	50.000	48.306	96.61	60-140
148 1,3,5-Trimethylben	50.000	43.125	86.25	70-130
153 1,2,4-Trimethylben	50.000	45.355	90.71	70-130
156 1,3-Dichlorobenzen	50.000	47.194	94.39	70-130
157 1,4-Dichlorobenzen	50.000	47.196	94.39	70-130
158 alpha-Chlorotoluen	50.000	51.407	102.81	70-130
161 1,2-Dichlorobenzen	50.000	46.945	93.89	70-130
167 1,2,4-Trichloroben	50.000	45.235	90.47	70-130
168 Hexachlorobutadien	50.000	45.271	90.54	70-130
137 Cumene	50.000	47.331	94.66	60-140
145 Propylbenzene	50.000	49.710	99.42	60-140
37 3-Chloropropene	50.000	35.599	71.20	60-140
80 2,2,4-Trimethylpen	50.000	40.424	80.85	60-140
169 Naphthalene	50.000	42.185	84.37	60-140
9 Butane	50.000	34.182	68.36*	70-130
15 Isopentane	50.000	39.675	79.35	70-130
95 Methyl Cyclohexane	50.000	42.800	85.60	70-130

SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 82 1,2-Dichloroethane	25.000	22.870	91.48	70-130
$ 104 Toluene-d8	25.000	25.751	103.00	70-130
$ 140 Bromofluorobenzene	25.000	27.497	109.99	70-130

Air Toxics Ltd.

AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd8.i/8-04apr.b/8040403.d
Lab Smp Id: LCS-1 Client Smp ID: LCS-1
Inj Date : 04-APR-2008 08:12
Operator : cb Inst ID: msd8.i
Smp Info : 50mL #1576-336
Misc Info : 50ppbv (200ppbv)
Comment :
Method : /var/chem/msd8.i/8-04apr.b/t14q307c.m
Meth Date : 04-Apr-2008 07:53 sscott Quant Type: ISTD
Cal Date : 01-APR-2008 10:36 Cal File: 8040107.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
* 68 Bromochloromethane					CAS #: 74-97-5		
7.214	7.214 (1.000)	130	236385	25.0000		80.00- 120.00	100.00
7.214	7.214 (1.000)	128	176089			46.91- 106.91	74.49
7.214	7.214 (1.000)	49	478750			166.10- 226.10	202.53
* 88 1,4-Difluorobenzene					CAS #: 540-36-3		
9.095	9.095 (1.000)	114	1047870	25.0000		80.00- 120.00	100.00
9.095	9.095 (1.000)	88	161020			0.00- 45.17	15.37
* 125 Chlorobenzene-d5					CAS #: 3114-55-4		
14.431	14.431 (1.000)	117	652260	25.0000		80.00- 120.00	100.00
14.431	14.431 (1.000)	82	411007			0.00- 30.00	63.01
$ 82 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
8.265	8.293 (1.146)	65	380999	22.8701	22.870	80.00- 120.00	100.00
8.265	8.293 (1.146)	67	209816			25.59- 85.59	55.07
$ 104 Toluene-d8					CAS #: 2037-26-5		
11.915	11.915 (1.310)	98	1020288	25.7507	25.751	80.00- 120.00	100.00
11.915	11.915 (1.310)	70	98385			0.00- 40.92	9.64

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 104 Toluene-d8 (continued)							
11.915	11.915 (1.310)	100	727240			42.51- 102.51	71.28
$ 140 Bromofluorobenzene					CAS #: 460-00-4		
16.090	16.090 (1.115)	174	450435	27.4968	27.497	80.00- 120.00	100.00
16.090	16.090 (1.115)	95	532198			89.44- 149.44	118.15
16.090	16.090 (1.115)	176	419871			66.17- 126.17	93.21
3 Propylene					CAS #: 115-07-1		
1.933	1.961 (0.268)	41	609290	44.5966	44.597	80.00- 120.00	100.00
1.933	1.961 (0.268)	42	400849			0.00- 30.00	65.79
1.933	1.961 (0.268)	39	453240			0.00- 30.00	74.39
4 Dichlorodifluoromethane/Fr12					CAS #: 75-71-8		
1.989	2.016 (0.276)	85	1450705	42.8394	42.839	80.00- 120.00	100.00
1.989	2.016 (0.276)	87	479451			0.00- 30.00	33.05
6 Freon 114					CAS #: 76-14-2		
2.072	2.099 (0.287)	135	867753	37.6779	37.678	80.00- 120.00	100.00
2.072	2.099 (0.287)	137	281361			2.31- 62.31	32.42
8 Chloromethane					CAS #: 74-87-3		
2.182	2.237 (0.302)	50	626741	37.1908	37.191	80.00- 120.00	100.00
2.182	2.237 (0.302)	52	181521			0.00- 30.00	28.96
11 Vinyl Chloride					CAS #: 75-01-4		
2.321	2.348 (0.322)	62	574661	33.0512	33.051	80.00- 120.00	100.00(R)
2.321	2.348 (0.322)	64	171120			0.00- 30.00	29.78
10 1,3-Butadiene					CAS #: 106-99-0		
2.321	2.348 (0.322)	54	506864	34.4376	34.438	80.00- 120.00	100.00
2.321	2.348 (0.322)	39	612219			0.00- 30.00	120.79
13 Bromomethane					CAS #: 74-83-9		
2.735	2.763 (0.379)	94	399397	37.6910	37.691	80.00- 120.00	100.00
2.735	2.763 (0.379)	96	381636			60.13- 120.13	95.55
16 Chloroethane					CAS #: 75-00-3		
2.818	2.846 (0.391)	64	303338	35.9946	35.994	80.00- 120.00	100.00
2.818	2.846 (0.391)	49	103721			0.00- 30.00	34.19
2.846	2.846 (0.394)	66	89171			0.00- 30.00	29.40
18 Trichlorofluoromethane/Fr11					CAS #: 75-69-4		
3.095	3.122 (0.429)	101	1483970	41.1593	41.159	80.00- 120.00	100.00
3.095	3.122 (0.429)	103	966875			34.49- 94.49	65.15

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
23 Ethanol					CAS #: 64-17-5		
3.399	3.399 (0.471)	45	314879	44.3265	44.326	80.00- 120.00	100.00
3.399	3.399 (0.471)	43	69520			0.00- 30.00	22.08
3.399	3.426 (0.471)	46	118848			0.00- 30.00	37.74
28 Freon 113					CAS #: 76-13-1		
3.814	3.814 (0.529)	151	823506	43.8578	43.858	80.00- 120.00	100.00
3.814	3.814 (0.529)	153	517878			31.96- 91.96	62.89
3.786	3.814 (0.525)	101	1078048			101.05- 161.05	130.91
29 1,1-Dichloroethene					CAS #: 75-35-4		
3.841	3.841 (0.532)	61	1087192	39.6890	39.689	80.00- 120.00	100.00
3.841	3.869 (0.532)	96	512126			17.76- 77.76	47.11
3.841	3.869 (0.532)	98	318065			1.08- 61.08	29.26
30 Acetone					CAS #: 67-64-1		
3.979	3.979 (0.552)	58	340041	39.3427	39.343	80.00- 120.00	100.00
3.979	3.979 (0.552)	43	1320983			0.00- 30.00	388.48
34 2-Propanol					CAS #: 67-63-0		
4.145	4.173 (0.575)	45	1413931	41.7505	41.750	80.00- 120.00	100.00
4.145	4.173 (0.575)	43	323166			0.00- 30.00	22.86
4.145	4.173 (0.575)	59	43889			0.00- 30.00	3.10
33 Carbon Disulfide					CAS #: 75-15-0		
4.145	4.173 (0.575)	76	1611072	37.6365	37.636	80.00- 120.00	100.00
37 3-Chloropropene					CAS #: 107-05-1		
4.422	4.449 (0.613)	76	237627	35.5992	35.599	80.00- 120.00	100.00
4.422	4.449 (0.613)	41	1148897			0.00- 30.00	483.49
40 Methylene Chloride					CAS #: 75-09-2		
4.671	4.671 (0.647)	49	965765	42.4369	42.437	80.00- 120.00	100.00
4.671	4.671 (0.647)	84	521027			23.09- 83.09	53.95
4.671	4.671 (0.647)	51	278328			0.00- 30.00	28.82
43 MTBE					CAS #: 1634-04-4		
5.003	5.002 (0.693)	73	1539175	47.9967	47.997	80.00- 120.00	100.00
5.003	5.002 (0.693)	57	424301			0.00- 56.61	27.57
5.003	5.002 (0.693)	41	548035			0.00- 30.00	35.61
45 trans-1,2-Dichloroethene					CAS #: 156-60-5		
5.030	5.058 (0.697)	96	598307	38.3679	38.368	80.00- 120.00	100.00
5.030	5.058 (0.697)	61	1024000			148.78- 208.78	171.15
5.030	5.058 (0.697)	98	393383			0.00- 30.00	65.75

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
46 Hexane					CAS #: 110-54-3		
5.362	5.390 (0.743)	57	1263930	38.6010	38.601	80.00- 120.00	100.00
5.362	5.390 (0.743)	43	958006			0.00- 30.00	75.80
5.390	5.390 (0.747)	86	165530			0.00- 30.00	13.10
54 1,1-Dichloroethane					CAS #: 75-34-3		
5.777	5.804 (0.801)	63	1294973	41.6614	41.661	80.00- 120.00	100.00
5.777	5.804 (0.801)	65	381615			0.59- 60.59	29.47
55 Vinyl Acetate					CAS #: 108-05-4		
5.860	5.887 (0.812)	86	134308	38.7250	38.725	80.00- 120.00	100.00
5.860	5.887 (0.812)	43	2167932			0.00- 30.00	1614.15
5.860	5.860 (0.812)	42	191380			0.00- 30.00	142.49
65 2-Butanone					CAS #: 78-93-3		
6.827	6.855 (0.946)	72	304595	40.2217	40.222	80.00- 120.00	100.00
6.827	6.855 (0.946)	43	1739061			543.39- 603.39	570.94
6.827	6.855 (0.946)	57	120060			0.00- 30.00	39.42
64 cis-1,2-Dichloroethene					CAS #: 156-59-2		
6.800	6.800 (0.942)	61	960235	39.4827	39.483	80.00- 120.00	100.00
6.800	6.800 (0.942)	96	640356			35.78- 95.78	66.69
6.800	6.800 (0.942)	98	403382			10.66- 70.66	42.01
67 Tetrahydrofuran					CAS #: 109-99-9		
7.214	7.214 (1.000)	42	1042178	39.4041	39.404	80.00- 120.00	100.00
7.214	7.214 (1.000)	71	275956			0.00- 55.55	26.48
7.214	7.214 (1.000)	72	286059			0.00- 30.00	27.45
70 Chloroform					CAS #: 67-66-3		
7.353	7.353 (1.019)	83	1254442	40.3125	40.312	80.00- 120.00	100.00
7.353	7.353 (1.019)	85	766457			32.06- 92.06	61.10
75 1,1,1-Trichloroethane					CAS #: 71-55-6		
7.602	7.601 (1.054)	97	1277324	42.7499	42.750	80.00- 120.00	100.00
7.602	7.601 (1.054)	99	829217			35.56- 95.56	64.92
73 Cyclohexane					CAS #: 110-82-7		
7.574	7.574 (1.050)	84	914115	39.8326	39.833	80.00- 120.00	100.00
7.574	7.574 (1.050)	56	1331614			112.50- 172.50	145.67
7.574	7.574 (1.050)	41	831422			61.17- 121.17	90.95
77 Carbon Tetrachloride					CAS #: 56-23-5		
7.823	7.823 (1.084)	119	1142545	47.6193	47.619	80.00- 120.00	100.00
7.823	7.823 (1.084)	117	1199429			75.27- 135.27	104.98

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
80 2,2,4-Trimethylpentane					CAS #: 540-84-1		
8.293	8.293 (1.149)	57	4001632	40.4245	40.424	80.00- 120.00	100.00
8.293	8.293 (1.149)	56	1297156			0.00- 30.00	32.42
8.265	8.293 (1.146)	41	1210421			0.00- 30.00	30.25
81 Benzene					CAS #: 71-43-2		
8.238	8.265 (0.906)	78	2022164	40.3721	40.372	80.00- 120.00	100.00
8.238	8.265 (0.906)	77	466296			0.00- 30.00	23.06
83 1,2-Dichloroethane					CAS #: 107-06-2		
8.431	8.431 (0.927)	62	973185	46.4119	46.412	80.00- 120.00	100.00
8.431	8.431 (0.927)	64	299237			0.00- 30.00	30.75
85 Heptane					CAS #: 142-82-5		
8.680	8.680 (0.954)	100	214198	40.7841	40.784	80.00- 120.00	100.00
8.680	8.680 (0.954)	43	1716172			0.00- 30.00	801.21
8.680	8.680 (0.954)	71	718434			0.00- 30.00	335.41
94 Trichloroethene					CAS #: 79-01-6		
9.482	9.482 (1.043)	95	811068	42.0356	42.036	80.00- 120.00	100.00
9.482	9.509 (1.043)	130	760142			66.57- 126.57	93.72
9.482	9.482 (1.043)	97	518530			35.29- 95.29	63.93
97 1,2-Dichloropropane					CAS #: 78-87-5		
9.979	10.007 (1.097)	63	740616	39.0691	39.069	80.00- 120.00	100.00
9.979	10.007 (1.097)	62	511259			38.69- 98.69	69.03
9.979	10.007 (1.097)	41	569873			46.46- 106.46	76.95
98 1,4-Dioxane					CAS #: 123-91-1		
10.228	10.228 (1.125)	88	458759	48.9828	48.983	80.00- 120.00	100.00
10.228	10.228 (1.125)	58	392693			54.19- 114.19	85.60
10.228	10.228 (1.125)	57	122731			0.00- 30.00	26.75
100 Bromodichloromethane					CAS #: 75-27-4		
10.532	10.560 (1.158)	83	1262330	45.3990	45.399	80.00- 120.00	100.00
10.532	10.560 (1.158)	85	754451			30.13- 90.13	59.77
102 cis-1,3-Dichloropropene					CAS #: 10061-01-5		
11.472	11.500 (1.261)	75	945149	41.1089	41.109	80.00- 120.00	100.00
11.472	11.500 (1.261)	77	289740			1.45- 61.45	30.66
11.472	11.500 (1.261)	39	695916			44.22- 104.22	73.63
103 4-Methyl-2-pentanone					CAS #: 108-10-1		
11.832	11.832 (1.301)	58	667949	42.0803	42.080	80.00- 120.00	100.00
11.832	11.832 (1.301)	43	1977760			0.00- 30.00	296.09
11.832	11.832 (1.301)	85	242852			0.00- 30.00	36.36

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
105 Toluene					CAS #: 108-88-3		
12.053	12.053 (1.325)	91	2321291	49.4145	49.414	80.00- 120.00	100.00
12.053	12.053 (1.325)	92	1351379			29.28- 89.28	58.22
108 trans-1,3-Dichloropropene					CAS #: 10061-02-6		
12.689	12.689 (0.879)	75	922715	47.5353	47.535	80.00- 120.00	100.00
12.689	12.689 (0.879)	77	287665			1.36- 61.36	31.18
12.689	12.689 (0.879)	39	643625			40.00- 100.00	69.75
110 1,1,2-Trichloroethane					CAS #: 79-00-5		
12.993	12.993 (0.900)	97	722690	47.9764	47.976	80.00- 120.00	100.00
12.993	12.993 (0.900)	99	446113			32.94- 92.94	61.73
12.966	12.993 (0.898)	83	618952			56.90- 116.90	85.65
112 Tetrachloroethene					CAS #: 127-18-4		
13.021	13.021 (0.902)	166	1033578	48.8907	48.891	80.00- 120.00	100.00
13.021	13.021 (0.902)	129	726870			39.82- 99.82	70.33
13.021	13.021 (0.902)	131	702042			37.85- 97.85	67.92
114 2-Hexanone					CAS #: 591-78-6		
13.408	13.436 (0.929)	58	887614	47.1879	47.188	80.00- 120.00	100.00
13.408	13.436 (0.929)	43	1879874			185.38- 245.38	211.79
13.436	13.436 (0.931)	100	150406			0.00- 30.00	16.95
116 Dibromochloromethane					CAS #: 124-48-1		
13.574	13.574 (0.941)	129	1092235	48.9796	48.980	80.00- 120.00	100.00
13.574	13.574 (0.941)	127	847722			0.00- 30.00	77.61
117 1,2-Dibromoethane					CAS #: 106-93-4		
13.740	13.740 (0.952)	107	1105603	44.8614	44.861	80.00- 120.00	100.00
13.740	13.740 (0.952)	109	1051180			62.48- 122.48	95.08
126 Chlorobenzene					CAS #: 108-90-7		
14.486	14.486 (1.004)	112	1721079	45.5853	45.585	80.00- 120.00	100.00
14.486	14.486 (1.004)	114	544130			1.17- 61.17	31.62
14.486	14.486 (1.004)	77	1029399			29.42- 89.42	59.81
129 Ethyl Benzene					CAS #: 100-41-4		
14.625	14.624 (1.013)	106	950827	49.6175	49.617	80.00- 120.00	100.00
14.625	14.624 (1.013)	91	2984969			0.00- 30.00	313.93
130 m,p-Xylene					CAS #: 108-38-3		
14.818	14.818 (1.027)	106	1132576	46.2565	46.256	80.00- 120.00	100.00
14.818	14.818 (1.027)	91	2303654			0.00- 30.00	203.40
132 o-Xylene					CAS #: 95-47-6		
15.343	15.343 (1.063)	106	1096746	46.6624	46.662	80.00- 120.00	100.00

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	FINAL (PPBV)	TARGET RANGE	RATIO
132 o-Xylene (continued)							
15.343	15.343 (1.063)	91	2325032			186.77- 246.77	211.99
134 Styrene					CAS #: 100-42-5		
15.399	15.399 (1.067)	104	1693324	41.9122	41.912	80.00- 120.00	100.00
15.399	15.399 (1.067)	78	866288			21.16- 81.16	51.16
135 Bromoform					CAS #: 75-25-2		
15.648	15.647 (1.084)	173	1113804	55.9647	55.965	80.00- 120.00	100.00
15.648	15.647 (1.084)	171	571097			22.33- 82.33	51.27
144 1,1,2,2-Tetrachloroethane					CAS #: 79-34-5		
16.339	16.339 (1.132)	83	1557703	45.1259	45.126	80.00- 120.00	100.00
16.339	16.339 (1.132)	85	962523			30.99- 90.99	61.79
147 4-Ethyltoluene					CAS #: 622-96-8		
16.532	16.532 (1.146)	105	3200164	48.3066	48.306	80.00- 120.00	100.00
16.532	16.532 (1.146)	120	894083			0.00- 58.80	27.94
148 1,3,5-Trimethylbenzene					CAS #: 108-67-8		
16.615	16.615 (1.151)	105	2844027	43.1254	43.125	80.00- 120.00	100.00
16.615	16.615 (1.151)	120	1366028			0.00- 30.00	48.03
153 1,2,4-Trimethylbenzene					CAS #: 95-63-6		
17.030	17.030 (1.180)	105	2731264	45.3548	45.355	80.00- 120.00	100.00
17.030	17.030 (1.180)	120	1194725			12.87- 72.87	43.74
156 1,3-Dichlorobenzene					CAS #: 541-73-1		
17.334	17.362 (1.201)	146	1672969	47.1939	47.194	80.00- 120.00	100.00
17.334	17.362 (1.201)	148	1052475			0.00- 30.00	62.91
17.334	17.334 (1.201)	111	735128			0.00- 30.00	43.94
157 1,4-Dichlorobenzene					CAS #: 106-46-7		
17.445	17.445 (1.209)	146	2143982	47.1960	47.196	80.00- 120.00	100.00
17.445	17.445 (1.209)	148	1366091			0.00- 30.00	63.72
17.445	17.445 (1.209)	111	845326			0.00- 30.00	39.43
158 alpha-Chlorotoluene					CAS #: 100-44-7		
17.611	17.611 (1.220)	91	2252205	51.4066	51.407	80.00- 120.00	100.00
17.611	17.611 (1.220)	126	414232			0.00- 30.00	18.39
161 1,2-Dichlorobenzene					CAS #: 95-50-1		
17.804	17.804 (1.234)	146	1870701	46.9450	46.945	80.00- 120.00	100.00
17.804	17.804 (1.234)	148	1170225			31.80- 91.80	62.56
17.804	17.804 (1.234)	111	817845			15.70- 75.70	43.72

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
167 1,2,4-Trichlorobenzene					CAS #: 120-82-1		
19.187	19.187 (1.330)	180	1421471	45.2349	45.235	80.00- 120.00	100.00
19.187	19.187 (1.330)	182	1358694			63.95- 123.95	95.58
168 Hexachlorobutadiene					CAS #: 87-68-3		
19.270	19.270 (1.335)	225	1316457	45.2713	45.271	80.00- 120.00	100.00
19.270	19.270 (1.335)	223	833214			33.31- 93.31	63.29
145 Propylbenzene					CAS #: 103-65-1		
16.366	16.366 (1.134)	91	4217100	49.7099	49.710	80.00- 120.00	100.00
16.366	16.366 (1.134)	120	917043			0.00- 30.00	21.75
16.366	16.366 (1.134)	105	145933			0.00- 30.00	3.46
137 Cumene					CAS #: 98-82-8		
15.841	15.841 (1.098)	105	3545920	47.3311	47.331	80.00- 120.00	100.00
15.841	15.841 (1.098)	120	897329			0.00- 30.00	25.31
15.841	15.841 (1.098)	51	427915			0.00- 30.00	12.07
169 Naphthalene					CAS #: 91-20-3		
19.380	19.380 (1.343)	128	2656115	42.1851	42.185	80.00- 120.00	100.00
19.380	19.380 (1.343)	127	337500			0.00- 30.00	12.71
38 tert-Butyl-Alcohol					CAS #: 75-65-0		
4.809	4.809 (0.667)	59	1087195	44.2699	44.270	80.00- 120.00	100.00
4.781	4.809 (0.663)	41	344877			0.00- 30.00	31.72
4.809	4.809 (0.667)	57	110859			0.00- 30.00	10.20
9 Butane					CAS #: 106-97-8		
2.265	2.293 (0.314)	58	124358	34.1821	34.182	80.00- 120.00	100.00(R)
2.265	2.265 (0.314)	43	1105089			0.00- 30.00	888.63
15 Isopentane					CAS #: 78-78-4		
2.846	2.873 (0.394)	43	1034272	39.6753	39.675	80.00- 120.00	100.00
2.846	2.873 (0.394)	57	591433			0.00- 30.00	57.18
2.846	2.873 (0.394)	72	52810			0.00- 30.00	5.11
95 Methyl Cyclohexane					CAS #: 108-87-2		
9.703	9.730 (1.345)	83	1300455	42.8001	42.800	80.00- 120.00	100.00
9.703	9.730 (1.345)	98	582153			0.00- 30.00	44.77
9.703	9.730 (1.345)	55	1232315			0.00- 30.00	94.76

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msd8.i
Lab File ID: 8040403.d
Lab Smp Id: LCS-1
Analysis Type: VOA
Quant Type: ISTD
Operator: cb
Method File: /var/chem/msd8.i/8-04apr.b/t14q307c.m
Misc Info: 50ppbv (200ppbv)

Calibration Date: 04-APR-2008
Calibration Time: 07:44
Client Smp ID: LCS-1
Level: LOW
Sample Type: AIR

		AREA LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	269710	161826	377594	236385	-12.36
88 1,4-Difluorobenze	1256487	753892	1759082	1047870	-16.60
125 Chlorobenzene-d5	768549	461129	1075969	652260	-15.13

		RT LIMIT			
COMPOUND	STANDARD	LOWER	UPPER	SAMPLE	%DIFF
68 Bromochloromethan	7.21	6.88	7.54	7.21	0.00
88 1,4-Difluorobenze	9.09	8.76	9.42	9.09	0.00
125 Chlorobenzene-d5	14.43	14.10	14.76	14.43	0.00

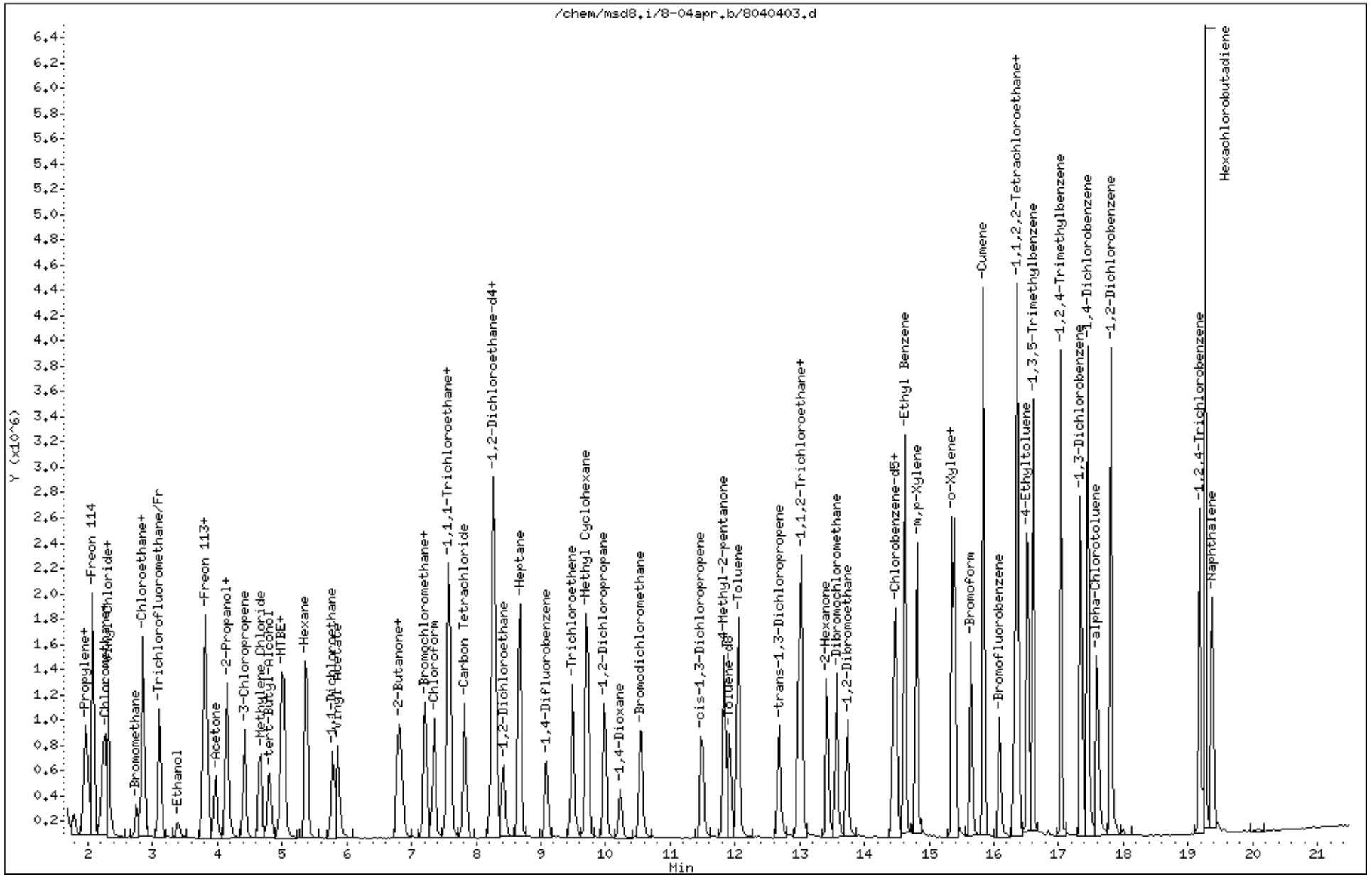
AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

0216

Data File: /chem/msd8.i/8-04apr.b/8040403.d
Date : 04-APR-2008 08:12
Client ID: LCS-1
Sample Info: 50mL #1576-336

Instrument: msd8.i
Operator: cb
Column diameter: 0.53

Column phase: RTx-624



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MSD-8

Logbook #: 1647

0217

m/z	ION ABUNDANCE CRITERIA	% REL. ABUNDANCE
50	15.0 – 40.0% of mass 95	29.00
75	30.0 – 60.0% of mass 95	48.09
95	Base peak, 100.00% relative abundance	100.00
96	5.0 – 9.0% of mass 95	6.65
173	Less than 2.0% of mass 174	(1.21)[1]
174	50.0 – 100% of mass 95	78.26
175	5.0 – 9.0% of mass 174	(7.35)[1]
176	Greater than 95.0% but less than 101.0% of mass 174	(96.91)[1]
177	5.0 – 9.0% of mass 176	(6.40)[2]

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

BFB Injection Date: 4/4/08
BFB Injection Time: 0725
BFB File ID: 8040401
Tekmar Purge Flow: 15.6 mL/min
Vacuum: 9.4x10^-6

IS/S Std.#: 1541-51	Exp. Date: 5/28/08
BCM	267710
1,4-DFB	1256487
CB-d5	768549

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

Verify 176/174 m/z Ratio: (628616 / 648128) x 100 = 96.909

NOAH Cart #: 7/11 **File #:** ~~8040303~~ 8040304/8040407

Calculation Check:

ppbv of compound = $\frac{Area_{Sample}}{Area_{IS}} \times \frac{Conc._{IS}}{RRF} = \frac{(\ 1200286\ )}{(\ 1256487\ )} \times \frac{(\ 25,000\ )}{(\ 0.945893\ )} = 25.2639$

File ID: 8041402
Compound: Toluene-d8
Initials: SS

Reported Result 25.26

Method: 8260C_w

	Use	File #	Sample / Client Name	Can #	Pressure	Amt Loaded	DF	Loaded by Init.	Date Analyzed	Time Analyzed	Reviewed by Init.	Comments
1	✓	8040401	BFB Time Check	1496-2755	50 psig	20 ml	1.00	SS	4/4/08	0725	SS	
2	✓	02	1576-332 200ppbv	CCV-1	50 ppbv	50 ml				0741	SS	
3	✓	03	1576-336 200ppbv	LCS-1	50 ppbv	50 ml				0812	SS	
4	✓	04	~~1576-332~~ 1541-47 200ppbv	SpCCV	50 ppbv	50 ml				0849	SS	Sp Wk CCV BFB
5	✓	05	1576-319 200 ppbv	SpCCV	50 ppbv	50 ml				0925	SS	Sp Wk CCV 4TP Spec
6	✓	06	1541-11 200ppbv	SpCCV	50 ppbv	50 ml				1001	SS	Sp 2nd CCV Spec
7	X	07	Lab Blank	13673	Ambient	20 ml	↓	↓	↓	1053	SS	Cart #11 Leg #8

Signature

4/4/08
Date

@ Air Toxics Ltd.

MSD-8

Logbook #: 1647

8	X	8040408	Lab Blank	13673	Humid	Zero	1.00	KR	4/4/08	1139	KR	Cert #8 Leg #1
9	✓	09	Lab Blank	12009	Humid	Zero	1.00	KR		1225	KR	
10	X	8042410	0803595-01A	9372	5.0"Hg-15psi	200ml	2.42	KR		1312	KR	bad load
11	X	11	↓ 02A	5C8	5.0"Hg		2.89			1355	KR	
12	X	12	0803698-01A	5C23	11.5"Hg		3.28			1437	KR	
13	X	13	0803654-01A	23534	4.0"Hg		2.33			1519	KR	
14	X	14	0803595-01AA	9372	5.0"Hg ↓	200ml	2.42	KR		1733	KR	↓
15	✓	15	Cart Cert #14	13673	Humid	200ml	1.00			1842	KR	Leg 8 Passed ATCS
16	X	16	0803595-01A	9372	5.0"Hg-15psi 2.0"Hg-15psi		4.99	↓	↓	1955	KR	out of clock
17		~~17~~	~~-01AA~~	↓	↓		↓					Not Run
18		18	↓ -02A	~~5C8~~	~~5.0"Hg-15psi 2.0"Hg-15psi~~		5.84					↓
19		19	~~0803698~~ -01A	5C23	~~11.5"Hg-15psi 2.0"Hg-15psi~~		6.62					
20		~~20~~	~~0803654 - 01A~~	~~23534~~	~~4.0"Hg-15psi 2.0"Hg-15psi~~		4.71					KR 4-4-08
21	✓	17	Cart Cert #8	13673	Humid	200ml	1.00	KR	4/4/08	2124	KR	Leg 1 Passed ATCS
22	✓	18	0804066-01A	22509	6.5"Hg-5psi		1.71			2229	KR	
23	✓	19	0803667A-02A	431	8.5"Hg		1.87			2312	KR	
24	✓	20	↓ -02AA	↓	↓		↓		↓	2354	KR	
25	✓	21	0803603-01A	34453	7.0"Hg		1.75		4/5/08	0034	KR	
26	✓	22	↓ -02A	4357	7.0"Hg		1.75			0119	KR	
27	✓	23	0804037A-01A	34219	8.5"Hg		1.36			0201	KR	
28	✓	24	-02A	23587	8.5"Hg		1.36			0243	KR	
29	✓	25	-03A	35148	5.0"Hg		1.61			0326	KR	
30	✓	26	↓ -04A	35245	0.0"Hg ↓	↓	1.34	↓		0408	KR	
31											KR 4/7/08	

0218

Comments:

Signature

4/7/08
Date

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-07mar.b/8030710.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 07-MAR-2008 16:10
Operator : cb Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-191
Comment :
Method : /var/chem/msd8.i/8-07mar.b/bfb30.m
Meth Date : 07-Mar-2008 16:00 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	2.00000	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		
3.610	3.748	-0.138	95	673585			100.00- 100.00	100.00
3.610	3.748	-0.138	50	167889			15.00- 40.00	24.92
3.610	3.748	-0.138	75	323396			30.00- 60.00	48.01
3.610	3.748	-0.138	96	42565			5.00- 9.00	6.32
3.610	3.748	-0.138	173	1280			0.00- 2.00	0.28
3.610	3.748	-0.138	174	460397			50.00- 100.00	68.35
3.610	3.748	-0.138	175	34500			5.00- 9.00	7.49
3.610	3.748	-0.138	176	444889			95.00- 101.00	96.63
3.610	3.748	-0.138	177	28799			5.00- 9.00	6.47

Data File: /var/chem/msd8.i/8-07mar.b/8030710.d

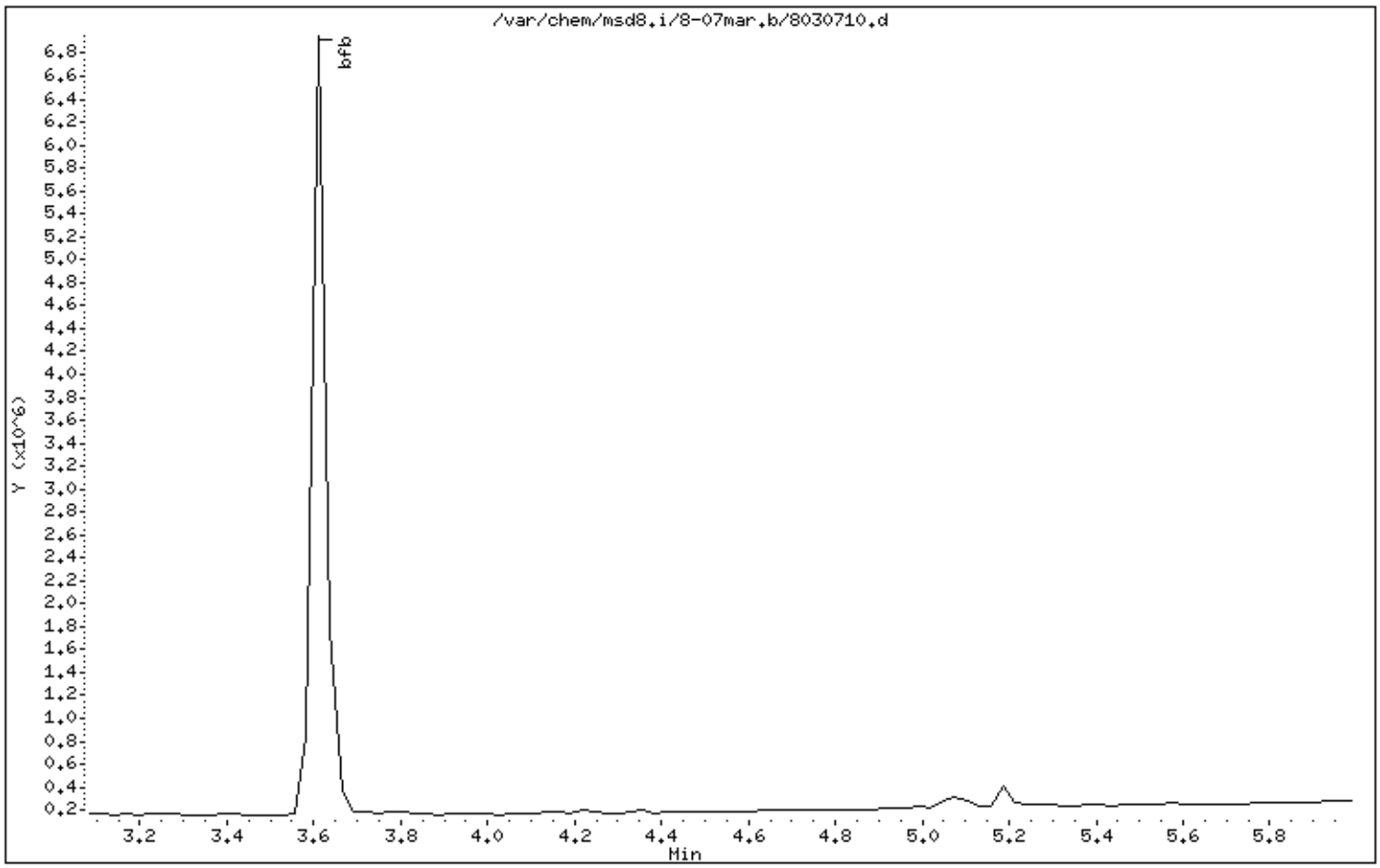
Date : 07-MAR-2008 16:10

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: cb

Column phase: Column diameter: 0.53



Data File: /var/chem/msd8.i/8-07mar.b/8030710.d

Date : 07-MAR-2008 16:10

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

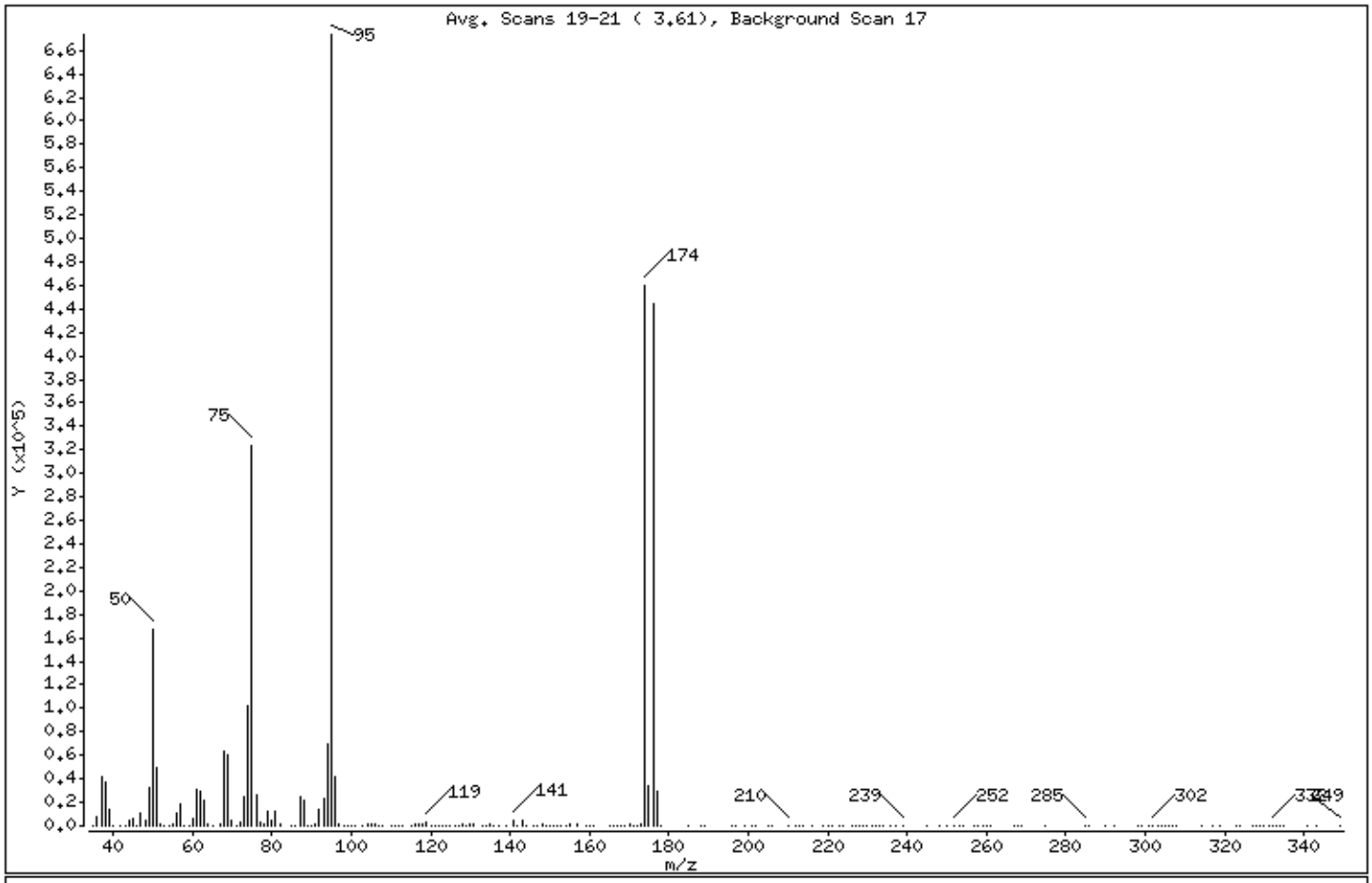
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.92
75	30.00 - 60.00% of mass 95	48.01
96	5.00 - 9.00% of mass 95	6.32
173	Less than 2.00% of mass 174	0.19 (0.28)
174	50.00 - 100.00% of mass 95	68.35
175	5.00 - 9.00% of mass 174	5.12 (7.49)
176	95.00 - 101.00% of mass 174	66.05 (96.63)
177	5.00 - 9.00% of mass 176	4.28 (6.47)

Data File: /var/chem/msd8.i/8-07mar.b/8030710.d

Date : 07-MAR-2008 16:10

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

Data File: 8030710.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 206

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	228	91.00	1823	150.00	555	234.00	143
36.00	7636	92.00	14471	151.00	332	236.00	285
37.00	42464	93.00	23904	152.00	177	237.00	20
38.00	37512	94.00	69144	153.00	358	239.00	376
39.00	13591	95.00	673536	154.00	351	245.00	176
40.00	22	96.00	42560	155.00	1242	248.00	193
42.00	240	97.00	1158	157.00	1150	250.00	135
43.00	298	98.00	212	159.00	368	252.00	586
44.00	4672	99.00	23	160.00	126	253.00	303
45.00	6801	100.00	31	161.00	126	254.00	365
46.00	509	101.00	22	165.00	250	257.00	272
47.00	10441	103.00	225	166.00	31	258.00	33
48.00	4515	104.00	1573	167.00	200	259.00	138
49.00	33256	105.00	817	168.00	22	260.00	59
50.00	167872	106.00	1702	169.00	662	261.00	239
51.00	49304	107.00	575	170.00	979	267.00	210
52.00	1757	108.00	274	171.00	173	268.00	234
53.00	162	110.00	668	172.00	735	269.00	488
54.00	27	111.00	640	173.00	1280	275.00	172
55.00	839	112.00	552	174.00	460352	285.00	276
56.00	10284	113.00	182	175.00	34496	286.00	242
57.00	18768	115.00	573	176.00	444864	290.00	199
58.00	700	116.00	1723	177.00	28792	292.00	132
59.00	212	117.00	2164	178.00	599	298.00	78
60.00	5667	118.00	1095	185.00	135	299.00	162
61.00	31216	119.00	2422	188.00	229	301.00	247
62.00	29744	120.00	246	189.00	298	302.00	272
63.00	22200	121.00	182	196.00	147	303.00	180
64.00	1830	122.00	102	197.00	5	304.00	202
65.00	296	123.00	304	199.00	319	305.00	81
67.00	1522	124.00	180	201.00	228	306.00	25
68.00	63144	125.00	5	202.00	132	307.00	155
69.00	60528	126.00	149	205.00	462	308.00	181
70.00	4469	127.00	140	206.00	325	314.00	182
71.00	68	128.00	1586	210.00	488	317.00	247

Date : 07-MAR-2008 16:10

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: cb

Column phase: Column diameter: 0.53

Data File: 8030710.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 206

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	2897	129.00	369	212.00	479	319.00	271
73.00	25544	130.00	2207	213.00	139	323.00	155
74.00	102296	131.00	1005	214.00	87	324.00	75
75.00	323392	133.00	582	216.00	330	327.00	97
76.00	26528	134.00	21	219.00	48	328.00	59
77.00	3110	135.00	1195	220.00	194	329.00	109
78.00	2181	136.00	8	221.00	87	330.00	41
79.00	11866	137.00	699	223.00	97	331.00	177
80.00	3959	139.00	478	224.00	144	332.00	249
81.00	12782	141.00	4457	226.00	19	333.00	123
82.00	1928	142.00	515	227.00	119	334.00	105
85.00	95	143.00	4224	228.00	40	335.00	91
86.00	358	144.00	727	229.00	104	341.00	230
87.00	24264	146.00	665	230.00	9	343.00	215
88.00	21664	147.00	341	231.00	17	349.00	162
89.00	32	148.00	1149	232.00	55		
90.00	247	149.00	419	233.00	13		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-10mar.b/8031004.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 10-MAR-2008 12:11
Operator : cb Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-191
Comment :
Method : /var/chem/msd8.i/8-10mar.b/bfb30.m
Meth Date : 10-Mar-2008 12:00 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	2.00000	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		
3.610	3.748	-0.138	95	836898			100.00- 100.00	100.00
3.610	3.748	-0.138	50	205213			15.00- 40.00	24.52
3.610	3.748	-0.138	75	402632			30.00- 60.00	48.11
3.610	3.748	-0.138	96	54402			5.00- 9.00	6.50
3.610	3.748	-0.138	173	0			0.00- 2.00	0.00
3.610	3.748	-0.138	174	587522			50.00- 100.00	70.20
3.610	3.748	-0.138	175	45229			5.00- 9.00	7.70
3.610	3.748	-0.138	176	560446			95.00- 101.00	95.39
3.610	3.748	-0.138	177	35412			5.00- 9.00	6.32

Data File: /var/chem/msd8.i/8-10mar.b/8031004.d

Page 1

Date : 10-MAR-2008 12:11

Client ID: BFB

Instrument: msd8.i

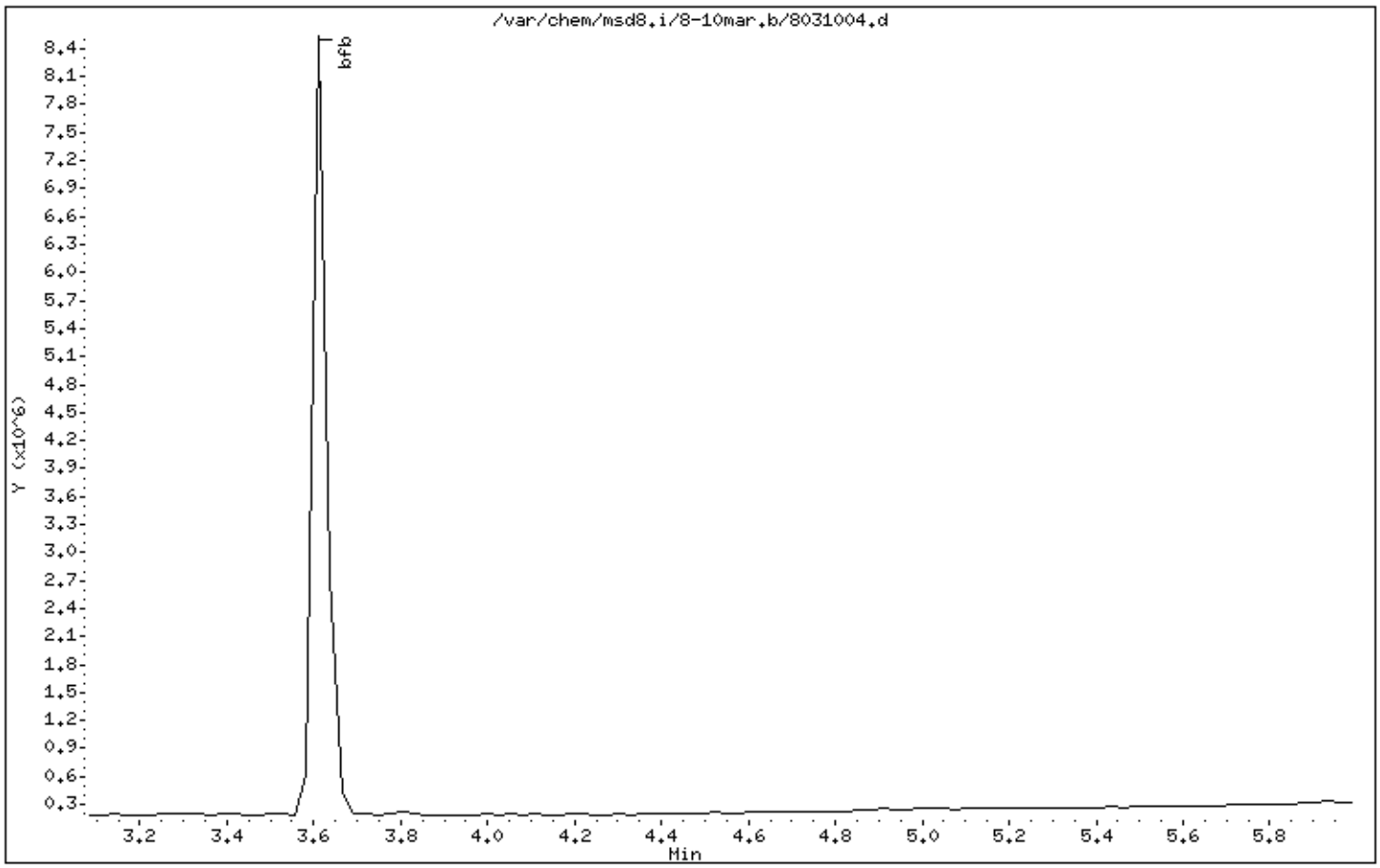
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-10mar.b/8031004.d

Date : 10-MAR-2008 12:11

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

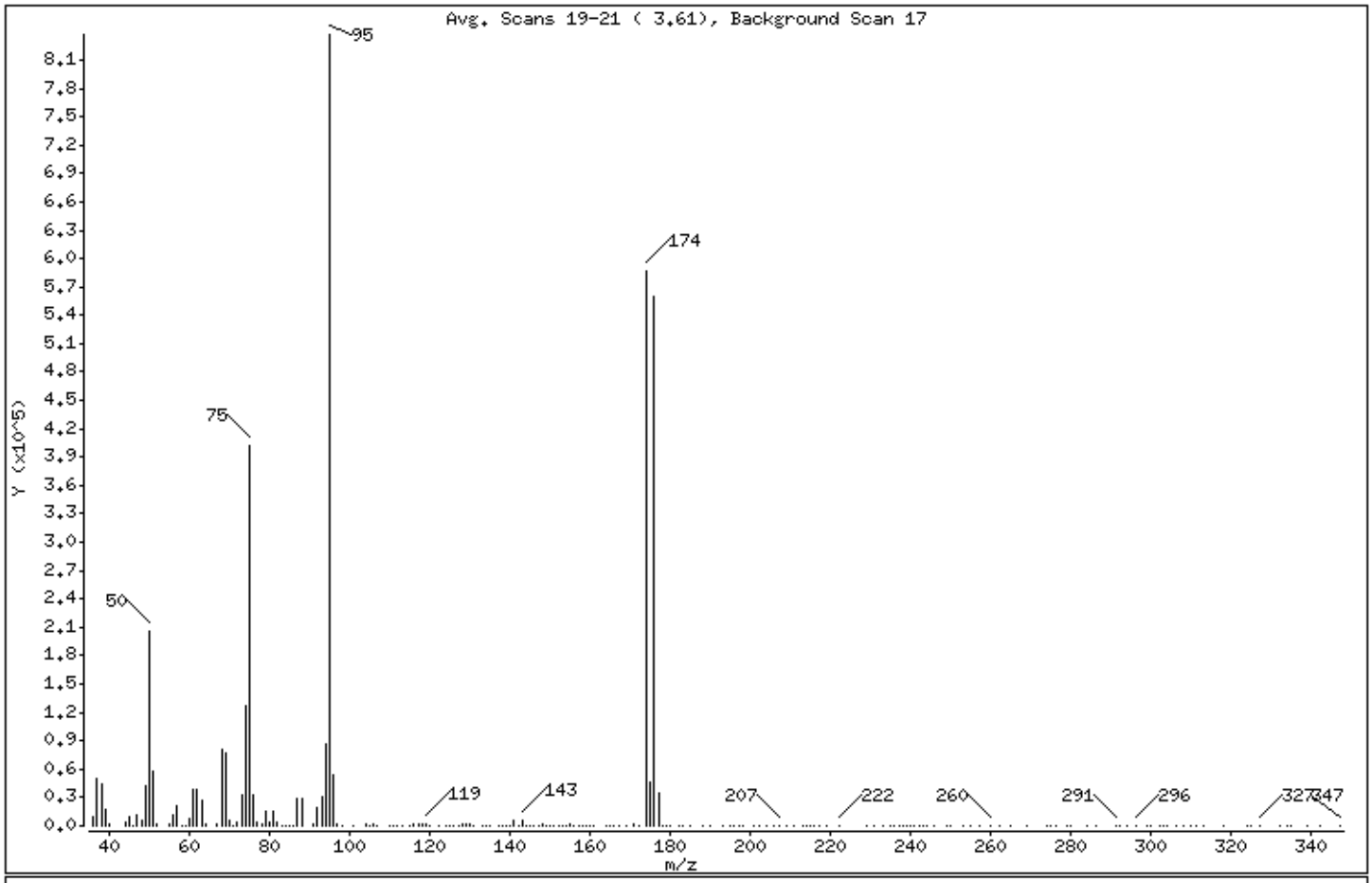
Volume Injected (uL): 2.0

Operator: cb

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.52
75	30.00 - 60.00% of mass 95	48.11
96	5.00 - 9.00% of mass 95	6.50
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 100.00% of mass 95	70.20
175	5.00 - 9.00% of mass 174	5.40 (7.70)
176	95.00 - 101.00% of mass 174	66.97 (95.39)
177	5.00 - 9.00% of mass 176	4.23 (6.32)

Date : 10-MAR-2008 12:11

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: cb

Column phase: Column diameter: 0.53

Data File: 8031004.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 198

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	8720	95.00	836864	156.00	512	238.00	9
37.00	49952	96.00	54400	157.00	894	239.00	358
38.00	43592	97.00	1660	158.00	113	240.00	65
39.00	17480	98.00	69	159.00	390	241.00	220
40.00	1121	101.00	312	160.00	118	242.00	78
44.00	4579	104.00	2439	161.00	375	243.00	13
45.00	8797	105.00	604	164.00	464	244.00	116
46.00	237	106.00	2249	165.00	355	246.00	246
47.00	12291	107.00	352	166.00	156	249.00	124
48.00	5425	110.00	99	167.00	119	250.00	60
49.00	41440	111.00	367	169.00	668	253.00	321
50.00	205184	112.00	284	171.00	1592	255.00	35
51.00	58632	113.00	243	172.00	266	257.00	137
52.00	2481	115.00	630	174.00	587520	260.00	347
55.00	1731	116.00	2373	175.00	45224	262.00	308
56.00	11758	117.00	2045	176.00	560384	265.00	31
57.00	21944	118.00	1469	177.00	35408	269.00	98
58.00	738	119.00	2635	178.00	706	274.00	187
59.00	70	120.00	76	179.00	151	275.00	96
60.00	7291	122.00	140	180.00	47	276.00	72
61.00	38640	124.00	381	182.00	124	279.00	300
62.00	37960	125.00	535	183.00	51	280.00	226
63.00	27128	126.00	355	185.00	223	284.00	36
64.00	2206	127.00	366	188.00	42	286.00	186
67.00	1969	128.00	1519	190.00	263	291.00	378
68.00	80272	129.00	1236	193.00	206	292.00	189
69.00	77776	130.00	1520	195.00	9	294.00	79
70.00	5012	131.00	898	196.00	105	296.00	441
71.00	238	133.00	319	197.00	159	299.00	426
72.00	3122	134.00	449	198.00	172	300.00	90
73.00	32464	135.00	551	201.00	208	302.00	77
74.00	126816	137.00	824	202.00	98	303.00	81
75.00	402624	138.00	93	204.00	219	304.00	99
76.00	32640	139.00	524	206.00	512	306.00	405
77.00	4128	140.00	455	207.00	818	308.00	30

Date : 10-MAR-2008 12:11

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: cb

Column phase: Column diameter: 0.53

Data File: 8031004.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 198

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	2584	141.00	5373	209.00	271	310.00	8
79.00	15098	142.00	859	211.00	162	311.00	108
80.00	4360	143.00	6126	213.00	396	313.00	79
81.00	14710	144.00	446	214.00	231	318.00	138
82.00	3152	145.00	325	215.00	298	324.00	151
83.00	52	146.00	456	216.00	61	325.00	20
84.00	403	147.00	178	217.00	267	327.00	261
85.00	370	148.00	1104	219.00	13	332.00	209
86.00	306	149.00	602	222.00	489	334.00	85
87.00	28424	150.00	657	229.00	305	335.00	237
88.00	28968	151.00	172	231.00	295	339.00	93
91.00	2296	152.00	404	233.00	17	342.00	15
92.00	18496	153.00	436	235.00	65	347.00	147
93.00	30296	154.00	563	236.00	97		
94.00	86432	155.00	1616	237.00	455		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-26mar.b/8032601.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 26-MAR-2008 08:30
Operator : ct Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-26mar.b/bfb30.m
Meth Date : 26-Mar-2008 08:19 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	2.00000	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		
3.610	3.748	-0.138	95	1121473			100.00- 100.00	100.00
3.610	3.748	-0.138	50	249683			15.00- 40.00	22.26
3.610	3.748	-0.138	75	532933			30.00- 60.00	47.52
3.610	3.748	-0.138	96	71919			5.00- 9.00	6.41
3.610	3.748	-0.138	173	9501			0.00- 2.00	1.11
3.610	3.748	-0.138	174	855528			50.00- 100.00	76.29
3.610	3.748	-0.138	175	63874			5.00- 9.00	7.47
3.610	3.748	-0.138	176	827092			95.00- 101.00	96.68
3.610	3.748	-0.138	177	52314			5.00- 9.00	6.33

Data File: /var/chem/msd8.i/8-26mar.b/8032601.d

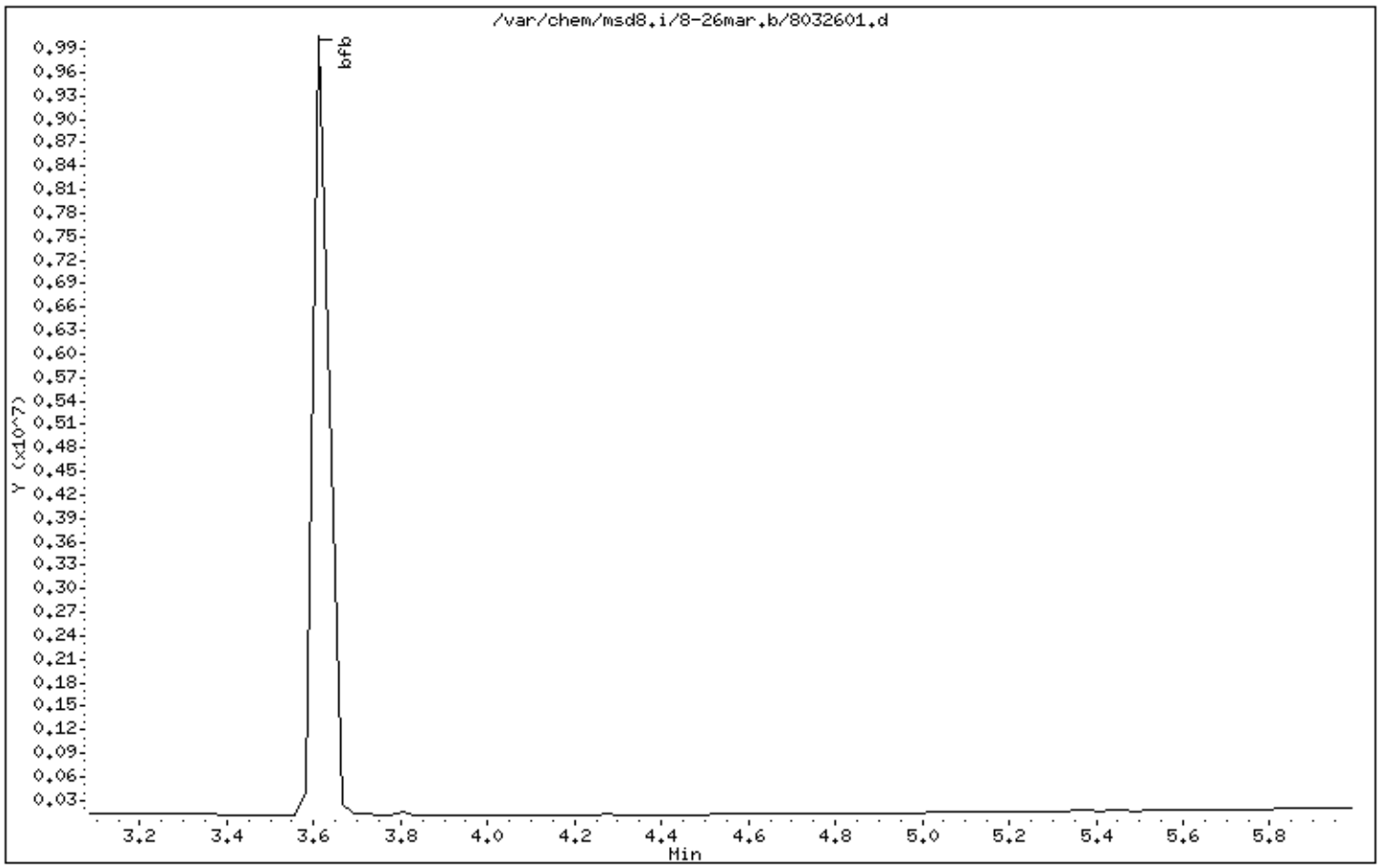
Date : 26-MAR-2008 08:30

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53



Data File: /var/chem/msd8.i/8-26mar.b/8032601.d

Date : 26-MAR-2008 08:30

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

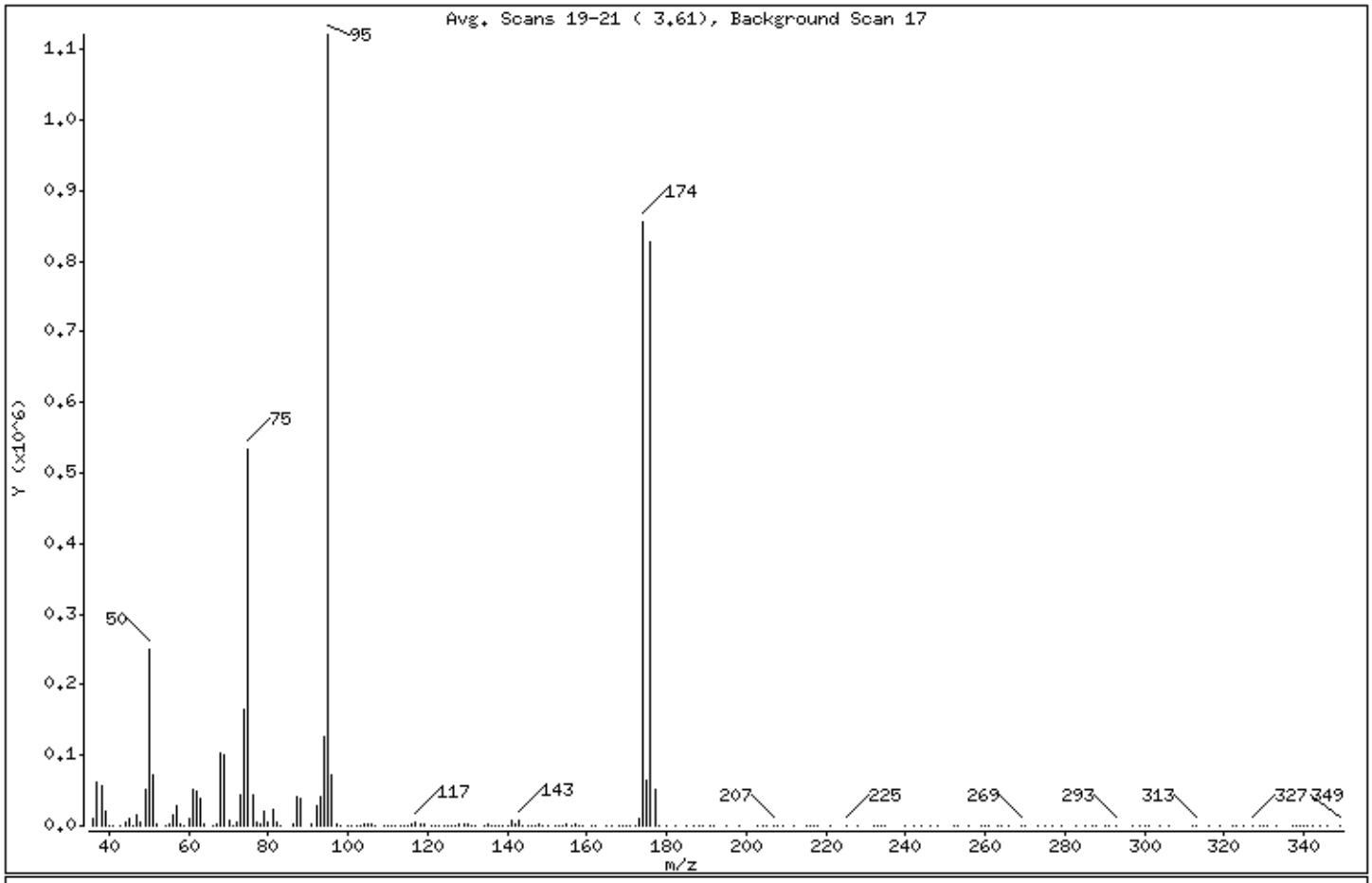
Volume Injected (uL): 2.0

Operator: ct

Column phase:

Column diameter: 0.53

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	22.26
75	30.00 - 60.00% of mass 95	47.52
96	5.00 - 9.00% of mass 95	6.41
173	Less than 2.00% of mass 174	0.85 (1.11)
174	50.00 - 100.00% of mass 95	76.29
175	5.00 - 9.00% of mass 174	5.70 (7.47)
176	95.00 - 101.00% of mass 174	73.75 (96.68)
177	5.00 - 9.00% of mass 176	4.66 (6.33)

Date : 26-MAR-2008 08:30

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 8032601.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	11284	96.00	71912	154.00	290	248.00	160
37.00	61144	97.00	1958	155.00	1813	252.00	164
38.00	55560	98.00	328	156.00	165	253.00	117
39.00	19464	100.00	147	157.00	1671	256.00	95
40.00	771	101.00	62	158.00	178	259.00	212
41.00	176	102.00	182	159.00	1036	260.00	78
43.00	520	103.00	361	161.00	1258	261.00	28
44.00	3964	104.00	3524	162.00	286	263.00	53
45.00	9392	105.00	1324	165.00	225	264.00	165
46.00	575	106.00	3417	166.00	179	266.00	251
47.00	15226	107.00	1029	168.00	239	269.00	399
48.00	6281	109.00	187	169.00	737	270.00	104
49.00	52288	110.00	407	170.00	217	273.00	274
50.00	249664	111.00	816	171.00	523	275.00	157
51.00	73384	112.00	436	172.00	758	277.00	216
52.00	2952	113.00	323	173.00	9501	279.00	146
54.00	68	114.00	72	174.00	855488	283.00	153
55.00	2649	115.00	958	175.00	63872	285.00	481
56.00	16504	116.00	1955	176.00	827072	287.00	161
57.00	28024	117.00	4623	177.00	52312	288.00	66
58.00	1539	118.00	2178	178.00	778	290.00	217
59.00	216	119.00	3839	180.00	226	291.00	98
60.00	9580	121.00	6	182.00	416	293.00	520
61.00	51024	122.00	487	185.00	8	297.00	106
62.00	47848	123.00	290	187.00	173	299.00	296
63.00	37816	124.00	115	188.00	142	300.00	143
64.00	2958	125.00	221	189.00	60	301.00	201
66.00	293	126.00	296	191.00	122	304.00	74
67.00	2265	127.00	41	192.00	201	306.00	79
68.00	102048	128.00	2852	195.00	188	312.00	224
69.00	100800	129.00	1699	198.00	21	313.00	366
70.00	7074	130.00	2921	203.00	23	316.00	90
71.00	92	131.00	782	204.00	263	319.00	113
72.00	5018	132.00	210	205.00	77	322.00	89
73.00	44088	134.00	499	207.00	624	323.00	87

Date : 26-MAR-2008 08:30

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: ct

Column phase: Column diameter: 0.53

Data File: 8032601.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	166080	135.00	1740	208.00	342	325.00	356
75.00	532928	136.00	834	209.00	219	327.00	374
76.00	42544	137.00	835	212.00	79	329.00	87
77.00	5188	138.00	282	215.00	277	330.00	71
78.00	3252	139.00	497	216.00	180	331.00	202
79.00	21520	140.00	75	217.00	333	333.00	231
80.00	5888	141.00	8071	218.00	79	337.00	220
81.00	22048	142.00	1574	221.00	4	338.00	91
82.00	4615	143.00	8739	225.00	395	339.00	11
83.00	99	144.00	320	228.00	350	340.00	66
86.00	1510	145.00	468	232.00	196	341.00	20
87.00	40648	146.00	1225	233.00	31	342.00	70
88.00	39264	147.00	993	234.00	1	344.00	18
91.00	2797	148.00	1753	235.00	295	346.00	91
92.00	27680	149.00	831	240.00	93	349.00	389
93.00	40856	150.00	423	242.00	147		
94.00	125416	152.00	71	244.00	344		
95.00	1121280	153.00	631	246.00	119		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-01apr.b/8040101.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 01-APR-2008 07:18
Operator : srs Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-01apr.b/bfb30.m
Meth Date : 01-Apr-2008 07:07 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	2.00000	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		
3.610	3.748	-0.138	95	1068033			100.00- 100.00	100.00
3.610	3.748	-0.138	50	252129			15.00- 40.00	23.61
3.610	3.748	-0.138	75	509567			30.00- 60.00	47.71
3.610	3.748	-0.138	96	70856			5.00- 9.00	6.63
3.610	3.748	-0.138	173	9697			0.00- 2.00	1.19
3.610	3.748	-0.138	174	816164			50.00- 100.00	76.42
3.610	3.748	-0.138	175	60243			5.00- 9.00	7.38
3.610	3.748	-0.138	176	776177			95.00- 101.00	95.10
3.610	3.748	-0.138	177	49923			5.00- 9.00	6.43

Data File: /var/chem/msd8.i/8-01apr.b/8040101.d

Date : 01-APR-2008 07:18

Client ID: BFB

Instrument: msd8.i

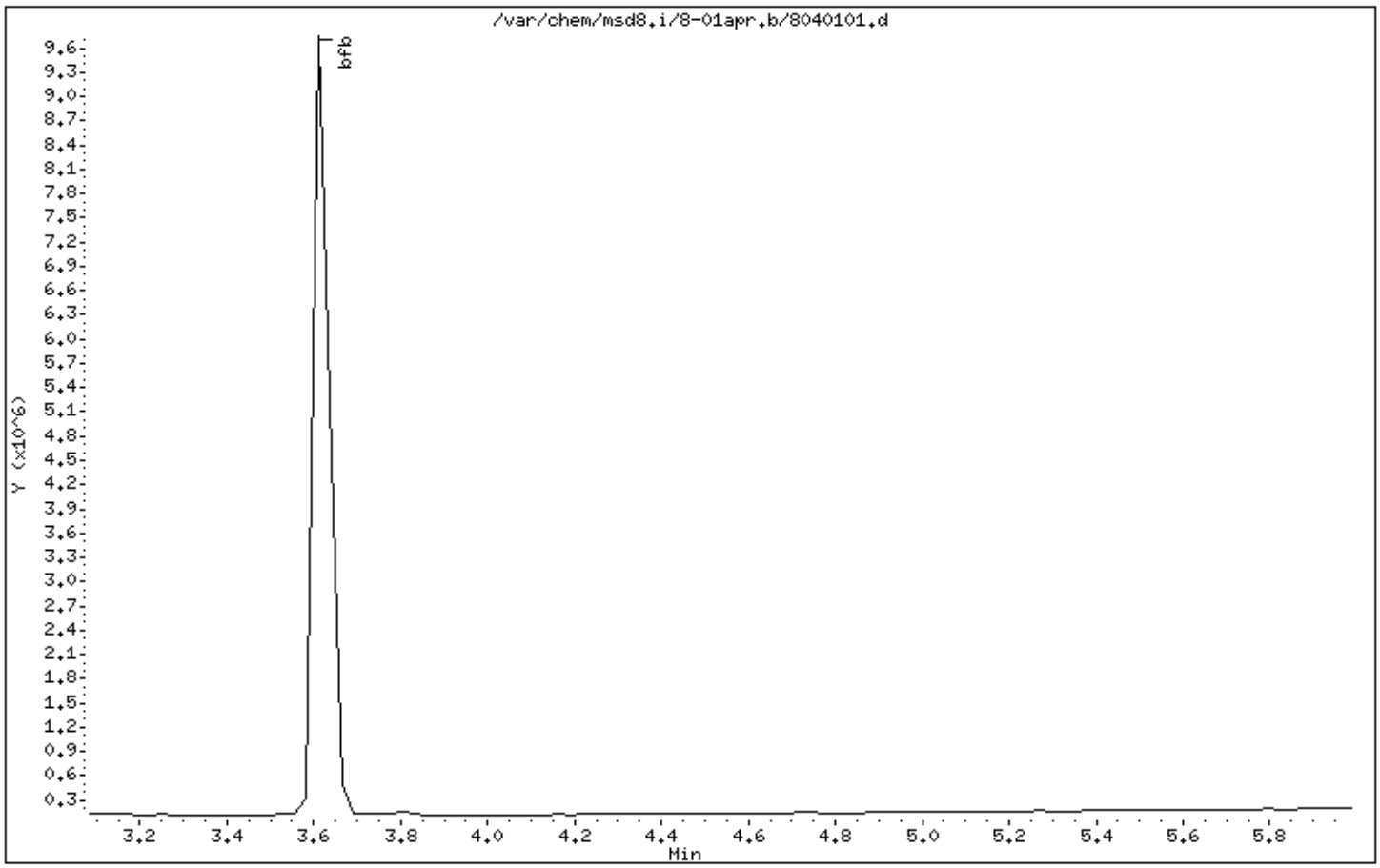
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-01apr.b/8040101.d

Date : 01-APR-2008 07:18

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

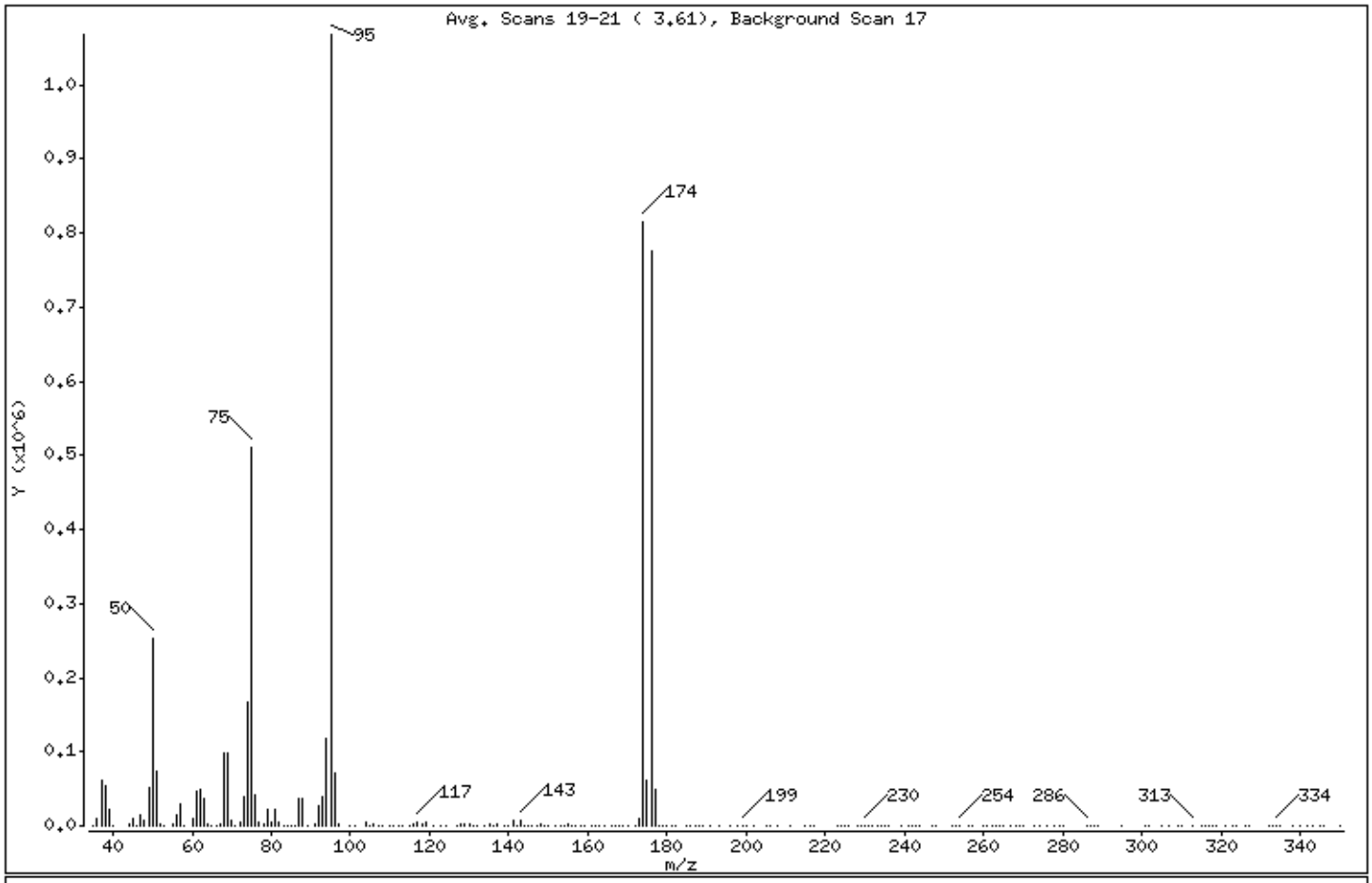
Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53

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	23.61
75	30.00 - 60.00% of mass 95	47.71
96	5.00 - 9.00% of mass 95	6.63
173	Less than 2.00% of mass 174	0.91 (1.19)
174	50.00 - 100.00% of mass 95	76.42
175	5.00 - 9.00% of mass 174	5.64 (7.38)
176	95.00 - 101.00% of mass 174	72.67 (95.10)
177	5.00 - 9.00% of mass 176	4.67 (6.43)

Date : 01-APR-2008 07:18

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: srs

Column phase: Column diameter: 0.53

Data File: 8040101.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 219

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	38	96.00	70856	166.00	165	252.00	35
36.00	9966	97.00	1761	167.00	100	253.00	491
37.00	61368	100.00	95	168.00	461	254.00	517
38.00	54624	101.00	487	169.00	412	256.00	262
39.00	21216	104.00	3882	170.00	957	257.00	307
40.00	64	105.00	639	172.00	953	260.00	168
44.00	2191	106.00	2937	173.00	9697	261.00	204
45.00	8851	107.00	666	174.00	816128	262.00	96
46.00	105	108.00	346	175.00	60240	263.00	467
47.00	15251	110.00	421	176.00	776128	264.00	80
48.00	7317	111.00	46	177.00	49920	265.00	276
49.00	51304	112.00	97	178.00	1152	267.00	187
50.00	252096	113.00	534	179.00	5	268.00	98
51.00	74680	115.00	940	180.00	162	269.00	403
52.00	2526	116.00	2656	181.00	18	270.00	512
53.00	252	117.00	4099	182.00	230	273.00	106
55.00	2141	118.00	2339	185.00	152	274.00	22
56.00	15249	119.00	4033	186.00	146	276.00	251
57.00	30144	121.00	183	187.00	346	278.00	211
58.00	886	123.00	156	188.00	133	279.00	115
60.00	9030	124.00	129	189.00	77	280.00	366
61.00	47408	127.00	330	191.00	221	286.00	391
62.00	49936	128.00	2550	193.00	9	287.00	198
63.00	36808	129.00	1326	196.00	17	288.00	71
64.00	2952	130.00	2682	198.00	280	289.00	97
65.00	221	131.00	657	199.00	462	295.00	187
66.00	9	132.00	184	200.00	166	301.00	249
67.00	1864	134.00	311	202.00	175	302.00	193
68.00	97504	135.00	1520	205.00	286	305.00	293
69.00	97632	136.00	80	206.00	52	307.00	32
70.00	7234	137.00	1519	208.00	230	309.00	268
71.00	252	139.00	182	211.00	199	310.00	246
72.00	4166	140.00	636	215.00	190	313.00	295
73.00	40040	141.00	8000	216.00	30	315.00	141
74.00	166528	142.00	945	217.00	80	316.00	167

Date : 01-APR-2008 07:18

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: srs

Column phase: Column diameter: 0.53

Data File: 8040101.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 219

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	509504	143.00	8436	223.00	24	317.00	155
76.00	42696	144.00	366	224.00	236	318.00	21
77.00	5499	145.00	860	225.00	35	319.00	97
78.00	3664	146.00	801	226.00	322	321.00	188
79.00	21128	147.00	691	228.00	157	323.00	186
80.00	5855	148.00	1241	229.00	130	324.00	92
81.00	21104	149.00	650	230.00	468	326.00	293
82.00	4549	150.00	816	231.00	352	327.00	242
83.00	296	152.00	436	232.00	53	332.00	42
84.00	203	153.00	681	233.00	143	333.00	220
85.00	81	154.00	640	234.00	124	334.00	421
86.00	847	155.00	1976	235.00	326	335.00	41
87.00	37888	156.00	760	236.00	323	338.00	193
88.00	37840	157.00	694	239.00	12	340.00	145
89.00	39	158.00	559	241.00	36	342.00	244
91.00	2868	159.00	1034	242.00	181	343.00	227
92.00	26336	161.00	1147	243.00	96	345.00	113
93.00	39008	162.00	613	244.00	133	346.00	68
94.00	117160	163.00	516	247.00	403	350.00	168
95.00	1068032	164.00	66	248.00	96		

Air Toxics Ltd.

Data file : /var/chem/msd8.i/8-04apr.b/8040401.d
Lab Smp Id: BFB Client Smp ID: BFB
Inj Date : 04-APR-2008 07:25
Operator : srs Inst ID: msd8.i
Smp Info : BFB Tune Check
Misc Info : 50ng 2uL #1476-278
Comment :
Method : /var/chem/msd8.i/8-04apr.b/bfb30.m
Meth Date : 04-Apr-2008 07:14 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	2.00000	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		
3.610	3.748	-0.138	95	828237			100.00- 100.00	100.00
3.610	3.748	-0.138	50	198804			15.00- 40.00	24.00
3.610	3.748	-0.138	75	397847			30.00- 60.00	48.04
3.610	3.748	-0.138	96	55046			5.00- 9.00	6.65
3.610	3.748	-0.138	173	7818			0.00- 2.00	1.21
3.610	3.748	-0.138	174	648138			50.00- 100.00	78.26
3.610	3.748	-0.138	175	47640			5.00- 9.00	7.35
3.610	3.748	-0.138	176	628096			95.00- 101.00	96.91
3.610	3.748	-0.138	177	40176			5.00- 9.00	6.40

Data File: /var/chem/msd8.i/8-04apr.b/8040401.d

Date : 04-APR-2008 07:25

Client ID: BFB

Instrument: msd8.i

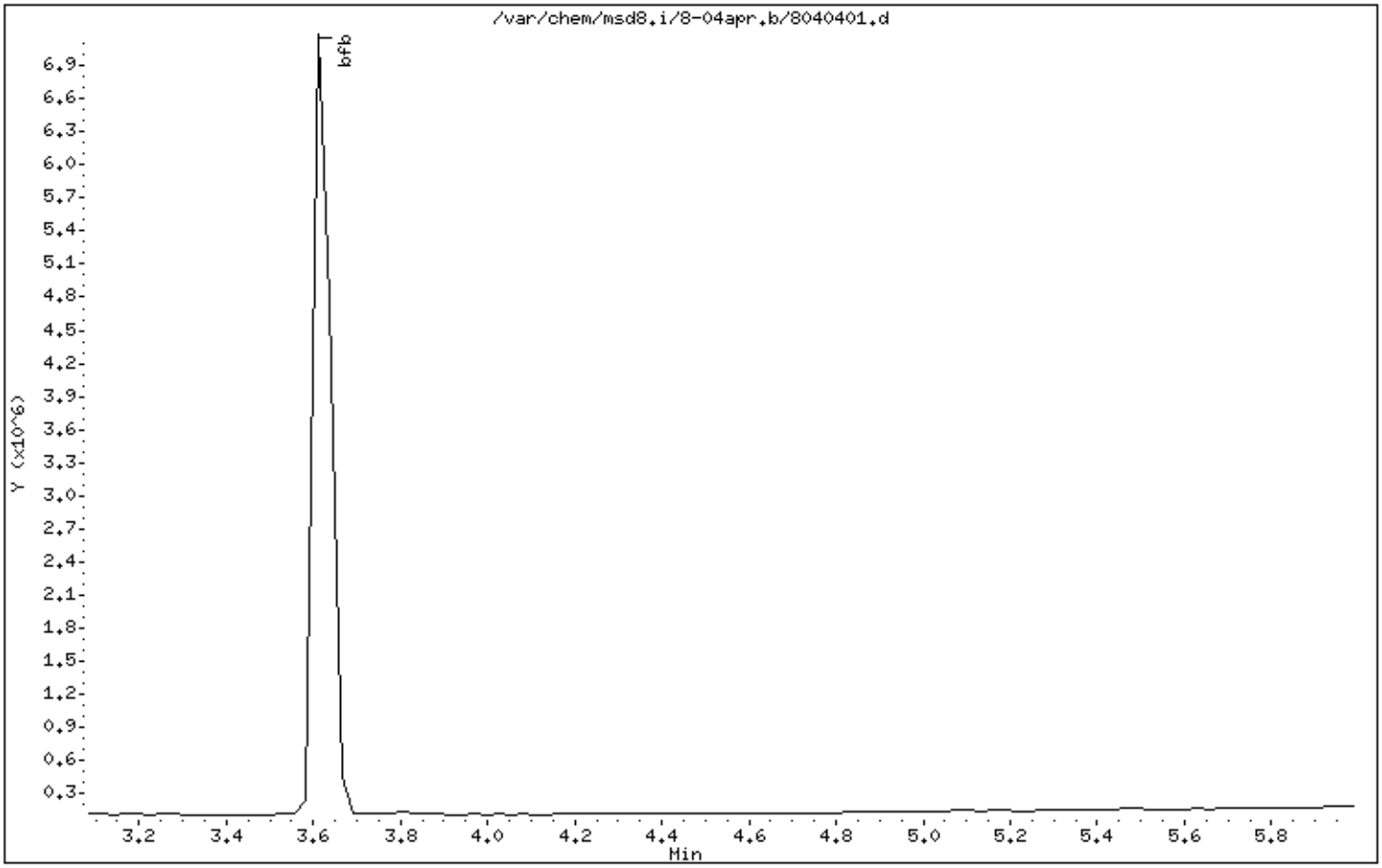
Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53



Data File: /var/chem/msd8.i/8-04apr.b/8040401.d

Date : 04-APR-2008 07:25

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

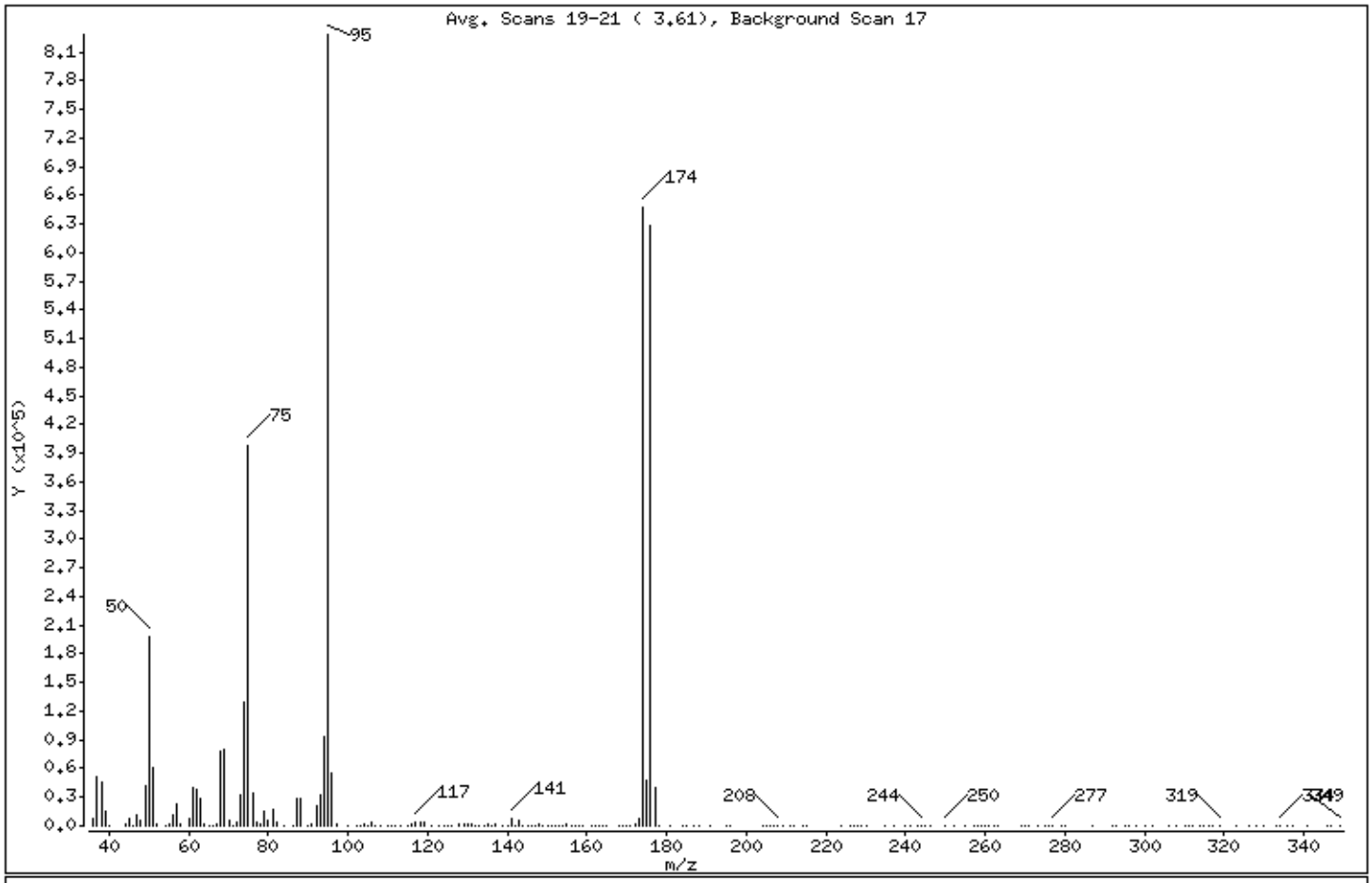
Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.00
75	30.00 - 60.00% of mass 95	48.04
96	5.00 - 9.00% of mass 95	6.65
173	Less than 2.00% of mass 174	0.94 (1.21)
174	50.00 - 100.00% of mass 95	78.26
175	5.00 - 9.00% of mass 174	5.75 (7.35)
176	95.00 - 101.00% of mass 174	75.84 (96.91)
177	5.00 - 9.00% of mass 176	4.85 (6.40)

Data File: /var/chem/msd8.i/8-04apr.b/8040401.d

Date : 04-APR-2008 07:25

Client ID: BFB

Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0

Operator: srs

Column phase:

Column diameter: 0.53

Data File: 8040401.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 204

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	7574	96.00	55040	157.00	945	252.00	256
37.00	50896	97.00	1503	158.00	317	255.00	327
38.00	44816	100.00	228	159.00	841	257.00	85
39.00	15763	102.00	81	161.00	908	258.00	273
40.00	807	103.00	241	162.00	82	259.00	211
44.00	2301	104.00	2487	163.00	37	260.00	172
45.00	7559	105.00	771	164.00	283	261.00	61
46.00	189	106.00	3093	165.00	89	262.00	273
47.00	10956	107.00	136	168.00	112	263.00	118
48.00	5619	108.00	247	169.00	445	269.00	45
49.00	42096	110.00	182	170.00	844	270.00	105
50.00	198784	111.00	497	171.00	652	271.00	21
51.00	60128	112.00	842	172.00	1636	273.00	241
52.00	2609	113.00	183	173.00	7818	275.00	169
54.00	148	115.00	839	174.00	648128	276.00	159
55.00	2128	116.00	2189	175.00	47640	277.00	365
56.00	11354	117.00	3881	176.00	628096	279.00	155
57.00	22560	118.00	3104	177.00	40176	280.00	247
58.00	995	119.00	3626	178.00	571	287.00	141
60.00	7612	121.00	439	181.00	168	292.00	294
61.00	39048	123.00	200	184.00	412	293.00	189
62.00	38656	124.00	229	185.00	101	295.00	237
63.00	28400	125.00	370	187.00	94	296.00	258
64.00	2566	126.00	375	188.00	81	298.00	315
65.00	61	128.00	2183	191.00	139	300.00	273
66.00	194	129.00	1244	195.00	485	302.00	283
67.00	2329	130.00	2256	196.00	260	306.00	108
68.00	77584	131.00	1149	204.00	319	308.00	221
69.00	80064	132.00	255	205.00	101	310.00	93
70.00	5614	133.00	163	206.00	277	311.00	200
71.00	2	134.00	40	207.00	323	312.00	88
72.00	3276	135.00	952	208.00	679	314.00	131
73.00	32712	136.00	176	209.00	60	315.00	178
74.00	129968	137.00	1038	211.00	58	316.00	303
75.00	397824	139.00	259	212.00	442	317.00	177

Date : 04-APR-2008 07:25

Client ID: BFB Instrument: msd8.i

Sample Info: BFB Tune Check

Volume Injected (uL): 2.0 Operator: srs

Column phase: Column diameter: 0.53

Data File: 8040401.d
Spectrum: Avg. Scans 19-21 (3.61), Background Scan 17
Location of Maximum: 95.00
Number of points: 204

m/z	Y	m/z	Y	m/z	Y	m/z	Y
76.00	33504	140.00	542	214.00	147	319.00	423
77.00	3733	141.00	6969	215.00	68	323.00	381
78.00	2524	142.00	615	224.00	48	326.00	242
79.00	16171	143.00	6634	226.00	75	328.00	25
80.00	4815	144.00	350	227.00	290	330.00	171
81.00	18024	145.00	876	228.00	35	333.00	238
82.00	3726	146.00	822	229.00	279	334.00	407
84.00	201	147.00	81	230.00	256	336.00	94
86.00	891	148.00	1924	235.00	257	337.00	148
87.00	29440	149.00	451	237.00	99	341.00	121
88.00	28256	150.00	471	240.00	206	346.00	282
90.00	209	151.00	355	241.00	3	347.00	230
91.00	2260	152.00	829	243.00	140	349.00	119
92.00	21016	153.00	457	244.00	462		
93.00	33160	154.00	258	245.00	127		
94.00	93344	155.00	1368	246.00	175		
95.00	828224	156.00	833	250.00	398		

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 #: 0803603
# of pages (Including Cover): 1

4/10/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found 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.

The following discrepancy has been observed:

The number of samples received did not match the information on the Chain of Custody (COC). Sample DW AMS 3 was added to the analytical request.

Your prompt response is appreciated.

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

0246

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

Project Info:

P.O. #

Project # 051140 - 8 - 1703

Project Name BayShore OU1 Southern cell Air Monitoring

Turn Around Time:

☒ Normal

☐ Rush _____

Specify

Lab I.D.	Field Sample I.D.	Date & Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt
01A	U.W. - AMS 5	3/26/08 545-1345	TO-15 + Naphthalene	-30	-7.5	
02A			TO-15 + Naphthalene	-29	-8	

Relinquished By: (Signature) Date/Time 3/26/08 1400 — Received By: (Signature) Date/Time AT: 03-27-08 0850

Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time

Relinquished By: (Signature) Date/Time — Received By: (Signature) Date/Time

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

Lab Use Only	Shipper Name	Air Bill #	Opened By:	Temp (C)	Condition	Custody Seals Intact?	Work Order #
	FedEx			IR	Good	Yes No (None)	0803603

AN ENVIRONMENTAL ANALYTICAL LABORATORY

SAMPLE RECEIPT SUMMARY

WORKORDER 0803603

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: 04/10/08
Date Completed: 4/9/08
Date Received: 3/27/08
PO#: NR
Project#: 061140-8-1703 BayShore OU1 Southern cell Air Monitorin
Total $: $ 1,184.00
Logged By: MW

Fraction	Sample #	Analysis	Collected	Receipt Vac./Pres.	Amount$
01A	U.W.-AMS 5	Modified TO-15	3/26/2008	7.0 "Hg	$225.00
02A	DW AMS 3	Modified TO-15	3/26/2008	7.0 "Hg	$225.00
03A	Lab Blank	Modified TO-15	NA	NA	$0.00
04A	CCV	Modified TO-15	NA	NA	$0.00
05A	LCS	Modified TO-15	NA	NA	$0.00

Misc. Charges	6 Liter Summa Canister (2) @ $50.00 each., Shipment 58293	$100.00
	Blue Body Flow Controller (1) @ $35.00 each., Shipment 52708	$35.00
	Blue Body Flow Controller (8) @ $35.00 each., Shipment 54017	$280.00
	Blue Body Flow Controller (3) @ $35.00 each., Shipment 54018	$105.00
	Blue Body Flow Controller (4) @ $35.00 each., Shipment 54021	$140.00
	Blue Body Flow Controller (2) @ $35.00 each., Shipment 58293	$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

Sample Discrepancy Report

BL

Identification

Initiated By: MW **Date:** 3/27/08 **Discrepancy Type:** (circle all that apply) I. (II.) III.

Workorder(s) affected: 0803603 **Sample(s) affected:** 02A

I. Sample Receipt Discrepancies

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

Narration Not Required:

- ☐ COC was not filled out in ink.
- ☐ Sample container (cartridge/tube/VOA vial) was received broken, however sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure.
- ☐ No brass cap on canister.
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm.
- ☐ Sample date error/missing on COC but noted on sample tag (circle one).

Narration Required:

- ☐ COC improperly relinquished / received.
- ☐ Sample tags / can numbers do not match the COC.
- ☐ Samples received at wrong temperature (up to 10°C); ice / blue ice (circle one) was present. A temp. blank was / was not present (circle one).
- ☐ Custody Seal on the outside of the container was broken / improperly placed (circle one).
- ☐ Other (describe below).

Describe the Discrepancy: _____

II. Sample Receipt/Screening Discrepancies requiring CSR notification

Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative

If Section II. is filled out CSR must be notified within 24 hrs of initiation

- ☐ COC was not received with samples.
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC.
- ☒ Number of samples on the COC does not match the number of samples that were received.
- ☐ Samples were received expired.
- ☐ Sampling date / time (sulfur only) is not documented for *some* / *any* samples (circle one).
- ☐ Sample received with significant (pooling) volume of H_2O in the Tedlar Bag.
- ☐ Sample container (cartridge/tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one); sample can / cannot be analyzed (circle one).
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm.
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl.
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister was at ambient pressure at time of pressurization and (check all that apply): ☐ canister failed leak check on two manifolds, ☐ canister valve was open, ☐ brass nut was loose. Sample can / cannot be analyzed (circle one).
- ☐ Tedlar bag / canister received emitting a strong odor; sample can / cannot (circle one) be analyzed.
- ☐ Canister sample received with a vacuum difference >7.0"Hg between the receipt vac. and the final vac. reported on the COC, indicating loss of vacuum.
- ☐ Canister sample received at >15"Hg (*not* identified as a Trip/Field Blank).
- ☐ Trip Blank received at low vacuum (< 25"Hg).
- ☐ Tedlar Bag for Sulfur analysis has metal fitting.
- ☐ Incorrect sampling media / container for analysis requested.
- ☐ Sample was received at ≥ 10°C.
- ☐ Other (describe below)

Initials: _____ (if not the original initiator) **Date:** _____ ☐ **CSR Notified** (see section below)

Describe the Discrepancy: 02A: DW AMS 3 DOC: 3/26/08

III. Lab Discrepancies requiring Team Leader/CSR notification

Document in Analytical Notes of Lab Narrative

If Section III. is filled out CSR must be notified within 24 hrs of initiation

- ☐ Tedlar Bag found to be leaking at the time of analysis; sample can / cannot (circle one) be analyzed.
- ☐ Tedlar Bag found to be flat at the time of analysis.
- ☐ Canister found to be leaking at the time of analysis.
- ☐ Tedlar Bag received at low volume; sample cannot be analyzed.
- ☐ Sulfur samples received with insufficient time to analyze prior to expiration.
- ☐ VOST tube saturated; bag dilution necessary.
- ☐ Sample loss due to instrument malfunction / broken glassware.
- ☐ Other (describe below).

Initials: _____ **Date:** _____ ☐ **CSR Notified**
(if not the original initiator) (see section below)

Team Lead Initials: _____ **Date:** _____

Describe the Discrepancy: _____

_____

Client Services Use Only

Client Services Notification

CSR notified: _____ Date: _____

Action:

- ☐ It is not necessary to notify the client. Narrate the discrepancy in Receiving Notes/Analytical Notes of Lab Narrative.

  CSR Initials: _____ Date: _____

- ☑ Client notification required. See attached client contact / email, or comments below:

  Client Notification:

  Person notified: Jess Landgraff Date: 3-31-08

  Comments: Add 02A.

  _____

  ☐ Lab notified Name: [redacted] Date: _____

Additional Notifications

CSR notified: _____ Date: _____

Action:

- ☐ It is not necessary to notify the client. Narrate the discrepancy by documenting on cover page of Sample Receipt Confirmation and in Receiving Notes/Analytical Notes of Lab Narrative.

  CSR Initials: _____ Date: _____

- ☐ Client notification required. See attached client contact / email, or comments below:

  Client Notification:

  Person notified: _____ Date: _____

  Comments: _____

  _____

  ☐ Lab notified Name: _____ Date: _____

- ☐ **Additional notifications attached.**

Other Records

DILUTION FACTORS

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

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

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

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

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

DILUTION FACTORS

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

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

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

Compound Listing

Modified TO-15 + Naph

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

Compound Listing

Modified TO-15 + Naph

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

@Air Toxics Ltd.

DATA REVIEW CHECKLIST

Work Order #: 0803607

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
	☐	☐	☐	☐ Manual integrations for samples and QC are properly documented
☑	☐	☐		☐ Samples analyzed within the project or method specific clock
	☐	☐		Retention times have been verified
☑	☐	☐		☐ Appropriate ICAL(s) included
	☐	☐	☐	☐ At least one result per sample is verified against the target quant sheets/raw data

☑	☑	☐		☐ Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s))
☑	☑	☐		Correct amount of sample analyzed (i.e. sample not over-diluted)
	☑	☐		Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg)
	NA	☐		TICs resemble reference spectra
	☐	☐		TICs between duplicate samples are consistent
NA	☐	☐	☐	Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
	☐		☐	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: 2 outs in CCV; VC & 13-Butadiene b 4408

M/Q:

A	R/T	M	Q
(Analytical Review/Date)	(Reporting Review/Date)	(Management Review/Date)	(QA Review/Date)
4/9/08	R: HOBailey 4-9-08	4/9/08	
	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