



***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 #: 0802175

|   | Page Nos. |     |
|---|-----------|-----|
|   | From      | To  |
| 1. Work Order Cover Page & Laboratory Narrative                 | 1         | 4   |
| a. <u>Lumen Validation Report</u>                               | --        | --  |
| 2. Sample Results and Raw Data (Organized by Sample)            | 5         | 22  |
| a. ATL Sample Results Form                                      |           |     |
| b. Target Compound Raw Data                                     |           |     |
| -Internal Standard Area and Retention Time Summary              |           |     |
| -Surrogate Recovery Summary (If Applicable)                     |           |     |
| -Chromatogram(s) and Ion Profiles (If Applicable)               |           |     |
| 3. QC Results and Raw Data                                      |           |     |
| a. Method Blank (Results+ Raw Data)                             | 23        | 30  |
| b. Surrogate Recover Summary Form (If Applicable)               | 31        | 31  |
| c. Internal Standard Summary Form (If Applicable)               | 32        | 32  |
| d. Duplicate Results Summary Sheet                              | --        | --  |
| e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)     | --        | --  |
| f. Initial Calibration Data (Summary Sheet + Raw Data)          | 33        | 132 |
| g. MDL Study (If Applicable)                                    | --        | --  |
| h. Continuing Calibration Verification Data (Summary Sheet      | 133       | 146 |
| i. Second Source LCS(Summary + Raw Data)                        | 147       | 160 |
| j. Extraction Logs  | --        | --  |
| k. Instrument Run Logs/Software Verification                    | 161       | 162 |
| l. GC/MS Tune (Results + Raw Data)                              | 163       | 177 |
| 4. Shipping/Receiving Documents                                 |           |     |
| a. Login Receipt Summary Sheet                                  | 178       | 179 |
| b. Chain-of-Custody Records                                     | 180       | 180 |
| c. Sample Log-In Sheet  | 181       | 181 |
| d. Misc Shipping/Receiving Records (list of individual records) |           |     |
| <u>Sample Receipt Discrepancy Report</u>                        | 182       | 182 |
| 5. Other Records (describe or list)                             |           |     |
| a. <u>Manual Spectral Defense</u>                               | --        | --  |
| b. <u>Manual Integrations</u>                                   | --        | --  |
| c. <u>Manual Calculations</u>                                   | --        | --  |
| d. <u>Canister Dilution Factors</u>                             | 183       | 185 |
| e. <u>Laboratory Corrective Action Request</u>                  | --        | --  |
| f. <u>CAS Number Reference</u>                                  | 186       | 187 |
| g. <u>Variance Table</u>  | --        | --  |
| h. <u>Canister Certification</u>                                | --        | --  |
| i. <u>Data Review Check Sheet</u>                               | 188       | 188 |

Comments:

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Completed by:

**Kara McKiernan**

Kara McKiernan / Document Control

2/27/08

(Signature)

( Print Name & Title)

(Date)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**WORK ORDER #: 0802175**

Work Order Summary

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

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

**PHONE:** 860-368-5300

**P.O. #** NR

**FAX:** 860-368-5307

**PROJECT #** 061140-8-1703 BayShore OU1 Southern

**DATE RECEIVED:** 02/08/2008

**CONTACT:** cell Air Monitorin  
Bryanna Langley

**DATE COMPLETED:** 02/21/2008

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u>    | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|-------------|----------------|-------------------------------|---------------------------|
| 01A               | UW-AMS 5    | Modified TO-15 | 7.0 "Hg                       | 5 psi                     |
| 02A               | DW-AMS 1    | Modified TO-15 | 9.5 "Hg                       | 5 psi                     |
| 03A               | Lab Blank   | Modified TO-15 | NA                            | NA                        |
| 04A               | CCV         | Modified TO-15 | NA                            | NA                        |
| 05A               | LCS         | Modified TO-15 | NA                            | NA                        |

CERTIFIED BY: 

DATE: 02/22/08

Laboratory Director

Certification 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

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**LABORATORY NARRATIVE**  
**Modified TO-15**  
**GEI Consultants, Inc.**  
**Workorder# 0802175**



Two 6 Liter Summa Canister samples were received on February 08, 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.

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

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV  
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue

**Table 1**

| <b>Client<br/>Sample ID</b> | <b>Lab<br/>Sample ID</b> | <b>Date<br/>Collected</b> | <b>Date<br/>Received</b> | <b>Date<br/>Extracted</b> | <b>Sample<br/>Holding<br/>Time<br/>(Days)</b> | <b>Date<br/>Analyzed</b> | <b>Sample Extract<br/>Holding<br/>Time<br/>(Days)</b> | <b>Sample<br/>Condition</b> |
|-----------------------------|--------------------------|---------------------------|--------------------------|---------------------------|---|--------------------------|---|-----------------------------|
| UW-AMS 5                    | 0802175-01A              | 2/ 6/2008                 | 2/ 8/2008                | NA                        | 9   | 2/15/2008                | NA  | Good                        |
| DW-AMS 1                    | 0802175-02A              | 2/ 6/2008                 | 2/ 8/2008                | NA                        | 9   | 2/15/2008                | NA  | Good                        |
| Lab Blank                   | 0802175-03A              | NA                        | NA                       | NA                        | NA  | 2/15/2008                | NA  | Good                        |
| CCV                         | 0802175-04A              | NA                        | NA                       | NA                        | NA  | 2/15/2008                | NA  | Good                        |
| LCS                         | 0802175-05A              | NA                        | NA                       | NA                        | NA  | 2/15/2008                | NA  | Good                        |

## **Sample Results and Raw Data**





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

Client Sample ID: UW-AMS 5

Lab ID#: 0802175-01A

| Compound | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(uG/m3) | Amount<br>(uG/m3) |
|----------|----------------------|------------------|-----------------------|-------------------|
| Toluene  | 0.88                 | 1.8              | 3.3                   | 6.9               |





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW-AMS 5

Lab ID#: 0802175-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | t021514 | Date of Collection: | 2/6/08           |
| Dil. Factor: | 1.75    | Date of Analysis:   | 2/15/08 07:42 PM |

| 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  | 2.2                | Not Detected   |
| 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              | 1.8           | 3.3                | 6.9            |
| 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  | 1.9                | Not Detected   |
| 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: UW-AMS 5

Lab ID#: 0802175-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | t021514 | Date of Collection: | 2/6/08           |
| Dil. Factor: | 1.75    | Date of Analysis:   | 2/15/08 07:42 PM |

| 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   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 102       | 70-130        |
| 1,2-Dichloroethane-d4 | 95        | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Report Date: 21-Feb-2008 21:46

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Feb2008.b/t021514.d  
 Lab Smp Id: 0802175-01A  
 Inj Date : 15-FEB-2008 19:42  
 Operator : ACT Inst ID: msdt.i  
 Smp Info : 200mL #4075  
 Misc Info : 7.0"Hg -> 5psi  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Meth Date : 15-Feb-2008 09:26 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1  
 Dil Factor: 1.75000  
 Integrator: HP RTE Compound Sublist: AT04.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS                                |                 |        |          |         |         |              |        |        |
|---|-----------------|--------|----------|---------|---------|--------------|--------|--------|
|   |                 | ON-COL |          | FINAL   |         | TARGET RANGE |        | RATIO  |
| RT  | EXP RT (REL RT) | MASS   | RESPONSE | ( PPBV) | ( PPBV) |              |        |        |
| ==  | =====           | =====  | =====    | =====   | =====   | =====        |        | =====  |
| * 81 Bromochloromethane CAS #: 74-97-5        |                 |        |          |         |         |              |        |        |
| 13.886  | 13.858 (1.000)  | 130    | 312321   | 25.0000 |         | 80.00-       | 120.00 | 100.00 |
| 13.886  | 13.858 (1.000)  | 128    | 242483   |         |         | 29.31-       | 129.31 | 77.64  |
| 13.858  | 13.858 (1.000)  | 49     | 362419   |         |         | 139.59-      | 239.59 | 116.04 |
| -----   |                 |        |          |         |         |              |        |        |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |                 |        |          |         |         |              |        |        |
| 15.628  | 15.628 (1.000)  | 114    | 1177539  | 25.0000 |         | 80.00-       | 120.00 | 100.00 |
| 15.628  | 15.628 (1.000)  | 88     | 190932   |         |         | 0.00-        | 66.27  | 16.21  |
| -----   |                 |        |          |         |         |              |        |        |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |                 |        |          |         |         |              |        |        |
| 20.798  | 20.798 (1.000)  | 117    | 1113889  | 25.0000 |         | 80.00-       | 120.00 | 100.00 |
| 20.798  | 20.798 (1.000)  | 82     | 640297   |         |         | 6.72-        | 106.72 | 57.48  |
| -----   |                 |        |          |         |         |              |        |        |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |                 |        |          |         |         |              |        |        |
| 14.937  | 14.936 (1.076)  | 65     | 478694   | 23.8197 | 23.820  | 80.00-       | 120.00 | 100.00 |
| 14.937  | 14.936 (1.076)  | 67     | 237346   |         |         | 3.57-        | 103.57 | 49.58  |
| -----   |                 |        |          |         |         |              |        |        |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |                 |        |          |         |         |              |        |        |
| 18.199  | 18.199 (1.165)  | 98     | 1160565  | 25.5863 | 25.586  | 80.00-       | 120.00 | 100.00 |
| 18.199  | 18.199 (1.165)  | 70     | 137368   |         |         | 0.00-        | 61.29  | 11.84  |

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE ( PPEV) ( PPBV) TARGET RANGE RATIO  
== =====

\$ 113 Toluene-d8 (continued)

18.199 18.199 (1.165) 100 804979 18.71- 118.71 69.36

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

22.789 22.789 (1.096) 174 752702 26.1247 26.125 80.00- 120.00 100.00

22.789 22.789 (1.096) 95 930398 74.69- 174.69 123.61

22.789 22.789 (1.096) 176 724609 47.82- 147.82 96.27

114 Toluene

CAS #: 108-88-3

18.337 18.337 (1.173) 91 66091 1.05293 1.843 80.00- 120.00 100.00

18.337 18.337 (1.173) 92 40643 11.67- 111.67 61.50

Report Date: 21-Feb-2008 21:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARYInstrument ID: msdt.i  
Lab File ID: t021514.d  
Lab Smp Id: 0802175-01ACalibration Date: 15-FEB-2008  
Calibration Time: 09:08

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ACT

Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m

Misc Info: 7.0"Hg -&gt; 5psi

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 81 Bromochloromethan | 322081   | 193249     | 450913  | 312321  | -3.03 |
| 97 1,4-Difluorobenze | 1266174  | 759704     | 1772644 | 1177539 | -7.00 |
| 126 Chlorobenzene-d5 | 1180497  | 708298     | 1652696 | 1113889 | -5.64 |

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Feb2008  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: 0802175-01A  
Level: LOW Operator: ACT  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: AT04.sub  
Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m  
Misc Info: 7.0"Hg -> 5psi

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 90 1,2-Dichloroethane  | 25.000                | 23.820                    | 95.28          | 70-130 |
| \$ 113 Toluene-d8         | 25.000                | 25.586                    | 102.35         | 70-130 |
| \$ 137 Bromofluorobenzene | 25.000                | 26.125                    | 104.50         | 70-130 |

Data File: /chem/msdt,i/15Feb2008,b/t021514,d

Date : 15-FEB-2008 19:42

Client ID:

Sample Info: 200mL #4075

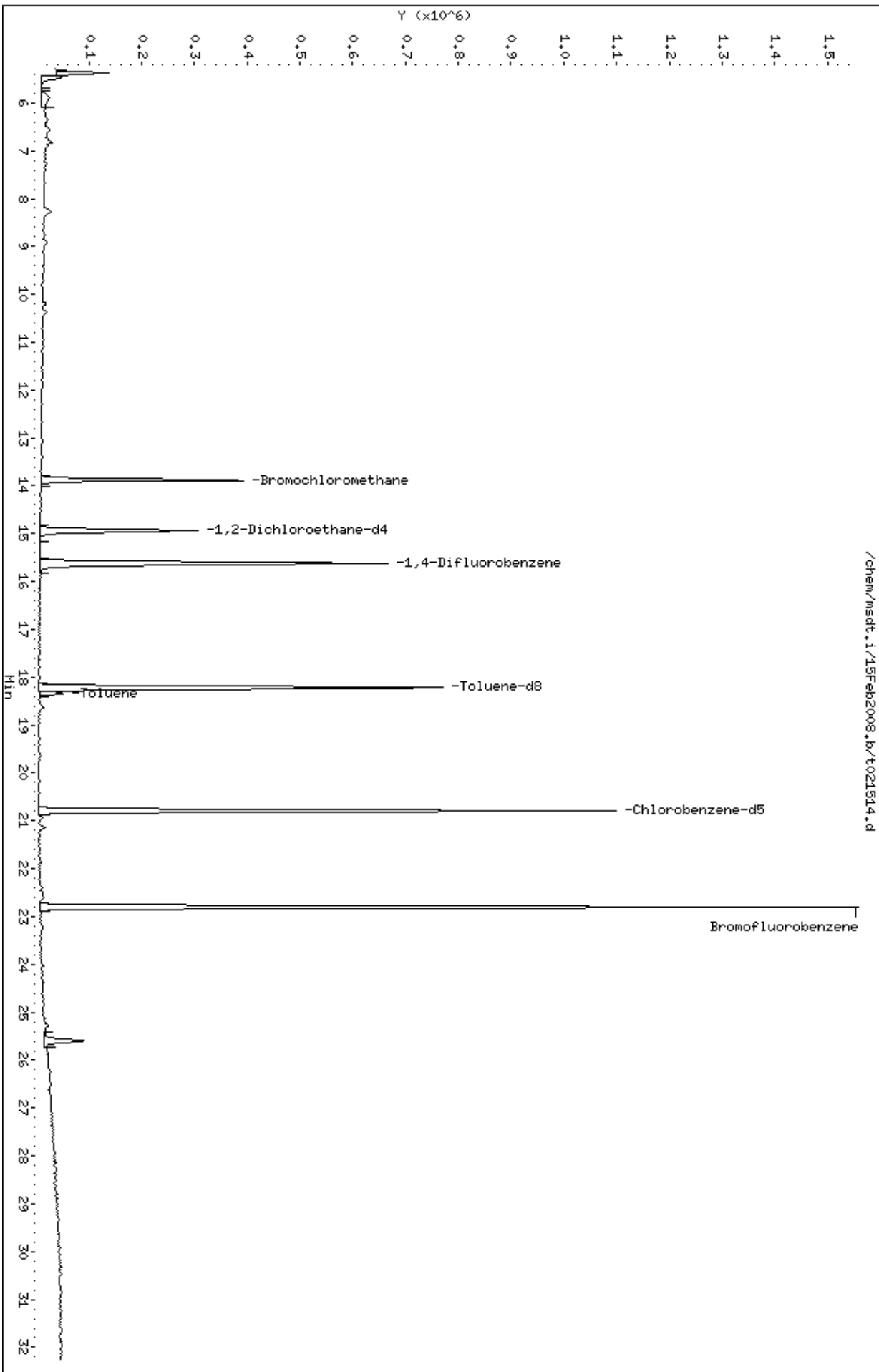
Column phase: RTX-624

Instrument: msdt,i

Operator: ACT

Column diameter: 0.53

/chem/msdt,i/15Feb2008,b/t021514,d





Date : 15-FEB-2008 19:42

Client ID:

Instrument: msdt.i

Sample Info: 200mL #4075

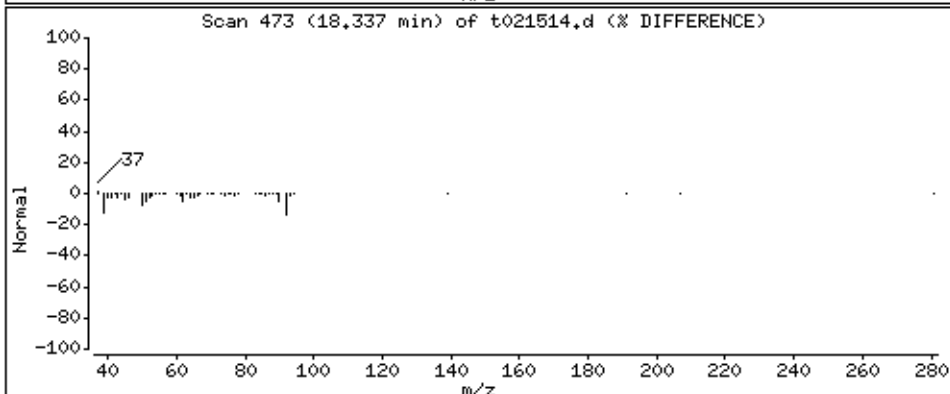
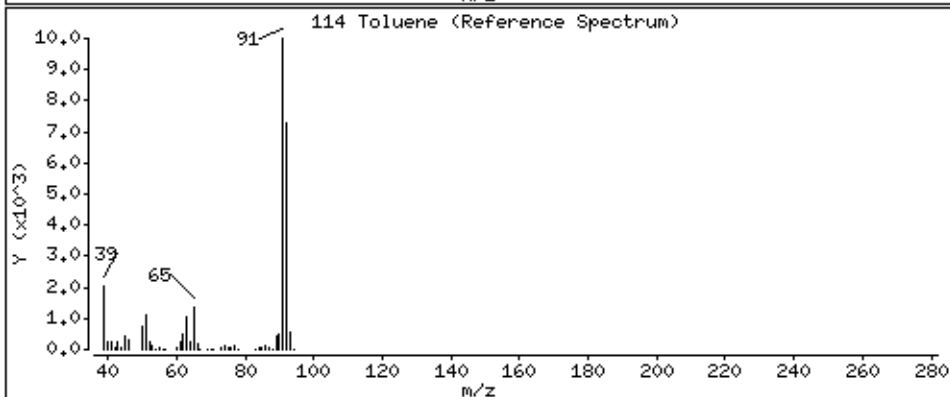
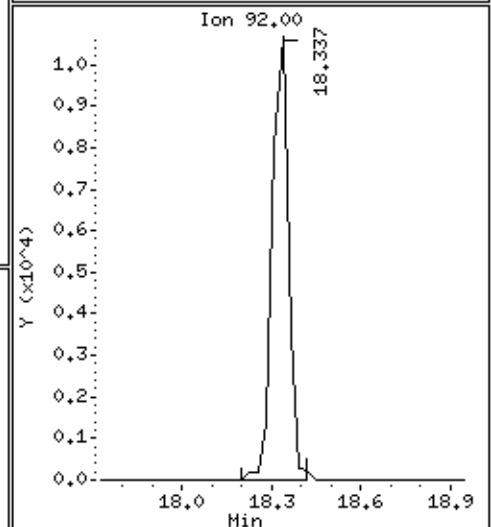
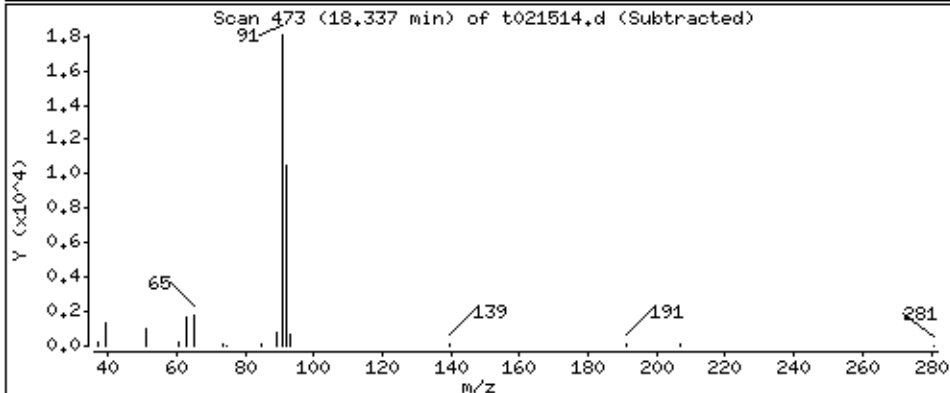
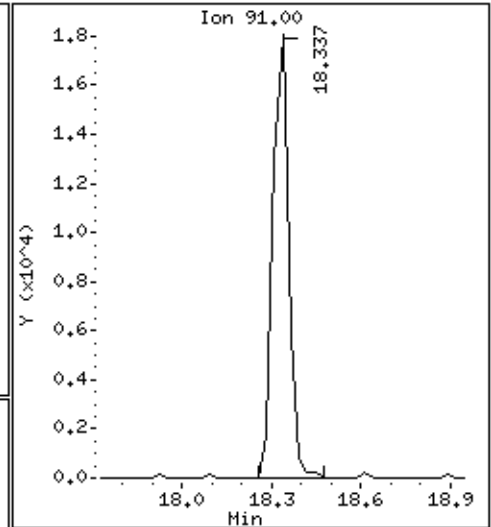
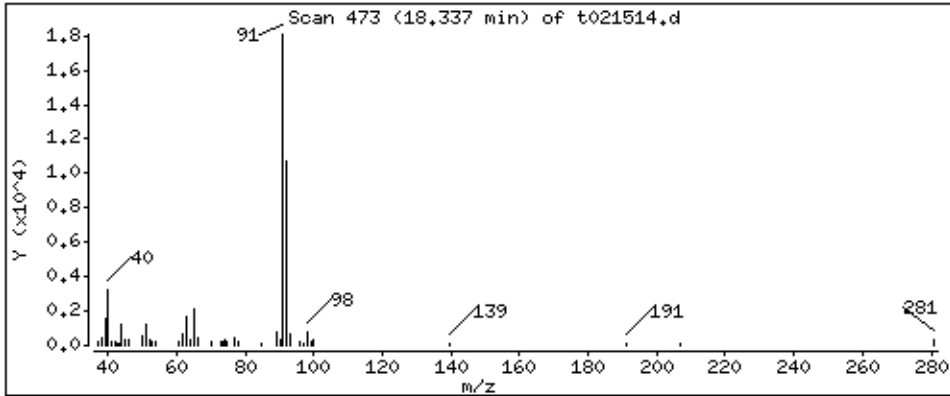
Operator: ACT

Column phase: RTX-624

Column diameter: 0.53

114 Toluene

Concentration: 1,843 PPBV





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

**Client Sample ID: DW-AMS 1**

**Lab ID#: 0802175-02A**

No Detections Were Found.



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW-AMS 1

Lab ID#: 0802175-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | t021515 | Date of Collection: | 2/6/08           |
| Dil. Factor: | 1.96    | Date of Analysis:   | 2/15/08 08:21 PM |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                  | 0.98              | Not Detected  | 4.8                | Not Detected   |
| Freon 114                 | 0.98              | Not Detected  | 6.8                | Not Detected   |
| Vinyl Chloride            | 0.98              | Not Detected  | 2.5                | Not Detected   |
| Bromomethane              | 0.98              | Not Detected  | 3.8                | Not Detected   |
| Chloroethane              | 0.98              | Not Detected  | 2.6                | Not Detected   |
| Freon 11                  | 0.98              | Not Detected  | 5.5                | Not Detected   |
| 1,1-Dichloroethene        | 0.98              | Not Detected  | 3.9                | Not Detected   |
| Freon 113                 | 0.98              | Not Detected  | 7.5                | Not Detected   |
| Methylene Chloride        | 0.98              | Not Detected  | 3.4                | Not Detected   |
| 1,1-Dichloroethane        | 0.98              | Not Detected  | 4.0                | Not Detected   |
| cis-1,2-Dichloroethene    | 0.98              | Not Detected  | 3.9                | Not Detected   |
| Chloroform                | 0.98              | Not Detected  | 4.8                | Not Detected   |
| 1,1,1-Trichloroethane     | 0.98              | Not Detected  | 5.3                | Not Detected   |
| Carbon Tetrachloride      | 0.98              | Not Detected  | 6.2                | Not Detected   |
| Benzene                   | 0.98              | Not Detected  | 3.1                | Not Detected   |
| 1,2-Dichloroethane        | 0.98              | Not Detected  | 4.0                | Not Detected   |
| Trichloroethene           | 0.98              | Not Detected  | 5.3                | Not Detected   |
| 1,2-Dichloropropane       | 0.98              | Not Detected  | 4.5                | Not Detected   |
| cis-1,3-Dichloropropene   | 0.98              | Not Detected  | 4.4                | Not Detected   |
| Toluene                   | 0.98              | Not Detected  | 3.7                | Not Detected   |
| trans-1,3-Dichloropropene | 0.98              | Not Detected  | 4.4                | Not Detected   |
| 1,1,2-Trichloroethane     | 0.98              | Not Detected  | 5.3                | Not Detected   |
| Tetrachloroethene         | 0.98              | Not Detected  | 6.6                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.98              | Not Detected  | 7.5                | Not Detected   |
| Chlorobenzene             | 0.98              | Not Detected  | 4.5                | Not Detected   |
| Ethyl Benzene             | 0.98              | Not Detected  | 4.2                | Not Detected   |
| m,p-Xylene                | 0.98              | Not Detected  | 4.2                | Not Detected   |
| o-Xylene                  | 0.98              | Not Detected  | 4.2                | Not Detected   |
| Styrene                   | 0.98              | Not Detected  | 4.2                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.98              | Not Detected  | 6.7                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.98              | Not Detected  | 4.8                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.98              | Not Detected  | 4.8                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.98              | Not Detected  | 5.9                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.98              | Not Detected  | 5.9                | Not Detected   |
| alpha-Chlorotoluene       | 0.98              | Not Detected  | 5.1                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.98              | Not Detected  | 5.9                | Not Detected   |
| 1,3-Butadiene             | 0.98              | Not Detected  | 2.2                | Not Detected   |
| Hexane                    | 0.98              | Not Detected  | 3.4                | Not Detected   |
| Cyclohexane               | 0.98              | Not Detected  | 3.4                | Not Detected   |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW-AMS 1

Lab ID#: 0802175-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | t021515 | Date of Collection: | 2/6/08           |
| Dil. Factor: | 1.96    | Date of Analysis:   | 2/15/08 08:21 PM |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Heptane                          | 0.98              | Not Detected  | 4.0                | Not Detected   |
| Bromodichloromethane             | 0.98              | Not Detected  | 6.6                | Not Detected   |
| Dibromochloromethane             | 0.98              | Not Detected  | 8.3                | Not Detected   |
| Cumene                           | 0.98              | Not Detected  | 4.8                | Not Detected   |
| Propylbenzene                    | 0.98              | Not Detected  | 4.8                | Not Detected   |
| Chloromethane                    | 3.9               | Not Detected  | 8.1                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 3.9               | Not Detected  | 29                 | Not Detected   |
| Hexachlorobutadiene              | 3.9               | Not Detected  | 42                 | Not Detected   |
| Acetone                          | 3.9               | Not Detected  | 9.3                | Not Detected   |
| Carbon Disulfide                 | 0.98              | Not Detected  | 3.0                | Not Detected   |
| 2-Propanol                       | 3.9               | Not Detected  | 9.6                | Not Detected   |
| trans-1,2-Dichloroethene         | 0.98              | Not Detected  | 3.9                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.98              | Not Detected  | 2.9                | Not Detected   |
| Tetrahydrofuran                  | 0.98              | Not Detected  | 2.9                | Not Detected   |
| 1,4-Dioxane                      | 3.9               | Not Detected  | 14                 | Not Detected   |
| 4-Methyl-2-pentanone             | 0.98              | Not Detected  | 4.0                | Not Detected   |
| 2-Hexanone                       | 3.9               | Not Detected  | 16                 | Not Detected   |
| Bromoform                        | 0.98              | Not Detected  | 10                 | Not Detected   |
| 4-Ethyltoluene                   | 0.98              | Not Detected  | 4.8                | Not Detected   |
| Ethanol                          | 3.9               | Not Detected  | 7.4                | Not Detected   |
| Methyl tert-butyl ether          | 0.98              | Not Detected  | 3.5                | Not Detected   |
| 3-Chloropropene                  | 3.9               | Not Detected  | 12                 | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.98              | Not Detected  | 4.6                | Not Detected   |
| Naphthalene                      | 3.9               | Not Detected  | 20                 | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 103       | 70-130        |
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Report Date: 21-Feb-2008 21:46

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Feb2008.b/t021515.d  
 Lab Smp Id: 0802175-02A  
 Inj Date : 15-FEB-2008 20:21  
 Operator : ACT Inst ID: msdt.i  
 Smp Info : 200mL #33562  
 Misc Info : 9.5"Hg -> 5psi  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Meth Date : 15-Feb-2008 09:26 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1  
 Dil Factor: 1.96000  
 Integrator: HP RTE Compound Sublist: AT04.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS                                |        |          |       |          |         |         |                |        |  |
|---|--------|----------|-------|----------|---------|---------|----------------|--------|--|
| ON-COL FINAL                                  |        |          |       |          |         |         |                |        |  |
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPBV) | ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====          | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |                |        |  |
| 13.886  | 13.858 | (1.000)  | 130   | 308399   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 13.886  | 13.858 | (1.000)  | 128   | 237227   |         |         | 29.31- 129.31  | 76.92  |  |
| 13.886  | 13.858 | (1.000)  | 49    | 358639   |         |         | 139.59- 239.59 | 116.29 |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |                |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1151913  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 183908   |         |         | 0.00- 66.27    | 15.97  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |                |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1103726  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 635552   |         |         | 6.72- 106.72   | 57.58  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |                |        |  |
| 14.936  | 14.936 | (1.076)  | 65    | 463831   | 23.3736 | 23.374  | 80.00- 120.00  | 100.00 |  |
| 14.936  | 14.936 | (1.076)  | 67    | 236900   |         |         | 3.57- 103.57   | 51.07  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |                |        |  |
| 18.227  | 18.199 | (1.166)  | 98    | 1147910  | 25.8703 | 25.870  | 80.00- 120.00  | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 131072   |         |         | 0.00- 61.29    | 11.42  |  |

CONCENTRATIONS

ON-COL FINAL

| RT | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPEV) | ( PPBV) | TARGET RANGE | RATIO |
|----|--------|----------|-------|----------|---------|---------|--------------|-------|
| == | =====  | =====    | ===== | =====    | =====   | =====   | =====        | ===== |

\$ 113 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 18.227 | 18.199 | (1.166) | 100 | 768281 |  |  | 18.71- 118.71 | 66.93 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |        |         |        |               |        |
|--------|--------|---------|-----|--------|---------|--------|---------------|--------|
| 22.789 | 22.789 | (1.096) | 174 | 743814 | 26.0539 | 26.054 | 80.00- 120.00 | 100.00 |
| 22.789 | 22.789 | (1.096) | 95  | 936661 |         |        | 74.69- 174.69 | 125.93 |
| 22.789 | 22.789 | (1.096) | 176 | 719071 |         |        | 47.82- 147.82 | 96.67  |

Report Date: 21-Feb-2008 21:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARYInstrument ID: msdt.i  
Lab File ID: t021515.d  
Lab Smp Id: 0802175-02ACalibration Date: 15-FEB-2008  
Calibration Time: 09:08

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ACT

Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m

Misc Info: 9.5"Hg -&gt; 5psi

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 81 Bromochloromethan | 322081   | 193249     | 450913  | 308399  | -4.25 |
| 97 1,4-Difluorobenze | 1266174  | 759704     | 1772644 | 1151913 | -9.02 |
| 126 Chlorobenzene-d5 | 1180497  | 708298     | 1652696 | 1103726 | -6.50 |

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Feb2008  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: 0802175-02A  
Level: LOW Operator: ACT  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: AT04.sub  
Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m  
Misc Info: 9.5"Hg -> 5psi

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 90 1,2-Dichloroethane  | 25.000                | 23.374                    | 93.49          | 70-130 |
| \$ 113 Toluene-d8         | 25.000                | 25.870                    | 103.48         | 70-130 |
| \$ 137 Bromofluorobenzene | 25.000                | 26.054                    | 104.22         | 70-130 |

Data File: /chem/msdt,i/15Feb2008,b/t021515.d

Date : 15-FEB-2008 20:21

Client ID:

Sample Info: 200mL #33562

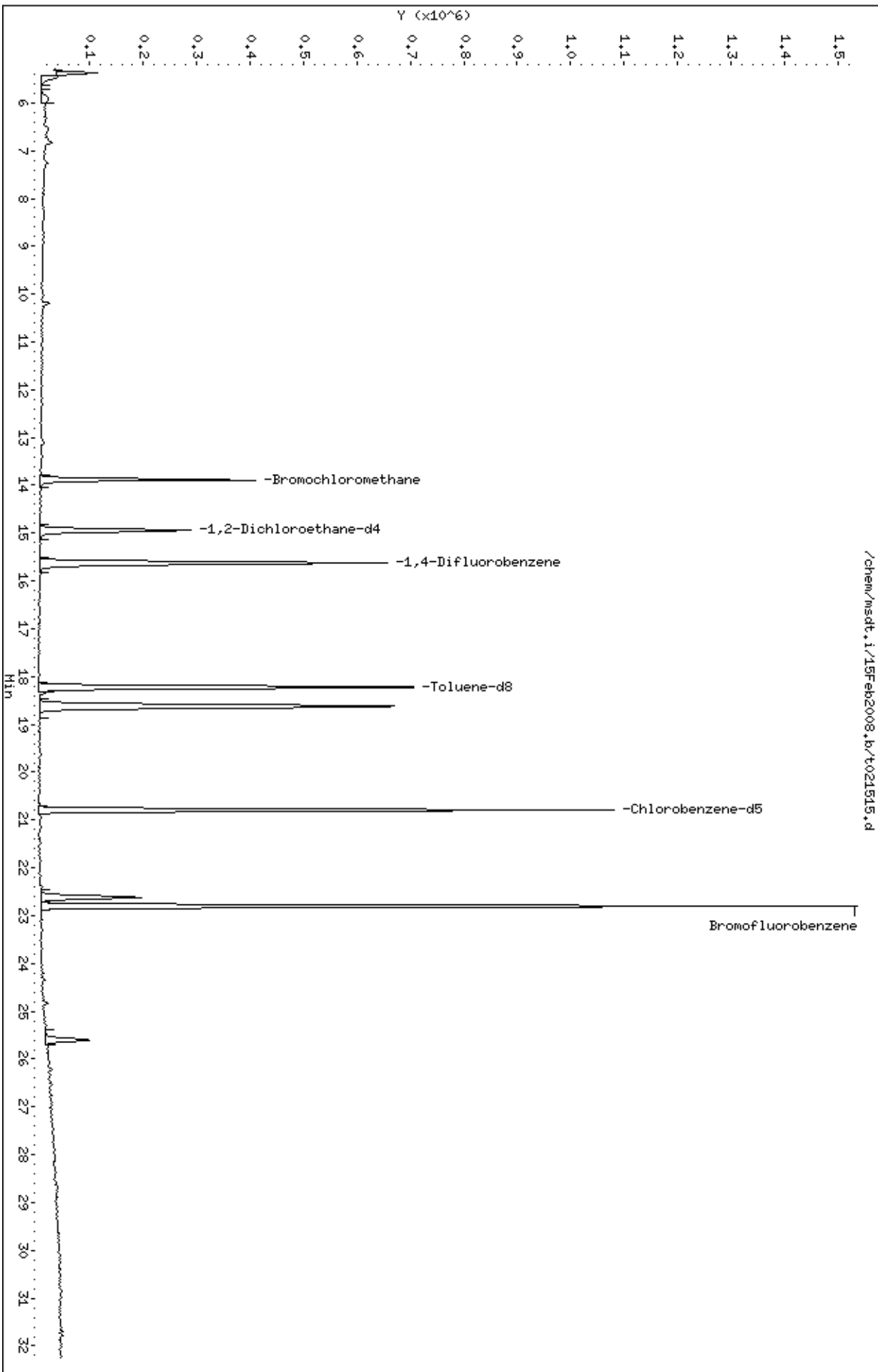
Column phase: RTX-624

Instrument: msdt,i

Operator: ACT

Column diameter: 0.53

/chem/msdt,i/15Feb2008,b/t021515.d



# **QC Results and Raw Data**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802175-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | t021506 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 2/15/08 12:37 PM |

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



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0802175-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | t021506 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 2/15/08 12:37 PM |

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

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 102       | 70-130        |
| 1,2-Dichloroethane-d4 | 97        | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |

Report Date: 15-Feb-2008 12:54

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Feb2008.b/t021506.d  
 Lab Smp Id: Lab Blank Client Smp ID: Lab Blank  
 Inj Date : 15-FEB-2008 12:37  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 200mL #33668  
 Misc Info : Humid  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Meth Date : 15-Feb-2008 09:26 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS                                |        |          |      |          |         |         |                |        |  |
|---|--------|----------|------|----------|---------|---------|----------------|--------|--|
| ON-COL FINAL                                  |        |          |      |          |         |         |                |        |  |
| RT  | EXP RT | (REL RT) | MASS | RESPONSE | ( PPBV) | ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ==== | =====    | =====   | =====   | =====          | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |      |          |         |         |                |        |  |
| 13.886  | 13.858 | (1.000)  | 130  | 301173   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 13.886  | 13.858 | (1.000)  | 128  | 233650   |         |         | 29.31- 129.31  | 77.58  |  |
| 13.858  | 13.858 | (1.000)  | 49   | 352630   |         |         | 139.59- 239.59 | 117.09 |  |
| -----   |        |          |      |          |         |         |                |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |      |          |         |         |                |        |  |
| 15.628  | 15.628 | (1.000)  | 114  | 1151518  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88   | 188595   |         |         | 0.00- 66.27    | 16.38  |  |
| -----   |        |          |      |          |         |         |                |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |      |          |         |         |                |        |  |
| 20.798  | 20.798 | (1.000)  | 117  | 1079841  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82   | 618060   |         |         | 6.72- 106.72   | 57.24  |  |
| -----   |        |          |      |          |         |         |                |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |      |          |         |         |                |        |  |
| 14.936  | 14.936 | (1.076)  | 65   | 471879   | 24.3497 | 24.350  | 80.00- 120.00  | 100.00 |  |
| 14.936  | 14.936 | (1.076)  | 67   | 236854   |         |         | 3.57- 103.57   | 50.19  |  |
| -----   |        |          |      |          |         |         |                |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |      |          |         |         |                |        |  |
| 18.199  | 18.199 | (1.165)  | 98   | 1134553  | 25.5781 | 25.578  | 80.00- 120.00  | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70   | 132298   |         |         | 0.00- 61.29    | 11.66  |  |

CONCENTRATIONS

ON-COL FINAL

RT EXP RT (REL RT) MASS RESPONSE ( PPEV) ( PPBV) TARGET RANGE RATIO  
== =====

\$ 113 Toluene-d8 (continued)

18.199 18.199 (1.165) 100 785407 18.71- 118.71 69.23

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

22.789 22.789 (1.096) 174 718254 25.7151 25.715 80.00- 120.00 100.00

22.789 22.789 (1.096) 95 900740 74.69- 174.69 125.41

22.789 22.789 (1.096) 176 711916 47.82- 147.82 99.12



Report Date: 15-Feb-2008 12:54

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 15-FEB-2008

Lab File ID: t021506.d

Calibration Time: 09:08

Lab Smp Id: Lab Blank

Client Smp ID: Lab Blank

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m

Misc Info: Humid

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 81 Bromochloromethan | 322081   | 193249     | 450913  | 301173  | -6.49 |
| 97 1,4-Difluorobenze | 1266174  | 759704     | 1772644 | 1151518 | -9.06 |
| 126 Chlorobenzene-d5 | 1180497  | 708298     | 1652696 | 1079841 | -8.53 |

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Feb2008  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank  
Level: LOW Operator: sjr  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: AT04ENSR.sub  
Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m  
Misc Info: Humid

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 90 1,2-Dichloroethane  | 25.000                | 24.350                    | 97.40          | 70-130 |
| \$ 113 Toluene-d8         | 25.000                | 25.578                    | 102.31         | 70-130 |
| \$ 137 Bromofluorobenzene | 25.000                | 25.715                    | 102.86         | 70-130 |

Data File: /chem/msdt,i/15Feb2008,b/t021506.d

Date : 15-FEB-2008 12:37

Client ID: Lab Blank

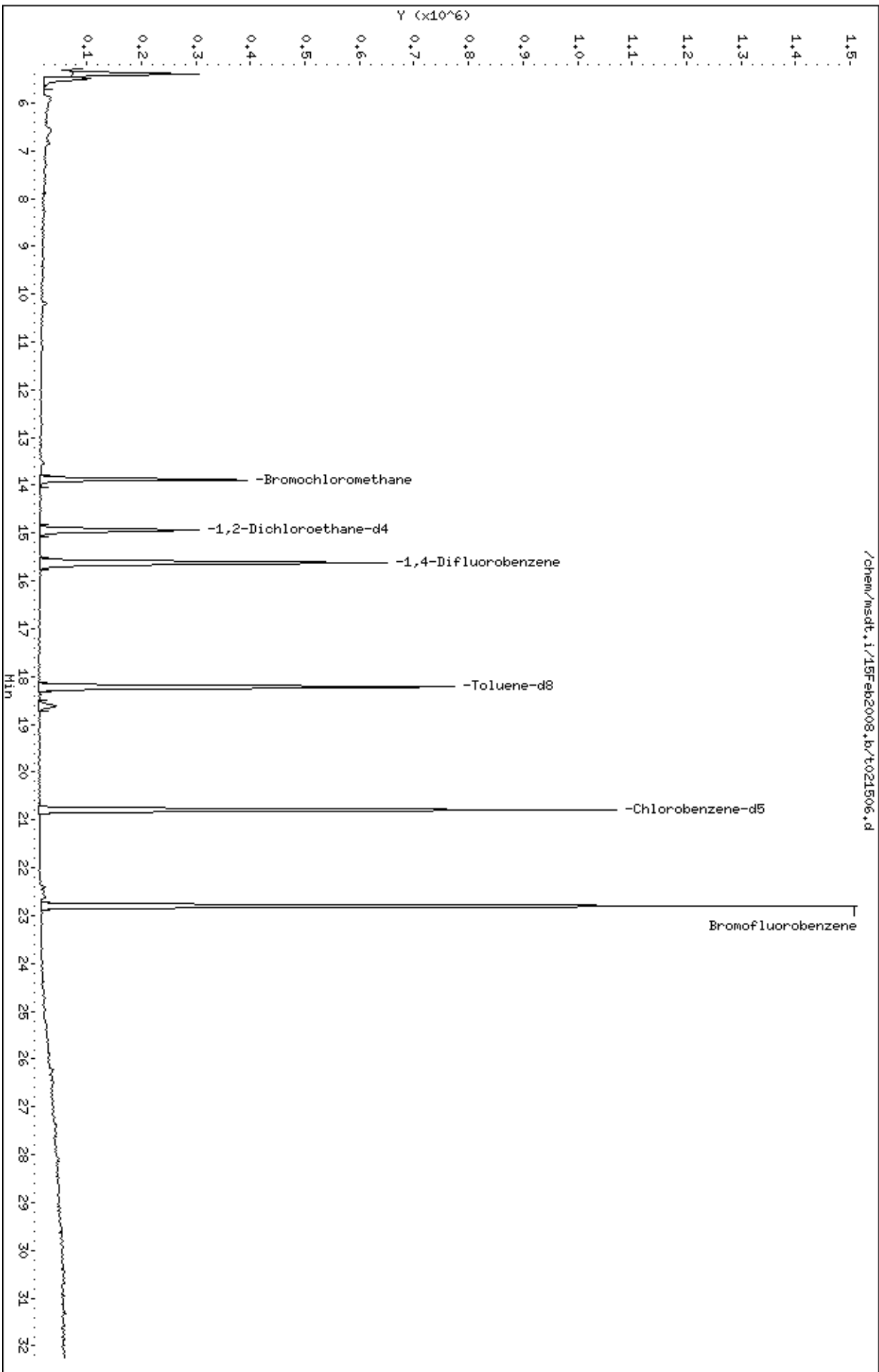
Sample Info: 200mL #33668

Column phase: RTX-624

Instrument: msdt,i

Operator: sjr

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.: 0802175

| CLIENT<br>SAMPLE NO. | SURROGATE % RECOVERY      |     |            |     |                          |     |  | TOTAL<br>OUT |   |
|----------------------|---------------------------|-----|------------|-----|--------------------------|-----|--|--------------|---|
|                      | 1,2-Dichloroethane-d<br>4 | #   | Toluene-d8 | #   | 4-Bromofluorobenze<br>ne | #   |  |              | # |
| 01                   | UW-AMS 5                  | 95  |            | 102 |                          | 104 |  |              | 0 |
| 02                   | DW-AMS 1                  | 93  |            | 103 |                          | 104 |  |              | 0 |
| 03                   | Lab Blank                 | 97  |            | 102 |                          | 103 |  |              | 0 |
| 04                   | CCV                       | 108 |            | 105 |                          | 104 |  |              | 0 |
| 05                   | LCS                       | 106 |            | 102 |                          | 105 |  |              | 0 |
| 06                   |                           |     |            |     |                          |     |  |              | 0 |
| 07                   |                           |     |            |     |                          |     |  |              | 0 |
| 08                   |                           |     |            |     |                          |     |  |              | 0 |
| 09                   |                           |     |            |     |                          |     |  |              | 0 |
| 10                   |                           |     |            |     |                          |     |  |              | 0 |
| 11                   |                           |     |            |     |                          |     |  |              | 0 |
| 12                   |                           |     |            |     |                          |     |  |              | 0 |
| 13                   |                           |     |            |     |                          |     |  |              | 0 |
| 14                   |                           |     |            |     |                          |     |  |              | 0 |
| 15                   |                           |     |            |     |                          |     |  |              | 0 |
| 16                   |                           |     |            |     |                          |     |  |              | 0 |
| 17                   |                           |     |            |     |                          |     |  |              | 0 |
| 18                   |                           |     |            |     |                          |     |  |              | 0 |
| 19                   |                           |     |            |     |                          |     |  |              | 0 |
| 20                   |                           |     |            |     |                          |     |  |              | 0 |
| 21                   |                           |     |            |     |                          |     |  |              | 0 |
| 22                   |                           |     |            |     |                          |     |  |              | 0 |
| 23                   |                           |     |            |     |                          |     |  |              | 0 |
| 24                   |                           |     |            |     |                          |     |  |              | 0 |

Surrogate Recovery Limits

1,2-Dichloroethane-d4 70 - 130

Toluene-d8 70 - 130

4-Bromofluorobenzene 70 - 130

\* Designates values outside of QC limits

# LEVEL-IV VALIDATABLE

Modified EPA Method TO-15 GC/MS Full Scan

INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: AIR TOXICS, LTD  
 Lab File ID: t021502.d  
 Instrument ID: msdt.i

SDG No: 0802175  
 Date Analyzed: 02/15/2008  
 Time Analyzed: 09:08 AM

|                  | Chlorobenzene-d5 |         |       | 1,4-Difluorobenzene |       |        | Bromochloromethane |   |       |
|------------------|------------------|---------|-------|---------------------|-------|--------|--------------------|---|-------|
|                  | Area             | #       | RT    | Area                | #     | RT     | Area               | # | RT    |
| 24-HOUR STD      | 1180497          |         | 20.8  | 1266174             |       | 15.63  | 322081             |   | 13.86 |
| UPPER LIMIT      | 1652696          |         | 21.13 | 1772644             |       | 15.96  | 450913             |   | 14.19 |
| LOWER LIMIT      | 708298           |         | 20.47 | 759704              |       | 15.30  | 193249             |   | 13.53 |
| CLIENT SAMPLE NO |                  |         |       |                     |       |        |                    |   |       |
| 01               | UW-AMS 5         | 1113889 | 20.8  | 1177539             | 15.63 | 312321 | 13.89              |   |       |
| 02               | DW-AMS 1         | 1103726 | 20.8  | 1151913             | 15.63 | 308399 | 13.89              |   |       |
| 03               | Lab Blank        | 1079841 | 20.8  | 1151518             | 15.63 | 301173 | 13.89              |   |       |
| 04               | CCV              | 1180497 | 20.8  | 1266174             | 15.63 | 322081 | 13.86              |   |       |
| 05               | LCS              | 1207144 | 20.8  | 1327608             | 15.63 | 329518 | 13.86              |   |       |
| 06               |                  |         |       |                     |       |        |                    |   |       |
| 07               |                  |         |       |                     |       |        |                    |   |       |
| 08               |                  |         |       |                     |       |        |                    |   |       |
| 09               |                  |         |       |                     |       |        |                    |   |       |
| 10               |                  |         |       |                     |       |        |                    |   |       |
| 11               |                  |         |       |                     |       |        |                    |   |       |
| 12               |                  |         |       |                     |       |        |                    |   |       |
| 13               |                  |         |       |                     |       |        |                    |   |       |
| 14               |                  |         |       |                     |       |        |                    |   |       |
| 15               |                  |         |       |                     |       |        |                    |   |       |
| 16               |                  |         |       |                     |       |        |                    |   |       |
| 17               |                  |         |       |                     |       |        |                    |   |       |
| 18               |                  |         |       |                     |       |        |                    |   |       |
| 19               |                  |         |       |                     |       |        |                    |   |       |
| 20               |                  |         |       |                     |       |        |                    |   |       |
| 21               |                  |         |       |                     |       |        |                    |   |       |
| 22               |                  |         |       |                     |       |        |                    |   |       |

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

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

\* Designates values outside of QC limits



Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound                        | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | 200.000<br>Level 7 | RRF     | % RSD |
|---------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|--------------------|---------|-------|
| 7 Propanal                      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 8 Freon 14                      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 9 Freon 13                      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 199 Vinyl Fluoride              | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 13 Freon 134a                   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 10 Bromoethane                  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 11 Propylene                    | +++++              | +++++              | 0.84673          | 0.85060           | 0.79894           | 0.79144            |                    | 0.81770 | 3.488 |
| 15 Freon 152a                   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |
| 12 Dichlorodifluoromethane/Fr12 | +++++              | 4.16310            | 4.59106          | 5.40232           | 5.14446           | 5.05621            |                    | 4.88168 | 9.041 |
| 17 Freon 22                     | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++ |

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound               | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | Level 7 | RRF     | % RSD |
|------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|-------|
| 14 2,3-Dimethylbutane  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++ |
| 16 Freon 114           | +++++              | 2.99040            | 2.92556          | 3.49436           | 3.32698           | 3.32662            |         | 3.22698 | 6.836 |
| 18 Chloromethane       | +++++              | +++++              | 0.98827          | 1.10944           | 1.03446           | 1.10461            |         | 1.06576 | 4.941 |
| 21 Isobutane           | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++ |
| 20 Vinyl Chloride      | +++++              | 1.42862            | 1.28255          | 1.59625           | 1.47907           | 1.49951            |         | 1.46323 | 7.103 |
| 19 Butane              | +++++              | +++++              | 0.25023          | 0.30439           | 0.28440           | 0.28549            |         | 0.27985 | 7.053 |
| 22 1,3-Butadiene       | +++++              | 0.97057            | 1.02558          | 1.21355           | 1.14007           | 1.13828            |         | 1.10115 | 7.979 |
| 26 Methanol            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++ |
| 25 Bromomethane        | +++++              | 1.36425            | 1.28940          | 1.56898           | 1.45095           | 1.49031            |         | 1.44878 | 7.247 |
| 28 2,4-Dimethylpentane | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++ |



Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound                       | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | Level 7 | RRF     | % RSD  |
|--------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 27 Chloroethane                | 0.80030            | 0.65321            | 0.67403          | 0.83510           | 0.80667           | 0.80944            |         | 0.76312 | 10.255 |
| 29 Isopentane                  | 1.60636            | +++++              | 1.41966          | 1.72435           | 1.68834           | 1.64271            |         | 1.61629 | 7.342  |
| 30 2-Butanol                   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 34 Dichlorofluoromethane/Fr21  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 35 1-Pentene                   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 31 Trichlorofluoromethane/Fr11 | 5.49991            | 4.83077            | 5.16410          | 6.19720           | 5.82682           | 5.63959            |         | 5.52640 | 8.749  |
| 37 Pentane                     | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 32 3-Methyl-1-Hexene           | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 33 Vinyl Bromide               | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 36 Methacrylonitrile           | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound              | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | Level 7 | RRF     | % RSD  |
|-----------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 38 Ethanol            | 200.000<br>0.45254 | +++++              | 0.30720          | 0.46457           | 0.45284           | 0.43697            |         | 0.42283 | 15.461 |
| 39 Ethyl Ether        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 40 Freon123a          | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 41 Freon123           | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 44 Acrolein           | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 42 Freon 113          | 2.51013            | 2.32343            | 2.43842          | 2.80201           | 2.61026           | 2.58402            |         | 2.54471 | 6.421  |
| 43 1,1-Dichloroethene | 2.44852            | 1.89819            | 1.96458          | 2.53705           | 2.44002           | 2.45483            |         | 2.29053 | 12.275 |
| 45 Acetone            | 0.68836            | +++++              | 0.64513          | 0.75269           | 0.75542           | 0.70777            |         | 0.70987 | 6.519  |
| 46 2-Propanol         | 2.53924            | +++++              | 1.84353          | 2.56755           | 2.62153           | 2.59185            |         | 2.43274 | 13.597 |
| 48 Ethyl acrylate     | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound               | 0.20000 | 0.50000 | 2.000   | 25.000  | 50.000  | 100.000 | —       | % RSD  |
|------------------------|---------|---------|---------|---------|---------|---------|---------|--------|
|                        | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | RRF     |        |
|                        | 200.000 |         |         |         |         |         |         |        |
|                        | Level 7 |         |         |         |         |         |         |        |
| 47 Carbon Disulfide    | +++++   | 3.75552 | 3.89953 | 4.70232 | 4.46118 | 4.57127 |         |        |
|                        | 4.60543 |         |         |         |         |         | 4.33254 | 9.262  |
| 49 Iodomethane         | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 50 Methyl Methacrylate | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 23 Methyl acetate      | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 51 3-Chloropropene     | +++++   | +++++   | 0.57241 | 0.83863 | 0.77832 | 0.77926 |         |        |
|                        | 0.76166 |         |         |         |         |         | 0.74606 | 13.589 |
| 52 Acetonitrile        | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 53 2-Methylpentane     | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 55 Cyclopentene        | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 56 Cyclopentane        | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 54 Methylene Chloride  | +++++   | 1.42542 | 1.38589 | 1.54346 | 1.44317 | 1.45012 |         |        |
|                        | 1.44235 |         |         |         |         |         | 1.44840 | 3.593  |

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 06-FEB-2008 14:27  
 End Cal Date : 06-FEB-2008 22:02  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound                    | 0.20000 | 0.50000 | 2.000   | 25.000  | 50.000  | 100.000 |         |           |
|-----------------------------|---------|---------|---------|---------|---------|---------|---------|-----------|
|                             | Level 1 | Level 2 | Level 3 | Level 4 | Level 5 | Level 6 | RRF     | % RSD     |
|                             | 200.000 |         |         |         |         |         |         |           |
|                             | Level 7 |         |         |         |         |         |         |           |
| 57 tert-Butyl-Alcohol       | +++++   | +++++   | 1.82841 | 3.04910 | 3.01051 | 2.74877 |         |           |
|                             | 2.61830 |         |         |         |         |         | 2.65102 | 18.624    |
| 58 Freon143a                | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 59 2,3,4-Trimethylpentane   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 60 MTBE                     | +++++   | 1.74667 | 2.48598 | 5.35404 | 5.24034 | 5.08244 |         |           |
|                             | 5.03910 |         |         |         |         |         | 4.15810 | 38.544 <- |
| 61 trans-1,2-Dichloroethene | +++++   | 1.37259 | 1.40223 | 1.98489 | 1.85179 | 1.82018 |         |           |
|                             | 1.78174 |         |         |         |         |         | 1.70224 | 14.889    |
| 62 Acrylonitrile            | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 66 1-Hexene                 | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 63 2-Pentanone              | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 64 Pentanal                 | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++     |
| 65 Hexane                   | +++++   | 1.32672 | 1.77918 | 2.62091 | 2.58448 | 2.58635 |         |           |
|                             | 2.58008 |         |         |         |         |         | 2.24629 | 24.751    |



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| Compound                  | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | Level 7 | RRF     | % RSD  |
|---------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 78 2,2-Dichloropropane    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 75 2-Butanone             | +++++              | 0.54840            | 0.64439          | 0.87500           | 0.88005           | 0.92266            |         | 0.79961 | 20.225 |
| 76 cis-1,2-Dichloroethene | +++++              | 1.50980            | 1.82949          | 2.43792           | 2.35871           | 2.32430            |         | 2.11467 | 17.285 |
| 79 Methyl Acrylate        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 80 Tetrahydrofuran        | +++++              | 0.86924            | 1.09182          | 1.54446           | 1.53666           | 1.53710            |         | 1.34868 | 21.793 |
| 82 Chloroform             | +++++              | 2.73754            | 3.43045          | 4.29177           | 4.13727           | 4.05571            |         | 3.63101 | 17.201 |
| 84 2,3-Dimethylpentane    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 83 1,1,1-Trichloroethane  | +++++              | 2.56837            | 3.64494          | 4.67327           | 4.45606           | 4.41784            |         | 4.01616 | 19.679 |
| 85 Cyclohexane            | +++++              | 1.36064            | 1.71484          | 2.48744           | 2.40989           | 2.47472            |         | 2.15044 | 22.709 |
| 86 1-Bromo-2-Chloroethane | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

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 Curve Type : Average

| Compound                  | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | 200.000<br>Level 7 | RRF     | % RSD  |
|---------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|--------------------|---------|--------|
| 88 1,1-Dichloropropene    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++  |
| 87 Carbon Tetrachloride   | +++++              | 2.69834            | 3.44710          | 4.47510           | 4.26367           | 4.18227            |                    | 3.85789 | 17.248 |
| 99 Isobutanol             | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++  |
| 89 2,2,4-Trimethylpentane | +++++              | 3.17139            | 4.19445          | 6.10478           | 5.79296           | 5.98557            |                    | 5.24329 | 24.009 |
| 91 Benzene                | 1.30575            | 0.88191            | 1.17697          | 1.40059           | 1.35772           | 1.31372            |                    | 1.24979 | 14.092 |
| 92 tert-amyl-Methyl Ether | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++  |
| 96 2-Heptanone            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++  |
| 93 1,2-Dichloroethane     | +++++              | 0.44681            | 0.57569          | 0.69764           | 0.67542           | 0.64331            |                    | 0.60974 | 14.846 |
| 94 Heptane                | +++++              | 0.22192            | 0.29435          | 0.41861           | 0.39712           | 0.39872            |                    | 0.35378 | 22.068 |
| 95 Thiophene              | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    | +++++   | +++++  |





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 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

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

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 Curve Type : Average

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

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 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

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

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 Cal Date : 07-Feb-2008 08:40 sruth  
 Curve Type : Average

| Compound                   | 0.20000<br>Level 1 | 0.50000<br>Level 2 | 2.000<br>Level 3 | 25.000<br>Level 4 | 50.000<br>Level 5 | 100.000<br>Level 6 | Level 7 | RRF     | % RSD  |
|----------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 139 Decane                 | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 144 beta-Pinene            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 145 4-Ethyltoluene         | +++++              | 1.20333            | 2.36567          | 3.05246           | 2.92449           | 2.81345            |         | 2.48367 | 27.208 |
| 141 2-Chlorotoluene        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 147 1,3,5-Trimethylbenzene | +++++              | 1.09055            | 1.94838          | 2.57321           | 2.40165           | 2.34695            |         | 2.11868 | 25.670 |
| 143 4-Chlorotoluene        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 146 Diisobutyl Ketone      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 148 tert-Butylbenzene      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 150 1,2,4-Trimethylbenzene | +++++              | 0.93406            | 1.80498          | 2.41563           | 2.30233           | 2.24772            |         | 1.99645 | 28.110 |
| 201 Pentachloroethane      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

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|-----------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 152 D-Limonene              | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 149 sec-Butylbenzene        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 151 bis(2-chloroethyl)ether | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 153 p-Cymene                | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 155 1,3-Dichlorobenzene     | +++++              | 0.82952            | 1.50140          | 1.66547           | 1.57037           | 1.51511            |         | 1.43495 | 21.080 |
| 154 1,2,3-Trimethylbenzene  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 156 1,4-Dichlorobenzene     | +++++              | 0.86046            | 1.50599          | 1.71817           | 1.62550           | 1.56465            |         | 1.47654 | 20.993 |
| 157 Indan                   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 159 alpha-Chlorotoluene     | +++++              | 1.02357            | 1.93206          | 2.54425           | 2.48304           | 2.45510            |         | 2.13483 | 27.499 |
| 158 Butylbenzene            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |



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

Calibration History

Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
Start Cal Date: 06-FEB-2008 14:27  
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Initial Calibration

| Injection Date                       | Sublist      | Calibration File                   |
|--------------------------------------|--------------|------------------------------------|
| Cal Level: 1 , Cal Amount: 0.20000   |              |                                    |
| 06-FEB-2008 14:27                    | AFCEElow     | /chem/msdt.i/06Feb2008.b/t020607.d |
| Cal Level: 2 , Cal Amount: 0.50000   |              |                                    |
| 06-FEB-2008 22:02                    | AT04low+ENSR | /chem/msdt.i/06Feb2008.b/t020615.d |
| Cal Level: 3 , Cal Amount: 2.00000   |              |                                    |
| 06-FEB-2008 15:52                    | AT04mdl+ENSR | /chem/msdt.i/06Feb2008.b/t020609.d |
| Cal Level: 4 , Cal Amount: 25.00000  |              |                                    |
| 06-FEB-2008 16:33                    | AT04mdl+ENSR | /chem/msdt.i/06Feb2008.b/t020610.d |
| Cal Level: 5 , Cal Amount: 50.00000  |              |                                    |
| 06-FEB-2008 17:13                    | AT04mdl+ENSR | /chem/msdt.i/06Feb2008.b/t020611.d |
| Cal Level: 6 , Cal Amount: 100.00000 |              |                                    |
| 06-FEB-2008 17:51                    | AT04mdl+ENSR | /chem/msdt.i/06Feb2008.b/t020612.d |
| Cal Level: 7 , Cal Amount: 200.00000 |              |                                    |
| 06-FEB-2008 19:41                    | AT04mdl+ENSR | /chem/msdt.i/06Feb2008.b/t020613.d |

Continuing Calibration  
Ccal Level Mode: GLOBAL LEVEL 5



```
| Ccal Level: 5 , Ccal Amount: 50.000 |
+=====+
|06-FEB-2008 17:13 |AT04mdl+ENSR      |/chem/msdt.i/06Feb2008.b/t020611a.d |
+-----+-----+-----+
| Ccal Level: 5 , Ccal Amount: 50.000 |
+=====+
|06-FEB-2008 17:13 |AT04mdl+ENSR      |/chem/msdt.i/06Feb2008.b/t020611.d |
+-----+-----+-----+
```

| m/z | ION ABUNDANCE CRITERIA                              | % REL. ABUNDANCE     |
|-----|---|----------------------|
| 50  | 15.0 - 40.0% of mass 95                             | 19.07                |
| 75  | 30.0 - 60.0% of mass 95                             | 50.99                |
| 95  | Base peak, 100.00% relative abundance               | 100                  |
| 96  | 5.0 - 9.0% of mass 95                               | 6.46                 |
| 173 | Less than 2.0% of mass 174                          | (0.76) <sup>1</sup>  |
| 174 | Greater than 50.0% of mass 95                       | 75.96                |
| 175 | 5.0 - 9.0% of mass 174                              | (2.09) <sup>1</sup>  |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 | (96.77) <sup>1</sup> |
| 177 | 5.0 - 9.0% of mass 176                              | (6.41) <sup>2</sup>  |

<sup>1</sup> - value in parenthesis is % mass 174      <sup>2</sup> - value in parenthesis is % mass 176

Verify 176/174 m/z Ratio:  $1308292/1351956 \times 100 = 96.77$

BFB Injection Date: 2/6/08 Logbook #: 1599  
 BFB Injection Time: 1326  
 BFB File ID: t020605  
 Tekmar Purge Flow: \_\_\_\_\_  
 Vacuum: 2.16e-5  
 IS/S Std #: 1443-398 Exp. Date: 3/28/08  
 BCM 355997  
 1,4-DFB 1372567  
 CB-d5 1372265  
 Verified CVV IS vs ICAL mid-point (-40%D) [Signature]

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

Calculation Check:

ppbv of compound =  $\frac{\text{Area}_{\text{sample}}}{\text{Areas}} \times \frac{\text{Conc.}_{\text{is}}}{\text{RRF}} = \frac{(1318253)}{(1372567)} \times \frac{(25.0)}{(0.96300)} = 24.933$

Reported Result 24.933

File ID: t020611  
 Compound: 707-18  
 Initials: [Signature]

| Use | File#   | Sample / Client Name | Can #    | Pressure | Amt Loaded | DF     | Date Analyzed | Time Analyzed | Review Init. | Comments  |
|-----|---------|----------------------|----------|----------|------------|--------|---------------|---------------|--------------|-----------|
| ✓   | t020605 | BFB Tank Check       | 509g     | 3000     | 1.00       | 2/6/08 | 1326          | [Signature]   |              |           |
| ✓   | 06      | System blank         | 3368     | 4000     | 2000       | 1303   | 1427          | [Signature]   |              |           |
| ✓   | 07      | ICAL level 1         | 1576-261 | 0.3ppbv  | 0.2ml      | 1512   | 1552          | [Signature]   |              | t14g 206a |
| ✓   | 08      |                      |          | 0.5ppbv  | 0.5ml      | 1512   | 1552          | [Signature]   |              |           |
| ✓   | 09      |                      |          | 2.0ppbv  | 2.0ml      | 1512   | 1552          | [Signature]   |              |           |
| ✓   | 10      |                      |          | 2.5ppbv  | 2.5ml      | 1512   | 1552          | [Signature]   |              |           |
| ✓   | 11      |                      |          | 50 ppbv  | 50µl       | 1743   | 1743          | [Signature]   |              |           |
| ✓   | 12      |                      |          | 100 ppbv | 100µl      | 1743   | 1743          | [Signature]   |              |           |
| ✓   | 13      |                      |          | 200 ppbv | 200µl      | 1941   | 1941          | [Signature]   |              |           |

Signature: [Signature]

Date: 2/6/08

| 10           | 11           | 12      | 13     | 14    | 15  | 16      | 17   | 18  | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|--------------|--------------|---------|--------|-------|-----|---------|------|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| ✓            | ✓            |         |        |       |     |         |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| TD20614      | 15           |         |        |       |     |         |      |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| System Blank | REAL Level 2 | 35105   | Humid  | 25000 | 100 | 2/10/08 | 2019 | 25  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|              |              | 1576201 | 0.5ppm | 0.5ml | 100 |         | 8202 | for |    |    |    |    |    |    |    |    |    |    |    |    |    |    |

Comments: Flow controller # AA98123220

Flow meter # 200-7744, exp 8/27/08 Actual 25ml/min Nominal 229ml/min

*[Signature]*  
Signature

2/7/08  
Date

ION ABUNDANCE CRITERIA

| m/z | % REL. ABUNDANCE                                    |
|-----|---|
| 50  | 15.0 - 40.0% of mass 95                             |
| 75  | 30.0 - 60.0% of mass 95                             |
| 95  | Base peak, 100.00% relative abundance               |
| 96  | 5.0 - 9.0% of mass 95                               |
| 173 | Less than 2.0% of mass 174                          |
| 174 | Greater than 50.0% of mass 95                       |
| 175 | 5.0 - 9.0% of mass 174                              |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 |
| 177 | 5.0 - 9.0% of mass 176                              |

% REL. ABUNDANCE

BFB Injection Date: 2/7/08  
 BFB Injection Time: 09/8  
 BFB File ID: 6020701  
 Tekmar Purge Flow: 19.5ml/min  
 Vacuum: 4.24e-5  
 IS/S Std #: 1443-398 Exp. Date: 3/28/08  
 BCM: 357541  
 1,4-DFB: 1413414  
 CB-d5: 1290063  
 Verified CCV IS vs ICAL mid-point (-40%<sup>1</sup>) OK

Verify 176/174 m/z Ratio:  $\frac{1426273/1472051 \times 100}{100} = 96.56$

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

Calculation Check:

ppbv of compound =  $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{std}}} \times \text{Conc}_{\text{std}} \times \text{RRF}$

$\frac{(1382401)}{(1413414)} \times (25.0) \times (0.96300) = 25.391$

Reported Result: 25.391

| % | File # | Sample / Client Name | Can #    | Pressure | Amt Loaded | DF  | Date Analyzed | Time Analyzed | Review Init. | Comments    |
|---|--------|----------------------|----------|----------|------------|-----|---------------|---------------|--------------|-------------|
| ✓ | 020701 | BFB Time Check       | 176-65   | 500g     | 3ml        | 100 | 2/7/08        | 0918          | OK           |             |
| ✓ | 02     | CCV-1 (200ppb)       | 1576-261 | 50ppb    | 50ul       |     |               | 0941          | OK           | dot         |
| ✓ | 03     | CCV-1                | 1576-255 | 50ppb    | 50ul       |     |               | 1041          | OK           | dot ICM CCS |
|   | 04     | Gas Std (50ppm)      | 1576-14A | 250ppb   | 10ml       |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |
|   |        |                      |          |          |            |     |               |               |              |             |

Signature

Date: 2/7/08

### **Initial Calibration Narrative**

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

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

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

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

- a. anomalous unacceptable linearity for various compounds

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

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

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

| <b>Chlorobenzene-d5</b>   |
|---------------------------|
| <b>Target Compounds:</b>  |
| 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       |
| <b>Surrogates:</b>        |
| Bromofluorobenzene        |

Report Date: 07-Feb-2008 11:09

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

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

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

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

CONCENTRATIONS

ON-COL FINAL

| RT | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPEV) | ( PPBV) | TARGET RANGE | RATIO |
|----|--------|----------|-------|----------|---------|---------|--------------|-------|
| == | =====  | =====    | ===== | =====    | =====   | =====   | =====        | ===== |

\$ 113 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 18.199 | 18.199 | (1.165) | 100 | 938828 |  |  | 18.71- 118.71 | 67.60 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |         |         |        |               |        |
|--------|--------|---------|-----|---------|---------|--------|---------------|--------|
| 22.789 | 22.789 | (1.096) | 174 | 875940  | 26.2019 | 26.202 | 80.00- 120.00 | 100.00 |
| 22.789 | 22.789 | (1.096) | 95  | 1106906 |         |        | 72.28- 172.28 | 126.37 |
| 22.789 | 22.789 | (1.096) | 176 | 852956  |         |        | 45.76- 145.76 | 97.38  |

11 Propylene

CAS #: 115-07-1

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 5.812 | 5.785 | (0.419) | 41 | 613591 | 51.5112 | 51.511 | 80.00- 120.00 | 100.00 |
| 5.812 | 5.785 | (0.419) | 42 | 426221 |         |        | 17.96- 117.96 | 69.46  |
| 5.812 | 5.785 | (0.419) | 39 | 492845 |         |        | 33.44- 133.44 | 80.32  |

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

|       |       |         |    |         |         |        |               |        |
|-------|-------|---------|----|---------|---------|--------|---------------|--------|
| 5.923 | 5.895 | (0.427) | 85 | 3630724 | 51.0550 | 51.055 | 80.00- 120.00 | 100.00 |
| 5.923 | 5.895 | (0.427) | 87 | 1142768 |         |        | 0.00- 82.13   | 31.47  |

16 Freon 114

CAS #: 76-14-2

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 6.310 | 6.282 | (0.455) | 135 | 2403733 | 51.1334 | 51.133 | 80.00- 120.00 | 100.00 |
| 6.310 | 6.282 | (0.455) | 137 | 762741  |         |        | 0.00- 81.89   | 31.73  |

18 Chloromethane

CAS #: 74-87-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 6.558 | 6.531 | (0.473) | 50 | 747784 | 48.1651 | 48.165 | 80.00- 120.00 | 100.00 |
| 6.558 | 6.531 | (0.473) | 52 | 249680 |         |        | 0.00- 83.62   | 33.39  |

20 Vinyl Chloride

CAS #: 75-01-4

|       |       |         |    |         |         |        |               |        |
|-------|-------|---------|----|---------|---------|--------|---------------|--------|
| 6.890 | 6.863 | (0.497) | 62 | 1087955 | 51.0401 | 51.040 | 80.00- 120.00 | 100.00 |
| 6.890 | 6.863 | (0.497) | 64 | 353730  |         |        | 0.00- 89.61   | 32.51  |

22 1,3-Butadiene

CAS #: 106-99-0

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 6.973 | 6.946 | (0.503) | 54 | 820317 | 51.1387 | 51.139 | 80.00- 120.00 | 100.00 |
| 6.973 | 6.946 | (0.503) | 39 | 782893 |         |        | 53.33- 153.33 | 95.44  |

25 Bromomethane

CAS #: 74-83-9

|       |       |         |    |         |         |        |               |        |
|-------|-------|---------|----|---------|---------|--------|---------------|--------|
| 7.913 | 7.886 | (0.571) | 94 | 1069630 | 50.6811 | 50.681 | 80.00- 120.00 | 100.00 |
| 7.913 | 7.886 | (0.571) | 96 | 989108  |         |        | 42.77- 142.77 | 92.47  |

27 Chloroethane

CAS #: 75-00-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 8.190 | 8.162 | (0.591) | 64 | 588665 | 52.9526 | 52.952 | 80.00- 120.00 | 100.00 |
| 8.190 | 8.162 | (0.591) | 49 | 150442 |         |        | 0.00- 76.71   | 25.56  |
| 8.190 | 8.162 | (0.591) | 66 | 190911 |         |        | 0.00- 83.02   | 32.43  |

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 8.798 | 8.771 | (0.635) | 101 | 4126874 | 51.2618 | 51.262 | 80.00- 120.00 | 100.00 |
| 8.798 | 8.771 | (0.635) | 103 | 2651802 |         |        | 14.63- 114.63 | 64.26  |



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

| CONCENTRATIONS            |        |          |       |          |         |                 |                |        |  |  |
|---------------------------|--------|----------|-------|----------|---------|-----------------|----------------|--------|--|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPEV) | FINAL           | TARGET RANGE   | RATIO  |  |  |
| ==                        | =====  | =====    | ===== | =====    | =====   | =====           | =====          | =====  |  |  |
| 65 Hexane                 |        |          |       |          |         | CAS #: 110-54-3 |                |        |  |  |
| 11.895                    | 11.895 | (0.858)  | 57    | 1891161  | 57.7934 | 57.793          | 80.00- 120.00  | 100.00 |  |  |
| 11.895                    | 11.895 | (0.858)  | 43    | 1080305  |         |                 | 9.30- 109.30   | 57.12  |  |  |
| 11.895                    | 11.895 | (0.858)  | 86    | 341505   |         |                 | 0.00- 66.83    | 18.06  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 69 Vinyl Acetate          |        |          |       |          |         | CAS #: 108-05-4 |                |        |  |  |
| 12.365                    | 12.365 | (0.892)  | 86    | 348239   | 54.2809 | 54.281          | 80.00- 120.00  | 100.00 |  |  |
| 12.365                    | 12.337 | (0.892)  | 43    | 3106079  |         |                 | 832.23- 932.23 | 891.94 |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 70 1,1-Dichloroethane     |        |          |       |          |         | CAS #: 75-34-3  |                |        |  |  |
| 12.365                    | 12.365 | (0.892)  | 63    | 2630332  | 57.4518 | 57.452          | 80.00- 120.00  | 100.00 |  |  |
| 12.365                    | 12.365 | (0.892)  | 65    | 853608   |         |                 | 0.00- 82.30    | 32.45  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 75 2-Butanone             |        |          |       |          |         | CAS #: 78-93-3  |                |        |  |  |
| 13.388                    | 13.388 | (0.966)  | 72    | 646558   | 55.5063 | 55.506          | 80.00- 120.00  | 100.00 |  |  |
| 13.388                    | 13.388 | (0.966)  | 43    | 2171765  |         |                 | 282.56- 382.56 | 335.90 |  |  |
| 13.388                    | 13.388 | (0.966)  | 57    | 194672   |         |                 | 0.00- 79.56    | 30.11  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 76 cis-1,2-Dichloroethene |        |          |       |          |         | CAS #: 156-59-2 |                |        |  |  |
| 13.416                    | 13.416 | (0.968)  | 61    | 1740573  | 56.5020 | 56.502          | 80.00- 120.00  | 100.00 |  |  |
| 13.416                    | 13.416 | (0.968)  | 96    | 1385696  |         |                 | 31.20- 131.20  | 79.61  |  |  |
| 13.416                    | 13.416 | (0.968)  | 98    | 895062   |         |                 | 1.78- 101.78   | 51.42  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 80 Tetrahydrofuran        |        |          |       |          |         | CAS #: 109-99-9 |                |        |  |  |
| 13.858                    | 13.858 | (1.000)  | 42    | 1101132  | 56.0458 | 56.046          | 80.00- 120.00  | 100.00 |  |  |
| 13.858                    | 13.858 | (1.000)  | 71    | 583896   |         |                 | 2.70- 102.70   | 53.03  |  |  |
| 13.858                    | 13.858 | (1.000)  | 72    | 619526   |         |                 | 2.04- 102.04   | 56.26  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 82 Chloroform             |        |          |       |          |         | CAS #: 67-66-3  |                |        |  |  |
| 13.941                    | 13.941 | (1.006)  | 83    | 3047174  | 57.6082 | 57.608          | 80.00- 120.00  | 100.00 |  |  |
| 13.941                    | 13.941 | (1.006)  | 85    | 2012329  |         |                 | 15.21- 115.21  | 66.04  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 83 1,1,1-Trichloroethane  |        |          |       |          |         | CAS #: 71-55-6  |                |        |  |  |
| 14.273                    | 14.273 | (1.030)  | 97    | 3228969  | 55.1909 | 55.191          | 80.00- 120.00  | 100.00 |  |  |
| 14.273                    | 14.273 | (1.030)  | 99    | 2060721  |         |                 | 14.57- 114.57  | 63.82  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 85 Cyclohexane            |        |          |       |          |         | CAS #: 110-82-7 |                |        |  |  |
| 14.300                    | 14.301 | (1.032)  | 84    | 1772344  | 56.5763 | 56.576          | 80.00- 120.00  | 100.00 |  |  |
| 14.300                    | 14.301 | (1.032)  | 56    | 1739685  |         |                 | 49.56- 149.56  | 98.16  |  |  |
| 14.300                    | 14.301 | (1.032)  | 41    | 902671   |         |                 | 1.20- 101.20   | 50.93  |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 87 Carbon Tetrachloride   |        |          |       |          |         | CAS #: 56-23-5  |                |        |  |  |
| 14.549                    | 14.522 | (1.050)  | 119   | 2960464  | 52.6774 | 52.677          | 80.00- 120.00  | 100.00 |  |  |
| 14.549                    | 14.522 | (1.050)  | 117   | 3142043  |         |                 | 57.09- 157.09  | 106.13 |  |  |
| -----                     |        |          |       |          |         |                 |                |        |  |  |
| 89 2,2,4-Trimethylpentane |        |          |       |          |         | CAS #: 540-84-1 |                |        |  |  |
| 14.881                    | 14.881 | (1.074)  | 57    | 4200762  | 54.9970 | 54.997          | 80.00- 120.00  | 100.00 |  |  |

| CONCENTRATIONS                                |        |          |       |          |                |               |                |        |  |
|---|--------|----------|-------|----------|----------------|---------------|----------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====  |  |
| 89 2,2,4-Trimethylpentane (continued)         |        |          |       |          |                |               |                |        |  |
| 14.881  | 14.881 | (1.074)  | 56    | 1354857  |                |               | 0.00- 82.82    | 32.25  |  |
| 14.881  | 14.881 | (1.074)  | 41    | 1075995  |                |               | 0.00- 78.43    | 25.61  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 91 Benzene CAS #: 71-43-2                     |        |          |       |          |                |               |                |        |  |
| 14.964  | 14.964 | (0.958)  | 78    | 3843383  | 53.4243        | 53.424        | 80.00- 120.00  | 100.00 |  |
| 14.964  | 14.964 | (0.958)  | 77    | 887809   |                |               | 0.00- 73.50    | 23.10  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                |               |                |        |  |
| 15.075  | 15.075 | (0.965)  | 62    | 1887283  | 53.7716        | 53.772        | 80.00- 120.00  | 100.00 |  |
| 15.075  | 15.075 | (0.965)  | 64    | 614030   |                |               | 0.00- 84.23    | 32.54  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                |               |                |        |  |
| 15.185  | 15.185 | (0.972)  | 71    | 1130162  | 55.4972        | 55.497        | 80.00- 120.00  | 100.00 |  |
| 15.185  | 15.185 | (0.972)  | 43    | 1515301  |                |               | 85.70- 185.70  | 134.08 |  |
| 15.185  | 15.185 | (0.972)  | 57    | 927126   |                |               | 28.72- 128.72  | 82.03  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                |               |                |        |  |
| 16.070  | 16.070 | (1.028)  | 95    | 1648538  | 53.5021        | 53.502        | 80.00- 120.00  | 100.00 |  |
| 16.098  | 16.070 | (1.030)  | 130   | 1512857  |                |               | 41.36- 141.36  | 91.77  |  |
| 16.070  | 16.070 | (1.028)  | 97    | 1054939  |                |               | 13.70- 113.70  | 63.99  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                |               |                |        |  |
| 16.568  | 16.568 | (1.060)  | 63    | 1289567  | 53.1277        | 53.128        | 80.00- 120.00  | 100.00 |  |
| 16.568  | 16.568 | (1.060)  | 62    | 932367   |                |               | 22.07- 122.07  | 72.30  |  |
| 16.568  | 16.568 | (1.060)  | 41    | 714853   |                |               | 6.80- 106.80   | 55.43  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                |               |                |        |  |
| 16.678  | 16.678 | (1.067)  | 88    | 909360   | 51.1825        | 51.182        | 80.00- 120.00  | 100.00 |  |
| 16.678  | 16.678 | (1.067)  | 58    | 520290   |                |               | 7.38- 107.38   | 57.21  |  |
| 16.678  | 16.678 | (1.067)  | 57    | 184864   |                |               | 0.00- 71.19    | 20.33  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                |               |                |        |  |
| 16.982  | 16.983 | (1.087)  | 83    | 2955752  | 53.6010        | 53.601        | 80.00- 120.00  | 100.00 |  |
| 16.982  | 16.983 | (1.087)  | 85    | 1906864  |                |               | 14.75- 114.75  | 64.51  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                |               |                |        |  |
| 17.784  | 17.784 | (1.138)  | 75    | 2055925  | 55.5852        | 55.585        | 80.00- 120.00  | 100.00 |  |
| 17.784  | 17.784 | (1.138)  | 77    | 662734   |                |               | 0.00- 81.51    | 32.24  |  |
| 17.784  | 17.784 | (1.138)  | 39    | 920517   |                |               | 0.00- 94.39    | 44.77  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                |               |                |        |  |
| 17.950  | 17.950 | (1.149)  | 58    | 970511   | 57.7496        | 57.750        | 80.00- 120.00  | 100.00 |  |
| 17.950  | 17.950 | (1.149)  | 43    | 2207573  |                |               | 175.34- 275.34 | 227.47 |  |
| 17.978  | 17.978 | (1.150)  | 85    | 478187   |                |               | 0.64- 100.64   | 49.27  |  |
| -----   |        |          |       |          |                |               |                |        |  |

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

CONCENTRATIONS

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

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

Report Date: 07-Feb-2008 11:09

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 07-FEB-2008

Lab File ID: t020703.d

Calibration Time: 09:41

Lab Smp Id: LCS-1

Client Smp ID: LCS-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/07Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 50ppbv

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

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

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

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



Report Date: 07-Feb-2008 11:09

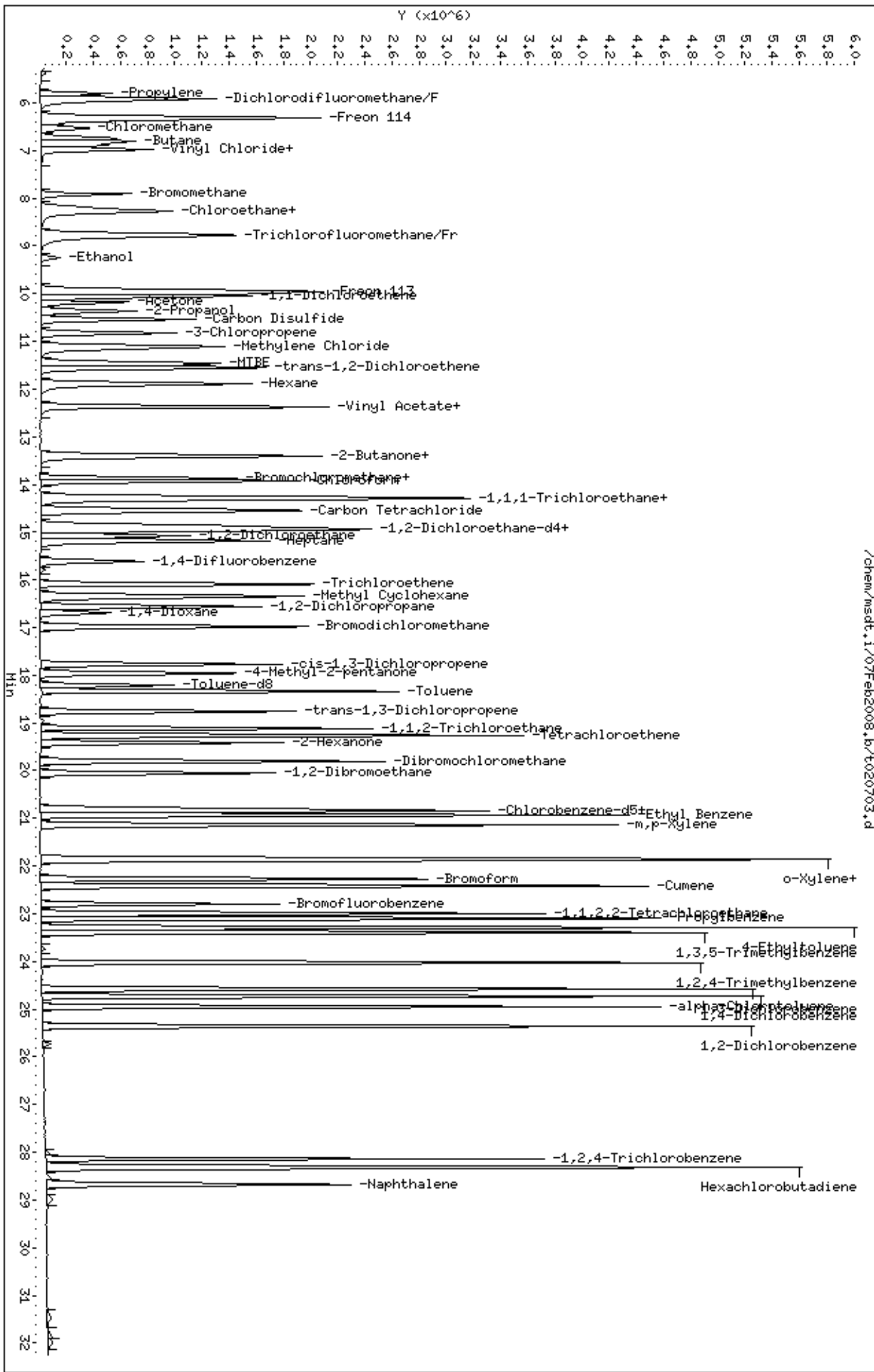
| SPIKE COMPOUND         | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|------------------------|-----------------------|---------------------------|----------------|--------|
| 107 Bromodichlorometha | 50.000                | 53.601                    | 107.20     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

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

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

Column phase: RTX-624

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



/chem/msdt,i/07Feb2008,b/t020703.d

Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020607.d  
 Lab Smp Id: ICAL Client Smp ID: Level 1  
 Inj Date : 06-FEB-2008 14:27  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 0.2ml #1576-261  
 Misc Info : 200ppbv -> 0.2ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 14:27 Cal File: t020607.d  
 Als bottle: 1 Calibration Sample, Level: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AFCEElow.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |               |        |  |
|---|--------|----------|-------|----------|---------|--------|---------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====         | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |               |        |  |
| 13.858  | 13.858 | (1.000)  | 130   | 332370   | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 13.858  | 13.858 | (1.000)  | 128   | 254115   |         |        | 26.39- 126.39 | 76.46  |  |
| 13.858  | 13.858 | (1.000)  | 49    | 379355   |         |        | 99.95- 199.95 | 114.14 |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |               |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1144843  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 188070   |         |        | 0.00- 66.12   | 16.43  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |               |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1006037  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 576806   |         |        | 6.72- 106.72  | 57.33  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |               |        |  |
| 14.937  | 14.937 | (1.078)  | 65    | 505401   | 25.0000 | 23.632 | 50.00- 150.00 | 100.00 |  |
| 14.937  | 14.937 | (1.078)  | 67    | 247783   |         |        | 3.57- 103.57  | 49.03  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |               |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1079766  | 25.0000 | 24.485 | 50.00- 150.00 | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 125347   |         |        | 0.00- 61.29   | 11.61  |  |

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

QC Flag Legend

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020607.d

Calibration Time: 14:27

Lab Smp Id: ICAL

Client Smp ID: Level 1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 0.2ppbv

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

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/06Feb2008,b/t020607.d

Date : 06-FEB-2008 14:27

Client ID: Level 1

Sample Info: 0.2ml #1576-261

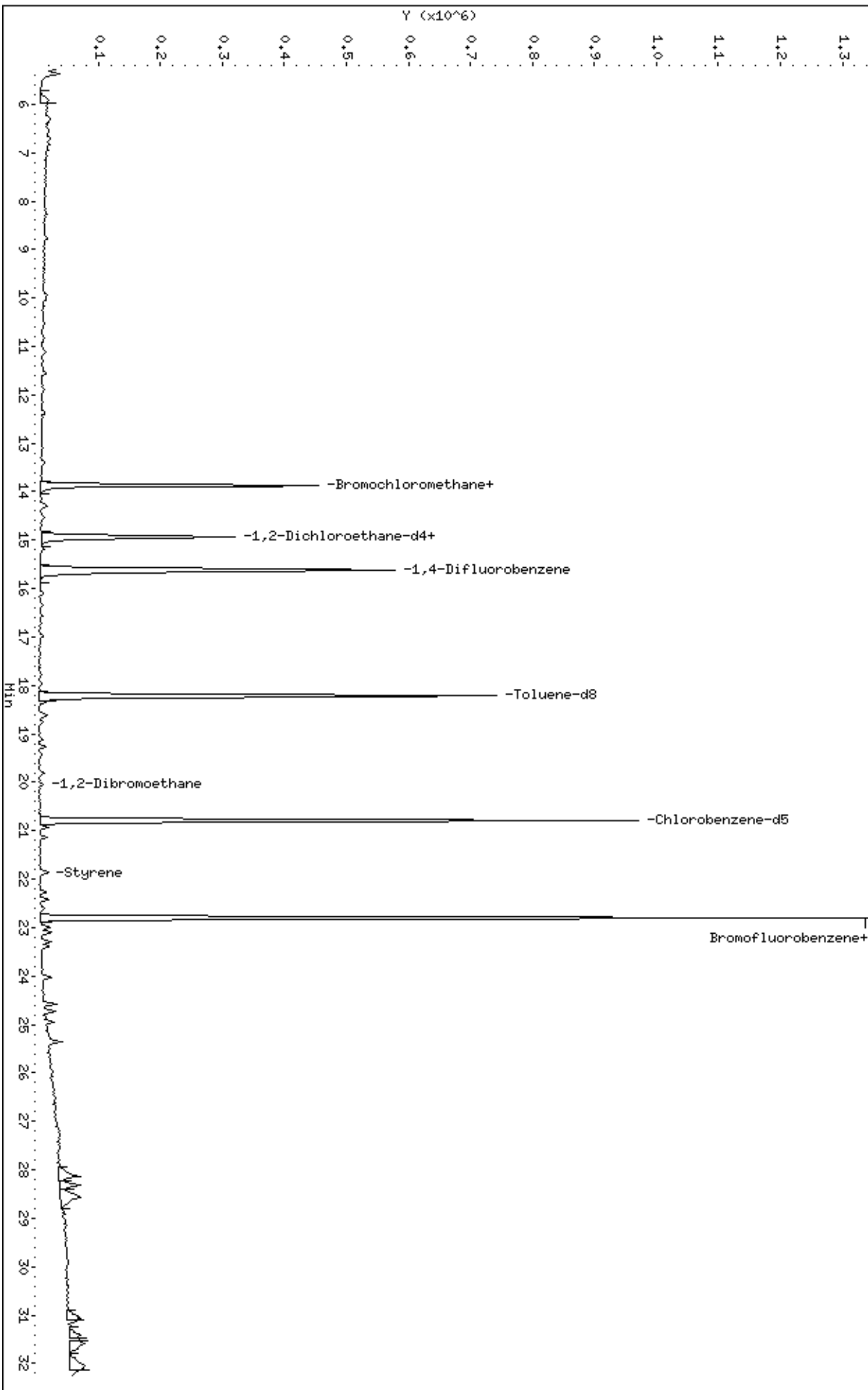
Column phase: RTX-624

Instrument: msdt,i

Operator: sjr

Column diameter: 0.53

/chem/msdt,i/06Feb2008,b/t020607.d



Report Date: 07-Feb-2008 08:40

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020615.d  
 Lab Smp Id: ICAL Client Smp ID: Level 2  
 Inj Date : 06-FEB-2008 22:02  
 Operator : srs Inst ID: msdt.i  
 Smp Info : 0.5mL #1576-261  
 Misc Info : 200ppbv -> 0.5ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:40 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04low+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |               |        |  |
|---|--------|----------|-------|----------|---------|--------|---------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====         | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |               |        |  |
| 13.886  | 13.886 | (1.000)  | 130   | 359684   | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 13.886  | 13.886 | (1.000)  | 128   | 275976   |         |        | 26.39- 126.39 | 76.73  |  |
| 13.858  | 13.858 | (1.000)  | 49    | 409784   |         |        | 99.95- 199.95 | 113.93 |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |               |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1311527  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 209950   |         |        | 0.00- 66.12   | 16.01  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |               |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1165188  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 664676   |         |        | 6.72- 106.72  | 57.04  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |               |        |  |
| 14.936  | 14.936 | (1.076)  | 65    | 550238   | 25.0000 | 23.774 | 50.00- 150.00 | 100.00 |  |
| 14.936  | 14.936 | (1.076)  | 67    | 270699   |         |        | 3.57- 103.57  | 49.20  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |               |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1259013  | 25.0000 | 24.921 | 50.00- 150.00 | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 132880   |         |        | 0.00- 61.29   | 10.55  |  |

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



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

| AMOUNTS |                         |          |       |          |                 |                |               |           |  |
|---------|-------------------------|----------|-------|----------|-----------------|----------------|---------------|-----------|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====          | =====         | =====     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 83      | 1,1,1-Trichloroethane   |          |       |          |                 | CAS #:         | 71-55-6       |           |  |
| 14.273  | 14.273                  | (1.028)  | 97    | 18476    | 0.50000         | 0.3198         | 50.00- 150.00 | 100.00(a) |  |
| 14.300  | 14.300                  | (1.030)  | 99    | 14551    |                 |                | 17.45- 117.45 | 78.76     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 85      | Cyclohexane             |          |       |          |                 | CAS #:         | 110-82-7      |           |  |
| 14.300  | 14.300                  | (1.030)  | 84    | 9788     | 0.50000         | 0.3164         | 50.00- 150.00 | 100.00(a) |  |
| 14.328  | 14.328                  | (1.032)  | 56    | 9199     |                 |                | 47.55- 147.55 | 93.98     |  |
| 14.300  | 14.300                  | (1.030)  | 41    | 6425     |                 |                | 5.12- 105.12  | 65.64     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 87      | Carbon Tetrachloride    |          |       |          |                 | CAS #:         | 56-23-5       |           |  |
| 14.522  | 14.522                  | (1.046)  | 119   | 19411    | 0.50000         | 0.3497         | 50.00- 150.00 | 100.00(a) |  |
| 14.549  | 14.549                  | (1.048)  | 117   | 18547    |                 |                | 53.78- 153.78 | 95.55     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 91      | Benzene                 |          |       |          |                 | CAS #:         | 71-43-2       |           |  |
| 14.964  | 14.964                  | (0.958)  | 78    | 23133    | 0.50000         | 0.3528         | 50.00- 150.00 | 100.00(a) |  |
| 14.964  | 14.964                  | (0.958)  | 77    | 5786     |                 |                | 0.00- 73.50   | 25.01     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 89      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #:         | 540-84-1      |           |  |
| 14.881  | 14.881                  | (1.072)  | 57    | 22814    | 0.50000         | 0.3024         | 50.00- 150.00 | 100.00(a) |  |
| 14.881  | 14.881                  | (1.072)  | 56    | 7722     |                 |                | 0.00- 82.82   | 33.85     |  |
| 14.881  | 14.881                  | (1.072)  | 41    | 7717     |                 |                | 0.00- 78.43   | 33.83     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 93      | 1,2-Dichloroethane      |          |       |          |                 | CAS #:         | 107-06-2      |           |  |
| 15.075  | 15.075                  | (0.965)  | 62    | 11720    | 0.50000         | 0.3664         | 50.00- 150.00 | 100.00(a) |  |
| 15.075  | 15.075                  | (0.965)  | 64    | 4807     |                 |                | 0.00- 84.23   | 41.02     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 94      | Heptane                 |          |       |          |                 | CAS #:         | 142-82-5      |           |  |
| 15.185  | 15.185                  | (0.972)  | 71    | 5821     | 0.50000         | 0.3136         | 50.00- 150.00 | 100.00(a) |  |
| 15.185  | 15.185                  | (0.972)  | 43    | 7881     |                 |                | 85.70- 185.70 | 135.39    |  |
| 15.185  | 15.185                  | (0.972)  | 57    | 4021     |                 |                | 28.72- 128.72 | 69.08     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 101     | Trichloroethene         |          |       |          |                 | CAS #:         | 79-01-6       |           |  |
| 16.098  | 16.098                  | (1.030)  | 95    | 9076     | 0.50000         | 0.3232         | 50.00- 150.00 | 100.00(a) |  |
| 16.098  | 16.098                  | (1.030)  | 130   | 8832     |                 |                | 42.94- 142.94 | 97.31     |  |
| 16.098  | 16.098                  | (1.030)  | 97    | 5670     |                 |                | 13.25- 113.25 | 62.47     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 104     | 1,2-Dichloropropane     |          |       |          |                 | CAS #:         | 78-87-5       |           |  |
| 16.568  | 16.568                  | (1.060)  | 63    | 7759     | 0.50000         | 0.3507         | 50.00- 150.00 | 100.00(a) |  |
| 16.568  | 16.568                  | (1.060)  | 62    | 5454     |                 |                | 21.32- 121.32 | 70.29     |  |
| 16.568  | 16.568                  | (1.060)  | 41    | 5773     |                 |                | 8.96- 108.96  | 74.40     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 107     | Bromodichloromethane    |          |       |          |                 | CAS #:         | 75-27-4       |           |  |
| 17.010  | 17.010                  | (1.088)  | 83    | 16254    | 0.50000         | 0.3234         | 50.00- 150.00 | 100.00(a) |  |
| 16.983  | 16.983                  | (1.087)  | 85    | 9643     |                 |                | 13.51- 113.51 | 59.33     |  |
| -----   |                         |          |       |          |                 |                |               |           |  |
| 110     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #:         | 10061-01-5    |           |  |
| 17.784  | 17.784                  | (1.138)  | 75    | 10176    | 0.50000         | 0.3019         | 50.00- 150.00 | 100.00(a) |  |

| AMOUNTS   |        |          |       |          |                 |                |                |           |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 110 cis-1,3-Dichloropropene (continued)         |        |          |       |          |                 |                |                |           |  |
| 17.784  | 17.784 | (1.138)  | 77    | 4424     |                 |                | 0.00- 84.89    | 43.47     |  |
| 17.784  | 17.784 | (1.138)  | 39    | 5484     |                 |                | 0.00- 97.13    | 53.89     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1        |        |          |       |          |                 |                |                |           |  |
| 17.978  | 17.978 | (1.150)  | 58    | 3680     | 0.50000         | 0.2403         | 50.00- 150.00  | 100.00(a) |  |
| 17.978  | 17.978 | (1.150)  | 43    | 7232     |                 |                | 175.34- 275.34 | 196.52    |  |
| 17.950  | 17.950 | (1.149)  | 85    | 1899     |                 |                | 0.64- 100.64   | 51.60     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 114 Toluene CAS #: 108-88-3                     |        |          |       |          |                 |                |                |           |  |
| 18.337  | 18.337 | (1.173)  | 91    | 21271    | 0.50000         | 0.3042         | 50.00- 150.00  | 100.00(a) |  |
| 18.337  | 18.337 | (1.173)  | 92    | 13947    |                 |                | 11.62- 111.62  | 65.57     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 116 trans-1,3-Dichloropropene CAS #: 10061-02-6 |        |          |       |          |                 |                |                |           |  |
| 18.780  | 18.780 | (0.903)  | 75    | 11178    | 0.50000         | 0.3035         | 50.00- 150.00  | 100.00(a) |  |
| 18.780  | 18.780 | (0.903)  | 77    | 3382     |                 |                | 0.00- 81.86    | 30.26     |  |
| 18.780  | 18.780 | (0.903)  | 39    | 4867     |                 |                | 0.00- 91.58    | 43.54     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 117 1,1,2-Trichloroethane CAS #: 79-00-5        |        |          |       |          |                 |                |                |           |  |
| 19.111  | 19.111 | (0.919)  | 97    | 8142     | 0.50000         | 0.3068         | 50.00- 150.00  | 100.00(a) |  |
| 19.111  | 19.111 | (0.919)  | 99    | 5361     |                 |                | 13.21- 113.21  | 65.84     |  |
| 19.111  | 19.111 | (0.919)  | 83    | 7611     |                 |                | 35.76- 135.76  | 93.48     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 120 Tetrachloroethene CAS #: 127-18-4           |        |          |       |          |                 |                |                |           |  |
| 19.277  | 19.277 | (0.927)  | 166   | 11480    | 0.50000         | 0.3228         | 50.00- 150.00  | 100.00(a) |  |
| 19.277  | 19.277 | (0.927)  | 129   | 7435     |                 |                | 19.36- 119.36  | 64.76     |  |
| 19.277  | 19.277 | (0.927)  | 131   | 7336     |                 |                | 16.43- 116.43  | 63.90     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 122 Dibromochloromethane CAS #: 124-48-1        |        |          |       |          |                 |                |                |           |  |
| 19.803  | 19.803 | (0.952)  | 129   | 12573    | 0.50000         | 0.2782         | 50.00- 150.00  | 100.00(a) |  |
| 19.803  | 19.803 | (0.952)  | 127   | 10083    |                 |                | 28.82- 128.82  | 80.20     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 123 1,2-Dibromoethane CAS #: 106-93-4           |        |          |       |          |                 |                |                |           |  |
| 20.079  | 20.079 | (0.965)  | 107   | 13043    | 0.50000         | 0.3089         | 50.00- 150.00  | 100.00(a) |  |
| 20.079  | 20.079 | (0.965)  | 109   | 12513    |                 |                | 46.68- 146.68  | 95.94     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 127 Chlorobenzene CAS #: 108-90-7               |        |          |       |          |                 |                |                |           |  |
| 20.853  | 20.853 | (1.003)  | 112   | 20858    | 0.50000         | 0.3404         | 50.00- 150.00  | 100.00(a) |  |
| 20.853  | 20.853 | (1.003)  | 114   | 7591     |                 |                | 0.00- 82.06    | 36.39     |  |
| 20.853  | 20.853 | (1.003)  | 77    | 22391    |                 |                | 22.53- 122.53  | 107.35    |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 128 Ethyl Benzene CAS #: 100-41-4               |        |          |       |          |                 |                |                |           |  |
| 20.936  | 20.936 | (1.007)  | 106   | 9559     | 0.50000         | 0.3011         | 50.00- 150.00  | 100.00(a) |  |
| 20.936  | 20.936 | (1.007)  | 91    | 30384    |                 |                | 269.96- 369.96 | 317.86    |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 129 m,p-Xylene CAS #: 108-38-3                  |        |          |       |          |                 |                |                |           |  |
| 21.130  | 21.130 | (1.016)  | 106   | 10501    | 0.50000         | 0.2627         | 50.00- 150.00  | 100.00(a) |  |

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

| AMOUNTS |                     |          |       |          |         |        |          |              |           |
|---------|---------------------|----------|-------|----------|---------|--------|----------|--------------|-----------|
| RT      | EXP RT              | (REL RT) | MASS  | RESPONSE | ( PPEV) | ON-COL | ( PPBV)  | TARGET RANGE | RATIO     |
| ==      | =====               | =====    | ===== | =====    | =====   | =====  | =====    | =====        | =====     |
| -----   |                     |          |       |          |         |        |          |              |           |
| 156     | 1,4-Dichlorobenzene |          |       |          |         | CAS #: | 106-46-7 |              |           |
| 24.724  | 24.724              | (1.189)  | 146   | 20052    | 0.50000 | 0.2914 | 50.00-   | 150.00       | 100.00(a) |
| 24.724  | 24.724              | (1.189)  | 148   | 14332    |         |        | 16.09-   | 116.09       | 71.47     |
| 24.724  | 24.724              | (1.189)  | 111   | 8007     |         |        | 0.00-    | 90.13        | 39.93     |
| -----   |                     |          |       |          |         |        |          |              |           |
| 159     | alpha-Chlorotoluene |          |       |          |         | CAS #: | 100-44-7 |              |           |
| 24.946  | 24.946              | (1.199)  | 91    | 23853    | 0.50000 | 0.2397 | 50.00-   | 150.00       | 100.00(a) |
| 24.946  | 24.946              | (1.199)  | 126   | 4759     |         |        | 0.00-    | 69.28        | 19.95     |
| -----   |                     |          |       |          |         |        |          |              |           |
| 161     | 1,2-Dichlorobenzene |          |       |          |         | CAS #: | 95-50-1  |              |           |
| 25.360  | 25.360              | (1.219)  | 146   | 18613    | 0.50000 | 0.2857 | 50.00-   | 150.00       | 100.00(a) |
| 25.360  | 25.360              | (1.219)  | 148   | 12636    |         |        | 15.85-   | 115.85       | 67.89     |
| 25.360  | 25.360              | (1.219)  | 111   | 8799     |         |        | 0.00-    | 94.46        | 47.27     |
| -----   |                     |          |       |          |         |        |          |              |           |
| 102     | Methyl Cyclohexane  |          |       |          |         | CAS #: | 108-87-2 |              |           |
| 16.347  | 16.347              | (1.177)  | 83    | 11034    | 0.50000 | 0.3012 | 50.00-   | 150.00       | 100.00(a) |
| 16.347  | 16.347              | (1.177)  | 98    | 5077     |         |        | 0.00-    | 95.22        | 46.01     |
| 16.347  | 16.347              | (1.177)  | 55    | 8471     |         |        | 20.82-   | 120.82       | 76.77     |
| -----   |                     |          |       |          |         |        |          |              |           |

QC Flag Legend

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

Report Date: 07-Feb-2008 08:40

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020615.d

Calibration Time: 17:13

Lab Smp Id: ICAL

Client Smp ID: Level 2

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 0.5ppbv

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

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/06Feb2008,b/t020615.d

Date: 06-FEB-2008 22:02

Client ID: Level 2

Sample Info: 0.5mL #1576-261

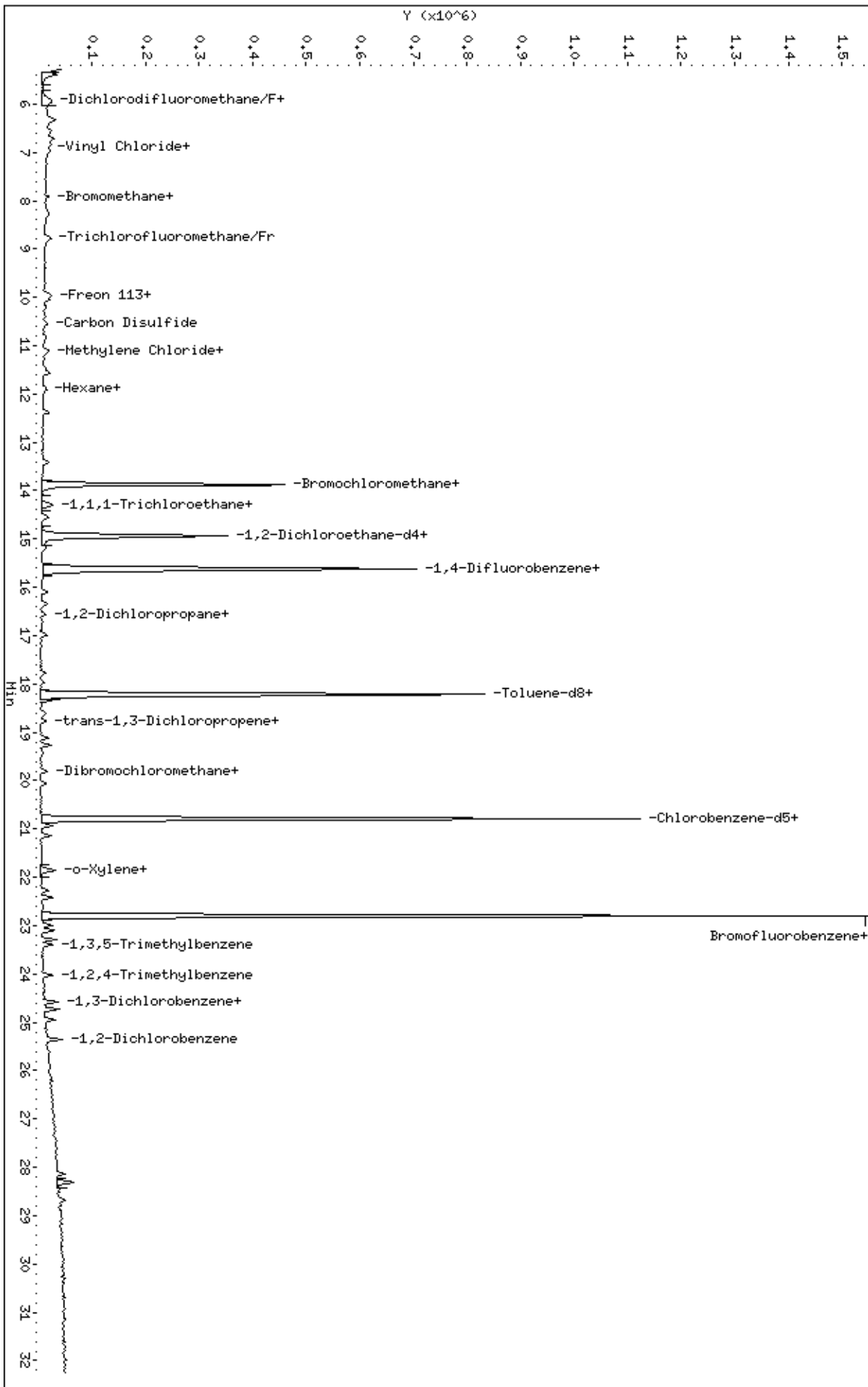
Column phase: RTX-624

Instrument: msdt,i

Operator: srs

Column diameter: 0.53

/chem/msdt,i/06Feb2008,b/t020615.d



Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020609.d  
 Lab Smp Id: ICAL Client Smp ID: Level 3  
 Inj Date : 06-FEB-2008 15:52  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 2.0ml #1576-261  
 Misc Info : 200ppbv -> 2.0ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 15:52 Cal File: t020609.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |         |        |               |        |
|---|--------|----------|-------|----------|---------|---------|--------|---------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPBV) | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====         | =====  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |               |        |
| 13.858  | 13.858 | (1.000)  | 130   | 335688   | 25.0000 |         |        | 50.00- 150.00 | 100.00 |
| 13.858  | 13.858 | (1.000)  | 128   | 253015   |         |         |        | 26.39- 126.39 | 75.37  |
| 13.858  | 13.858 | (1.000)  | 49    | 393871   |         |         |        | 99.95- 199.95 | 117.33 |
| -----   |        |          |       |          |         |         |        |               |        |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |               |        |
| 15.628  | 15.628 | (1.000)  | 114   | 1208496  | 25.0000 |         |        | 50.00- 150.00 | 100.00 |
| 15.628  | 15.628 | (1.000)  | 88    | 195592   |         |         |        | 0.00- 66.12   | 16.18  |
| -----   |        |          |       |          |         |         |        |               |        |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |               |        |
| 20.798  | 20.798 | (1.000)  | 117   | 1074623  | 25.0000 |         |        | 50.00- 150.00 | 100.00 |
| 20.798  | 20.798 | (1.000)  | 82    | 603306   |         |         |        | 6.72- 106.72  | 56.14  |
| -----   |        |          |       |          |         |         |        |               |        |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |               |        |
| 14.936  | 14.936 | (1.078)  | 65    | 504523   | 25.0000 | 23.357  |        | 50.00- 150.00 | 100.00 |
| 14.936  | 14.936 | (1.078)  | 67    | 255336   |         |         |        | 3.57- 103.57  | 50.61  |
| -----   |        |          |       |          |         |         |        |               |        |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |               |        |
| 18.199  | 18.199 | (1.165)  | 98    | 1147306  | 25.0000 | 24.646  |        | 50.00- 150.00 | 100.00 |
| 18.199  | 18.199 | (1.165)  | 70    | 135898   |         |         |        | 0.00- 61.29   | 11.84  |



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

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

| AMOUNTS                   |        |          |      |          |                 |                |              |        |           |  |
|---------------------------|--------|----------|------|----------|-----------------|----------------|--------------|--------|-----------|--|
| RT                        | EXP RT | (REL RT) | MASS | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |           |  |
| ==                        | =====  | =====    | ==== | =====    | =====           | =====          | =====        | =====  |           |  |
| 65 Hexane                 |        |          |      |          |                 | CAS #:         | 110-54-3     |        |           |  |
| 11.895                    | 11.895 | (0.858)  | 57   | 47780    | 2.00000         | 1.584          | 50.00-       | 150.00 | 100.00    |  |
| 11.895                    | 11.895 | (0.858)  | 43   | 27530    |                 |                | 9.30-        | 109.30 | 57.62     |  |
| 11.895                    | 11.895 | (0.858)  | 86   | 8949     |                 |                | 0.00-        | 66.83  | 18.73     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 69 Vinyl Acetate          |        |          |      |          |                 | CAS #:         | 108-05-4     |        |           |  |
| 12.365                    | 12.365 | (0.892)  | 86   | 8827     | 2.00000         | 1.493          | 50.00-       | 150.00 | 100.00(a) |  |
| 12.365                    | 12.365 | (0.892)  | 43   | 72295    |                 |                | 832.23-      | 932.23 | 819.02    |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 70 1,1-Dichloroethane     |        |          |      |          |                 | CAS #:         | 75-34-3      |        |           |  |
| 12.365                    | 12.365 | (0.892)  | 63   | 75018    | 2.00000         | 1.778          | 50.00-       | 150.00 | 100.00    |  |
| 12.365                    | 12.365 | (0.892)  | 65   | 22968    |                 |                | 0.00-        | 82.79  | 30.62     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 75 2-Butanone             |        |          |      |          |                 | CAS #:         | 78-93-3      |        |           |  |
| 13.388                    | 13.388 | (0.966)  | 72   | 17305    | 2.00000         | 1.612          | 50.00-       | 150.00 | 100.00    |  |
| 13.388                    | 13.388 | (0.966)  | 43   | 54370    |                 |                | 275.22-      | 375.22 | 314.19    |  |
| 13.388                    | 13.388 | (0.966)  | 57   | 5456     |                 |                | 0.00-        | 79.56  | 31.53     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 76 cis-1,2-Dichloroethene |        |          |      |          |                 | CAS #:         | 156-59-2     |        |           |  |
| 13.416                    | 13.416 | (0.968)  | 61   | 49131    | 2.00000         | 1.730          | 50.00-       | 150.00 | 100.00    |  |
| 13.416                    | 13.416 | (0.968)  | 96   | 40888    |                 |                | 27.39-       | 127.39 | 83.22     |  |
| 13.416                    | 13.416 | (0.968)  | 98   | 25507    |                 |                | 0.96-        | 100.96 | 51.92     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 80 Tetrahydrofuran        |        |          |      |          |                 | CAS #:         | 109-99-9     |        |           |  |
| 13.858                    | 13.858 | (1.000)  | 42   | 29321    | 2.00000         | 1.619          | 50.00-       | 150.00 | 100.00    |  |
| 13.886                    | 13.886 | (1.002)  | 71   | 14128    |                 |                | 0.00-        | 99.16  | 48.18     |  |
| 13.858                    | 13.858 | (1.000)  | 72   | 15805    |                 |                | 2.04-        | 102.04 | 53.90     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 82 Chloroform             |        |          |      |          |                 | CAS #:         | 67-66-3      |        |           |  |
| 13.941                    | 13.941 | (1.006)  | 83   | 92125    | 2.00000         | 1.890          | 50.00-       | 150.00 | 100.00    |  |
| 13.941                    | 13.941 | (1.006)  | 85   | 57968    |                 |                | 16.43-       | 116.43 | 62.92     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 83 1,1,1-Trichloroethane  |        |          |      |          |                 | CAS #:         | 71-55-6      |        |           |  |
| 14.273                    | 14.273 | (1.030)  | 97   | 97885    | 2.00000         | 1.815          | 50.00-       | 150.00 | 100.00    |  |
| 14.273                    | 14.273 | (1.030)  | 99   | 63207    |                 |                | 17.45-       | 117.45 | 64.57     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 85 Cyclohexane            |        |          |      |          |                 | CAS #:         | 110-82-7     |        |           |  |
| 14.300                    | 14.300 | (1.032)  | 84   | 46052    | 2.00000         | 1.595          | 50.00-       | 150.00 | 100.00    |  |
| 14.300                    | 14.300 | (1.032)  | 56   | 44767    |                 |                | 47.55-       | 147.55 | 97.21     |  |
| 14.300                    | 14.300 | (1.032)  | 41   | 25199    |                 |                | 5.12-        | 105.12 | 54.72     |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 87 Carbon Tetrachloride   |        |          |      |          |                 | CAS #:         | 56-23-5      |        |           |  |
| 14.549                    | 14.549 | (1.050)  | 119  | 92572    | 2.00000         | 1.787          | 50.00-       | 150.00 | 100.00    |  |
| 14.549                    | 14.549 | (1.050)  | 117  | 96223    |                 |                | 53.78-       | 153.78 | 103.94    |  |
| -----                     |        |          |      |          |                 |                |              |        |           |  |
| 91 Benzene                |        |          |      |          |                 | CAS #:         | 71-43-2      |        |           |  |
| 14.964                    | 14.964 | (0.958)  | 78   | 113789   | 2.00000         | 1.883          | 50.00-       | 150.00 | 100.00    |  |

| AMOUNTS                                       |        |          |       |          |                 |                |                |           |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 91 Benzene (continued)                        |        |          |       |          |                 |                |                |           |  |
| 14.964  | 14.964 | (0.958)  | 77    | 26346    |                 |                | 0.00- 73.50    | 23.15     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 89 2,2,4-Trimethylpentane CAS #: 540-84-1     |        |          |       |          |                 |                |                |           |  |
| 14.881  | 14.881 | (1.074)  | 57    | 112642   | 2.00000         | 1.600          | 50.00- 150.00  | 100.00    |  |
| 14.881  | 14.881 | (1.074)  | 56    | 37981    |                 |                | 0.00- 82.82    | 33.72     |  |
| 14.881  | 14.881 | (1.074)  | 41    | 33953    |                 |                | 0.00- 78.43    | 30.14     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                 |                |                |           |  |
| 15.075  | 15.075 | (0.965)  | 62    | 55658    | 2.00000         | 1.888          | 50.00- 150.00  | 100.00    |  |
| 15.075  | 15.075 | (0.965)  | 64    | 18886    |                 |                | 0.00- 84.23    | 33.93     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                 |                |                |           |  |
| 15.185  | 15.185 | (0.972)  | 71    | 28458    | 2.00000         | 1.664          | 50.00- 150.00  | 100.00    |  |
| 15.185  | 15.185 | (0.972)  | 43    | 38964    |                 |                | 85.70- 185.70  | 136.92    |  |
| 15.185  | 15.185 | (0.972)  | 57    | 22207    |                 |                | 28.72- 128.72  | 78.03     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                 |                |                |           |  |
| 16.098  | 16.098 | (1.030)  | 95    | 47821    | 2.00000         | 1.848          | 50.00- 150.00  | 100.00    |  |
| 16.098  | 16.098 | (1.030)  | 130   | 44019    |                 |                | 42.94- 142.94  | 92.05     |  |
| 16.098  | 16.098 | (1.030)  | 97    | 30818    |                 |                | 13.25- 113.25  | 64.44     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                 |                |                |           |  |
| 16.568  | 16.568 | (1.060)  | 63    | 36803    | 2.00000         | 1.805          | 50.00- 150.00  | 100.00    |  |
| 16.568  | 16.568 | (1.060)  | 62    | 26650    |                 |                | 21.32- 121.32  | 72.41     |  |
| 16.568  | 16.568 | (1.060)  | 41    | 20186    |                 |                | 8.96- 108.96   | 54.85     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                 |                |                |           |  |
| 16.706  | 16.706 | (1.069)  | 88    | 23425    | 2.00000         | 1.570          | 50.00- 150.00  | 100.00(a) |  |
| 16.678  | 16.678 | (1.067)  | 58    | 14454    |                 |                | 9.36- 109.36   | 61.70     |  |
| 16.706  | 16.706 | (1.069)  | 57    | 5506     |                 |                | 0.00- 71.19    | 23.50     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                 |                |                |           |  |
| 16.982  | 16.982 | (1.087)  | 83    | 85032    | 2.00000         | 1.836          | 50.00- 150.00  | 100.00    |  |
| 17.010  | 17.010 | (1.088)  | 85    | 56563    |                 |                | 13.51- 113.51  | 66.52     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                 |                |                |           |  |
| 17.784  | 17.784 | (1.138)  | 75    | 51480    | 2.00000         | 1.657          | 50.00- 150.00  | 100.00    |  |
| 17.784  | 17.784 | (1.138)  | 77    | 17678    |                 |                | 0.00- 84.89    | 34.34     |  |
| 17.784  | 17.784 | (1.138)  | 39    | 24641    |                 |                | 0.00- 97.13    | 47.87     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                 |                |                |           |  |
| 17.978  | 17.978 | (1.150)  | 58    | 20175    | 2.00000         | 1.430          | 50.00- 150.00  | 100.00    |  |
| 17.978  | 17.978 | (1.150)  | 43    | 50030    |                 |                | 175.34- 275.34 | 247.98    |  |
| 17.978  | 17.978 | (1.150)  | 85    | 10629    |                 |                | 0.64- 100.64   | 52.68     |  |
| -----   |        |          |       |          |                 |                |                |           |  |

| AMOUNTS                       |        |          |       |          |                 |                |              |        |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|--------------|--------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |           |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====        | =====  |           |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 114 Toluene                   |        |          |       |          |                 | CAS #:         | 108-88-3     |        |           |  |
| 18.337                        | 18.337 | (1.173)  | 91    | 120521   | 2.00000         | 1.871          | 50.00-       | 150.00 | 100.00    |  |
| 18.337                        | 18.337 | (1.173)  | 92    | 71179    |                 |                | 11.62-       | 111.62 | 59.06     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 116 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #:         | 10061-02-6   |        |           |  |
| 18.780                        | 18.780 | (0.903)  | 75    | 59843    | 2.00000         | 1.762          | 50.00-       | 150.00 | 100.00    |  |
| 18.752                        | 18.752 | (0.902)  | 77    | 20118    |                 |                | 0.00-        | 81.86  | 33.62     |  |
| 18.752                        | 18.752 | (0.902)  | 39    | 25251    |                 |                | 0.00-        | 91.58  | 42.20     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 117 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #:         | 79-00-5      |        |           |  |
| 19.111                        | 19.111 | (0.919)  | 97    | 47042    | 2.00000         | 1.922          | 50.00-       | 150.00 | 100.00    |  |
| 19.111                        | 19.111 | (0.919)  | 99    | 29057    |                 |                | 13.21-       | 113.21 | 61.77     |  |
| 19.111                        | 19.111 | (0.919)  | 83    | 38865    |                 |                | 35.76-       | 135.76 | 82.62     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 120 Tetrachloroethene         |        |          |       |          |                 | CAS #:         | 127-18-4     |        |           |  |
| 19.277                        | 19.277 | (0.927)  | 166   | 61038    | 2.00000         | 1.861          | 50.00-       | 150.00 | 100.00    |  |
| 19.277                        | 19.277 | (0.927)  | 129   | 45046    |                 |                | 19.36-       | 119.36 | 73.80     |  |
| 19.277                        | 19.277 | (0.927)  | 131   | 43125    |                 |                | 16.43-       | 116.43 | 70.65     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 121 2-Hexanone                |        |          |       |          |                 | CAS #:         | 591-78-6     |        |           |  |
| 19.443                        | 19.443 | (0.935)  | 58    | 21928    | 2.00000         | 1.070          | 50.00-       | 150.00 | 100.00(a) |  |
| 19.416                        | 19.416 | (0.934)  | 43    | 43343    |                 |                | 124.96-      | 224.96 | 197.66    |  |
| 19.443                        | 19.443 | (0.935)  | 100   | 5059     |                 |                | 0.00-        | 71.71  | 23.07     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 122 Dibromochloromethane      |        |          |       |          |                 | CAS #:         | 124-48-1     |        |           |  |
| 19.803                        | 19.803 | (0.952)  | 129   | 73614    | 2.00000         | 1.766          | 50.00-       | 150.00 | 100.00    |  |
| 19.803                        | 19.803 | (0.952)  | 127   | 61421    |                 |                | 28.82-       | 128.82 | 83.44     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 123 1,2-Dibromoethane         |        |          |       |          |                 | CAS #:         | 106-93-4     |        |           |  |
| 20.051                        | 20.051 | (0.964)  | 107   | 68894    | 2.00000         | 1.769          | 50.00-       | 150.00 | 100.00    |  |
| 20.051                        | 20.051 | (0.964)  | 109   | 66726    |                 |                | 46.68-       | 146.68 | 96.85     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 127 Chlorobenzene             |        |          |       |          |                 | CAS #:         | 108-90-7     |        |           |  |
| 20.853                        | 20.853 | (1.003)  | 112   | 107793   | 2.00000         | 1.907          | 50.00-       | 150.00 | 100.00    |  |
| 20.853                        | 20.853 | (1.003)  | 114   | 32353    |                 |                | 0.00-        | 82.06  | 30.01     |  |
| 20.853                        | 20.853 | (1.003)  | 77    | 75346    |                 |                | 22.53-       | 122.53 | 69.90     |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #:         | 100-41-4     |        |           |  |
| 20.936                        | 20.936 | (1.007)  | 106   | 53200    | 2.00000         | 1.817          | 50.00-       | 150.00 | 100.00    |  |
| 20.936                        | 20.936 | (1.007)  | 91    | 171345   |                 |                | 269.96-      | 369.96 | 322.08    |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 129 m,p-Xylene                |        |          |       |          |                 | CAS #:         | 108-38-3     |        |           |  |
| 21.130                        | 21.130 | (1.016)  | 106   | 66296    | 2.00000         | 1.798          | 50.00-       | 150.00 | 100.00    |  |
| 21.130                        | 21.130 | (1.016)  | 91    | 127807   |                 |                | 149.87-      | 249.87 | 192.78    |  |
| -----                         |        |          |       |          |                 |                |              |        |           |  |
| 130 o-Xylene                  |        |          |       |          |                 | CAS #:         | 95-47-6      |        |           |  |
| 21.849                        | 21.849 | (1.051)  | 106   | 61779    | 2.00000         | 1.761          | 50.00-       | 150.00 | 100.00    |  |

| AMOUNTS                                      |        |          |       |          |                |               |                |        |  |
|--|--------|----------|-------|----------|----------------|---------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT (PPEV) | ON-COL (PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====  |  |
| 130 o-Xylene (continued)                     |        |          |       |          |                |               |                |        |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 123534   |                |               | 160.81- 260.81 | 199.96 |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |                |               |                |        |  |
| 21.876                                       | 21.876 | (1.052)  | 104   | 86239    | 2.00000        | 1.605         | 50.00- 150.00  | 100.00 |  |
| 21.876                                       | 21.876 | (1.052)  | 78    | 46667    |                |               | 9.02- 109.02   | 54.11  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |                |               |                |        |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 78029    | 2.00000        | 1.744         | 50.00- 150.00  | 100.00 |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 43129    |                |               | 1.83- 101.83   | 55.27  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |                |               |                |        |  |
| 22.429                                       | 22.429 | (1.078)  | 105   | 168444   | 2.00000        | 1.741         | 50.00- 150.00  | 100.00 |  |
| 22.429                                       | 22.429 | (1.078)  | 120   | 43006    |                |               | 0.00- 77.62    | 25.53  |  |
| 22.429                                       | 22.429 | (1.078)  | 51    | 12970    |                |               | 0.00- 58.75    | 7.70   |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                |               |                |        |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 111264   | 2.00000        | 1.978         | 50.00- 150.00  | 100.00 |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 71555    |                |               | 16.89- 116.89  | 64.31  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |                |               |                |        |  |
| 23.121                                       | 23.121 | (1.112)  | 91    | 233544   | 2.00000        | 1.862         | 50.00- 150.00  | 100.00 |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 50752    |                |               | 0.00- 71.63    | 21.73  |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 8175     |                |               | 0.00- 53.71    | 3.50   |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                |               |                |        |  |
| 23.286                                       | 23.286 | (1.120)  | 105   | 203376   | 2.00000        | 1.905         | 50.00- 150.00  | 100.00 |  |
| 23.286                                       | 23.286 | (1.120)  | 120   | 60019    |                |               | 0.00- 79.69    | 29.51  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                |               |                |        |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 167502   | 2.00000        | 1.839         | 50.00- 150.00  | 100.00 |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 80768    |                |               | 0.00- 98.23    | 48.22  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                |               |                |        |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 155174   | 2.00000        | 1.808         | 50.00- 150.00  | 100.00 |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 68143    |                |               | 0.00- 94.91    | 43.91  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                |               |                |        |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 129075   | 2.00000        | 2.093         | 50.00- 150.00  | 100.00 |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 83042    |                |               | 14.68- 114.68  | 64.34  |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 51936    |                |               | 0.00- 91.36    | 40.24  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                |               |                |        |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 129470   | 2.00000        | 2.040         | 50.00- 150.00  | 100.00 |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 86858    |                |               | 16.09- 116.09  | 67.09  |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 52523    |                |               | 0.00- 90.13    | 40.57  |  |
| -----  |        |          |       |          |                |               |                |        |  |

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

QC Flag Legend

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020609.d

Calibration Time: 15:52

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 2.0ppbv

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

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

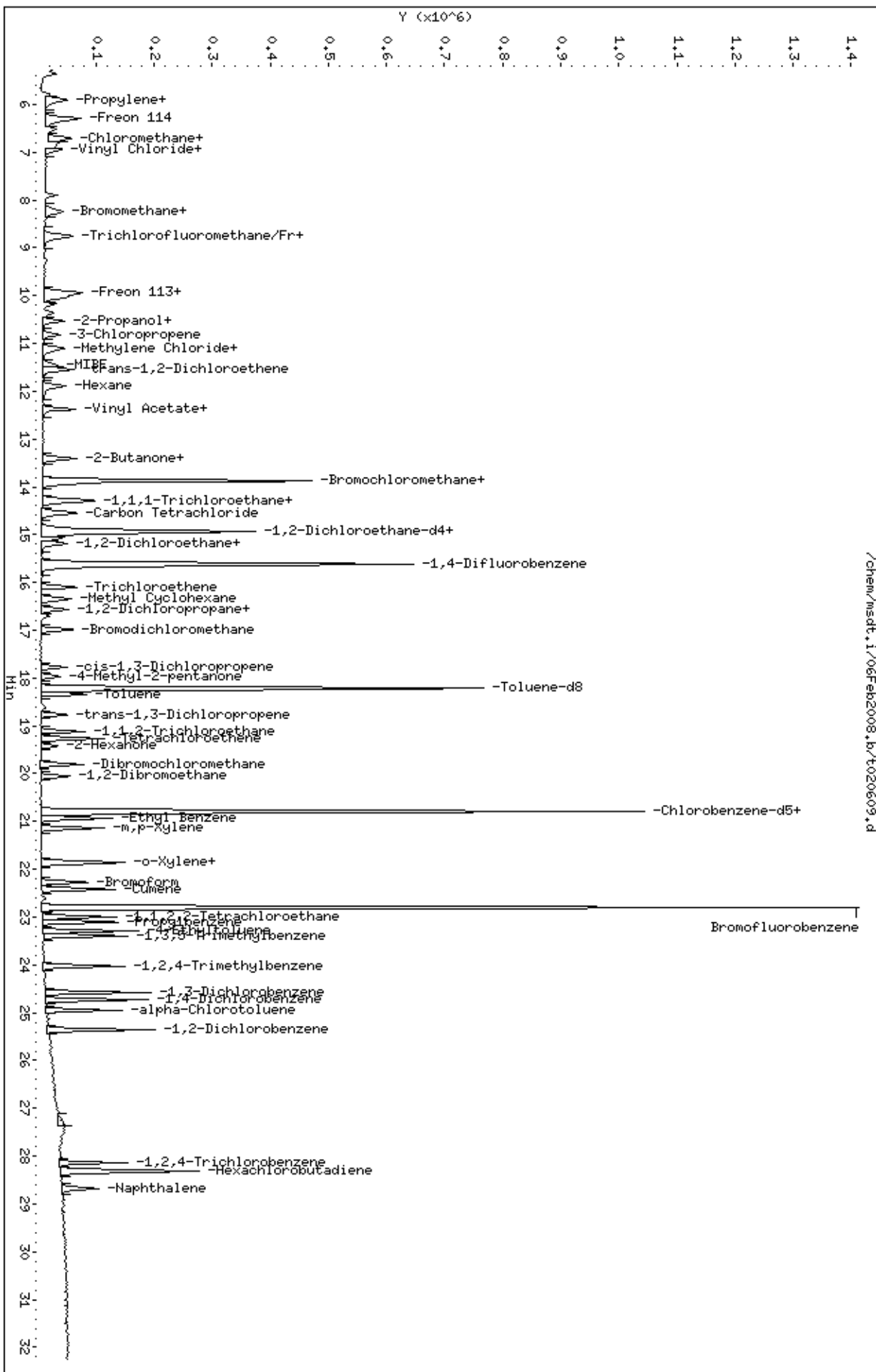
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



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

Column phase: RTX-624

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



Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020610.d  
 Lab Smp Id: ICAL Client Smp ID: Level 4  
 Inj Date : 06-FEB-2008 16:33  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 25ml #1576-261  
 Misc Info : 200ppbv -> 25ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 16:33 Cal File: t020610.d  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |               |        |  |
|---|--------|----------|-------|----------|---------|--------|---------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====         | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |               |        |  |
| 13.886  | 13.886 | (1.000)  | 130   | 334218   | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 13.858  | 13.858 | (1.000)  | 128   | 255710   |         |        | 26.39- 126.39 | 76.51  |  |
| 13.858  | 13.858 | (1.000)  | 49    | 494332   |         |        | 99.95- 199.95 | 147.91 |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |               |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1289398  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 207335   |         |        | 0.00- 66.12   | 16.08  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |               |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1136429  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 643863   |         |        | 6.72- 106.72  | 56.66  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |               |        |  |
| 14.937  | 14.937 | (1.076)  | 65    | 532290   | 25.0000 | 24.751 | 50.00- 150.00 | 100.00 |  |
| 14.937  | 14.937 | (1.076)  | 67    | 283909   |         |        | 3.57- 103.57  | 53.34  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |               |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1243286  | 25.0000 | 25.032 | 50.00- 150.00 | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 135082   |         |        | 0.00- 61.29   | 10.86  |  |

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

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

| AMOUNTS                   |        |          |       |          |                 |                 |                |        |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| 65 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |        |  |
| 11.895                    | 11.895 | (0.857)  | 57    | 875954   | 25.0000         | 29.169          | 50.00- 150.00  | 100.00 |  |
| 11.895                    | 11.895 | (0.857)  | 43    | 512217   |                 |                 | 9.30- 109.30   | 58.48  |  |
| 11.895                    | 11.895 | (0.857)  | 86    | 154784   |                 |                 | 0.00- 66.83    | 17.67  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 69 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |        |  |
| 12.365                    | 12.365 | (0.890)  | 86    | 153376   | 25.0000         | 26.051          | 50.00- 150.00  | 100.00 |  |
| 12.365                    | 12.365 | (0.890)  | 43    | 1371221  |                 |                 | 832.23- 932.23 | 894.03 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 70 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |        |  |
| 12.365                    | 12.365 | (0.890)  | 63    | 1208705  | 25.0000         | 28.768          | 50.00- 150.00  | 100.00 |  |
| 12.365                    | 12.365 | (0.890)  | 65    | 387741   |                 |                 | 0.00- 82.79    | 32.08  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 75 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |        |  |
| 13.388                    | 13.388 | (0.964)  | 72    | 292440   | 25.0000         | 27.357          | 50.00- 150.00  | 100.00 |  |
| 13.388                    | 13.388 | (0.964)  | 43    | 970748   |                 |                 | 275.22- 375.22 | 331.95 |  |
| 13.388                    | 13.388 | (0.964)  | 57    | 81299    |                 |                 | 0.00- 79.56    | 27.80  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 76 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |        |  |
| 13.416                    | 13.416 | (0.966)  | 61    | 814797   | 25.0000         | 28.821          | 50.00- 150.00  | 100.00 |  |
| 13.416                    | 13.416 | (0.966)  | 96    | 629811   |                 |                 | 27.39- 127.39  | 77.30  |  |
| 13.416                    | 13.416 | (0.966)  | 98    | 405600   |                 |                 | 0.96- 100.96   | 49.78  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 80 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |        |  |
| 13.858                    | 13.858 | (0.998)  | 42    | 516188   | 25.0000         | 28.629          | 50.00- 150.00  | 100.00 |  |
| 13.858                    | 13.858 | (0.998)  | 71    | 270836   |                 |                 | 0.00- 99.16    | 52.47  |  |
| 13.858                    | 13.858 | (0.998)  | 72    | 286491   |                 |                 | 2.04- 102.04   | 55.50  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 82 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |        |  |
| 13.941                    | 13.941 | (1.004)  | 83    | 1434387  | 25.0000         | 29.549          | 50.00- 150.00  | 100.00 |  |
| 13.941                    | 13.941 | (1.004)  | 85    | 936553   |                 |                 | 16.43- 116.43  | 65.29  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 83 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |        |  |
| 14.273                    | 14.273 | (1.028)  | 97    | 1561890  | 25.0000         | 29.090          | 50.00- 150.00  | 100.00 |  |
| 14.273                    | 14.273 | (1.028)  | 99    | 1011367  |                 |                 | 17.45- 117.45  | 64.75  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 85 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |        |  |
| 14.301                    | 14.301 | (1.030)  | 84    | 831348   | 25.0000         | 28.918          | 50.00- 150.00  | 100.00 |  |
| 14.301                    | 14.301 | (1.030)  | 56    | 822590   |                 |                 | 47.55- 147.55  | 98.95  |  |
| 14.301                    | 14.301 | (1.030)  | 41    | 437816   |                 |                 | 5.12- 105.12   | 52.66  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 87 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |        |  |
| 14.549                    | 14.549 | (1.048)  | 119   | 1495659  | 25.0000         | 29.000          | 50.00- 150.00  | 100.00 |  |
| 14.549                    | 14.549 | (1.048)  | 117   | 1593507  |                 |                 | 53.78- 153.78  | 106.54 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 91 Benzene                |        |          |       |          |                 | CAS #: 71-43-2  |                |        |  |
| 14.964                    | 14.964 | (0.958)  | 78    | 1805921  | 25.0000         | 28.017          | 50.00- 150.00  | 100.00 |  |

| AMOUNTS                                       |        |          |       |          |                |               |                |        |  |
|---|--------|----------|-------|----------|----------------|---------------|----------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT (PPEV) | ON-COL (PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====  |  |
| 91 Benzene (continued)                        |        |          |       |          |                |               |                |        |  |
| 14.964  | 14.964 | (0.958)  | 77    | 415076   |                |               | 0.00- 73.50    | 22.98  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 89 2,2,4-Trimethylpentane CAS #: 540-84-1     |        |          |       |          |                |               |                |        |  |
| 14.881  | 14.881 | (1.072)  | 57    | 2040326  | 25.0000        | 29.108        | 50.00- 150.00  | 100.00 |  |
| 14.881  | 14.881 | (1.072)  | 56    | 651578   |                |               | 0.00- 82.82    | 31.93  |  |
| 14.881  | 14.881 | (1.072)  | 41    | 527319   |                |               | 0.00- 78.43    | 25.84  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                |               |                |        |  |
| 15.075  | 15.075 | (0.965)  | 62    | 899538   | 25.0000        | 28.604        | 50.00- 150.00  | 100.00 |  |
| 15.075  | 15.075 | (0.965)  | 64    | 287058   |                |               | 0.00- 84.23    | 31.91  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                |               |                |        |  |
| 15.185  | 15.185 | (0.972)  | 71    | 539758   | 25.0000        | 29.582        | 50.00- 150.00  | 100.00 |  |
| 15.185  | 15.185 | (0.972)  | 43    | 725497   |                |               | 85.70- 185.70  | 134.41 |  |
| 15.185  | 15.185 | (0.972)  | 57    | 433724   |                |               | 28.72- 128.72  | 80.36  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                |               |                |        |  |
| 16.098  | 16.098 | (1.030)  | 95    | 809796   | 25.0000        | 29.332        | 50.00- 150.00  | 100.00 |  |
| 16.098  | 16.098 | (1.030)  | 130   | 736330   |                |               | 42.94- 142.94  | 90.93  |  |
| 16.098  | 16.098 | (1.030)  | 97    | 502564   |                |               | 13.25- 113.25  | 62.06  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                |               |                |        |  |
| 16.568  | 16.568 | (1.060)  | 63    | 617846   | 25.0000        | 28.408        | 50.00- 150.00  | 100.00 |  |
| 16.568  | 16.568 | (1.060)  | 62    | 449048   |                |               | 21.32- 121.32  | 72.68  |  |
| 16.568  | 16.568 | (1.060)  | 41    | 350593   |                |               | 8.96- 108.96   | 56.74  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                |               |                |        |  |
| 16.706  | 16.706 | (1.069)  | 88    | 419073   | 25.0000        | 26.325        | 50.00- 150.00  | 100.00 |  |
| 16.706  | 16.706 | (1.069)  | 58    | 248796   |                |               | 9.36- 109.36   | 59.37  |  |
| 16.706  | 16.706 | (1.069)  | 57    | 87940    |                |               | 0.00- 71.19    | 20.98  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                |               |                |        |  |
| 17.010  | 17.010 | (1.088)  | 83    | 1452860  | 25.0000        | 29.405        | 50.00- 150.00  | 100.00 |  |
| 17.010  | 17.010 | (1.088)  | 85    | 925446   |                |               | 13.51- 113.51  | 63.70  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                |               |                |        |  |
| 17.784  | 17.784 | (1.138)  | 75    | 960843   | 25.0000        | 28.993        | 50.00- 150.00  | 100.00 |  |
| 17.784  | 17.784 | (1.138)  | 77    | 311058   |                |               | 0.00- 84.89    | 32.37  |  |
| 17.784  | 17.784 | (1.138)  | 39    | 433889   |                |               | 0.00- 97.13    | 45.16  |  |
| -----   |        |          |       |          |                |               |                |        |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                |               |                |        |  |
| 17.978  | 17.978 | (1.150)  | 58    | 443863   | 25.0000        | 29.477        | 50.00- 150.00  | 100.00 |  |
| 17.978  | 17.978 | (1.150)  | 43    | 1012229  |                |               | 175.34- 275.34 | 228.05 |  |
| 17.978  | 17.978 | (1.150)  | 85    | 219633   |                |               | 0.64- 100.64   | 49.48  |  |
| -----   |        |          |       |          |                |               |                |        |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 114 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |        |  |
| 18.337                        | 18.337 | (1.173)  | 91    | 1989625  | 25.0000         | 28.948            | 50.00- 150.00  | 100.00 |  |
| 18.337                        | 18.337 | (1.173)  | 92    | 1214679  |                 |                   | 11.62- 111.62  | 61.05  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 116 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |        |  |
| 18.752                        | 18.752 | (0.902)  | 75    | 1069541  | 25.0000         | 29.778            | 50.00- 150.00  | 100.00 |  |
| 18.780                        | 18.780 | (0.903)  | 77    | 338491   |                 |                   | 0.00- 81.86    | 31.65  |  |
| 18.752                        | 18.752 | (0.902)  | 39    | 431851   |                 |                   | 0.00- 91.58    | 40.38  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 117 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |        |  |
| 19.112                        | 19.112 | (0.919)  | 97    | 770359   | 25.0000         | 29.759            | 50.00- 150.00  | 100.00 |  |
| 19.112                        | 19.112 | (0.919)  | 99    | 476886   |                 |                   | 13.21- 113.21  | 61.90  |  |
| 19.112                        | 19.112 | (0.919)  | 83    | 637669   |                 |                   | 35.76- 135.76  | 82.78  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 120 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |        |  |
| 19.277                        | 19.277 | (0.927)  | 166   | 1044211  | 25.0000         | 30.103            | 50.00- 150.00  | 100.00 |  |
| 19.277                        | 19.277 | (0.927)  | 129   | 733649   |                 |                   | 19.36- 119.36  | 70.26  |  |
| 19.277                        | 19.277 | (0.927)  | 131   | 692279   |                 |                   | 16.43- 116.43  | 66.30  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 121 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |        |  |
| 19.416                        | 19.416 | (0.934)  | 58    | 600804   | 25.0000         | 27.717            | 50.00- 150.00  | 100.00 |  |
| 19.416                        | 19.416 | (0.934)  | 43    | 1022657  |                 |                   | 124.96- 224.96 | 170.21 |  |
| 19.416                        | 19.416 | (0.934)  | 100   | 132839   |                 |                   | 0.00- 71.71    | 22.11  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 122 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |        |  |
| 19.803                        | 19.803 | (0.952)  | 129   | 1348982  | 25.0000         | 30.605            | 50.00- 150.00  | 100.00 |  |
| 19.803                        | 19.803 | (0.952)  | 127   | 1034685  |                 |                   | 28.82- 128.82  | 76.70  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 123 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |        |  |
| 20.052                        | 20.052 | (0.964)  | 107   | 1251667  | 25.0000         | 30.398            | 50.00- 150.00  | 100.00 |  |
| 20.052                        | 20.052 | (0.964)  | 109   | 1153749  |                 |                   | 46.68- 146.68  | 92.18  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 127 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |        |  |
| 20.853                        | 20.853 | (1.003)  | 112   | 1743887  | 25.0000         | 29.181            | 50.00- 150.00  | 100.00 |  |
| 20.853                        | 20.853 | (1.003)  | 114   | 545791   |                 |                   | 0.00- 82.06    | 31.30  |  |
| 20.853                        | 20.853 | (1.003)  | 77    | 1078189  |                 |                   | 22.53- 122.53  | 61.83  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |        |  |
| 20.936                        | 20.936 | (1.007)  | 106   | 926234   | 25.0000         | 29.913            | 50.00- 150.00  | 100.00 |  |
| 20.936                        | 20.936 | (1.007)  | 91    | 2920081  |                 |                   | 269.96- 369.96 | 315.26 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 129 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |        |  |
| 21.130                        | 21.130 | (1.016)  | 106   | 1173062  | 25.0000         | 30.086            | 50.00- 150.00  | 100.00 |  |
| 21.130                        | 21.130 | (1.016)  | 91    | 2352767  |                 |                   | 149.87- 249.87 | 200.57 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 130 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |        |  |
| 21.849                        | 21.849 | (1.051)  | 106   | 1125158  | 25.0000         | 30.336            | 50.00- 150.00  | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 130 o-Xylene (continued)                     |        |          |       |          |                 |                |                |        |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 2362887  |                 |                | 160.81- 260.81 | 210.00 |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |        |  |
| 21.877                                       | 21.877 | (1.052)  | 104   | 1801628  | 25.0000         | 31.706         | 50.00- 150.00  | 100.00 |  |
| 21.877                                       | 21.877 | (1.052)  | 78    | 925547   |                 |                | 9.02- 109.02   | 51.37  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |        |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 1429561  | 25.0000         | 30.216         | 50.00- 150.00  | 100.00 |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 734724   |                 |                | 1.83- 101.83   | 51.40  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |                 |                |                |        |  |
| 22.430                                       | 22.430 | (1.078)  | 105   | 3121582  | 25.0000         | 30.511         | 50.00- 150.00  | 100.00 |  |
| 22.430                                       | 22.430 | (1.078)  | 120   | 803583   |                 |                | 0.00- 77.62    | 25.74  |  |
| 22.430                                       | 22.430 | (1.078)  | 51    | 269302   |                 |                | 0.00- 58.75    | 8.63   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |        |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 1766566  | 25.0000         | 29.693         | 50.00- 150.00  | 100.00 |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 1142101  |                 |                | 16.89- 116.89  | 64.65  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |                 |                |                |        |  |
| 23.121                                       | 23.121 | (1.112)  | 91    | 3987959  | 25.0000         | 30.069         | 50.00- 150.00  | 100.00 |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 870154   |                 |                | 0.00- 71.63    | 21.82  |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 149480   |                 |                | 0.00- 53.71    | 3.75   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |        |  |
| 23.287                                       | 23.287 | (1.120)  | 105   | 3468899  | 25.0000         | 30.725         | 50.00- 150.00  | 100.00 |  |
| 23.287                                       | 23.287 | (1.120)  | 120   | 1046336  |                 |                | 0.00- 79.69    | 30.16  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |        |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 2924272  | 25.0000         | 30.363         | 50.00- 150.00  | 100.00 |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 1422059  |                 |                | 0.00- 98.23    | 48.63  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |        |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 2745190  | 25.0000         | 30.249         | 50.00- 150.00  | 100.00 |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 1286024  |                 |                | 0.00- 94.91    | 46.85  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |        |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 1892688  | 25.0000         | 29.016         | 50.00- 150.00  | 100.00 |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 1226520  |                 |                | 14.68- 114.68  | 64.80  |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 789350   |                 |                | 0.00- 91.36    | 41.71  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |        |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 1952581  | 25.0000         | 29.091         | 50.00- 150.00  | 100.00 |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 1247055  |                 |                | 16.09- 116.09  | 63.87  |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 788240   |                 |                | 0.00- 90.13    | 40.37  |  |
| -----  |        |          |       |          |                 |                |                |        |  |



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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020610.d

Calibration Time: 16:33

Lab Smp Id: ICAL

Client Smp ID: Level 4

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 25ppbv

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

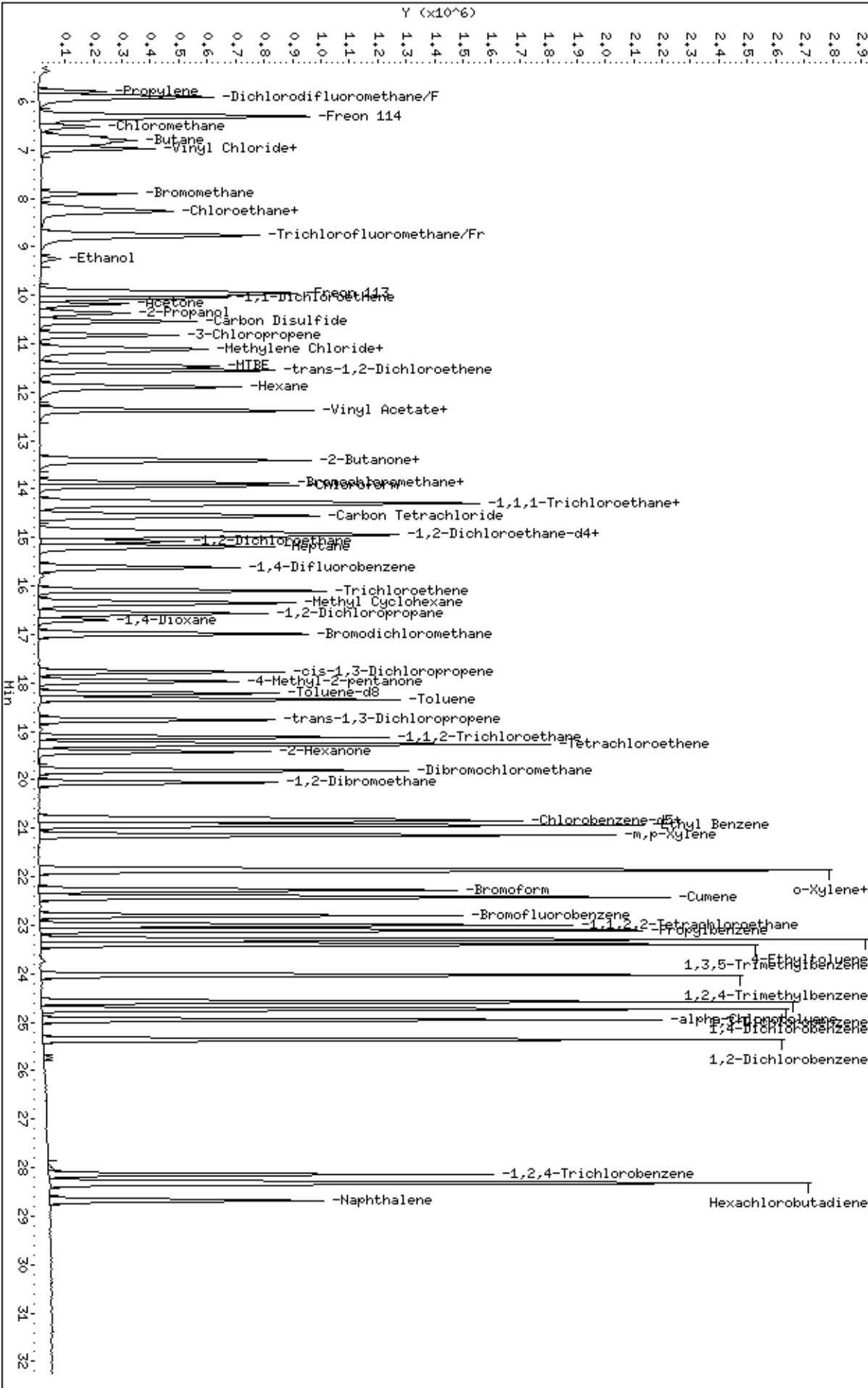
| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 81 Bromochloromethan | 13.89    | 13.56    | 14.22 | 13.89  | 0.00  |
| 97 1,4-Difluorobenze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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020611.d  
 Lab Smp Id: ICAL Client Smp ID: Level 5  
 Inj Date : 06-FEB-2008 17:13  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 50ml #1576-261  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 17:13 Cal File: t020611.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |         |        |                |        |
|---|--------|----------|-------|----------|---------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | (PPBV)  | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |                |        |
| 13.886  | 13.886 | (1.000)  | 130   | 355997   | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 13.886  | 13.886 | (1.000)  | 128   | 270515   |         |         |        | 25.99- 125.99  | 75.99  |
| 13.858  | 13.858 | (1.000)  | 49    | 620343   |         |         |        | 124.26- 224.26 | 174.26 |
| -----   |        |          |       |          |         |         |        |                |        |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |                |        |
| 15.628  | 15.628 | (1.000)  | 114   | 1372567  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 15.628  | 15.628 | (1.000)  | 88    | 218941   |         |         |        | 0.00- 65.95    | 15.95  |
| -----   |        |          |       |          |         |         |        |                |        |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |                |        |
| 20.798  | 20.798 | (1.000)  | 117   | 1227265  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 20.798  | 20.798 | (1.000)  | 82    | 689313   |         |         |        | 6.72- 106.72   | 56.17  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |                |        |
| 14.936  | 14.936 | (1.076)  | 65    | 583879   | 25.0000 | 25.489  |        | 80.00- 120.00  | 100.00 |
| 14.936  | 14.936 | (1.076)  | 67    | 331459   |         |         |        | 3.57- 103.57   | 56.77  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |                |        |
| 18.199  | 18.199 | (1.165)  | 98    | 1318253  | 25.0000 | 24.933  |        | 80.00- 120.00  | 100.00 |
| 18.199  | 18.199 | (1.165)  | 70    | 152530   |         |         |        | 0.00- 61.29    | 11.57  |

| AMOUNTS                         |        |          |       |          |                 |                |               |        |  |  |
|---------------------------------|--------|----------|-------|----------|-----------------|----------------|---------------|--------|--|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO  |  |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| \$ 113 Toluene-d8 (continued)   |        |          |       |          |                 |                |               |        |  |  |
| 18.199                          | 18.199 | (1.165)  | 100   | 907157   |                 |                | 18.71- 118.71 | 68.82  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| \$ 137 Bromofluorobenzene       |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 460-00-4      |        |  |  |
| 22.789                          | 22.789 | (1.096)  | 174   | 802647   | 25.0000         | 25.285         | 80.00- 120.00 | 100.00 |  |  |
| 22.789                          | 22.789 | (1.096)  | 95    | 997548   |                 |                | 74.28- 174.28 | 124.28 |  |  |
| 22.789                          | 22.789 | (1.096)  | 176   | 784103   |                 |                | 47.69- 147.69 | 97.69  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 11 Propylene                    |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 115-07-1      |        |  |  |
| 5.812                           | 5.812  | (0.419)  | 41    | 568844   | 50.0000         | 48.853         | 80.00- 120.00 | 100.00 |  |  |
| 5.812                           | 5.812  | (0.419)  | 42    | 386786   |                 |                | 17.96- 117.96 | 68.00  |  |  |
| 5.812                           | 5.812  | (0.419)  | 39    | 460707   |                 |                | 33.44- 133.44 | 80.99  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 12 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 75-71-8       |        |  |  |
| 5.923                           | 5.923  | (0.427)  | 85    | 3662828  | 50.0000         | 52.692         | 80.00- 120.00 | 100.00 |  |  |
| 5.895                           | 5.895  | (0.425)  | 87    | 1170633  |                 |                | 0.00- 82.13   | 31.96  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 16 Freon 114                    |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 76-14-2       |        |  |  |
| 6.282                           | 6.282  | (0.452)  | 135   | 2368790  | 50.0000         | 51.549         | 80.00- 120.00 | 100.00 |  |  |
| 6.282                           | 6.282  | (0.452)  | 137   | 767760   |                 |                | 0.00- 81.89   | 32.41  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 18 Chloromethane                |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 74-87-3       |        |  |  |
| 6.531                           | 6.531  | (0.470)  | 50    | 736532   | 50.0000         | 48.532         | 80.00- 120.00 | 100.00 |  |  |
| 6.531                           | 6.531  | (0.470)  | 52    | 242289   |                 |                | 0.00- 83.62   | 32.90  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 20 Vinyl Chloride               |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 75-01-4       |        |  |  |
| 6.863                           | 6.863  | (0.494)  | 62    | 1053090  | 50.0000         | 50.541         | 80.00- 120.00 | 100.00 |  |  |
| 6.863                           | 6.863  | (0.494)  | 64    | 342558   |                 |                | 0.00- 89.61   | 32.53  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 22 1,3-Butadiene                |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 106-99-0      |        |  |  |
| 6.973                           | 6.973  | (0.502)  | 54    | 811723   | 50.0000         | 51.767         | 80.00- 120.00 | 100.00 |  |  |
| 6.973                           | 6.973  | (0.502)  | 39    | 793975   |                 |                | 53.33- 153.33 | 97.81  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 25 Bromomethane                 |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 74-83-9       |        |  |  |
| 7.913                           | 7.913  | (0.570)  | 94    | 1033071  | 50.0000         | 50.075         | 80.00- 120.00 | 100.00 |  |  |
| 7.913                           | 7.913  | (0.570)  | 96    | 968870   |                 |                | 43.79- 143.79 | 93.79  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 27 Chloroethane                 |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 75-00-3       |        |  |  |
| 8.190                           | 8.190  | (0.590)  | 64    | 574342   | 50.0000         | 52.853         | 80.00- 120.00 | 100.00 |  |  |
| 8.162                           | 8.162  | (0.588)  | 49    | 147684   |                 |                | 0.00- 76.71   | 25.71  |  |  |
| 8.162                           | 8.162  | (0.588)  | 66    | 193610   |                 |                | 0.00- 83.02   | 33.71  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |
| 31 Trichlorofluoromethane/Fr11  |        |          |       |          |                 |                |               |        |  |  |
|                                 |        |          |       |          |                 | CAS #:         | 75-69-4       |        |  |  |
| 8.771                           | 8.771  | (0.632)  | 101   | 4148660  | 50.0000         | 52.718         | 80.00- 120.00 | 100.00 |  |  |
| 8.771                           | 8.771  | (0.632)  | 103   | 2679418  |                 |                | 14.59- 114.59 | 64.59  |  |  |
| -----                           |        |          |       |          |                 |                |               |        |  |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 38 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 9.241                       | 9.241  | (0.665)  | 45    | 322418   | 50.0000         | 53.549           | 80.00- 120.00  | 100.00 |  |
| 9.241                       | 9.241  | (0.665)  | 43    | 79459    |                 |                  | 0.00- 75.24    | 24.64  |  |
| 9.241                       | 9.241  | (0.665)  | 46    | 120478   |                 |                  | 0.00- 89.78    | 37.37  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 42 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 9.960                       | 9.960  | (0.717)  | 151   | 1858487  | 50.0000         | 51.288           | 80.00- 120.00  | 100.00 |  |
| 9.960                       | 9.960  | (0.717)  | 153   | 1188101  |                 |                  | 13.93- 113.93  | 63.93  |  |
| 9.960                       | 9.960  | (0.717)  | 101   | 2437243  |                 |                  | 81.14- 181.14  | 131.14 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 10.042                      | 10.042 | (0.723)  | 61    | 1737278  | 50.0000         | 53.263           | 80.00- 120.00  | 100.00 |  |
| 10.042                      | 10.042 | (0.723)  | 96    | 1039511  |                 |                  | 9.84- 109.84   | 59.84  |  |
| 10.042                      | 10.042 | (0.723)  | 98    | 667871   |                 |                  | 0.00- 88.44    | 38.44  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 45 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 10.181                      | 10.181 | (0.733)  | 58    | 537852   | 50.0000         | 53.208           | 80.00- 120.00  | 100.00 |  |
| 10.181                      | 10.181 | (0.733)  | 43    | 1662243  |                 |                  | 267.82- 367.82 | 309.05 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 10.374                      | 10.374 | (0.747)  | 45    | 1866517  | 50.0000         | 53.880           | 80.00- 120.00  | 100.00 |  |
| 10.374                      | 10.374 | (0.747)  | 43    | 458202   |                 |                  | 0.00- 76.64    | 24.55  |  |
| 10.374                      | 10.374 | (0.747)  | 59    | 78354    |                 |                  | 0.00- 54.31    | 4.20   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 10.540                      | 10.540 | (0.759)  | 76    | 3176334  | 50.0000         | 51.484           | 80.00- 120.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 51 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 10.817                      | 10.817 | (0.779)  | 76    | 554160   | 50.0000         | 52.162           | 80.00- 120.00  | 100.00 |  |
| 10.817                      | 10.817 | (0.779)  | 41    | 1242594  |                 |                  | 173.84- 273.84 | 224.23 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 54 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 11.093                      | 11.093 | (0.799)  | 49    | 1027528  | 50.0000         | 49.819           | 80.00- 120.00  | 100.00 |  |
| 11.121                      | 11.121 | (0.801)  | 84    | 915087   |                 |                  | 39.06- 139.06  | 89.06  |  |
| 11.093                      | 11.093 | (0.799)  | 51    | 342626   |                 |                  | 0.00- 83.83    | 33.34  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 60 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 11.453                      | 11.453 | (0.825)  | 73    | 3731089  | 50.0000         | 63.014           | 80.00- 120.00  | 100.00 |  |
| 11.453                      | 11.453 | (0.825)  | 57    | 708379   |                 |                  | 0.00- 68.99    | 18.99  |  |
| 11.453                      | 11.453 | (0.825)  | 41    | 693527   |                 |                  | 0.00- 70.47    | 18.59  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 61 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 11.563                      | 11.563 | (0.833)  | 96    | 1318462  | 50.0000         | 54.393           | 80.00- 120.00  | 100.00 |  |
| 11.536                      | 11.536 | (0.831)  | 61    | 1860568  |                 |                  | 91.12- 191.12  | 141.12 |  |
| 11.563                      | 11.563 | (0.833)  | 98    | 850578   |                 |                  | 16.26- 116.26  | 64.51  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                |        |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| 65 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |        |  |
| 11.895                    | 11.895 | (0.857)  | 57    | 1840132  | 50.0000         | 57.528          | 80.00- 120.00  | 100.00 |  |
| 11.895                    | 11.895 | (0.857)  | 43    | 1061185  |                 |                 | 9.30- 109.30   | 57.67  |  |
| 11.895                    | 11.895 | (0.857)  | 86    | 329230   |                 |                 | 0.00- 66.83    | 17.89  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 69 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |        |  |
| 12.365                    | 12.365 | (0.890)  | 86    | 325069   | 50.0000         | 51.835          | 80.00- 120.00  | 100.00 |  |
| 12.365                    | 12.365 | (0.890)  | 43    | 2991357  |                 |                 | 832.23- 932.23 | 920.22 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 70 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |        |  |
| 12.365                    | 12.365 | (0.890)  | 63    | 2472619  | 50.0000         | 55.250          | 80.00- 120.00  | 100.00 |  |
| 12.365                    | 12.365 | (0.890)  | 65    | 805934   |                 |                 | 0.00- 82.59    | 32.59  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 75 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |        |  |
| 13.388                    | 13.388 | (0.964)  | 72    | 626587   | 50.0000         | 55.030          | 80.00- 120.00  | 100.00 |  |
| 13.388                    | 13.388 | (0.964)  | 43    | 2118345  |                 |                 | 288.08- 388.08 | 338.08 |  |
| 13.388                    | 13.388 | (0.964)  | 57    | 187831   |                 |                 | 0.00- 79.56    | 29.98  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 76 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |        |  |
| 13.416                    | 13.416 | (0.966)  | 61    | 1679389  | 50.0000         | 55.770          | 80.00- 120.00  | 100.00 |  |
| 13.416                    | 13.416 | (0.966)  | 96    | 1321033  |                 |                 | 28.66- 128.66  | 78.66  |  |
| 13.416                    | 13.416 | (0.966)  | 98    | 843715   |                 |                 | 0.24- 100.24   | 50.24  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 80 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |        |  |
| 13.858                    | 13.858 | (0.998)  | 42    | 1094094  | 50.0000         | 56.969          | 80.00- 120.00  | 100.00 |  |
| 13.858                    | 13.858 | (0.998)  | 71    | 585510   |                 |                 | 3.52- 103.52   | 53.52  |  |
| 13.858                    | 13.858 | (0.998)  | 72    | 623609   |                 |                 | 2.04- 102.04   | 57.00  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 82 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |        |  |
| 13.941                    | 13.941 | (1.004)  | 83    | 2945710  | 50.0000         | 56.971          | 80.00- 120.00  | 100.00 |  |
| 13.941                    | 13.941 | (1.004)  | 85    | 1913887  |                 |                 | 14.97- 114.97  | 64.97  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 83 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |        |  |
| 14.273                    | 14.273 | (1.028)  | 97    | 3172686  | 50.0000         | 55.477          | 80.00- 120.00  | 100.00 |  |
| 14.273                    | 14.273 | (1.028)  | 99    | 2055059  |                 |                 | 14.77- 114.77  | 64.77  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 85 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |        |  |
| 14.300                    | 14.300 | (1.030)  | 84    | 1715824  | 50.0000         | 56.032          | 80.00- 120.00  | 100.00 |  |
| 14.300                    | 14.300 | (1.030)  | 56    | 1705812  |                 |                 | 49.42- 149.42  | 99.42  |  |
| 14.300                    | 14.300 | (1.030)  | 41    | 887756   |                 |                 | 1.74- 101.74   | 51.74  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 87 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |        |  |
| 14.549                    | 14.549 | (1.048)  | 119   | 3035706  | 50.0000         | 55.259          | 80.00- 120.00  | 100.00 |  |
| 14.549                    | 14.549 | (1.048)  | 117   | 3225264  |                 |                 | 56.24- 156.24  | 106.24 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 91 Benzene                |        |          |       |          |                 | CAS #: 71-43-2  |                |        |  |
| 14.964                    | 14.964 | (0.958)  | 78    | 3727114  | 50.0000         | 54.318          | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                                       |        |          |       |          |                 |                |                |        |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 91 Benzene (continued)                        |        |          |       |          |                 |                |                |        |  |
| 14.964  | 14.964 | (0.958)  | 77    | 840170   |                 |                | 0.00- 73.50    | 22.54  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 89 2,2,4-Trimethylpentane CAS #: 540-84-1     |        |          |       |          |                 |                |                |        |  |
| 14.881  | 14.881 | (1.072)  | 57    | 4124554  | 50.0000         | 55.242         | 80.00- 120.00  | 100.00 |  |
| 14.881  | 14.881 | (1.072)  | 56    | 1342557  |                 |                | 0.00- 82.82    | 32.55  |  |
| 14.881  | 14.881 | (1.072)  | 41    | 1097372  |                 |                | 0.00- 78.43    | 26.61  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                 |                |                |        |  |
| 15.075  | 15.075 | (0.965)  | 62    | 1854128  | 50.0000         | 55.386         | 80.00- 120.00  | 100.00 |  |
| 15.075  | 15.075 | (0.965)  | 64    | 600236   |                 |                | 0.00- 84.23    | 32.37  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                 |                |                |        |  |
| 15.185  | 15.185 | (0.972)  | 71    | 1090153  | 50.0000         | 56.126         | 80.00- 120.00  | 100.00 |  |
| 15.185  | 15.185 | (0.972)  | 43    | 1492099  |                 |                | 85.70- 185.70  | 136.87 |  |
| 15.185  | 15.185 | (0.972)  | 57    | 911942   |                 |                | 28.72- 128.72  | 83.65  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                 |                |                |        |  |
| 16.098  | 16.098 | (1.030)  | 95    | 1644017  | 50.0000         | 55.940         | 80.00- 120.00  | 100.00 |  |
| 16.098  | 16.098 | (1.030)  | 130   | 1508329  |                 |                | 41.75- 141.75  | 91.75  |  |
| 16.098  | 16.098 | (1.030)  | 97    | 1036281  |                 |                | 13.03- 113.03  | 63.03  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                 |                |                |        |  |
| 16.568  | 16.568 | (1.060)  | 63    | 1288303  | 50.0000         | 55.647         | 80.00- 120.00  | 100.00 |  |
| 16.568  | 16.568 | (1.060)  | 62    | 908468   |                 |                | 20.52- 120.52  | 70.52  |  |
| 16.568  | 16.568 | (1.060)  | 41    | 703834   |                 |                | 4.63- 104.63   | 54.63  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                 |                |                |        |  |
| 16.706  | 16.706 | (1.069)  | 88    | 896963   | 50.0000         | 52.930         | 80.00- 120.00  | 100.00 |  |
| 16.678  | 16.678 | (1.067)  | 58    | 524585   |                 |                | 8.48- 108.48   | 58.48  |  |
| 16.706  | 16.706 | (1.069)  | 57    | 181915   |                 |                | 0.00- 71.19    | 20.28  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                 |                |                |        |  |
| 17.010  | 17.010 | (1.088)  | 83    | 2950939  | 50.0000         | 56.106         | 80.00- 120.00  | 100.00 |  |
| 17.010  | 17.010 | (1.088)  | 85    | 1891495  |                 |                | 14.10- 114.10  | 64.10  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                 |                |                |        |  |
| 17.784  | 17.784 | (1.138)  | 75    | 2032815  | 50.0000         | 57.623         | 80.00- 120.00  | 100.00 |  |
| 17.784  | 17.784 | (1.138)  | 77    | 657095   |                 |                | 0.00- 82.32    | 32.32  |  |
| 17.784  | 17.784 | (1.138)  | 39    | 911517   |                 |                | 0.00- 94.84    | 44.84  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                 |                |                |        |  |
| 17.978  | 17.978 | (1.150)  | 58    | 959360   | 50.0000         | 59.852         | 80.00- 120.00  | 100.00 |  |
| 17.978  | 17.978 | (1.150)  | 43    | 2178902  |                 |                | 175.34- 275.34 | 227.12 |  |
| 17.978  | 17.978 | (1.150)  | 85    | 471816   |                 |                | 0.64- 100.64   | 49.18  |  |
| -----   |        |          |       |          |                 |                |                |        |  |



| AMOUNTS                       |        |          |       |          |                 |                   |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |
| 114 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |        |  |
| 18.337                        | 18.337 | (1.173)  | 91    | 4068135  | 50.0000         | 55.602            | 80.00- 120.00  | 100.00 |  |
| 18.337                        | 18.337 | (1.173)  | 92    | 2482867  |                 |                   | 11.03- 111.03  | 61.03  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 116 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |        |  |
| 18.752                        | 18.752 | (0.902)  | 75    | 2215353  | 50.0000         | 57.114            | 80.00- 120.00  | 100.00 |  |
| 18.752                        | 18.752 | (0.902)  | 77    | 703689   |                 |                   | 0.00- 81.76    | 31.76  |  |
| 18.752                        | 18.752 | (0.902)  | 39    | 903343   |                 |                   | 0.00- 90.78    | 40.78  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 117 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |        |  |
| 19.111                        | 19.111 | (0.919)  | 97    | 1575767  | 50.0000         | 56.367            | 80.00- 120.00  | 100.00 |  |
| 19.111                        | 19.111 | (0.919)  | 99    | 1008005  |                 |                   | 13.97- 113.97  | 63.97  |  |
| 19.111                        | 19.111 | (0.919)  | 83    | 1339264  |                 |                   | 34.99- 134.99  | 84.99  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 120 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |        |  |
| 19.277                        | 19.277 | (0.927)  | 166   | 2101247  | 50.0000         | 56.093            | 80.00- 120.00  | 100.00 |  |
| 19.277                        | 19.277 | (0.927)  | 129   | 1460862  |                 |                   | 19.52- 119.52  | 69.52  |  |
| 19.277                        | 19.277 | (0.927)  | 131   | 1379543  |                 |                   | 15.65- 115.65  | 65.65  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 121 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |        |  |
| 19.416                        | 19.416 | (0.934)  | 58    | 1325035  | 50.0000         | 56.604            | 80.00- 120.00  | 100.00 |  |
| 19.416                        | 19.416 | (0.934)  | 43    | 2195972  |                 |                   | 115.73- 215.73 | 165.73 |  |
| 19.416                        | 19.416 | (0.934)  | 100   | 272545   |                 |                   | 0.00- 71.71    | 20.57  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 122 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |        |  |
| 19.803                        | 19.803 | (0.952)  | 129   | 2769035  | 50.0000         | 58.173            | 80.00- 120.00  | 100.00 |  |
| 19.803                        | 19.803 | (0.952)  | 127   | 2123510  |                 |                   | 28.82- 128.82  | 76.69  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 123 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |        |  |
| 20.052                        | 20.052 | (0.964)  | 107   | 2561313  | 50.0000         | 57.601            | 80.00- 120.00  | 100.00 |  |
| 20.052                        | 20.052 | (0.964)  | 109   | 2365543  |                 |                   | 42.36- 142.36  | 92.36  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 127 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |        |  |
| 20.853                        | 20.853 | (1.003)  | 112   | 3537203  | 50.0000         | 54.809            | 80.00- 120.00  | 100.00 |  |
| 20.853                        | 20.853 | (1.003)  | 114   | 1102906  |                 |                   | 0.00- 81.18    | 31.18  |  |
| 20.853                        | 20.853 | (1.003)  | 77    | 2193657  |                 |                   | 12.02- 112.02  | 62.02  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |        |  |
| 20.936                        | 20.936 | (1.007)  | 106   | 1881257  | 50.0000         | 56.260            | 80.00- 120.00  | 100.00 |  |
| 20.936                        | 20.936 | (1.007)  | 91    | 6033553  |                 |                   | 269.96- 369.96 | 320.72 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 129 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |        |  |
| 21.130                        | 21.130 | (1.016)  | 106   | 2414591  | 50.0000         | 57.344            | 80.00- 120.00  | 100.00 |  |
| 21.130                        | 21.130 | (1.016)  | 91    | 4867839  |                 |                   | 149.87- 249.87 | 201.60 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 130 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |        |  |
| 21.849                        | 21.849 | (1.051)  | 106   | 2294486  | 50.0000         | 57.285            | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 130 o-Xylene (continued)                     |        |          |       |          |                 |                |                |        |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 4831196  |                 |                | 160.56- 260.56 | 210.56 |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |        |  |
| 21.876                                       | 21.876 | (1.052)  | 104   | 3731947  | 50.0000         | 60.816         | 80.00- 120.00  | 100.00 |  |
| 21.876                                       | 21.876 | (1.052)  | 78    | 1927539  |                 |                | 1.65- 101.65   | 51.65  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |        |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 2955362  | 50.0000         | 57.842         | 80.00- 120.00  | 100.00 |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 1502352  |                 |                | 0.83- 100.83   | 50.83  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |                 |                |                |        |  |
| 22.429                                       | 22.429 | (1.078)  | 105   | 6407360  | 50.0000         | 57.992         | 80.00- 120.00  | 100.00 |  |
| 22.429                                       | 22.429 | (1.078)  | 120   | 1652751  |                 |                | 0.00- 77.62    | 25.79  |  |
| 22.429                                       | 22.429 | (1.078)  | 51    | 552478   |                 |                | 0.00- 58.75    | 8.62   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |        |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 3607778  | 50.0000         | 56.152         | 80.00- 120.00  | 100.00 |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 2344026  |                 |                | 14.97- 114.97  | 64.97  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |                 |                |                |        |  |
| 23.121                                       | 23.121 | (1.112)  | 91    | 8205341  | 50.0000         | 57.289         | 80.00- 120.00  | 100.00 |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 1793463  |                 |                | 0.00- 71.63    | 21.86  |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 296421   |                 |                | 0.00- 53.71    | 3.61   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |        |  |
| 23.287                                       | 23.287 | (1.120)  | 105   | 7178250  | 50.0000         | 58.874         | 80.00- 120.00  | 100.00 |  |
| 23.287                                       | 23.287 | (1.120)  | 120   | 2114319  |                 |                | 0.00- 79.45    | 29.45  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |        |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 5894923  | 50.0000         | 56.678         | 80.00- 120.00  | 100.00 |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 2902725  |                 |                | 0.00- 98.23    | 49.24  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |        |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 5651142  | 50.0000         | 57.660         | 80.00- 120.00  | 100.00 |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 2609535  |                 |                | 0.00- 94.91    | 46.18  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |        |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 3854517  | 50.0000         | 54.719         | 80.00- 120.00  | 100.00 |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 2445415  |                 |                | 14.68- 114.68  | 63.44  |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 1597557  |                 |                | 0.00- 91.36    | 41.45  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |        |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 3989830  | 50.0000         | 55.044         | 80.00- 120.00  | 100.00 |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 2558342  |                 |                | 16.09- 116.09  | 64.12  |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 1588487  |                 |                | 0.00- 90.13    | 39.81  |  |
| -----  |        |          |       |          |                 |                |                |        |  |

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020611.d

Calibration Time: 17:13

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 50ppbv

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

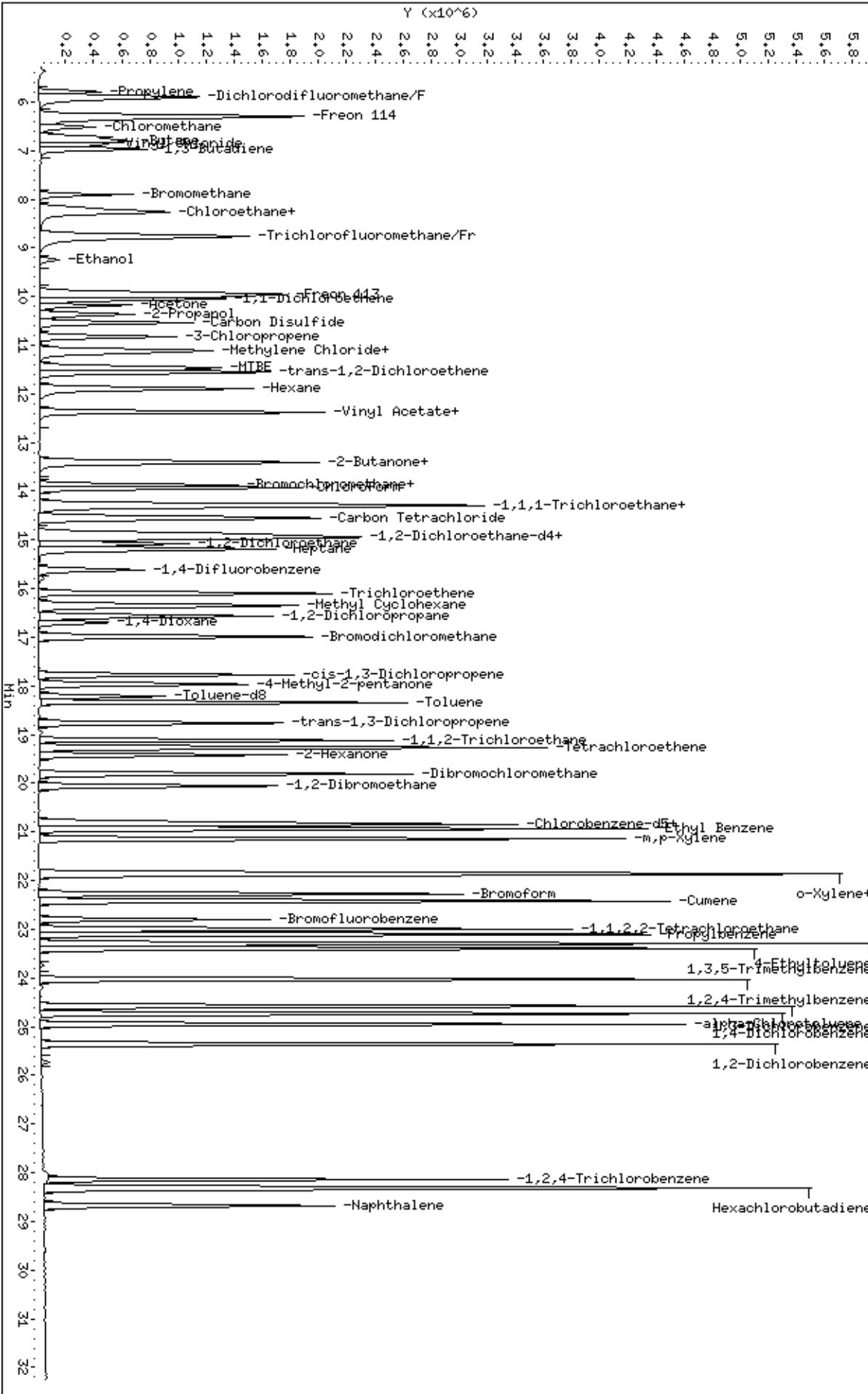
| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 81 Bromochloromethan | 13.89    | 13.56    | 14.22 | 13.89  | 0.00  |
| 97 1,4-Difluorobenze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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020612.d  
 Lab Smp Id: ICAL Client Smp ID: Level 6  
 Inj Date : 06-FEB-2008 17:51  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 100ml #1576-261  
 Misc Info : 200ppbv -> 100ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 17:51 Cal File: t020612.d  
 Als bottle: 1 Calibration Sample, Level: 6  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |               |        |  |
|---|--------|----------|-------|----------|---------|--------|---------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====         | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |               |        |  |
| 13.886  | 13.886 | (1.000)  | 130   | 351121   | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 13.886  | 13.886 | (1.000)  | 128   | 271306   |         |        | 26.39- 126.39 | 77.27  |  |
| 13.886  | 13.886 | (1.000)  | 49    | 815040   |         |        | 99.95- 199.95 | 232.13 |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |               |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1413120  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 227247   |         |        | 0.00- 66.12   | 16.08  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |               |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1281401  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 729950   |         |        | 6.72- 106.72  | 56.96  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |               |        |  |
| 14.936  | 14.936 | (1.076)  | 65    | 598616   | 25.0000 | 26.495 | 50.00- 150.00 | 100.00 |  |
| 14.936  | 14.936 | (1.076)  | 67    | 374153   |         |        | 3.57- 103.57  | 62.50  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |               |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1378362  | 25.0000 | 25.322 | 50.00- 150.00 | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 155982   |         |        | 0.00- 61.29   | 11.32  |  |

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

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



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

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

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

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

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020612.d

Calibration Time: 17:13

Lab Smp Id: ICAL

Client Smp ID: Level 6

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 100ppbv

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

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

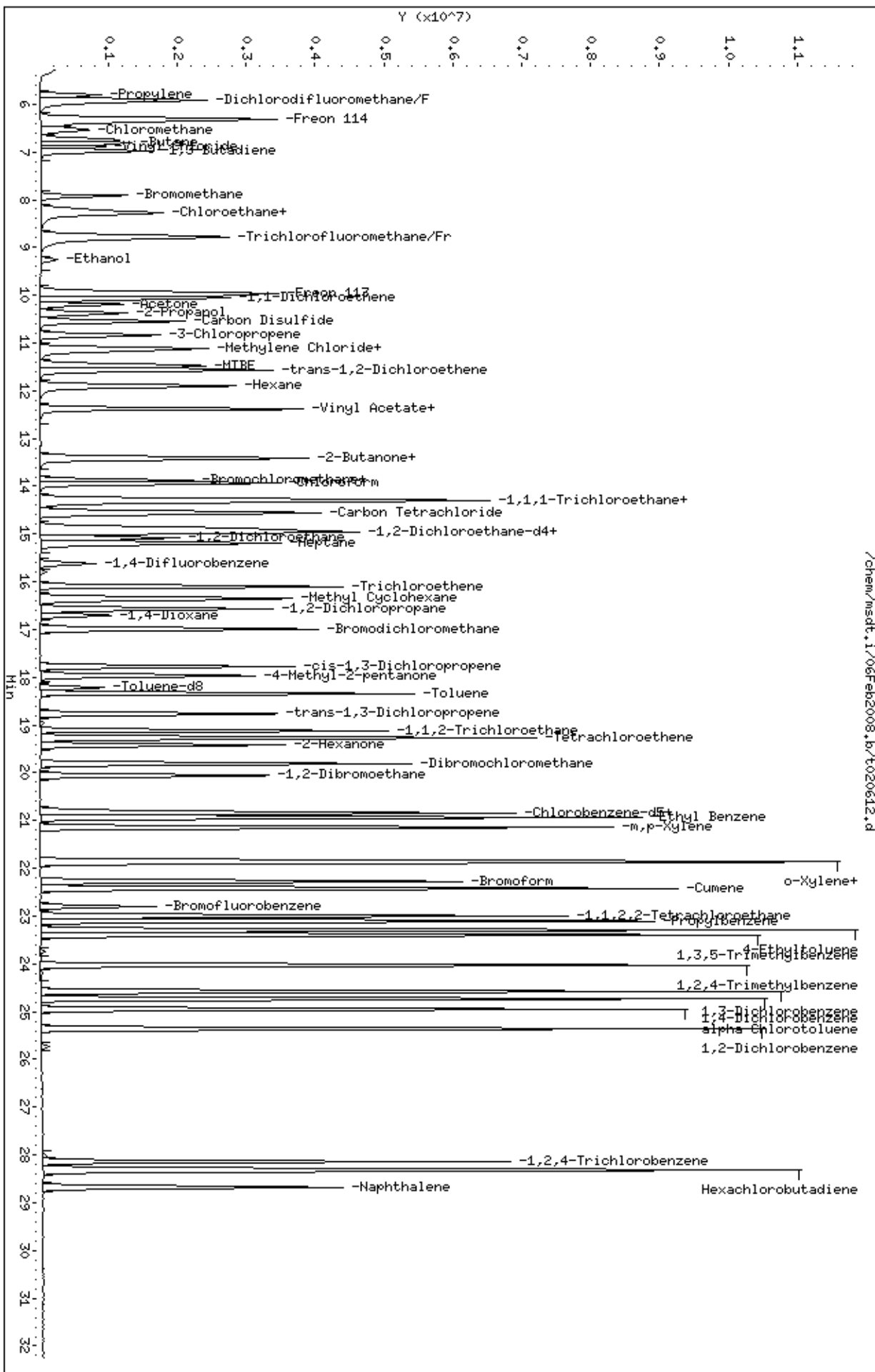
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

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

Column phase: RTX-624

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



/chem/msdt,i/06Feb2008,b/t020612.d

Report Date: 07-Feb-2008 08:39

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/06Feb2008.b/t020613.d  
 Lab Smp Id: ICAL Client Smp ID: Level 7  
 Inj Date : 06-FEB-2008 19:41  
 Operator : srs Inst ID: msdt.i  
 Smp Info : 200ml #1576-261  
 Misc Info : 200ppbv -> 200ppbv  
 Comment :  
 Method : /chem/msdt.i/06Feb2008.b/t14q206a.m  
 Meth Date : 07-Feb-2008 08:39 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 19:41 Cal File: t020613.d  
 Als bottle: 1 Calibration Sample, Level: 7  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04mdl+ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |               |        |  |
|---|--------|----------|-------|----------|---------|--------|---------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE  | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====         | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |               |        |  |
| 13.858  | 13.858 | (1.000)  | 130   | 350438   | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 13.858  | 13.858 | (1.000)  | 128   | 265413   |         |        | 26.39- 126.39 | 75.74  |  |
| 13.941  | 13.941 | (1.000)  | 49    | 1193106  |         |        | 99.95- 199.95 | 340.46 |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |               |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1410298  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 224026   |         |        | 0.00- 66.12   | 15.89  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |               |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1300571  | 25.0000 |        | 50.00- 150.00 | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 741297   |         |        | 6.72- 106.72  | 57.00  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |               |        |  |
| 14.936  | 14.936 | (1.078)  | 65    | 620117   | 25.0000 | 27.500 | 50.00- 150.00 | 100.00 |  |
| 14.936  | 14.936 | (1.078)  | 67    | 455931   |         |        | 3.57- 103.57  | 73.52  |  |
| -----   |        |          |       |          |         |        |               |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |               |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1394007  | 25.0000 | 25.661 | 50.00- 150.00 | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 165109   |         |        | 0.00- 61.29   | 11.84  |  |



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

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

| AMOUNTS                   |        |          |       |          |                 |                 |                |           |       |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|-----------|-------|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO     |       |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====     | ===== |
| 65 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |           |       |
| 11.895                    | 11.895 | (0.858)  | 57    | 7233259  | 200.000         | 229.72          | 50.00- 150.00  | 100.00(A) |       |
| 11.895                    | 11.895 | (0.858)  | 43    | 4071333  |                 |                 | 9.30- 109.30   | 56.29     |       |
| 11.895                    | 11.895 | (0.858)  | 86    | 1297193  |                 |                 | 0.00- 66.83    | 17.93     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 69 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |           |       |
| 12.365                    | 12.365 | (0.892)  | 86    | 1342153  | 200.000         | 217.41          | 50.00- 150.00  | 100.00(A) |       |
| 12.337                    | 12.337 | (0.890)  | 43    | 12158868 |                 |                 | 832.23- 932.23 | 905.92    |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 70 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |           |       |
| 12.365                    | 12.365 | (0.892)  | 63    | 9074032  | 200.000         | 205.97          | 50.00- 150.00  | 100.00(A) |       |
| 12.365                    | 12.365 | (0.892)  | 65    | 2933179  |                 |                 | 0.00- 82.79    | 32.32     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 75 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |           |       |
| 13.388                    | 13.388 | (0.966)  | 72    | 2599379  | 200.000         | 231.91          | 50.00- 150.00  | 100.00(A) |       |
| 13.388                    | 13.388 | (0.966)  | 43    | 8515666  |                 |                 | 275.22- 375.22 | 327.60    |       |
| 13.388                    | 13.388 | (0.966)  | 57    | 765435   |                 |                 | 0.00- 79.56    | 29.45     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 76 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |           |       |
| 13.416                    | 13.416 | (0.968)  | 61    | 6245688  | 200.000         | 210.70          | 50.00- 150.00  | 100.00(A) |       |
| 13.416                    | 13.416 | (0.968)  | 96    | 4941404  |                 |                 | 27.39- 127.39  | 79.12     |       |
| 13.416                    | 13.416 | (0.968)  | 98    | 3177917  |                 |                 | 0.96- 100.96   | 50.88     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 80 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |           |       |
| 13.858                    | 13.858 | (1.000)  | 42    | 4241211  | 200.000         | 224.34          | 50.00- 150.00  | 100.00(A) |       |
| 13.858                    | 13.858 | (1.000)  | 71    | 2262935  |                 |                 | 0.00- 99.16    | 53.36     |       |
| 13.858                    | 13.858 | (1.000)  | 72    | 2415736  |                 |                 | 2.04- 102.04   | 56.96     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 82 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |           |       |
| 13.941                    | 13.941 | (1.006)  | 83    | 10890508 | 200.000         | 213.97          | 50.00- 150.00  | 100.00(A) |       |
| 13.941                    | 13.941 | (1.006)  | 85    | 7079254  |                 |                 | 16.43- 116.43  | 65.00     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 83 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |           |       |
| 14.273                    | 14.273 | (1.030)  | 97    | 12157336 | 200.000         | 215.95          | 50.00- 150.00  | 100.00(A) |       |
| 14.273                    | 14.273 | (1.030)  | 99    | 7830263  |                 |                 | 17.45- 117.45  | 64.41     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 85 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |           |       |
| 14.300                    | 14.300 | (1.032)  | 84    | 6882951  | 200.000         | 228.34          | 50.00- 150.00  | 100.00(A) |       |
| 14.300                    | 14.300 | (1.032)  | 56    | 6804949  |                 |                 | 47.55- 147.55  | 98.87     |       |
| 14.300                    | 14.300 | (1.032)  | 41    | 3514830  |                 |                 | 5.12- 105.12   | 51.07     |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 87 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |           |       |
| 14.549                    | 14.549 | (1.050)  | 119   | 11440648 | 200.000         | 211.56          | 50.00- 150.00  | 100.00(A) |       |
| 14.522                    | 14.522 | (1.048)  | 117   | 12169445 |                 |                 | 53.78- 153.78  | 106.37    |       |
| -----                     |        |          |       |          |                 |                 |                |           |       |
| 91 Benzene                |        |          |       |          |                 | CAS #: 71-43-2  |                |           |       |
| 14.964                    | 14.964 | (0.958)  | 78    | 14800821 | 200.000         | 209.93          | 50.00- 150.00  | 100.00(A) |       |

| AMOUNTS                                       |        |          |       |          |                 |                |                |           |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 91 Benzene (continued)                        |        |          |       |          |                 |                |                |           |  |
| 14.964  | 14.964 | (0.958)  | 77    | 3350560  |                 |                | 0.00- 73.50    | 22.64     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 89 2,2,4-Trimethylpentane CAS #: 540-84-1     |        |          |       |          |                 |                |                |           |  |
| 14.881  | 14.881 | (1.074)  | 57    | 17411392 | 200.000         | 236.90         | 50.00- 150.00  | 100.00(A) |  |
| 14.881  | 14.881 | (1.074)  | 56    | 5614080  |                 |                | 0.00- 82.82    | 32.24     |  |
| 14.881  | 14.881 | (1.074)  | 41    | 4444106  |                 |                | 0.00- 78.43    | 25.52     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                 |                |                |           |  |
| 15.075  | 15.075 | (0.965)  | 62    | 6990152  | 200.000         | 203.22         | 50.00- 150.00  | 100.00(A) |  |
| 15.075  | 15.075 | (0.965)  | 64    | 2256443  |                 |                | 0.00- 84.23    | 32.28     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                 |                |                |           |  |
| 15.185  | 15.185 | (0.972)  | 71    | 4422042  | 200.000         | 221.58         | 50.00- 150.00  | 100.00(A) |  |
| 15.185  | 15.185 | (0.972)  | 43    | 6011920  |                 |                | 85.70- 185.70  | 135.95    |  |
| 15.185  | 15.185 | (0.972)  | 57    | 3678586  |                 |                | 28.72- 128.72  | 83.19     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                 |                |                |           |  |
| 16.070  | 16.070 | (1.028)  | 95    | 6441042  | 200.000         | 213.30         | 50.00- 150.00  | 100.00(A) |  |
| 16.070  | 16.070 | (1.028)  | 130   | 5805098  |                 |                | 42.94- 142.94  | 90.13     |  |
| 16.070  | 16.070 | (1.028)  | 97    | 4097149  |                 |                | 13.25- 113.25  | 63.61     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                 |                |                |           |  |
| 16.568  | 16.568 | (1.060)  | 63    | 5092409  | 200.000         | 214.08         | 50.00- 150.00  | 100.00(A) |  |
| 16.568  | 16.568 | (1.060)  | 62    | 3626964  |                 |                | 21.32- 121.32  | 71.22     |  |
| 16.568  | 16.568 | (1.060)  | 41    | 2709468  |                 |                | 8.96- 108.96   | 53.21     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                 |                |                |           |  |
| 16.678  | 16.678 | (1.067)  | 88    | 3666409  | 200.000         | 210.57         | 50.00- 150.00  | 100.00(A) |  |
| 16.678  | 16.678 | (1.067)  | 58    | 2113855  |                 |                | 9.36- 109.36   | 57.65     |  |
| 16.678  | 16.678 | (1.067)  | 57    | 748945   |                 |                | 0.00- 71.19    | 20.43     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                 |                |                |           |  |
| 16.982  | 16.982 | (1.087)  | 83    | 11426189 | 200.000         | 211.43         | 50.00- 150.00  | 100.00(A) |  |
| 16.982  | 16.982 | (1.087)  | 85    | 7356832  |                 |                | 13.51- 113.51  | 64.39     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                 |                |                |           |  |
| 17.784  | 17.784 | (1.138)  | 75    | 8131434  | 200.000         | 224.33         | 50.00- 150.00  | 100.00(A) |  |
| 17.784  | 17.784 | (1.138)  | 77    | 2581563  |                 |                | 0.00- 84.89    | 31.75     |  |
| 17.784  | 17.784 | (1.138)  | 39    | 3559732  |                 |                | 0.00- 97.13    | 43.78     |  |
| -----   |        |          |       |          |                 |                |                |           |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                 |                |                |           |  |
| 17.950  | 17.950 | (1.149)  | 58    | 4047096  | 200.000         | 245.73         | 50.00- 150.00  | 100.00(A) |  |
| 17.950  | 17.950 | (1.149)  | 43    | 9172795  |                 |                | 175.34- 275.34 | 226.65    |  |
| 17.978  | 17.978 | (1.150)  | 85    | 2017083  |                 |                | 0.64- 100.64   | 49.84     |  |
| -----   |        |          |       |          |                 |                |                |           |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO     |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 114 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |           |  |
| 18.337                        | 18.337 | (1.173)  | 91    | 16544347 | 200.000         | 220.07            | 50.00- 150.00  | 100.00(A) |  |
| 18.337                        | 18.337 | (1.173)  | 92    | 9944276  |                 |                   | 11.62- 111.62  | 60.11     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 116 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |           |  |
| 18.752                        | 18.752 | (0.902)  | 75    | 8853621  | 200.000         | 215.39            | 50.00- 150.00  | 100.00(A) |  |
| 18.752                        | 18.752 | (0.902)  | 77    | 2800007  |                 |                   | 0.00- 81.86    | 31.63     |  |
| 18.752                        | 18.752 | (0.902)  | 39    | 3605430  |                 |                   | 0.00- 91.58    | 40.72     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 117 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |           |  |
| 19.111                        | 19.111 | (0.919)  | 97    | 6145241  | 200.000         | 207.43            | 50.00- 150.00  | 100.00(A) |  |
| 19.111                        | 19.111 | (0.919)  | 99    | 3885491  |                 |                   | 13.21- 113.21  | 63.23     |  |
| 19.111                        | 19.111 | (0.919)  | 83    | 5273029  |                 |                   | 35.76- 135.76  | 85.81     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 120 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |           |  |
| 19.277                        | 19.277 | (0.927)  | 166   | 8171986  | 200.000         | 205.86            | 50.00- 150.00  | 100.00(A) |  |
| 19.277                        | 19.277 | (0.927)  | 129   | 5618493  |                 |                   | 19.36- 119.36  | 68.75     |  |
| 19.277                        | 19.277 | (0.927)  | 131   | 5327701  |                 |                   | 16.43- 116.43  | 65.19     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 121 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |           |  |
| 19.416                        | 19.416 | (0.934)  | 58    | 5507463  | 200.000         | 222.01            | 50.00- 150.00  | 100.00(A) |  |
| 19.416                        | 19.416 | (0.934)  | 43    | 9126801  |                 |                   | 124.96- 224.96 | 165.72    |  |
| 19.416                        | 19.416 | (0.934)  | 100   | 1159888  |                 |                   | 0.00- 71.71    | 21.06     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 122 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |           |  |
| 19.803                        | 19.803 | (0.952)  | 129   | 10771050 | 200.000         | 213.53            | 50.00- 150.00  | 100.00(A) |  |
| 19.803                        | 19.803 | (0.952)  | 127   | 8255102  |                 |                   | 28.82- 128.82  | 76.64     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 123 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |           |  |
| 20.051                        | 20.051 | (0.964)  | 107   | 10275074 | 200.000         | 218.05            | 50.00- 150.00  | 100.00(A) |  |
| 20.051                        | 20.051 | (0.964)  | 109   | 9488081  |                 |                   | 46.68- 146.68  | 92.34     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 127 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |           |  |
| 20.853                        | 20.853 | (1.003)  | 112   | 14309057 | 200.000         | 209.22            | 50.00- 150.00  | 100.00(A) |  |
| 20.853                        | 20.853 | (1.003)  | 114   | 4444592  |                 |                   | 0.00- 82.06    | 31.06     |  |
| 20.853                        | 20.853 | (1.003)  | 77    | 8989067  |                 |                   | 22.53- 122.53  | 62.82     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |           |  |
| 20.936                        | 20.936 | (1.007)  | 106   | 7668400  | 200.000         | 216.40            | 50.00- 150.00  | 100.00(A) |  |
| 20.936                        | 20.936 | (1.007)  | 91    | 25064309 |                 |                   | 269.96- 369.96 | 326.85    |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 129 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |           |  |
| 21.130                        | 21.130 | (1.016)  | 106   | 9936021  | 200.000         | 222.67            | 50.00- 150.00  | 100.00(A) |  |
| 21.130                        | 21.130 | (1.016)  | 91    | 20223905 |                 |                   | 149.87- 249.87 | 203.54    |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 130 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |           |  |
| 21.849                        | 21.849 | (1.051)  | 106   | 9402725  | 200.000         | 221.52            | 50.00- 150.00  | 100.00(A) |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |           |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 130 o-Xylene (continued)                     |        |          |       |          |                 |                |                |           |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 20307931 |                 |                | 160.81- 260.81 | 215.98    |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |           |  |
| 21.876                                       | 21.876 | (1.052)  | 104   | 15871642 | 200.000         | 244.07         | 50.00- 150.00  | 100.00(A) |  |
| 21.876                                       | 21.876 | (1.052)  | 78    | 8023544  |                 |                | 9.02- 109.02   | 50.55     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |           |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 12025424 | 200.000         | 222.10         | 50.00- 150.00  | 100.00(A) |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 6154800  |                 |                | 1.83- 101.83   | 51.18     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |                 |                |                |           |  |
| 22.429                                       | 22.429 | (1.078)  | 105   | 26972899 | 200.000         | 230.37         | 50.00- 150.00  | 100.00(A) |  |
| 22.429                                       | 22.429 | (1.078)  | 120   | 6825383  |                 |                | 0.00- 77.62    | 25.30     |  |
| 22.402                                       | 22.402 | (1.077)  | 51    | 2239931  |                 |                | 0.00- 58.75    | 8.30      |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |           |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 15030605 | 200.000         | 220.75         | 50.00- 150.00  | 100.00(A) |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 9664787  |                 |                | 16.89- 116.89  | 64.30     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |                 |                |                |           |  |
| 23.093                                       | 23.093 | (1.110)  | 91    | 31493566 | 200.000         | 207.49         | 50.00- 150.00  | 100.00(A) |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 7318775  |                 |                | 0.00- 71.63    | 23.24     |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 1221513  |                 |                | 0.00- 53.71    | 3.88      |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |           |  |
| 23.286                                       | 23.286 | (1.120)  | 105   | 26455136 | 200.000         | 204.75         | 50.00- 150.00  | 100.00(A) |  |
| 23.286                                       | 23.286 | (1.120)  | 120   | 8661852  |                 |                | 0.00- 79.69    | 32.74     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |           |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 24464891 | 200.000         | 221.96         | 50.00- 150.00  | 100.00(A) |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 11830853 |                 |                | 0.00- 98.23    | 48.36     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |           |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 23660053 | 200.000         | 227.80         | 50.00- 150.00  | 100.00(A) |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 10670397 |                 |                | 0.00- 94.91    | 45.10     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |           |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 15896139 | 200.000         | 212.94         | 50.00- 150.00  | 100.00(A) |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 10085107 |                 |                | 14.68- 114.68  | 63.44     |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 6558811  |                 |                | 0.00- 91.36    | 41.26     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |           |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 16485506 | 200.000         | 214.62         | 50.00- 150.00  | 100.00(A) |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 10467681 |                 |                | 16.09- 116.09  | 63.50     |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 6472835  |                 |                | 0.00- 90.13    | 39.26     |  |
| -----  |        |          |       |          |                 |                |                |           |  |

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

QC Flag Legend

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

Report Date: 07-Feb-2008 08:39

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 06-FEB-2008

Lab File ID: t020613.d

Calibration Time: 17:13

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: srs

Method File: /chem/msdt.i/06Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 200ppbv

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

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

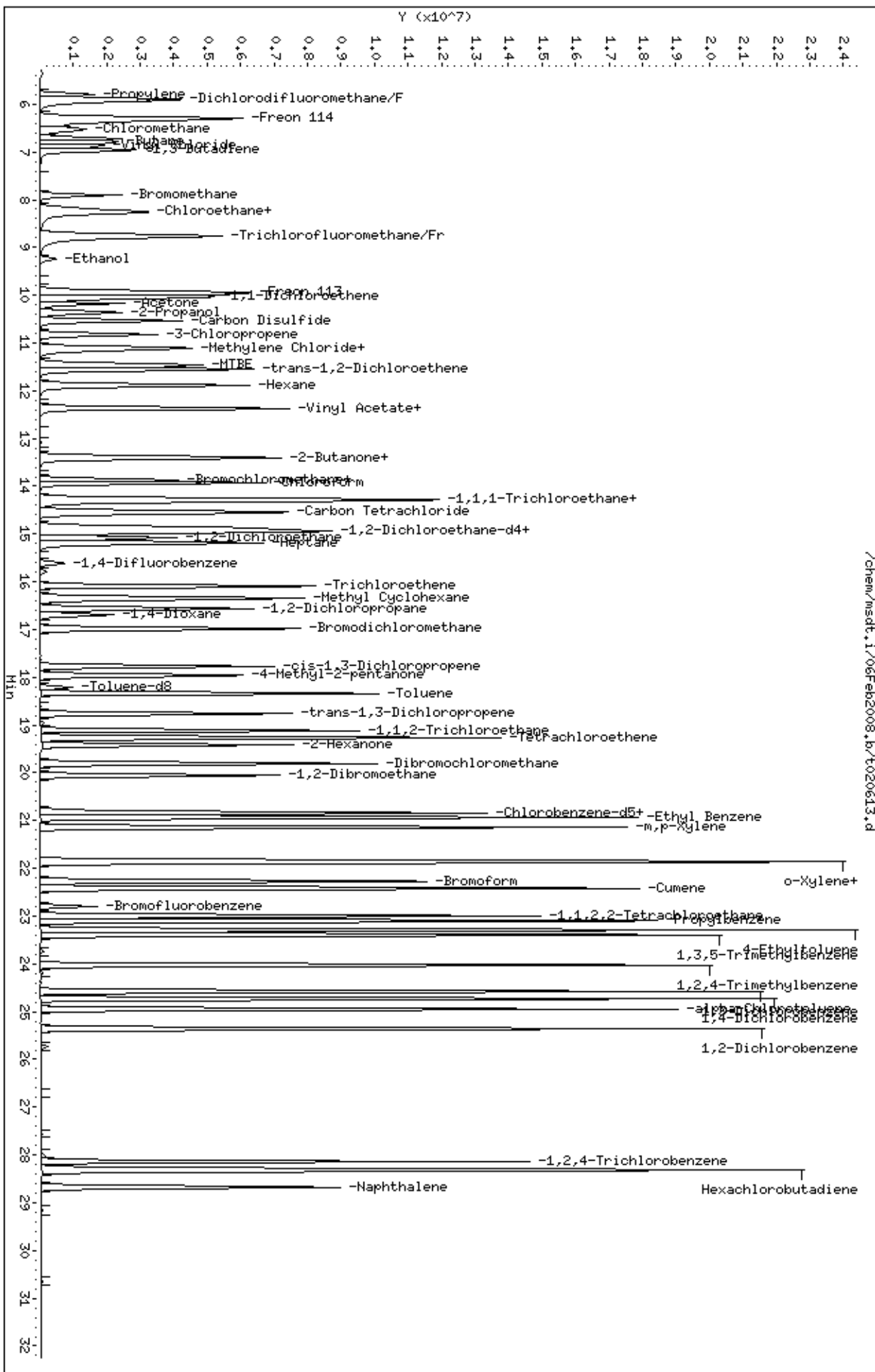
AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.







AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802175-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | t021502 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 2/15/08 09:08 AM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Freon 12                  | 111       |
| Freon 114                 | 106       |
| Vinyl Chloride            | 106       |
| Bromomethane              | 102       |
| Chloroethane              | 111       |
| Freon 11                  | 109       |
| 1,1-Dichloroethene        | 110       |
| Freon 113                 | 101       |
| Methylene Chloride        | 106       |
| 1,1-Dichloroethane        | 112       |
| cis-1,2-Dichloroethene    | 113       |
| Chloroform                | 116       |
| 1,1,1-Trichloroethane     | 115       |
| Carbon Tetrachloride      | 115       |
| Benzene                   | 108       |
| 1,2-Dichloroethane        | 112       |
| Trichloroethene           | 109       |
| 1,2-Dichloropropane       | 112       |
| cis-1,3-Dichloropropene   | 116       |
| Toluene                   | 113       |
| trans-1,3-Dichloropropene | 112       |
| 1,1,2-Trichloroethane     | 108       |
| Tetrachloroethene         | 110       |
| 1,2-Dibromoethane (EDB)   | 112       |
| Chlorobenzene             | 107       |
| Ethyl Benzene             | 112       |
| m,p-Xylene                | 114       |
| o-Xylene                  | 112       |
| Styrene                   | 120       |
| 1,1,2,2-Tetrachloroethane | 110       |
| 1,3,5-Trimethylbenzene    | 110       |
| 1,2,4-Trimethylbenzene    | 113       |
| 1,3-Dichlorobenzene       | 108       |
| 1,4-Dichlorobenzene       | 109       |
| alpha-Chlorotoluene       | 115       |
| 1,2-Dichlorobenzene       | 108       |
| 1,3-Butadiene             | 111       |
| Hexane                    | 115       |
| Cyclohexane               | 113       |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0802175-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | t021502 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 2/15/08 09:08 AM |

| Compound                         | %Recovery |
|----------------------------------|-----------|
| Heptane                          | 116       |
| Bromodichloromethane             | 113       |
| Dibromochloromethane             | 115       |
| Cumene                           | 114       |
| Propylbenzene                    | 114       |
| Chloromethane                    | 107       |
| 1,2,4-Trichlorobenzene           | 97        |
| Hexachlorobutadiene              | 94        |
| Acetone                          | 105       |
| Carbon Disulfide                 | 104       |
| 2-Propanol                       | 112       |
| trans-1,2-Dichloroethene         | 109       |
| 2-Butanone (Methyl Ethyl Ketone) | 111       |
| Tetrahydrofuran                  | 119       |
| 1,4-Dioxane                      | 106       |
| 4-Methyl-2-pentanone             | 123       |
| 2-Hexanone                       | 112       |
| Bromoform                        | 113       |
| 4-Ethyltoluene                   | 116       |
| Ethanol                          | 111       |
| Methyl tert-butyl ether          | 126       |
| 3-Chloropropene                  | 105       |
| 2,2,4-Trimethylpentane           | 120       |
| Naphthalene                      | 99        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 105       | 70-130        |
| 1,2-Dichloroethane-d4 | 108       | 70-130        |
| 4-Bromofluorobenzene  | 104       | 70-130        |

Report Date: 15-Feb-2008 09:26

## Air Toxics Ltd.

## CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i                      Injection Date: 15-FEB-2008 09:08  
 Lab File ID: t021502.d                  Init. Cal. Date(s): 06-FEB-2008 06-FEB-2008  
 Analysis Type: AIR                        Init. Cal. Times: 14:27 22:02  
 Lab Sample ID: CCV-1                    Quant Type: ISTD  
 Method: /chem/msdt.i/15Feb2008.b/t14q206a.m

| COMPOUND                       | RRF / AMOUNT | RF50    | MIN RRF | %D / %DRIFT | MAX %D / %DRIFT | CURVE TYPE |
|--------------------------------|--------------|---------|---------|-------------|-----------------|------------|
| \$ 90 1,2-Dichloroethane-d4    | 1.60865      | 1.73187 | 0.010   | -7.66046    | 30.00000        | Averaged   |
| \$ 113 Toluene-d8              | 0.96300      | 1.01330 | 0.010   | -5.22274    | 30.00000        | Averaged   |
| \$ 137 Bromofluorobenzene      | 0.64665      | 0.67148 | 0.010   | -3.84031    | 30.00000        | Averaged   |
| 11 Propylene                   | 0.81770      | 0.88113 | 0.010   | -7.75826    | 30.00000        | Averaged   |
| 12 Dichlorodifluoromethane/Fr1 | 4.88168      | 5.42592 | 0.010   | -11.14865   | 30.00000        | Averaged   |
| 16 Freon 114                   | 3.22698      | 3.41642 | 0.010   | -5.87039    | 30.00000        | Averaged   |
| 18 Chloromethane               | 1.06576      | 1.14221 | 0.010   | -7.17366    | 30.00000        | Averaged   |
| 20 Vinyl Chloride              | 1.46323      | 1.55128 | 0.010   | -6.01735    | 30.00000        | Averaged   |
| 22 1,3-Butadiene               | 1.10115      | 1.22585 | 0.010   | -11.32458   | 30.00000        | Averaged   |
| 25 Bromomethane                | 1.44878      | 1.47688 | 0.010   | -1.93970    | 30.00000        | Averaged   |
| 27 Chloroethane                | 0.76312      | 0.84798 | 0.010   | -11.11976   | 30.00000        | Averaged   |
| 31 Trichlorofluoromethane/Fr11 | 5.52640      | 6.01009 | 0.010   | -8.75247    | 30.00000        | Averaged   |
| 38 Ethanol                     | 0.42283      | 0.46784 | 0.010   | -10.64471   | 30.00000        | Averaged   |
| 42 Freon 113                   | 2.54471      | 2.57876 | 0.010   | -1.33813    | 30.00000        | Averaged   |
| 43 1,1-Dichloroethene          | 2.29053      | 2.51592 | 0.010   | -9.83971    | 30.00000        | Averaged   |
| 45 Acetone                     | 0.70987      | 0.74481 | 0.010   | -4.92114    | 30.00000        | Averaged   |
| 46 2-Propanol                  | 2.43274      | 2.73063 | 0.010   | -12.24508   | 30.00000        | Averaged   |
| 47 Carbon Disulfide            | 4.33254      | 4.52394 | 0.010   | -4.41766    | 30.00000        | Averaged   |
| 51 3-Chloropropene             | 0.74606      | 0.78405 | 0.010   | -5.09273    | 30.00000        | Averaged   |
| 54 Methylene Chloride          | 1.44840      | 1.53918 | 0.010   | -6.26796    | 30.00000        | Averaged   |
| 60 MTBE                        | 4.15810      | 5.24124 | 0.010   | -26.04897   | 30.00000        | Averaged   |
| 61 trans-1,2-Dichloroethene    | 1.70224      | 1.86100 | 0.010   | -9.32697    | 30.00000        | Averaged   |
| 65 Hexane                      | 2.24629      | 2.57877 | 0.010   | -14.80149   | 30.00000        | Averaged   |
| 69 Vinyl Acetate               | 0.44040      | 0.45454 | 0.010   | -3.21053    | 30.00000        | Averaged   |
| 70 1,1-Dichloroethane          | 3.14283      | 3.50555 | 0.010   | -11.54095   | 30.00000        | Averaged   |
| 75 2-Butanone                  | 0.79961      | 0.89028 | 0.010   | -11.33924   | 30.00000        | Averaged   |
| 76 cis-1,2-Dichloroethene      | 2.11467      | 2.39874 | 0.010   | -13.43309   | 30.00000        | Averaged   |
| 80 Tetrahydrofuran             | 1.34868      | 1.60226 | 0.010   | -18.80165   | 30.00000        | Averaged   |
| 82 Chloroform                  | 3.63101      | 4.21699 | 0.010   | -16.13830   | 30.00000        | Averaged   |
| 83 1,1,1-Trichloroethane       | 4.01616      | 4.60791 | 0.010   | -14.73428   | 30.00000        | Averaged   |
| 85 Cyclohexane                 | 2.15044      | 2.43218 | 0.010   | -13.10167   | 30.00000        | Averaged   |
| 87 Carbon Tetrachloride        | 3.85789      | 4.43438 | 0.010   | -14.94311   | 30.00000        | Averaged   |
| 89 2,2,4-Trimethylpentane      | 5.24329      | 6.31827 | 0.010   | -20.50198   | 30.00000        | Averaged   |
| 91 Benzene                     | 1.24979      | 1.34434 | 0.010   | -7.56570    | 30.00000        | Averaged   |
| 93 1,2-Dichloroethane          | 0.60974      | 0.68095 | 0.010   | -11.67920   | 30.00000        | Averaged   |

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msdt.i                    Injection Date: 15-FEB-2008 09:08  
 Lab File ID: t021502.d                Init. Cal. Date(s): 06-FEB-2008 06-FEB-2008  
 Analysis Type: AIR                    Init. Cal. Times: 14:27 22:02  
 Lab Sample ID: CCV-1                 Quant Type: ISTD  
 Method: /chem/msdt.i/15Feb2008.b/t14q206a.m

| COMPOUND                      | RRF / AMOUNT | RF50    | MIN               | MAX         | CURVE TYPE |
|-------------------------------|--------------|---------|-------------------|-------------|------------|
|                               |              |         | RRF   %D / %DRIFT | %D / %DRIFT |            |
| 94 Heptane                    | 0.35378      | 0.41086 | 0.010   -16.13631 | 30.00000    | Averaged   |
| 101 Trichloroethene           | 0.53529      | 0.58612 | 0.010   -9.49495  | 30.00000    | Averaged   |
| 104 1,2-Dichloropropane       | 0.42168      | 0.47182 | 0.010   -11.88971 | 30.00000    | Averaged   |
| 106 1,4-Dioxane               | 0.30866      | 0.32628 | 0.010   -5.71104  | 30.00000    | Averaged   |
| 107 Bromodichloromethane      | 0.95798      | 1.08630 | 0.010   -13.39463 | 30.00000    | Averaged   |
| 110 cis-1,3-Dichloropropene   | 0.64255      | 0.74306 | 0.010   -15.64247 | 30.00000    | Averaged   |
| 111 4-Methyl-2-pentanone      | 0.29195      | 0.35842 | 0.010   -22.76571 | 30.00000    | Averaged   |
| 114 Toluene                   | 1.33263      | 1.50918 | 0.010   -13.24848 | 30.00000    | Averaged   |
| 116 trans-1,3-Dichloropropene | 0.79014      | 0.88656 | 0.010   -12.20259 | 30.00000    | Averaged   |
| 117 1,1,2-Trichloroethane     | 0.56947      | 0.61752 | 0.010   -8.43715  | 30.00000    | Averaged   |
| 120 Tetrachloroethene         | 0.76308      | 0.83694 | 0.010   -9.67884  | 30.00000    | Averaged   |
| 121 2-Hexanone                | 0.47685      | 0.53263 | 0.010   -11.69658 | 30.00000    | Averaged   |
| 122 Dibromochloromethane      | 0.96963      | 1.11214 | 0.010   -14.69719 | 30.00000    | Averaged   |
| 123 1,2-Dibromoethane         | 0.90581      | 1.01653 | 0.010   -12.22373 | 30.00000    | Averaged   |
| 127 Chlorobenzene             | 1.31466      | 1.40633 | 0.010   -6.97275  | 30.00000    | Averaged   |
| 128 Ethyl Benzene             | 0.68116      | 0.76250 | 0.010   -11.94130 | 30.00000    | Averaged   |
| 129 m,p-Xylene                | 0.85774      | 0.97434 | 0.010   -13.59404 | 30.00000    | Averaged   |
| 130 o-Xylene                  | 0.81592      | 0.91430 | 0.010   -12.05756 | 30.00000    | Averaged   |
| 131 Styrene                   | 1.25002      | 1.50497 | 0.010   -20.39548 | 30.00000    | Averaged   |
| 133 Bromoform                 | 1.04080      | 1.17977 | 0.010   -13.35241 | 30.00000    | Averaged   |
| 134 Cumene                    | 2.25068      | 2.57015 | 0.010   -14.19422 | 30.00000    | Averaged   |
| 140 1,1,2,2-Tetrachloroethane | 1.30880      | 1.44018 | 0.010   -10.03793 | 30.00000    | Averaged   |
| 142 Propylbenzene             | 2.91760      | 3.31676 | 0.010   -13.68092 | 30.00000    | Averaged   |
| 145 4-Ethyltoluene            | 2.48367      | 2.88756 | 0.010   -16.26156 | 30.00000    | Averaged   |
| 147 1,3,5-Trimethylbenzene    | 2.11868      | 2.34241 | 0.010   -10.55948 | 30.00000    | Averaged   |
| 150 1,2,4-Trimethylbenzene    | 1.99645      | 2.24958 | 0.010   -12.67854 | 30.00000    | Averaged   |
| 155 1,3-Dichlorobenzene       | 1.43495      | 1.55736 | 0.010   -8.53098  | 30.00000    | Averaged   |
| 156 1,4-Dichlorobenzene       | 1.47654      | 1.61452 | 0.010   -9.34524  | 30.00000    | Averaged   |
| 159 alpha-Chlorotoluene       | 2.13483      | 2.45513 | 0.010   -15.00338 | 30.00000    | Averaged   |
| 161 1,2-Dichlorobenzene       | 1.39783      | 1.51601 | 0.010   -8.45411  | 30.00000    | Averaged   |
| 165 1,2,4-Trichlorobenzene    | 1.06613      | 1.03356 | 0.010   3.05458   | 30.00000    | Averaged   |
| 166 Hexachlorobutadiene       | 1.07297      | 1.01477 | 0.010   5.42406   | 30.00000    | Averaged   |
| 29 Isopentane                 | 1.61629      | 1.74565 | 0.010   -8.00400  | 30.00000    | Averaged   |
| 19 Butane                     | 0.27985      | 0.30554 | 0.010   -9.17777  | 30.00000    | Averaged   |
| 102 Methyl Cyclohexane        | 2.54614      | 2.87731 | 0.010   -13.00694 | 30.00000    | Averaged   |
| 167 Naphthalene               | 1.47559      | 1.45913 | 0.010   1.11599   | 30.00000    | Averaged   |

Report Date: 15-Feb-2008 09:26

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Feb2008.b/t021502.d  
 Lab Smp Id: CCV-1 Client Smp ID: CCV-1  
 Inj Date : 15-FEB-2008 09:08  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 50mL #1576-261  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Meth Date : 15-Feb-2008 09:26 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |         |        |                |        |
|---|--------|----------|-------|----------|---------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPBV) | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |                |        |
| 13.858  | 13.858 | (1.000)  | 130   | 322081   | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 13.858  | 13.858 | (1.000)  | 128   | 255437   |         |         |        | 29.31- 129.31  | 79.31  |
| 13.858  | 13.858 | (1.000)  | 49    | 610649   |         |         |        | 139.59- 239.59 | 189.59 |
| -----   |        |          |       |          |         |         |        |                |        |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |                |        |
| 15.628  | 15.628 | (1.000)  | 114   | 1266174  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 15.628  | 15.628 | (1.000)  | 88    | 206047   |         |         |        | 0.00- 66.27    | 16.27  |
| -----   |        |          |       |          |         |         |        |                |        |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |                |        |
| 20.798  | 20.798 | (1.000)  | 117   | 1180497  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 20.798  | 20.798 | (1.000)  | 82    | 684344   |         |         |        | 6.72- 106.72   | 57.97  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |                |        |
| 14.936  | 14.936 | (1.078)  | 65    | 557804   | 25.0000 | 26.915  |        | 80.00- 120.00  | 100.00 |
| 14.936  | 14.936 | (1.078)  | 67    | 316546   |         |         |        | 3.57- 103.57   | 56.75  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |                |        |
| 18.199  | 18.199 | (1.165)  | 98    | 1283008  | 25.0000 | 26.306  |        | 80.00- 120.00  | 100.00 |
| 18.199  | 18.199 | (1.165)  | 70    | 153080   |         |         |        | 0.00- 61.29    | 11.93  |

| AMOUNTS                         |        |          |       |          |                 |                 |               |        |  |
|---------------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|--------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO  |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====  |  |
| \$ 113 Toluene-d8 (continued)   |        |          |       |          |                 |                 |               |        |  |
| 18.199                          | 18.199 | (1.165)  | 100   | 881030   |                 |                 | 18.71- 118.71 | 68.67  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| \$ 137 Bromofluorobenzene       |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 460-00-4 |               |        |  |
| 22.789                          | 22.789 | (1.096)  | 174   | 792685   | 25.0000         | 25.960          | 80.00- 120.00 | 100.00 |  |
| 22.789                          | 22.789 | (1.096)  | 95    | 988413   |                 |                 | 74.69- 174.69 | 124.69 |  |
| 22.789                          | 22.789 | (1.096)  | 176   | 775404   |                 |                 | 47.82- 147.82 | 97.82  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 11 Propylene                    |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 115-07-1 |               |        |  |
| 5.812                           | 5.812  | (0.419)  | 41    | 567593   | 50.0000         | 53.879          | 80.00- 120.00 | 100.00 |  |
| 5.812                           | 5.812  | (0.419)  | 42    | 395552   |                 |                 | 17.96- 117.96 | 69.69  |  |
| 5.812                           | 5.812  | (0.419)  | 39    | 464631   |                 |                 | 33.44- 133.44 | 81.86  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 12 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 75-71-8  |               |        |  |
| 5.923                           | 5.923  | (0.427)  | 85    | 3495171  | 50.0000         | 55.574          | 80.00- 120.00 | 100.00 |  |
| 5.923                           | 5.923  | (0.427)  | 87    | 1126394  |                 |                 | 0.00- 82.13   | 32.23  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 16 Freon 114                    |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 76-14-2  |               |        |  |
| 6.282                           | 6.282  | (0.453)  | 135   | 2200726  | 50.0000         | 52.935          | 80.00- 120.00 | 100.00 |  |
| 6.282                           | 6.282  | (0.453)  | 137   | 703613   |                 |                 | 0.00- 81.89   | 31.97  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 18 Chloromethane                |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 74-87-3  |               |        |  |
| 6.531                           | 6.531  | (0.471)  | 50    | 735769   | 50.0000         | 53.587          | 80.00- 120.00 | 100.00 |  |
| 6.531                           | 6.531  | (0.471)  | 52    | 242464   |                 |                 | 0.00- 83.62   | 32.95  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 20 Vinyl Chloride               |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 75-01-4  |               |        |  |
| 6.863                           | 6.863  | (0.495)  | 62    | 999277   | 50.0000         | 53.009          | 80.00- 120.00 | 100.00 |  |
| 6.863                           | 6.863  | (0.495)  | 64    | 330033   |                 |                 | 0.00- 89.61   | 33.03  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 22 1,3-Butadiene                |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 106-99-0 |               |        |  |
| 6.973                           | 6.973  | (0.503)  | 54    | 789647   | 50.0000         | 55.662          | 80.00- 120.00 | 100.00 |  |
| 6.973                           | 6.973  | (0.503)  | 39    | 778251   |                 |                 | 53.33- 153.33 | 98.56  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 25 Bromomethane                 |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 74-83-9  |               |        |  |
| 7.914                           | 7.914  | (0.571)  | 94    | 951350   | 50.0000         | 50.970          | 80.00- 120.00 | 100.00 |  |
| 7.914                           | 7.914  | (0.571)  | 96    | 896570   |                 |                 | 44.24- 144.24 | 94.24  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 27 Chloroethane                 |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 75-00-3  |               |        |  |
| 8.162                           | 8.162  | (0.589)  | 64    | 546238   | 50.0000         | 55.560          | 80.00- 120.00 | 100.00 |  |
| 8.162                           | 8.162  | (0.589)  | 49    | 149056   |                 |                 | 0.00- 76.71   | 27.29  |  |
| 8.162                           | 8.162  | (0.589)  | 66    | 175953   |                 |                 | 0.00- 83.02   | 32.21  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 31 Trichlorofluoromethane/Fr11  |        |          |       |          |                 |                 |               |        |  |
|                                 |        |          |       |          |                 | CAS #: 75-69-4  |               |        |  |
| 8.771                           | 8.771  | (0.633)  | 101   | 3871474  | 50.0000         | 54.376          | 80.00- 120.00 | 100.00 |  |
| 8.771                           | 8.771  | (0.633)  | 103   | 2511662  |                 |                 | 14.88- 114.88 | 64.88  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 38 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 9.241                       | 9.241  | (0.667)  | 45    | 301362   | 50.0000         | 55.322           | 80.00- 120.00  | 100.00 |  |
| 9.241                       | 9.241  | (0.667)  | 43    | 71583    |                 |                  | 0.00- 75.24    | 23.75  |  |
| 9.241                       | 9.241  | (0.667)  | 46    | 117015   |                 |                  | 0.00- 89.78    | 38.83  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 42 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 9.960                       | 9.960  | (0.719)  | 151   | 1661141  | 50.0000         | 50.669           | 80.00- 120.00  | 100.00 |  |
| 9.960                       | 9.960  | (0.719)  | 153   | 1062258  |                 |                  | 13.95- 113.95  | 63.95  |  |
| 9.932                       | 9.932  | (0.717)  | 101   | 2173720  |                 |                  | 80.86- 180.86  | 130.86 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 10.043                      | 10.043 | (0.725)  | 61    | 1620657  | 50.0000         | 54.920           | 80.00- 120.00  | 100.00 |  |
| 10.043                      | 10.043 | (0.725)  | 96    | 915924   |                 |                  | 6.52- 106.52   | 56.52  |  |
| 10.043                      | 10.043 | (0.725)  | 98    | 599984   |                 |                  | 0.00- 87.02    | 37.02  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 45 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 10.181                      | 10.181 | (0.735)  | 58    | 479776   | 50.0000         | 52.460           | 80.00- 120.00  | 100.00 |  |
| 10.181                      | 10.181 | (0.735)  | 43    | 1587100  |                 |                  | 267.82- 367.82 | 330.80 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 10.374                      | 10.374 | (0.749)  | 45    | 1758970  | 50.0000         | 56.122           | 80.00- 120.00  | 100.00 |  |
| 10.374                      | 10.374 | (0.749)  | 43    | 444662   |                 |                  | 0.00- 76.64    | 25.28  |  |
| 10.374                      | 10.374 | (0.749)  | 59    | 69215    |                 |                  | 0.00- 54.31    | 3.93   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 10.540                      | 10.540 | (0.761)  | 76    | 2914148  | 50.0000         | 52.209           | 80.00- 120.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 51 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 10.817                      | 10.817 | (0.781)  | 76    | 505055   | 50.0000         | 52.546           | 80.00- 120.00  | 100.00 |  |
| 10.817                      | 10.817 | (0.781)  | 41    | 1156760  |                 |                  | 173.84- 273.84 | 229.04 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 54 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 11.093                      | 11.093 | (0.800)  | 49    | 991484   | 50.0000         | 53.134           | 80.00- 120.00  | 100.00 |  |
| 11.093                      | 11.093 | (0.800)  | 84    | 834624   |                 |                  | 34.18- 134.18  | 84.18  |  |
| 11.093                      | 11.093 | (0.800)  | 51    | 319339   |                 |                  | 0.00- 83.83    | 32.21  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 60 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 11.453                      | 11.453 | (0.826)  | 73    | 3376206  | 50.0000         | 63.024           | 80.00- 120.00  | 100.00 |  |
| 11.453                      | 11.453 | (0.826)  | 57    | 649868   |                 |                  | 0.00- 69.25    | 19.25  |  |
| 11.453                      | 11.453 | (0.826)  | 41    | 645479   |                 |                  | 0.00- 70.47    | 19.12  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 61 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 11.536                      | 11.536 | (0.832)  | 96    | 1198788  | 50.0000         | 54.663           | 80.00- 120.00  | 100.00 |  |
| 11.536                      | 11.536 | (0.832)  | 61    | 1738290  |                 |                  | 95.00- 195.00  | 145.00 |  |
| 11.536                      | 11.536 | (0.832)  | 98    | 777875   |                 |                  | 16.26- 116.26  | 64.89  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |



| AMOUNTS                   |        |          |       |          |                 |                 |                |        |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| 65 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |        |  |
| 11.895                    | 11.895 | (0.858)  | 57    | 1661145  | 50.0000         | 57.401          | 80.00- 120.00  | 100.00 |  |
| 11.895                    | 11.895 | (0.858)  | 43    | 981149   |                 |                 | 9.30- 109.30   | 59.06  |  |
| 11.895                    | 11.895 | (0.858)  | 86    | 287371   |                 |                 | 0.00- 66.83    | 17.30  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 69 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |        |  |
| 12.365                    | 12.365 | (0.892)  | 86    | 292795   | 50.0000         | 51.605          | 80.00- 120.00  | 100.00 |  |
| 12.337                    | 12.337 | (0.890)  | 43    | 2750556  |                 |                 | 832.23- 932.23 | 939.41 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 70 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |        |  |
| 12.365                    | 12.365 | (0.892)  | 63    | 2258140  | 50.0000         | 55.770          | 80.00- 120.00  | 100.00 |  |
| 12.365                    | 12.365 | (0.892)  | 65    | 731252   |                 |                 | 0.00- 82.38    | 32.38  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 75 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |        |  |
| 13.388                    | 13.388 | (0.966)  | 72    | 573486   | 50.0000         | 55.670          | 80.00- 120.00  | 100.00 |  |
| 13.388                    | 13.388 | (0.966)  | 43    | 1970747  |                 |                 | 293.64- 393.64 | 343.64 |  |
| 13.388                    | 13.388 | (0.966)  | 57    | 171750   |                 |                 | 0.00- 79.56    | 29.95  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 76 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |        |  |
| 13.416                    | 13.416 | (0.968)  | 61    | 1545176  | 50.0000         | 56.716          | 80.00- 120.00  | 100.00 |  |
| 13.416                    | 13.416 | (0.968)  | 96    | 1178213  |                 |                 | 26.25- 126.25  | 76.25  |  |
| 13.416                    | 13.416 | (0.968)  | 98    | 761273   |                 |                 | 0.00- 99.27    | 49.27  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 80 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |        |  |
| 13.858                    | 13.858 | (1.000)  | 42    | 1032115  | 50.0000         | 59.401          | 80.00- 120.00  | 100.00 |  |
| 13.858                    | 13.858 | (1.000)  | 71    | 517633   |                 |                 | 0.15- 100.15   | 50.15  |  |
| 13.858                    | 13.858 | (1.000)  | 72    | 565130   |                 |                 | 2.04- 102.04   | 54.75  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 82 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |        |  |
| 13.941                    | 13.941 | (1.006)  | 83    | 2716424  | 50.0000         | 58.069          | 80.00- 120.00  | 100.00 |  |
| 13.941                    | 13.941 | (1.006)  | 85    | 1755604  |                 |                 | 14.63- 114.63  | 64.63  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 83 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |        |  |
| 14.273                    | 14.273 | (1.030)  | 97    | 2968241  | 50.0000         | 57.367          | 80.00- 120.00  | 100.00 |  |
| 14.273                    | 14.273 | (1.030)  | 99    | 1926384  |                 |                 | 14.90- 114.90  | 64.90  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 85 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |        |  |
| 14.301                    | 14.301 | (1.032)  | 84    | 1566721  | 50.0000         | 56.551          | 80.00- 120.00  | 100.00 |  |
| 14.301                    | 14.301 | (1.032)  | 56    | 1563667  |                 |                 | 49.81- 149.81  | 99.81  |  |
| 14.301                    | 14.301 | (1.032)  | 41    | 839226   |                 |                 | 3.57- 103.57   | 53.57  |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 87 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |        |  |
| 14.522                    | 14.522 | (1.048)  | 119   | 2856456  | 50.0000         | 57.472          | 80.00- 120.00  | 100.00 |  |
| 14.522                    | 14.522 | (1.048)  | 117   | 3061511  |                 |                 | 57.18- 157.18  | 107.18 |  |
| -----                     |        |          |       |          |                 |                 |                |        |  |
| 89 2,2,4-Trimethylpentane |        |          |       |          |                 | CAS #: 540-84-1 |                |        |  |
| 14.881                    | 14.881 | (1.074)  | 57    | 4069987  | 50.0000         | 60.251          | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                                       |        |          |       |          |                 |                |                |        |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 89 2,2,4-Trimethylpentane (continued)         |        |          |       |          |                 |                |                |        |  |
| 14.881  | 14.881 | (1.074)  | 56    | 1326954  |                 |                | 0.00- 82.82    | 32.60  |  |
| 14.881  | 14.881 | (1.074)  | 41    | 1080515  |                 |                | 0.00- 78.43    | 26.55  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 91 Benzene CAS #: 71-43-2                     |        |          |       |          |                 |                |                |        |  |
| 14.964  | 14.964 | (0.958)  | 78    | 3404340  | 50.0000         | 53.783         | 80.00- 120.00  | 100.00 |  |
| 14.964  | 14.964 | (0.958)  | 77    | 780998   |                 |                | 0.00- 73.50    | 22.94  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |                 |                |                |        |  |
| 15.075  | 15.075 | (0.965)  | 62    | 1724412  | 50.0000         | 55.840         | 80.00- 120.00  | 100.00 |  |
| 15.075  | 15.075 | (0.965)  | 64    | 557123   |                 |                | 0.00- 84.23    | 32.31  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |                 |                |                |        |  |
| 15.185  | 15.185 | (0.972)  | 71    | 1040453  | 50.0000         | 58.068         | 80.00- 120.00  | 100.00 |  |
| 15.185  | 15.185 | (0.972)  | 43    | 1448099  |                 |                | 85.70- 185.70  | 139.18 |  |
| 15.185  | 15.185 | (0.972)  | 57    | 862313   |                 |                | 28.72- 128.72  | 82.88  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |                 |                |                |        |  |
| 16.070  | 16.070 | (1.028)  | 95    | 1484250  | 50.0000         | 54.747         | 80.00- 120.00  | 100.00 |  |
| 16.070  | 16.070 | (1.028)  | 130   | 1400930  |                 |                | 44.39- 144.39  | 94.39  |  |
| 16.070  | 16.070 | (1.028)  | 97    | 963630   |                 |                | 14.92- 114.92  | 64.92  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |                 |                |                |        |  |
| 16.568  | 16.568 | (1.060)  | 63    | 1194807  | 50.0000         | 55.945         | 80.00- 120.00  | 100.00 |  |
| 16.568  | 16.568 | (1.060)  | 62    | 851889   |                 |                | 21.30- 121.30  | 71.30  |  |
| 16.568  | 16.568 | (1.060)  | 41    | 676627   |                 |                | 6.63- 106.63   | 56.63  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |                 |                |                |        |  |
| 16.678  | 16.678 | (1.067)  | 88    | 826264   | 50.0000         | 52.856         | 80.00- 120.00  | 100.00 |  |
| 16.678  | 16.678 | (1.067)  | 58    | 489803   |                 |                | 9.28- 109.28   | 59.28  |  |
| 16.678  | 16.678 | (1.067)  | 57    | 169465   |                 |                | 0.00- 71.19    | 20.51  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |                 |                |                |        |  |
| 16.983  | 16.983 | (1.087)  | 83    | 2750884  | 50.0000         | 56.697         | 80.00- 120.00  | 100.00 |  |
| 16.983  | 16.983 | (1.087)  | 85    | 1790432  |                 |                | 15.09- 115.09  | 65.09  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |                 |                |                |        |  |
| 17.784  | 17.784 | (1.138)  | 75    | 1881697  | 50.0000         | 57.821         | 80.00- 120.00  | 100.00 |  |
| 17.784  | 17.784 | (1.138)  | 77    | 593379   |                 |                | 0.00- 81.53    | 31.53  |  |
| 17.784  | 17.784 | (1.138)  | 39    | 869156   |                 |                | 0.00- 96.19    | 46.19  |  |
| -----   |        |          |       |          |                 |                |                |        |  |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |                 |                |                |        |  |
| 17.950  | 17.950 | (1.149)  | 58    | 907638   | 50.0000         | 61.383         | 80.00- 120.00  | 100.00 |  |
| 17.950  | 17.950 | (1.149)  | 43    | 2087821  |                 |                | 175.34- 275.34 | 230.03 |  |
| 17.978  | 17.978 | (1.150)  | 85    | 453255   |                 |                | 0.64- 100.64   | 49.94  |  |
| -----   |        |          |       |          |                 |                |                |        |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 114 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |        |  |
| 18.337                        | 18.337 | (1.173)  | 91    | 3821764  | 50.0000         | 56.624            | 80.00- 120.00  | 100.00 |  |
| 18.337                        | 18.337 | (1.173)  | 92    | 2357020  |                 |                   | 11.67- 111.67  | 61.67  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 116 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |        |  |
| 18.752                        | 18.752 | (0.902)  | 75    | 2093156  | 50.0000         | 56.101            | 80.00- 120.00  | 100.00 |  |
| 18.752                        | 18.752 | (0.902)  | 77    | 674572   |                 |                   | 0.00- 82.23    | 32.23  |  |
| 18.752                        | 18.752 | (0.902)  | 39    | 873554   |                 |                   | 0.00- 91.73    | 41.73  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 117 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |        |  |
| 19.112                        | 19.112 | (0.919)  | 97    | 1457951  | 50.0000         | 54.218            | 80.00- 120.00  | 100.00 |  |
| 19.112                        | 19.112 | (0.919)  | 99    | 911410   |                 |                   | 12.51- 112.51  | 62.51  |  |
| 19.112                        | 19.112 | (0.919)  | 83    | 1227093  |                 |                   | 34.17- 134.17  | 84.17  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 120 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |        |  |
| 19.277                        | 19.277 | (0.927)  | 166   | 1976003  | 50.0000         | 54.839            | 80.00- 120.00  | 100.00 |  |
| 19.277                        | 19.277 | (0.927)  | 129   | 1373318  |                 |                   | 19.50- 119.50  | 69.50  |  |
| 19.277                        | 19.277 | (0.927)  | 131   | 1306236  |                 |                   | 16.10- 116.10  | 66.10  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 121 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |        |  |
| 19.416                        | 19.416 | (0.934)  | 58    | 1257531  | 50.0000         | 55.848            | 80.00- 120.00  | 100.00 |  |
| 19.416                        | 19.416 | (0.934)  | 43    | 2127168  |                 |                   | 119.15- 219.15 | 169.15 |  |
| 19.416                        | 19.416 | (0.934)  | 100   | 262165   |                 |                   | 0.00- 71.71    | 20.85  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 122 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |        |  |
| 19.803                        | 19.803 | (0.952)  | 129   | 2625763  | 50.0000         | 57.348            | 80.00- 120.00  | 100.00 |  |
| 19.803                        | 19.803 | (0.952)  | 127   | 2002158  |                 |                   | 28.82- 128.82  | 76.25  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 123 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |        |  |
| 20.052                        | 20.052 | (0.964)  | 107   | 2400030  | 50.0000         | 56.112            | 80.00- 120.00  | 100.00 |  |
| 20.052                        | 20.052 | (0.964)  | 109   | 2210456  |                 |                   | 42.10- 142.10  | 92.10  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 127 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |        |  |
| 20.853                        | 20.853 | (1.003)  | 112   | 3320327  | 50.0000         | 53.486            | 80.00- 120.00  | 100.00 |  |
| 20.853                        | 20.853 | (1.003)  | 114   | 1047753  |                 |                   | 0.00- 81.56    | 31.56  |  |
| 20.853                        | 20.853 | (1.003)  | 77    | 2089663  |                 |                   | 12.94- 112.94  | 62.94  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |        |  |
| 20.936                        | 20.936 | (1.007)  | 106   | 1800265  | 50.0000         | 55.971            | 80.00- 120.00  | 100.00 |  |
| 20.936                        | 20.936 | (1.007)  | 91    | 5652692  |                 |                   | 269.96- 369.96 | 313.99 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 129 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |        |  |
| 21.130                        | 21.130 | (1.016)  | 106   | 2300405  | 50.0000         | 56.797            | 80.00- 120.00  | 100.00 |  |
| 21.130                        | 21.130 | (1.016)  | 91    | 4606279  |                 |                   | 149.87- 249.87 | 200.24 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 130 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |        |  |
| 21.849                        | 21.849 | (1.051)  | 106   | 2158655  | 50.0000         | 56.029            | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 130 o-Xylene (continued)                     |        |          |       |          |                 |                |                |        |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 4556042  |                 |                | 161.06- 261.06 | 211.06 |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |        |  |
| 21.876                                       | 21.876 | (1.052)  | 104   | 3553224  | 50.0000         | 60.198         | 80.00- 120.00  | 100.00 |  |
| 21.876                                       | 21.876 | (1.052)  | 78    | 1859093  |                 |                | 2.32- 102.32   | 52.32  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |        |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 2785434  | 50.0000         | 56.676         | 80.00- 120.00  | 100.00 |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 1438094  |                 |                | 1.63- 101.63   | 51.63  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |                 |                |                |        |  |
| 22.429                                       | 22.429 | (1.078)  | 105   | 6068109  | 50.0000         | 57.097         | 80.00- 120.00  | 100.00 |  |
| 22.429                                       | 22.429 | (1.078)  | 120   | 1571638  |                 |                | 0.00- 77.62    | 25.90  |  |
| 22.402                                       | 22.402 | (1.077)  | 51    | 528924   |                 |                | 0.00- 58.75    | 8.72   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |        |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 3400254  | 50.0000         | 55.019         | 80.00- 120.00  | 100.00 |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 2181935  |                 |                | 14.17- 114.17  | 64.17  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |                 |                |                |        |  |
| 23.093                                       | 23.093 | (1.110)  | 91    | 7830845  | 50.0000         | 56.840         | 80.00- 120.00  | 100.00 |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 1704685  |                 |                | 0.00- 71.63    | 21.77  |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 276836   |                 |                | 0.00- 53.71    | 3.54   |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |        |  |
| 23.287                                       | 23.287 | (1.120)  | 105   | 6817501  | 50.0000         | 58.131         | 80.00- 120.00  | 100.00 |  |
| 23.287                                       | 23.287 | (1.120)  | 120   | 2018968  |                 |                | 0.00- 79.61    | 29.61  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |        |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 5530407  | 50.0000         | 55.280         | 80.00- 120.00  | 100.00 |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 2709429  |                 |                | 0.00- 98.23    | 48.99  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |        |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 5311235  | 50.0000         | 56.339         | 80.00- 120.00  | 100.00 |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 2444060  |                 |                | 0.00- 94.91    | 46.02  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |        |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 3676918  | 50.0000         | 54.265         | 80.00- 120.00  | 100.00 |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 2323129  |                 |                | 14.68- 114.68  | 63.18  |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 1537323  |                 |                | 0.00- 91.36    | 41.81  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |        |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 3811880  | 50.0000         | 54.673         | 80.00- 120.00  | 100.00 |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 2438693  |                 |                | 16.09- 116.09  | 63.98  |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 1526701  |                 |                | 0.00- 90.13    | 40.05  |  |
| -----  |        |          |       |          |                 |                |                |        |  |

| AMOUNTS                    |        |          |       |          |                 |                 |                |        |  |
|----------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                         | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                         | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 159 alpha-Chlorotoluene    |        |          |       |          |                 | CAS #: 100-44-7 |                |        |  |
| 24.946                     | 24.946 | (1.199)  | 91    | 5796536  | 50.0000         | 57.502          | 80.00- 120.00  | 100.00 |  |
| 24.946                     | 24.946 | (1.199)  | 126   | 1095582  |                 |                 | 0.00- 69.28    | 18.90  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 161 1,2-Dichlorobenzene    |        |          |       |          |                 | CAS #: 95-50-1  |                |        |  |
| 25.360                     | 25.360 | (1.219)  | 146   | 3579285  | 50.0000         | 54.227          | 80.00- 120.00  | 100.00 |  |
| 25.360                     | 25.360 | (1.219)  | 148   | 2276934  |                 |                 | 13.61- 113.61  | 63.61  |  |
| 25.360                     | 25.360 | (1.219)  | 111   | 1530679  |                 |                 | 0.00- 92.76    | 42.76  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 165 1,2,4-Trichlorobenzene |        |          |       |          |                 | CAS #: 120-82-1 |                |        |  |
| 28.153                     | 28.153 | (1.354)  | 180   | 2440238  | 50.0000         | 48.473          | 80.00- 120.00  | 100.00 |  |
| 28.153                     | 28.153 | (1.354)  | 182   | 2313432  |                 |                 | 44.80- 144.80  | 94.80  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 166 Hexachlorobutadiene    |        |          |       |          |                 | CAS #: 87-68-3  |                |        |  |
| 28.319                     | 28.319 | (1.362)  | 225   | 2395873  | 50.0000         | 47.288          | 80.00- 120.00  | 100.00 |  |
| 28.319                     | 28.319 | (1.362)  | 223   | 1511008  |                 |                 | 12.90- 112.90  | 63.07  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 29 Isopentane              |        |          |       |          |                 | CAS #: 78-78-4  |                |        |  |
| 8.273                      | 8.273  | (0.597)  | 43    | 1124483  | 50.0000         | 54.002          | 80.00- 120.00  | 100.00 |  |
| 8.273                      | 8.273  | (0.597)  | 57    | 836323   |                 |                 | 27.67- 127.67  | 74.37  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 19 Butane                  |        |          |       |          |                 | CAS #: 106-97-8 |                |        |  |
| 6.808                      | 6.808  | (0.491)  | 58    | 196815   | 50.0000         | 54.589          | 80.00- 120.00  | 100.00 |  |
| 6.808                      | 6.808  | (0.491)  | 43    | 1427352  |                 |                 | 666.74- 766.74 | 725.23 |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 102 Methyl Cyclohexane     |        |          |       |          |                 | CAS #: 108-87-2 |                |        |  |
| 16.347                     | 16.347 | (1.180)  | 83    | 1853454  | 50.0000         | 56.503          | 80.00- 120.00  | 100.00 |  |
| 16.347                     | 16.347 | (1.180)  | 98    | 842421   |                 |                 | 0.00- 95.22    | 45.45  |  |
| 16.347                     | 16.347 | (1.180)  | 55    | 1311070  |                 |                 | 20.82- 120.82  | 70.74  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |
| 167 Naphthalene            |        |          |       |          |                 | CAS #: 91-20-3  |                |        |  |
| 28.678                     | 28.678 | (1.379)  | 128   | 3444991  | 50.0000         | 49.442          | 80.00- 120.00  | 100.00 |  |
| 28.678                     | 28.678 | (1.379)  | 127   | 417518   |                 |                 | 0.00- 62.74    | 12.12  |  |
| -----                      |        |          |       |          |                 |                 |                |        |  |

Report Date: 15-Feb-2008 09:26

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 15-FEB-2008

Lab File ID: t021502.d

Calibration Time: 09:08

Lab Smp Id: CCV-1

Client Smp ID: CCV-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 50ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 81 Bromochloromethan | 322081   | 193249     | 450913  | 322081  | 0.00  |
| 97 1,4-Difluorobenze | 1266174  | 759704     | 1772644 | 1266174 | 0.00  |
| 126 Chlorobenzene-d5 | 1180497  | 708298     | 1652696 | 1180497 | 0.00  |

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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

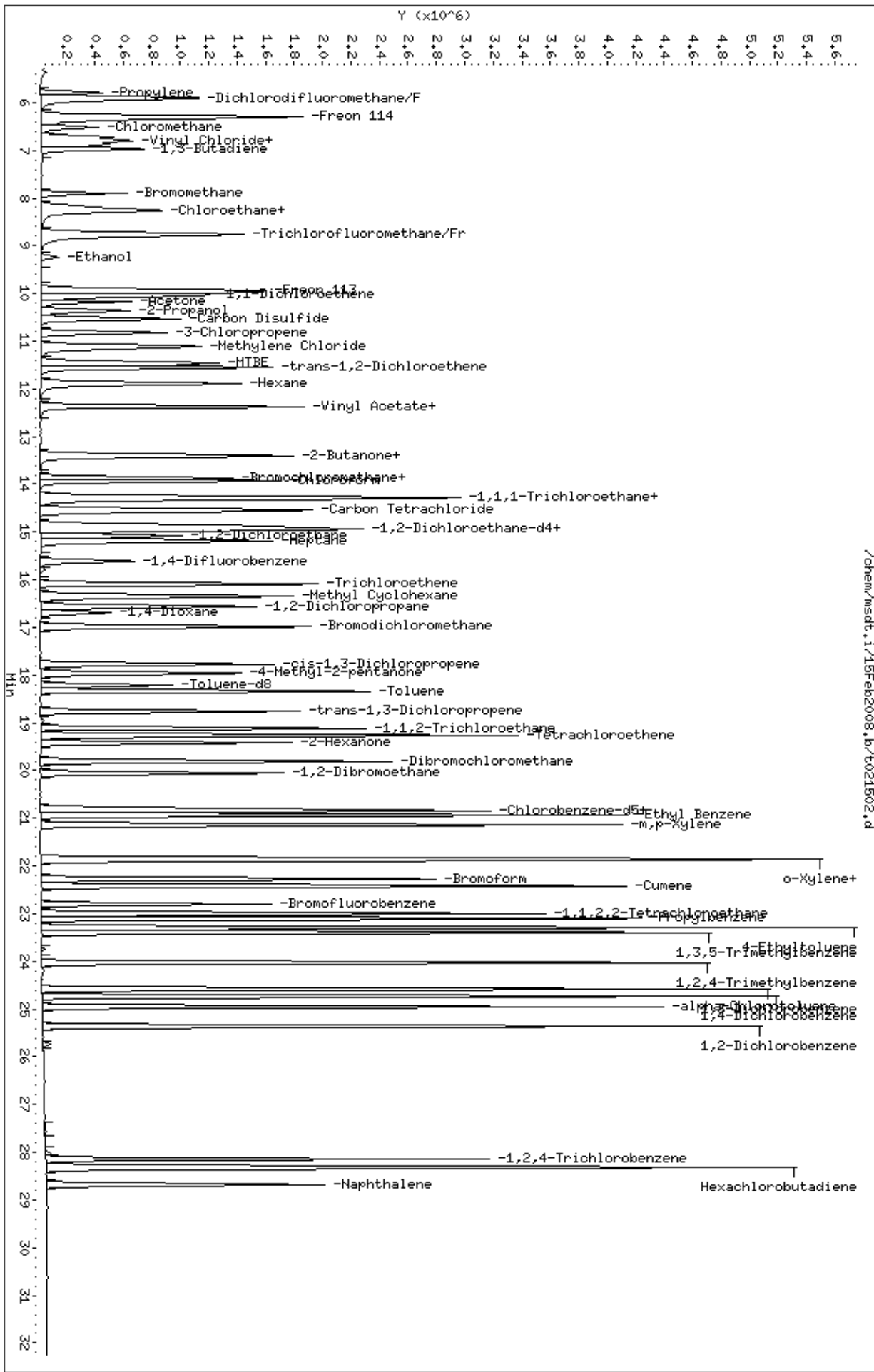
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msdt,i/15Feb2008,b/t021502.d  
 Date: 15-FEB-2008 09:08  
 Client ID: CCV-1  
 Sample Info: 50mL #1576-261

Column phase: RTX-624

Instrument: msdt,i  
 Operator: s/jr  
 Column diameter: 0.53



/chem/msdt,i/15Feb2008,b/t021502.d



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802175-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | t021503 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 2/15/08 09:50 AM |

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





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0802175-05A

**MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN**

|                     |                |   |
|---------------------|----------------|---|
| <b>File Name:</b>   | <b>t021503</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>    | <b>Date of Analysis: 2/15/08 09:50 AM</b> |

| <b>Compound</b>                  | <b>%Recovery</b> |
|----------------------------------|------------------|
| Heptane                          | 112              |
| Bromodichloromethane             | 108              |
| Dibromochloromethane             | 110              |
| Cumene                           | 113              |
| Propylbenzene                    | 112              |
| Chloromethane                    | 100              |
| 1,2,4-Trichlorobenzene           | 100              |
| Hexachlorobutadiene              | 93               |
| Acetone                          | 106              |
| Carbon Disulfide                 | 103              |
| 2-Propanol                       | 108              |
| trans-1,2-Dichloroethene         | 106              |
| 2-Butanone (Methyl Ethyl Ketone) | 111              |
| Tetrahydrofuran                  | 112              |
| 1,4-Dioxane                      | 100              |
| 4-Methyl-2-pentanone             | 116              |
| 2-Hexanone                       | 106              |
| Bromoform                        | 110              |
| 4-Ethyltoluene                   | 112              |
| Ethanol                          | 110              |
| Methyl tert-butyl ether          | 122              |
| 3-Chloropropene                  | 104              |
| 2,2,4-Trimethylpentane           | 117              |
| Naphthalene                      | 107              |

**Container Type: NA - Not Applicable**

| <b>Surrogates</b>     | <b>%Recovery</b> | <b>Method Limits</b> |
|-----------------------|------------------|----------------------|
| Toluene-d8            | 102              | 70-130               |
| 1,2-Dichloroethane-d4 | 106              | 70-130               |
| 4-Bromofluorobenzene  | 105              | 70-130               |

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 15Feb2008  
 Sample Matrix: GAS Fraction: VOA  
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1  
 Level: LOW Operator: sjr  
 Data Type: MS DATA SampleType: LCS  
 SpikeList File: 2926Spectra.spk Quant Type: ISTD  
 Sublist File: AT04ENSR.sub  
 Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Misc Info: 200ppbv -> 50ppbv

| SPIKE COMPOUND         | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|------------------------|-----------------------|---------------------------|----------------|--------|
| 12 Dichlorodifluorome  | 50.000                | 51.674                    | 103.35         | 70-130 |
| 16 Freon 114           | 50.000                | 50.444                    | 100.89         | 70-130 |
| 18 Chloromethane       | 50.000                | 50.241                    | 100.48         | 70-130 |
| 20 Vinyl Chloride      | 50.000                | 50.692                    | 101.38         | 70-130 |
| 22 1,3-Butadiene       | 50.000                | 52.109                    | 104.22         | 60-140 |
| 25 Bromomethane        | 50.000                | 49.774                    | 99.55          | 70-130 |
| 27 Chloroethane        | 50.000                | 52.242                    | 104.48         | 70-130 |
| 31 Trichlorofluoromet  | 50.000                | 50.401                    | 100.80         | 70-130 |
| 38 Ethanol             | 50.000                | 55.216                    | 110.43         | 60-140 |
| 42 Freon 113           | 50.000                | 54.691                    | 109.38         | 70-130 |
| 43 1,1-Dichloroethene  | 50.000                | 58.868                    | 117.74         | 70-130 |
| 45 Acetone             | 50.000                | 52.910                    | 105.82         | 60-140 |
| 47 Carbon Disulfide    | 50.000                | 51.333                    | 102.67         | 60-140 |
| 46 2-Propanol          | 50.000                | 54.171                    | 108.34         | 60-140 |
| 54 Methylene Chloride  | 50.000                | 55.231                    | 110.46         | 70-130 |
| 60 MTBE                | 50.000                | 61.032                    | 122.06         | 60-140 |
| 61 trans-1,2-Dichloro  | 50.000                | 53.268                    | 106.54         | 60-140 |
| 65 Hexane              | 50.000                | 56.987                    | 113.97         | 60-140 |
| 69 Vinyl Acetate       | 50.000                | 52.010                    | 104.02         | 60-140 |
| 70 1,1-Dichloroethane  | 50.000                | 56.031                    | 112.06         | 70-130 |
| 76 cis-1,2-Dichloroet  | 50.000                | 55.636                    | 111.27         | 70-130 |
| 75 2-Butanone          | 50.000                | 55.690                    | 111.38         | 60-140 |
| 80 Tetrahydrofuran     | 50.000                | 56.231                    | 112.46         | 60-140 |
| 82 Chloroform          | 50.000                | 56.672                    | 113.34         | 70-130 |
| 85 Cyclohexane         | 50.000                | 54.857                    | 109.71         | 60-140 |
| 83 1,1,1-Trichloroeth  | 50.000                | 55.280                    | 110.56         | 70-130 |
| 87 Carbon Tetrachlori  | 50.000                | 54.537                    | 109.07         | 70-130 |
| 91 Benzene             | 50.000                | 51.801                    | 103.60         | 70-130 |
| 93 1,2-Dichloroethane  | 50.000                | 54.668                    | 109.34         | 70-130 |
| 94 Heptane             | 50.000                | 56.238                    | 112.48         | 60-140 |
| 101 Trichloroethene    | 50.000                | 53.277                    | 106.55         | 70-130 |
| 104 1,2-Dichloropropan | 50.000                | 52.823                    | 105.65         | 70-130 |
| 106 1,4-Dioxane        | 50.000                | 50.057                    | 100.11         | 60-140 |

| SPIKE COMPOUND         | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|------------------------|-----------------------|---------------------------|----------------|--------|
| 107 Bromodichlorometha | 50.000                | 54.172                    | 108.35         | 60-140 |
| 110 cis-1,3-Dichloropr | 50.000                | 55.393                    | 110.79         | 70-130 |
| 111 4-Methyl-2-pentano | 50.000                | 58.252                    | 116.50         | 60-140 |
| 114 Toluene            | 50.000                | 56.917                    | 113.83         | 70-130 |
| 116 trans-1,3-Dichloro | 50.000                | 54.328                    | 108.66         | 70-130 |
| 117 1,1,2-Trichloroeth | 50.000                | 52.948                    | 105.90         | 70-130 |
| 120 Tetrachloroethene  | 50.000                | 53.743                    | 107.49         | 70-130 |
| 121 2-Hexanone         | 50.000                | 52.758                    | 105.52         | 60-140 |
| 122 Dibromochlorometha | 50.000                | 55.111                    | 110.22         | 60-140 |
| 123 1,2-Dibromoethane  | 50.000                | 52.686                    | 105.37         | 70-130 |
| 127 Chlorobenzene      | 50.000                | 52.337                    | 104.67         | 70-130 |
| 128 Ethyl Benzene      | 50.000                | 52.982                    | 105.96         | 70-130 |
| 129 m,p-Xylene         | 50.000                | 53.772                    | 107.54         | 70-130 |
| 130 o-Xylene           | 50.000                | 53.615                    | 107.23         | 70-130 |
| 131 Styrene            | 50.000                | 57.051                    | 114.10         | 70-130 |
| 133 Bromoform          | 50.000                | 54.776                    | 109.55         | 60-140 |
| 140 1,1,2,2-Tetrachlor | 50.000                | 53.256                    | 106.51         | 70-130 |
| 145 4-Ethyltoluene     | 50.000                | 56.115                    | 112.23         | 60-140 |
| 147 1,3,5-Trimethylben | 50.000                | 53.053                    | 106.11         | 70-130 |
| 150 1,2,4-Trimethylben | 50.000                | 54.438                    | 108.88         | 70-130 |
| 155 1,3-Dichlorobenzen | 50.000                | 52.388                    | 104.78         | 70-130 |
| 156 1,4-Dichlorobenzen | 50.000                | 51.728                    | 103.46         | 70-130 |
| 159 alpha-Chlorotoluen | 50.000                | 55.525                    | 111.05         | 70-130 |
| 161 1,2-Dichlorobenzen | 50.000                | 51.341                    | 102.68         | 70-130 |
| 165 1,2,4-Trichloroben | 50.000                | 49.760                    | 99.52          | 70-130 |
| 166 Hexachlorobutadien | 50.000                | 46.417                    | 92.83          | 70-130 |
| 142 Propylbenzene      | 50.000                | 55.910                    | 111.82         | 60-140 |
| 134 Cumene             | 50.000                | 56.426                    | 112.85         | 60-140 |
| 51 3-Chloropropene     | 50.000                | 51.999                    | 104.00         | 60-140 |
| 89 2,2,4-Trimethylpen  | 50.000                | 58.734                    | 117.47         | 60-140 |
| 19 Butane              | 50.000                | 51.046                    | 102.09         | 70-130 |
| 29 Isopentane          | 50.000                | 50.210                    | 100.42         | 70-130 |
| 102 Methyl Cyclohexane | 50.000                | 55.654                    | 111.31         | 70-130 |
| 11 Propylene           | 50.000                | 51.975                    | 103.95         | 60-140 |
| 167 Naphthalene        | 50.000                | 53.390                    | 106.78         | 60-140 |

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 90 1,2-Dichloroethane  | 25.000                | 26.569                    | 106.28         | 70-130 |
| \$ 113 Toluene-d8         | 25.000                | 25.550                    | 102.20         | 70-130 |
| \$ 137 Bromofluorobenzene | 25.000                | 26.208                    | 104.83         | 70-130 |

Report Date: 15-Feb-2008 10:16

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14

Data file : /chem/msdt.i/15Feb2008.b/t021503.d  
 Lab Smp Id: LCS-1 Client Smp ID: LCS-1  
 Inj Date : 15-FEB-2008 09:50  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 50mL #1576-255  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/t14q206a.m  
 Meth Date : 15-Feb-2008 09:26 sruth Quant Type: ISTD  
 Cal Date : 06-FEB-2008 22:02 Cal File: t020615.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT04ENSR.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS                                |        |          |       |          |         |         |                |        |  |
|---|--------|----------|-------|----------|---------|---------|----------------|--------|--|
| ON-COL FINAL                                  |        |          |       |          |         |         |                |        |  |
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPBV) | ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====          | =====  |  |
| * 81 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |                |        |  |
| 13.858  | 13.858 | (1.000)  | 130   | 329518   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 13.858  | 13.858 | (1.000)  | 128   | 255153   |         |         | 29.31- 129.31  | 77.43  |  |
| 13.858  | 13.858 | (1.000)  | 49    | 602547   |         |         | 139.59- 239.59 | 182.86 |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 97 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |                |        |  |
| 15.628  | 15.628 | (1.000)  | 114   | 1327608  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 15.628  | 15.628 | (1.000)  | 88    | 214009   |         |         | 0.00- 66.27    | 16.12  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 126 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |                |        |  |
| 20.798  | 20.798 | (1.000)  | 117   | 1207144  | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 20.798  | 20.798 | (1.000)  | 82    | 700486   |         |         | 6.72- 106.72   | 58.03  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 90 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |                |        |  |
| 14.936  | 14.936 | (1.078)  | 65    | 563351   | 26.5693 | 26.569  | 80.00- 120.00  | 100.00 |  |
| 14.936  | 14.936 | (1.078)  | 67    | 318098   |         |         | 3.57- 103.57   | 56.47  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 113 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |                |        |  |
| 18.199  | 18.199 | (1.165)  | 98    | 1306611  | 25.5500 | 25.550  | 80.00- 120.00  | 100.00 |  |
| 18.199  | 18.199 | (1.165)  | 70    | 149787   |         |         | 0.00- 61.29    | 11.46  |  |

CONCENTRATIONS

ON-COL FINAL

| RT | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPEV) | ( PPBV) | TARGET RANGE | RATIO |
|----|--------|----------|-------|----------|---------|---------|--------------|-------|
| == | =====  | =====    | ===== | =====    | =====   | =====   | =====        | ===== |

\$ 113 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 18.199 | 18.199 | (1.165) | 100 | 916375 |  |  | 18.71- 118.71 | 70.13 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 137 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |         |         |        |               |        |
|--------|--------|---------|-----|---------|---------|--------|---------------|--------|
| 22.789 | 22.789 | (1.096) | 174 | 818324  | 26.2082 | 26.208 | 80.00- 120.00 | 100.00 |
| 22.789 | 22.789 | (1.096) | 95  | 1032037 |         |        | 74.69- 174.69 | 126.12 |
| 22.789 | 22.789 | (1.096) | 176 | 804367  |         |        | 47.82- 147.82 | 98.29  |

11 Propylene

CAS #: 115-07-1

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 5.812 | 5.812 | (0.419) | 41 | 560174 | 51.9748 | 51.975 | 80.00- 120.00 | 100.00 |
| 5.812 | 5.812 | (0.419) | 42 | 393139 |         |        | 17.96- 117.96 | 70.18  |
| 5.812 | 5.812 | (0.419) | 39 | 456692 |         |        | 33.44- 133.44 | 81.53  |

12 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

|       |       |         |    |         |         |        |               |        |
|-------|-------|---------|----|---------|---------|--------|---------------|--------|
| 5.923 | 5.923 | (0.427) | 85 | 3324903 | 51.6738 | 51.674 | 80.00- 120.00 | 100.00 |
| 5.923 | 5.923 | (0.427) | 87 | 1063362 |         |        | 0.00- 82.13   | 31.98  |

16 Freon 114

CAS #: 76-14-2

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 6.310 | 6.282 | (0.455) | 135 | 2145567 | 50.4437 | 50.444 | 80.00- 120.00 | 100.00 |
| 6.310 | 6.282 | (0.455) | 137 | 673182  |         |        | 0.00- 81.89   | 31.38  |

18 Chloromethane

CAS #: 74-87-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 6.531 | 6.531 | (0.471) | 50 | 705757 | 50.2409 | 50.241 | 80.00- 120.00 | 100.00 |
| 6.531 | 6.531 | (0.471) | 52 | 233961 |         |        | 0.00- 83.62   | 33.15  |

20 Vinyl Chloride

CAS #: 75-01-4

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 6.890 | 6.863 | (0.497) | 62 | 977678 | 50.6924 | 50.692 | 80.00- 120.00 | 100.00 |
| 6.890 | 6.863 | (0.497) | 64 | 311731 |         |        | 0.00- 89.61   | 31.88  |

22 1,3-Butadiene

CAS #: 106-99-0

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 6.973 | 6.973 | (0.503) | 54 | 756304 | 52.1087 | 52.109 | 80.00- 120.00 | 100.00 |
| 6.973 | 6.973 | (0.503) | 39 | 724588 |         |        | 53.33- 153.33 | 95.81  |

25 Bromomethane

CAS #: 74-83-9

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 7.914 | 7.914 | (0.571) | 94 | 950492 | 49.7746 | 49.774 | 80.00- 120.00 | 100.00 |
| 7.914 | 7.914 | (0.571) | 96 | 887795 |         |        | 44.24- 144.24 | 93.40  |

27 Chloroethane

CAS #: 75-00-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 8.190 | 8.162 | (0.591) | 64 | 525473 | 52.2415 | 52.242 | 80.00- 120.00 | 100.00 |
| 8.190 | 8.162 | (0.591) | 49 | 139344 |         |        | 0.00- 76.71   | 26.52  |
| 8.190 | 8.162 | (0.591) | 66 | 173719 |         |        | 0.00- 83.02   | 33.06  |

31 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 8.771 | 8.771 | (0.633) | 101 | 3671301 | 50.4010 | 50.401 | 80.00- 120.00 | 100.00 |
| 8.771 | 8.771 | (0.633) | 103 | 2406116 |         |        | 14.88- 114.88 | 65.54  |

| CONCENTRATIONS              |        |          |       |          |                |               |              |        |        |  |
|-----------------------------|--------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                          | =====  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| 38 Ethanol                  |        |          |       |          |                | CAS #:        | 64-17-5      |        |        |  |
| 9.241                       | 9.241  | (0.667)  | 45    | 307729   | 55.2162        | 55.216        | 80.00-       | 120.00 | 100.00 |  |
| 9.241                       | 9.241  | (0.667)  | 43    | 72446    |                |               | 0.00-        | 75.24  | 23.54  |  |
| 9.241                       | 9.241  | (0.667)  | 46    | 110162   |                |               | 0.00-        | 89.78  | 35.80  |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 42 Freon 113                |        |          |       |          |                | CAS #:        | 76-13-1      |        |        |  |
| 9.960                       | 9.960  | (0.719)  | 151   | 1834401  | 54.6911        | 54.691        | 80.00-       | 120.00 | 100.00 |  |
| 9.960                       | 9.960  | (0.719)  | 153   | 1168577  |                |               | 13.95-       | 113.95 | 63.70  |  |
| 9.960                       | 9.932  | (0.719)  | 101   | 2420774  |                |               | 80.86-       | 180.86 | 131.97 |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 43 1,1-Dichloroethene       |        |          |       |          |                | CAS #:        | 75-35-4      |        |        |  |
| 10.043                      | 10.043 | (0.725)  | 61    | 1777265  | 58.8676        | 58.868        | 80.00-       | 120.00 | 100.00 |  |
| 10.043                      | 10.043 | (0.725)  | 96    | 1054380  |                |               | 6.52-        | 106.52 | 59.33  |  |
| 10.043                      | 10.043 | (0.725)  | 98    | 670415   |                |               | 0.00-        | 87.02  | 37.72  |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 45 Acetone                  |        |          |       |          |                | CAS #:        | 67-64-1      |        |        |  |
| 10.181                      | 10.181 | (0.735)  | 58    | 495062   | 52.9103        | 52.910        | 80.00-       | 120.00 | 100.00 |  |
| 10.181                      | 10.181 | (0.735)  | 43    | 1585449  |                |               | 267.82-      | 367.82 | 320.25 |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 46 2-Propanol               |        |          |       |          |                | CAS #:        | 67-63-0      |        |        |  |
| 10.374                      | 10.374 | (0.749)  | 45    | 1737024  | 54.1715        | 54.171        | 80.00-       | 120.00 | 100.00 |  |
| 10.374                      | 10.374 | (0.749)  | 43    | 419173   |                |               | 0.00-        | 76.64  | 24.13  |  |
| 10.374                      | 10.374 | (0.749)  | 59    | 72997    |                |               | 0.00-        | 54.31  | 4.20   |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 47 Carbon Disulfide         |        |          |       |          |                | CAS #:        | 75-15-0      |        |        |  |
| 10.540                      | 10.540 | (0.761)  | 76    | 2931423  | 51.3330        | 51.333        | 80.00-       | 120.00 | 100.00 |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 51 3-Chloropropene          |        |          |       |          |                | CAS #:        | 107-05-1     |        |        |  |
| 10.817                      | 10.817 | (0.781)  | 76    | 511335   | 51.9991        | 51.999        | 80.00-       | 120.00 | 100.00 |  |
| 10.817                      | 10.817 | (0.781)  | 41    | 1139309  |                |               | 173.84-      | 273.84 | 222.81 |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 54 Methylene Chloride       |        |          |       |          |                | CAS #:        | 75-09-2      |        |        |  |
| 11.093                      | 11.093 | (0.800)  | 49    | 1054408  | 55.2308        | 55.231        | 80.00-       | 120.00 | 100.00 |  |
| 11.093                      | 11.093 | (0.800)  | 84    | 899999   |                |               | 34.18-       | 134.18 | 85.36  |  |
| 11.093                      | 11.093 | (0.800)  | 51    | 338482   |                |               | 0.00-        | 83.83  | 32.10  |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 60 MTBE                     |        |          |       |          |                | CAS #:        | 1634-04-4    |        |        |  |
| 11.453                      | 11.453 | (0.826)  | 73    | 3344939  | 61.0316        | 61.032        | 80.00-       | 120.00 | 100.00 |  |
| 11.453                      | 11.453 | (0.826)  | 57    | 638974   |                |               | 0.00-        | 69.25  | 19.10  |  |
| 11.453                      | 11.453 | (0.826)  | 41    | 620928   |                |               | 0.00-        | 70.47  | 18.56  |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |
| 61 trans-1,2-Dichloroethene |        |          |       |          |                | CAS #:        | 156-60-5     |        |        |  |
| 11.536                      | 11.536 | (0.832)  | 96    | 1195150  | 53.2676        | 53.268        | 80.00-       | 120.00 | 100.00 |  |
| 11.536                      | 11.536 | (0.832)  | 61    | 1690399  |                |               | 95.00-       | 195.00 | 141.44 |  |
| 11.563                      | 11.536 | (0.834)  | 98    | 761797   |                |               | 16.26-       | 116.26 | 63.74  |  |
| -----                       |        |          |       |          |                |               |              |        |        |  |

| CONCENTRATIONS            |        |          |       |          |                 |        |         |              |        |
|---------------------------|--------|----------|-------|----------|-----------------|--------|---------|--------------|--------|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE |                 | ON-COL | FINAL   | TARGET RANGE | RATIO  |
|                           |        |          |       | ( PPEV)  | ( PPBV)         |        |         |              |        |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====  | =====   | =====        | =====  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 65 Hexane                 |        |          |       |          | CAS #: 110-54-3 |        |         |              |        |
| 11.895                    | 11.895 | (0.858)  | 57    | 1687246  | 56.9868         | 56.987 | 80.00-  | 120.00       | 100.00 |
| 11.895                    | 11.895 | (0.858)  | 43    | 967439   |                 |        | 9.30-   | 109.30       | 57.34  |
| 11.895                    | 11.895 | (0.858)  | 86    | 291373   |                 |        | 0.00-   | 66.83        | 17.27  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 69 Vinyl Acetate          |        |          |       |          | CAS #: 108-05-4 |        |         |              |        |
| 12.365                    | 12.365 | (0.892)  | 86    | 301908   | 52.0105         | 52.010 | 80.00-  | 120.00       | 100.00 |
| 12.365                    | 12.337 | (0.892)  | 43    | 2788983  |                 |        | 832.23- | 932.23       | 923.79 |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 70 1,1-Dichloroethane     |        |          |       |          | CAS #: 75-34-3  |        |         |              |        |
| 12.365                    | 12.365 | (0.892)  | 63    | 2321088  | 56.0313         | 56.031 | 80.00-  | 120.00       | 100.00 |
| 12.365                    | 12.365 | (0.892)  | 65    | 741720   |                 |        | 0.00-   | 82.38        | 31.96  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 75 2-Butanone             |        |          |       |          | CAS #: 78-93-3  |        |         |              |        |
| 13.388                    | 13.388 | (0.966)  | 72    | 586947   | 55.6904         | 55.690 | 80.00-  | 120.00       | 100.00 |
| 13.388                    | 13.388 | (0.966)  | 43    | 1971872  |                 |        | 293.64- | 393.64       | 335.95 |
| 13.388                    | 13.388 | (0.966)  | 57    | 174455   |                 |        | 0.00-   | 79.56        | 29.72  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 76 cis-1,2-Dichloroethene |        |          |       |          | CAS #: 156-59-2 |        |         |              |        |
| 13.416                    | 13.416 | (0.968)  | 61    | 1550740  | 55.6361         | 55.636 | 80.00-  | 120.00       | 100.00 |
| 13.416                    | 13.416 | (0.968)  | 96    | 1200213  |                 |        | 26.25-  | 126.25       | 77.40  |
| 13.416                    | 13.416 | (0.968)  | 98    | 777606   |                 |        | 0.00-   | 99.27        | 50.14  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 80 Tetrahydrofuran        |        |          |       |          | CAS #: 109-99-9 |        |         |              |        |
| 13.858                    | 13.858 | (1.000)  | 42    | 999593   | 56.2307         | 56.231 | 80.00-  | 120.00       | 100.00 |
| 13.858                    | 13.858 | (1.000)  | 71    | 514639   |                 |        | 0.15-   | 100.15       | 51.48  |
| 13.858                    | 13.858 | (1.000)  | 72    | 557351   |                 |        | 2.04-   | 102.04       | 55.76  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 82 Chloroform             |        |          |       |          | CAS #: 67-66-3  |        |         |              |        |
| 13.941                    | 13.941 | (1.006)  | 83    | 2712290  | 56.6722         | 56.672 | 80.00-  | 120.00       | 100.00 |
| 13.941                    | 13.941 | (1.006)  | 85    | 1756839  |                 |        | 14.63-  | 114.63       | 64.77  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 83 1,1,1-Trichloroethane  |        |          |       |          | CAS #: 71-55-6  |        |         |              |        |
| 14.273                    | 14.273 | (1.030)  | 97    | 2926301  | 55.2801         | 55.280 | 80.00-  | 120.00       | 100.00 |
| 14.273                    | 14.273 | (1.030)  | 99    | 1896180  |                 |        | 14.90-  | 114.90       | 64.80  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 85 Cyclohexane            |        |          |       |          | CAS #: 110-82-7 |        |         |              |        |
| 14.301                    | 14.301 | (1.032)  | 84    | 1554891  | 54.8572         | 54.857 | 80.00-  | 120.00       | 100.00 |
| 14.301                    | 14.301 | (1.032)  | 56    | 1566300  |                 |        | 49.81-  | 149.81       | 100.73 |
| 14.301                    | 14.301 | (1.032)  | 41    | 832944   |                 |        | 3.57-   | 103.57       | 53.57  |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 87 Carbon Tetrachloride   |        |          |       |          | CAS #: 56-23-5  |        |         |              |        |
| 14.549                    | 14.522 | (1.050)  | 119   | 2773185  | 54.5369         | 54.537 | 80.00-  | 120.00       | 100.00 |
| 14.549                    | 14.522 | (1.050)  | 117   | 2962586  |                 |        | 57.18-  | 157.18       | 106.83 |
| -----                     |        |          |       |          |                 |        |         |              |        |
| 89 2,2,4-Trimethylpentane |        |          |       |          | CAS #: 540-84-1 |        |         |              |        |
| 14.881                    | 14.881 | (1.074)  | 57    | 4059148  | 58.7343         | 58.734 | 80.00-  | 120.00       | 100.00 |

CONCENTRATIONS

| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL (PPEV) | FINAL (PPBV) | TARGET RANGE   | RATIO  |
|---|--------|----------|-------|----------|---------------|--------------|----------------|--------|
| ==  | =====  | =====    | ===== | =====    | =====         | =====        | =====          | =====  |
| 89 2,2,4-Trimethylpentane (continued)         |        |          |       |          |               |              |                |        |
| 14.881  | 14.881 | (1.074)  | 56    | 1312843  |               |              | 0.00- 82.82    | 32.34  |
| 14.881  | 14.881 | (1.074)  | 41    | 1090173  |               |              | 0.00- 78.43    | 26.86  |
| -----   |        |          |       |          |               |              |                |        |
| 91 Benzene CAS #: 71-43-2                     |        |          |       |          |               |              |                |        |
| 14.964  | 14.964 | (0.958)  | 78    | 3437958  | 51.8006       | 51.801       | 80.00- 120.00  | 100.00 |
| 14.964  | 14.964 | (0.958)  | 77    | 782112   |               |              | 0.00- 73.50    | 22.75  |
| -----   |        |          |       |          |               |              |                |        |
| 93 1,2-Dichloroethane CAS #: 107-06-2         |        |          |       |          |               |              |                |        |
| 15.075  | 15.075 | (0.965)  | 62    | 1770138  | 54.6678       | 54.668       | 80.00- 120.00  | 100.00 |
| 15.075  | 15.075 | (0.965)  | 64    | 571749   |               |              | 0.00- 84.23    | 32.30  |
| -----   |        |          |       |          |               |              |                |        |
| 94 Heptane CAS #: 142-82-5                    |        |          |       |          |               |              |                |        |
| 15.185  | 15.185 | (0.972)  | 71    | 1056559  | 56.2384       | 56.238       | 80.00- 120.00  | 100.00 |
| 15.185  | 15.185 | (0.972)  | 43    | 1461897  |               |              | 85.70- 185.70  | 138.36 |
| 15.185  | 15.185 | (0.972)  | 57    | 869232   |               |              | 28.72- 128.72  | 82.27  |
| -----   |        |          |       |          |               |              |                |        |
| 101 Trichloroethene CAS #: 79-01-6            |        |          |       |          |               |              |                |        |
| 16.070  | 16.070 | (1.028)  | 95    | 1514464  | 53.2770       | 53.277       | 80.00- 120.00  | 100.00 |
| 16.098  | 16.070 | (1.030)  | 130   | 1373909  |               |              | 44.39- 144.39  | 90.72  |
| 16.098  | 16.070 | (1.030)  | 97    | 971165   |               |              | 14.92- 114.92  | 64.13  |
| -----   |        |          |       |          |               |              |                |        |
| 104 1,2-Dichloropropane CAS #: 78-87-5        |        |          |       |          |               |              |                |        |
| 16.568  | 16.568 | (1.060)  | 63    | 1182862  | 52.8226       | 52.823       | 80.00- 120.00  | 100.00 |
| 16.568  | 16.568 | (1.060)  | 62    | 851027   |               |              | 21.30- 121.30  | 71.95  |
| 16.568  | 16.568 | (1.060)  | 41    | 666514   |               |              | 6.63- 106.63   | 56.35  |
| -----   |        |          |       |          |               |              |                |        |
| 106 1,4-Dioxane CAS #: 123-91-1               |        |          |       |          |               |              |                |        |
| 16.678  | 16.678 | (1.067)  | 88    | 820491   | 50.0575       | 50.057       | 80.00- 120.00  | 100.00 |
| 16.678  | 16.678 | (1.067)  | 58    | 472977   |               |              | 9.28- 109.28   | 57.65  |
| 16.678  | 16.678 | (1.067)  | 57    | 171359   |               |              | 0.00- 71.19    | 20.88  |
| -----   |        |          |       |          |               |              |                |        |
| 107 Bromodichloromethane CAS #: 75-27-4       |        |          |       |          |               |              |                |        |
| 17.010  | 16.983 | (1.088)  | 83    | 2755915  | 54.1726       | 54.172       | 80.00- 120.00  | 100.00 |
| 17.010  | 16.983 | (1.088)  | 85    | 1775426  |               |              | 15.09- 115.09  | 64.42  |
| -----   |        |          |       |          |               |              |                |        |
| 110 cis-1,3-Dichloropropene CAS #: 10061-01-5 |        |          |       |          |               |              |                |        |
| 17.784  | 17.784 | (1.138)  | 75    | 1890155  | 55.3935       | 55.393       | 80.00- 120.00  | 100.00 |
| 17.784  | 17.784 | (1.138)  | 77    | 601234   |               |              | 0.00- 81.53    | 31.81  |
| 17.784  | 17.784 | (1.138)  | 39    | 845366   |               |              | 0.00- 96.19    | 44.72  |
| -----   |        |          |       |          |               |              |                |        |
| 111 4-Methyl-2-pentanone CAS #: 108-10-1      |        |          |       |          |               |              |                |        |
| 17.978  | 17.950 | (1.150)  | 58    | 903130   | 58.2516       | 58.252       | 80.00- 120.00  | 100.00 |
| 17.978  | 17.950 | (1.150)  | 43    | 2082902  |               |              | 175.34- 275.34 | 230.63 |
| 17.978  | 17.978 | (1.150)  | 85    | 451305   |               |              | 0.64- 100.64   | 49.97  |
| -----   |        |          |       |          |               |              |                |        |



| CONCENTRATIONS                |        |          |       |          |         |                   |         |              |        |
|-------------------------------|--------|----------|-------|----------|---------|-------------------|---------|--------------|--------|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE |         | ON-COL            | FINAL   | TARGET RANGE | RATIO  |
|                               |        |          |       | ( PPEV)  | ( PPBV) |                   |         |              |        |
| ==                            | =====  | =====    | ===== | =====    | =====   | =====             | =====   | =====        | =====  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 114 Toluene                   |        |          |       |          |         | CAS #: 108-88-3   |         |              |        |
| 18.337                        | 18.337 | (1.173)  | 91    | 4027899  | 56.9168 | 56.917            | 80.00-  | 120.00       | 100.00 |
| 18.337                        | 18.337 | (1.173)  | 92    | 2444916  |         |                   | 11.67-  | 111.67       | 60.70  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 116 trans-1,3-Dichloropropene |        |          |       |          |         | CAS #: 10061-02-6 |         |              |        |
| 18.752                        | 18.752 | (0.902)  | 75    | 2072755  | 54.3282 | 54.328            | 80.00-  | 120.00       | 100.00 |
| 18.752                        | 18.752 | (0.902)  | 77    | 655127   |         |                   | 0.00-   | 82.23        | 31.61  |
| 18.752                        | 18.752 | (0.902)  | 39    | 864659   |         |                   | 0.00-   | 91.73        | 41.72  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 117 1,1,2-Trichloroethane     |        |          |       |          |         | CAS #: 79-00-5    |         |              |        |
| 19.112                        | 19.112 | (0.919)  | 97    | 1455920  | 52.9479 | 52.948            | 80.00-  | 120.00       | 100.00 |
| 19.112                        | 19.112 | (0.919)  | 99    | 905981   |         |                   | 12.51-  | 112.51       | 62.23  |
| 19.112                        | 19.112 | (0.919)  | 83    | 1233625  |         |                   | 34.17-  | 134.17       | 84.73  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 120 Tetrachloroethene         |        |          |       |          |         | CAS #: 127-18-4   |         |              |        |
| 19.277                        | 19.277 | (0.927)  | 166   | 1980202  | 53.7428 | 53.743            | 80.00-  | 120.00       | 100.00 |
| 19.277                        | 19.277 | (0.927)  | 129   | 1354887  |         |                   | 19.50-  | 119.50       | 68.42  |
| 19.277                        | 19.277 | (0.927)  | 131   | 1296357  |         |                   | 16.10-  | 116.10       | 65.47  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 121 2-Hexanone                |        |          |       |          |         | CAS #: 591-78-6   |         |              |        |
| 19.416                        | 19.416 | (0.934)  | 58    | 1214751  | 52.7575 | 52.758            | 80.00-  | 120.00       | 100.00 |
| 19.416                        | 19.416 | (0.934)  | 43    | 2057749  |         |                   | 119.15- | 219.15       | 169.40 |
| 19.416                        | 19.416 | (0.934)  | 100   | 255970   |         |                   | 0.00-   | 71.71        | 21.07  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 122 Dibromochloromethane      |        |          |       |          |         | CAS #: 124-48-1   |         |              |        |
| 19.803                        | 19.803 | (0.952)  | 129   | 2580289  | 55.1114 | 55.111            | 80.00-  | 120.00       | 100.00 |
| 19.803                        | 19.803 | (0.952)  | 127   | 1961503  |         |                   | 28.82-  | 128.82       | 76.02  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 123 1,2-Dibromoethane         |        |          |       |          |         | CAS #: 106-93-4   |         |              |        |
| 20.052                        | 20.052 | (0.964)  | 107   | 2304351  | 52.6857 | 52.686            | 80.00-  | 120.00       | 100.00 |
| 20.052                        | 20.052 | (0.964)  | 109   | 2144620  |         |                   | 42.10-  | 142.10       | 93.07  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 127 Chlorobenzene             |        |          |       |          |         | CAS #: 108-90-7   |         |              |        |
| 20.853                        | 20.853 | (1.003)  | 112   | 3322326  | 52.3372 | 52.337            | 80.00-  | 120.00       | 100.00 |
| 20.853                        | 20.853 | (1.003)  | 114   | 1044591  |         |                   | 0.00-   | 81.56        | 31.44  |
| 20.853                        | 20.853 | (1.003)  | 77    | 2044067  |         |                   | 12.94-  | 112.94       | 61.53  |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 128 Ethyl Benzene             |        |          |       |          |         | CAS #: 100-41-4   |         |              |        |
| 20.936                        | 20.936 | (1.007)  | 106   | 1742611  | 52.9822 | 52.982            | 80.00-  | 120.00       | 100.00 |
| 20.936                        | 20.936 | (1.007)  | 91    | 5534511  |         |                   | 269.96- | 369.96       | 317.60 |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 129 m,p-Xylene                |        |          |       |          |         | CAS #: 108-38-3   |         |              |        |
| 21.130                        | 21.130 | (1.016)  | 106   | 2227048  | 53.7721 | 53.772            | 80.00-  | 120.00       | 100.00 |
| 21.130                        | 21.130 | (1.016)  | 91    | 4537575  |         |                   | 149.87- | 249.87       | 203.75 |
| -----                         |        |          |       |          |         |                   |         |              |        |
| 130 o-Xylene                  |        |          |       |          |         | CAS #: 95-47-6    |         |              |        |
| 21.849                        | 21.849 | (1.051)  | 106   | 2112280  | 53.6149 | 53.615            | 80.00-  | 120.00       | 100.00 |

| CONCENTRATIONS                               |        |          |       |          |         |        |                |        |  |
|--|--------|----------|-------|----------|---------|--------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | ( PPEV) | FINAL  | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====  |  |
| 130 o-Xylene (continued)                     |        |          |       |          |         |        |                |        |  |
| 21.849                                       | 21.849 | (1.051)  | 91    | 4543261  |         |        | 161.06- 261.06 | 215.09 |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 131 Styrene CAS #: 100-42-5                  |        |          |       |          |         |        |                |        |  |
| 21.876                                       | 21.876 | (1.052)  | 104   | 3443513  | 57.0512 | 57.051 | 80.00- 120.00  | 100.00 |  |
| 21.876                                       | 21.876 | (1.052)  | 78    | 1787059  |         |        | 2.32- 102.32   | 51.90  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 133 Bromoform CAS #: 75-25-2                 |        |          |       |          |         |        |                |        |  |
| 22.291                                       | 22.291 | (1.072)  | 173   | 2752831  | 54.7764 | 54.776 | 80.00- 120.00  | 100.00 |  |
| 22.291                                       | 22.291 | (1.072)  | 171   | 1411936  |         |        | 1.63- 101.63   | 51.29  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 134 Cumene CAS #: 98-82-8                    |        |          |       |          |         |        |                |        |  |
| 22.429                                       | 22.429 | (1.078)  | 105   | 6132150  | 56.4260 | 56.426 | 80.00- 120.00  | 100.00 |  |
| 22.429                                       | 22.429 | (1.078)  | 120   | 1582496  |         |        | 0.00- 77.62    | 25.81  |  |
| 22.429                                       | 22.402 | (1.078)  | 51    | 533249   |         |        | 0.00- 58.75    | 8.70   |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 140 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |         |        |                |        |  |
| 23.010                                       | 23.010 | (1.106)  | 83    | 3365577  | 53.2557 | 53.256 | 80.00- 120.00  | 100.00 |  |
| 23.010                                       | 23.010 | (1.106)  | 85    | 2165086  |         |        | 14.17- 114.17  | 64.33  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 142 Propylbenzene CAS #: 103-65-1            |        |          |       |          |         |        |                |        |  |
| 23.121                                       | 23.093 | (1.112)  | 91    | 7876496  | 55.9098 | 55.910 | 80.00- 120.00  | 100.00 |  |
| 23.121                                       | 23.121 | (1.112)  | 120   | 1706377  |         |        | 0.00- 71.63    | 21.66  |  |
| 23.121                                       | 23.121 | (1.112)  | 105   | 280215   |         |        | 0.00- 53.71    | 3.56   |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 145 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |         |        |                |        |  |
| 23.287                                       | 23.287 | (1.120)  | 105   | 6729680  | 56.1153 | 56.115 | 80.00- 120.00  | 100.00 |  |
| 23.287                                       | 23.287 | (1.120)  | 120   | 2002373  |         |        | 0.00- 79.61    | 29.75  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |         |        |                |        |  |
| 23.397                                       | 23.397 | (1.125)  | 105   | 5427479  | 53.0534 | 53.053 | 80.00- 120.00  | 100.00 |  |
| 23.397                                       | 23.397 | (1.125)  | 120   | 2655246  |         |        | 0.00- 98.23    | 48.92  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 150 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |         |        |                |        |  |
| 24.033                                       | 24.033 | (1.156)  | 105   | 5247876  | 54.4384 | 54.438 | 80.00- 120.00  | 100.00 |  |
| 24.033                                       | 24.033 | (1.156)  | 120   | 2387376  |         |        | 0.00- 94.91    | 45.49  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |         |        |                |        |  |
| 24.586                                       | 24.586 | (1.182)  | 146   | 3629801  | 52.3876 | 52.388 | 80.00- 120.00  | 100.00 |  |
| 24.586                                       | 24.586 | (1.182)  | 148   | 2300408  |         |        | 14.68- 114.68  | 63.38  |  |
| 24.586                                       | 24.586 | (1.182)  | 111   | 1499800  |         |        | 0.00- 91.36    | 41.32  |  |
| -----  |        |          |       |          |         |        |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |         |        |                |        |  |
| 24.724                                       | 24.724 | (1.189)  | 146   | 3688018  | 51.7285 | 51.728 | 80.00- 120.00  | 100.00 |  |
| 24.724                                       | 24.724 | (1.189)  | 148   | 2362117  |         |        | 16.09- 116.09  | 64.05  |  |
| 24.724                                       | 24.724 | (1.189)  | 111   | 1485481  |         |        | 0.00- 90.13    | 40.28  |  |
| -----  |        |          |       |          |         |        |                |        |  |

| CONCENTRATIONS |                        |          |       |          |                |               |              |        |        |  |
|----------------|------------------------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT             | EXP RT                 | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==             | =====                  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 159            | alpha-Chlorotoluene    |          |       |          |                | CAS #:        | 100-44-7     |        |        |  |
| 24.946         | 24.946                 | (1.199)  | 91    | 5723626  | 55.5251        | 55.525        | 80.00-       | 120.00 | 100.00 |  |
| 24.946         | 24.946                 | (1.199)  | 126   | 1091915  |                |               | 0.00-        | 69.28  | 19.08  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 161            | 1,2-Dichlorobenzene    |          |       |          |                | CAS #:        | 95-50-1      |        |        |  |
| 25.360         | 25.360                 | (1.219)  | 146   | 3465294  | 51.3412        | 51.341        | 80.00-       | 120.00 | 100.00 |  |
| 25.360         | 25.360                 | (1.219)  | 148   | 2229108  |                |               | 13.61-       | 113.61 | 64.33  |  |
| 25.360         | 25.360                 | (1.219)  | 111   | 1508300  |                |               | 0.00-        | 92.76  | 43.53  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 165            | 1,2,4-Trichlorobenzene |          |       |          |                | CAS #:        | 120-82-1     |        |        |  |
| 28.153         | 28.153                 | (1.354)  | 180   | 2561573  | 49.7597        | 49.760        | 80.00-       | 120.00 | 100.00 |  |
| 28.153         | 28.153                 | (1.354)  | 182   | 2430511  |                |               | 44.80-       | 144.80 | 94.88  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 166            | Hexachlorobutadiene    |          |       |          |                | CAS #:        | 87-68-3      |        |        |  |
| 28.319         | 28.319                 | (1.362)  | 225   | 2404813  | 46.4167        | 46.417        | 80.00-       | 120.00 | 100.00 |  |
| 28.319         | 28.319                 | (1.362)  | 223   | 1503850  |                |               | 12.90-       | 112.90 | 62.54  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 29             | Isopentane             |          |       |          |                | CAS #:        | 78-78-4      |        |        |  |
| 8.273          | 8.273                  | (0.597)  | 43    | 1069661  | 50.2099        | 50.210        | 80.00-       | 120.00 | 100.00 |  |
| 8.273          | 8.273                  | (0.597)  | 57    | 813159   |                |               | 27.67-       | 127.67 | 76.02  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 19             | Butane                 |          |       |          |                | CAS #:        | 106-97-8     |        |        |  |
| 6.808          | 6.808                  | (0.491)  | 58    | 188293   | 51.0465        | 51.046        | 80.00-       | 120.00 | 100.00 |  |
| 6.808          | 6.808                  | (0.491)  | 43    | 1356425  |                |               | 666.74-      | 766.74 | 720.38 |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 102            | Methyl Cyclohexane     |          |       |          |                | CAS #:        | 108-87-2     |        |        |  |
| 16.347         | 16.347                 | (1.180)  | 83    | 1867755  | 55.6544        | 55.654        | 80.00-       | 120.00 | 100.00 |  |
| 16.347         | 16.347                 | (1.180)  | 98    | 852913   |                |               | 0.00-        | 95.22  | 45.67  |  |
| 16.347         | 16.347                 | (1.180)  | 55    | 1327616  |                |               | 20.82-       | 120.82 | 71.08  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 167            | Naphthalene            |          |       |          |                | CAS #:        | 91-20-3      |        |        |  |
| 28.678         | 28.678                 | (1.379)  | 128   | 3804082  | 53.3905        | 53.390        | 80.00-       | 120.00 | 100.00 |  |
| 28.678         | 28.678                 | (1.379)  | 127   | 461031   |                |               | 0.00-        | 62.74  | 12.12  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |

Report Date: 15-Feb-2008 10:16

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msdt.i

Calibration Date: 15-FEB-2008

Lab File ID: t021503.d

Calibration Time: 09:08

Lab Smp Id: LCS-1

Client Smp ID: LCS-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: sjr

Method File: /chem/msdt.i/15Feb2008.b/t14q206a.m

Misc Info: 200ppbv -&gt; 50ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 81 Bromochloromethan | 322081   | 193249     | 450913  | 329518  | 2.31  |
| 97 1,4-Difluorobenze | 1266174  | 759704     | 1772644 | 1327608 | 4.85  |
| 126 Chlorobenzene-d5 | 1180497  | 708298     | 1652696 | 1207144 | 2.26  |

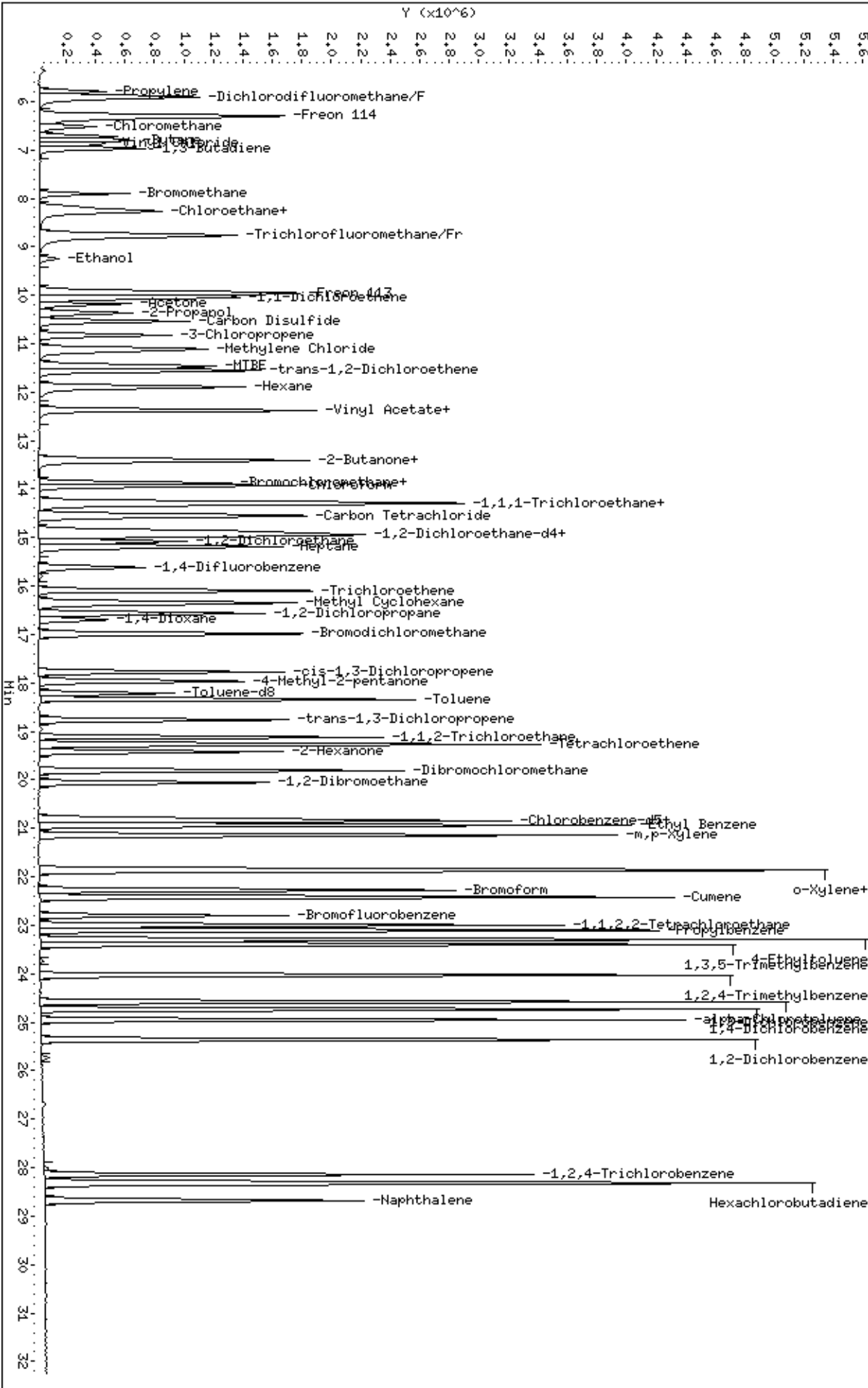
| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 81 Bromochloromethan | 13.86    | 13.53    | 14.19 | 13.86  | 0.00  |
| 97 1,4-Difluorobenze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

AREA UPPER LIMIT = + 40% of internal standard area.

AREA LOWER LIMIT = - 40% of internal standard area.

RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

RT LOWER LIMIT = - 0.33 minutes of internal standard RT.



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MSD-T

Logbook #: 1599

ION ABUNDANCE CRITERIA

| m/z | ION ABUNDANCE CRITERIA                              | % REL. ABUNDANCE     |
|-----|---|----------------------|
| 50  | 15.0 - 40.0% of mass 95                             | 20.85                |
| 75  | 30.0 - 60.0% of mass 95                             | 53.43                |
| 95  | Base peak, 100.00% relative abundance               | 100                  |
| 96  | 5.0 - 9.0% of mass 95                               | 6.34                 |
| 173 | Less than 2.0% of mass 174                          | (0.86) <sup>1</sup>  |
| 174 | Greater than 50.0% of mass 95                       | 69.80                |
| 175 | 5.0 - 9.0% of mass 174                              | (7.49) <sup>1</sup>  |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 | (97.10) <sup>1</sup> |
| 177 | 5.0 - 9.0% of mass 176                              | (6.59) <sup>2</sup>  |

<sup>1</sup> - value in parenthesis is % mass 174

<sup>2</sup> - value in parenthesis is % mass 176

BFB Injection Date: 2/15/08

BFB Injection Time: 10:30

BFB File ID: 6021501

Tekmar Purge Flow: 4.27L-5

Vacuum: 4.27L-5

IS/S Std #: 1443-398 Exp. Date: 3/28/08

BCM 322081

1,4-DFB 1266174

CB-d5 1181497

Verified CCV IS vs ICAL mid-point (-40%<sup>D</sup>) initials

Verify 176/174 m/z Ratio: 10/18 325/1048 704 x 100 = 97.10 NOAH Cart #: N/A File #: N/A

Calculation Check:

ppbv of compound =  $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{RRF}}} \times \text{Conc.}_{\text{RRF}}$

$\frac{(1283008)}{(1266174)} \times (25.0) = 26.306$

$\frac{(1266174)}{(0.96300)} = 131481.1$

Reported Result: 26.306

File ID: 6021502

Compound: 701-DB

Initials: gpa

| Use | File # | Sample / Client Name | Can #    | Pressure  | Amt Loaded | DF   | Date Analyzed | Time Analyzed | Review Init. | Comments     |
|-----|--------|----------------------|----------|-----------|------------|------|---------------|---------------|--------------|--------------|
| ✓   | 021501 | BFB for Met          | 172-264  | 500       | 700        | 100  | 2/15/08       | 0830          | gpa          |              |
| ✓   | 02     | CCV-1 (Sample)       | 1576-264 | 500       | 500        |      |               | 0908          | gpa          | Q out        |
| ✓   | 03     | CCV-1                | 1576-264 |           |            |      |               | 0950          | gpa          | Q out        |
| ✓   | 04     | 115d-1               |          |           |            |      |               | 1040          | gpa          |              |
| ✓   | 05     | TUH Std              | 1443-403 | 100ppb    | 100ul      |      |               | 1128          | gpa          |              |
| ✓   | 06     | Lab blank            | 3218     | 100ppb    | 100ul      |      |               | 1237          | gpa          |              |
| ✓   | 07     | 0802275-01A          | 2194     | 544-100   | 600ul      | 8.07 |               | 1328          | gpa          |              |
| ✓   | 08     | -01A                 |          |           |            |      |               | 1417          | gpa          |              |
| ✓   | 09     | -02A                 | 2041     | 35ppb-100 | 40ul       | 11.5 |               | 1455          | gpa          | Diode to NUT |

Signature

Date

@ Air Toxics Ltd.

MSD-T

Logbook #: 1599

|    |   |         |              |         |           |                  |       |         |      |        |              |
|----|---|---------|--------------|---------|-----------|------------------|-------|---------|------|--------|--------------|
| 10 | ✓ | T021510 | 08022775-034 | 2086    | 3.5%g-15% | 200ml            | 2.29  | 2/15/08 | K011 | Act 10 |              |
| 11 | ✓ |         | ↓            | 20502   | 2.5%g-5%  | 200ml            | 1.40  |         | 1700 | 44     |              |
| 12 | ✓ |         |              | 0802280 | 4.5%g-15% | 250ml            | 1.90  |         | 1805 | Act 10 | Dlt for NTC  |
| 13 | X |         |              | 0802184 | 9.5%g-15% | (1000x)<br>120ml | 3.270 |         | 1854 | Act    | over-diluted |
| 14 | ✓ |         |              | 0802175 | 7.0%g-5%  | 200ml            | 1.75  |         | 1942 | Act 10 |              |
| 15 | ✓ |         |              | ↓       | 4.5%g-5%  | 200ml            | 1.90  |         | 2021 | Act 10 |              |
| 16 |   |         |              | 0802170 | 6.5%g-5%  | 200ml            | 1.71  |         |      |        |              |
| 17 |   |         |              | ↓       | 6.0%g-5%  | 200ml            | 1.68  |         |      |        |              |
| 18 |   |         |              |         |           |                  |       |         |      |        |              |
| 19 |   |         |              |         |           |                  |       |         |      |        |              |
| 20 |   |         |              |         |           |                  |       |         |      |        |              |
| 21 |   |         |              |         |           |                  |       |         |      |        |              |
| 22 |   |         |              |         |           |                  |       |         |      |        |              |
| 23 |   |         |              |         |           |                  |       |         |      |        |              |
| 24 |   |         |              |         |           |                  |       |         |      |        |              |
| 25 |   |         |              |         |           |                  |       |         |      |        |              |
| 26 |   |         |              |         |           |                  |       |         |      |        |              |
| 27 |   |         |              |         |           |                  |       |         |      |        |              |
| 28 |   |         |              |         |           |                  |       |         |      |        |              |
| 29 |   |         |              |         |           |                  |       |         |      |        |              |
| 30 |   |         |              |         |           |                  |       |         |      |        |              |
| 31 |   |         |              |         |           |                  |       |         |      |        |              |
| 32 |   |         |              |         |           |                  |       |         |      |        |              |

Comments:

Signature

2/15/08

Date

Report Date: 06-Feb-2008 12:30

Air Toxics Ltd.

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

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE ( ug/L) ( ug/L) TARGET RANGE RATIO

1 bfb CAS #: 460-00-4

|       |       |        |     |         |         |        |        |
|-------|-------|--------|-----|---------|---------|--------|--------|
| 8.137 | 8.228 | -0.091 | 95  | 1779728 | 100.00- | 100.00 | 100.00 |
| 8.137 | 8.228 | -0.091 | 50  | 339425  | 15.00-  | 40.00  | 19.07  |
| 8.137 | 8.228 | -0.091 | 75  | 907414  | 30.00-  | 60.00  | 50.99  |
| 8.137 | 8.228 | -0.091 | 96  | 114946  | 5.00-   | 9.00   | 6.46   |
| 8.137 | 8.228 | -0.091 | 173 | 10246   | 0.00-   | 2.00   | 0.76   |
| 8.137 | 8.228 | -0.091 | 174 | 1351956 | 50.00-  | 100.00 | 75.96  |
| 8.137 | 8.228 | -0.091 | 175 | 95866   | 5.00-   | 9.00   | 7.09   |
| 8.137 | 8.228 | -0.091 | 176 | 1308292 | 95.00-  | 101.00 | 96.77  |
| 8.137 | 8.228 | -0.091 | 177 | 83826   | 5.00-   | 9.00   | 6.41   |



Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

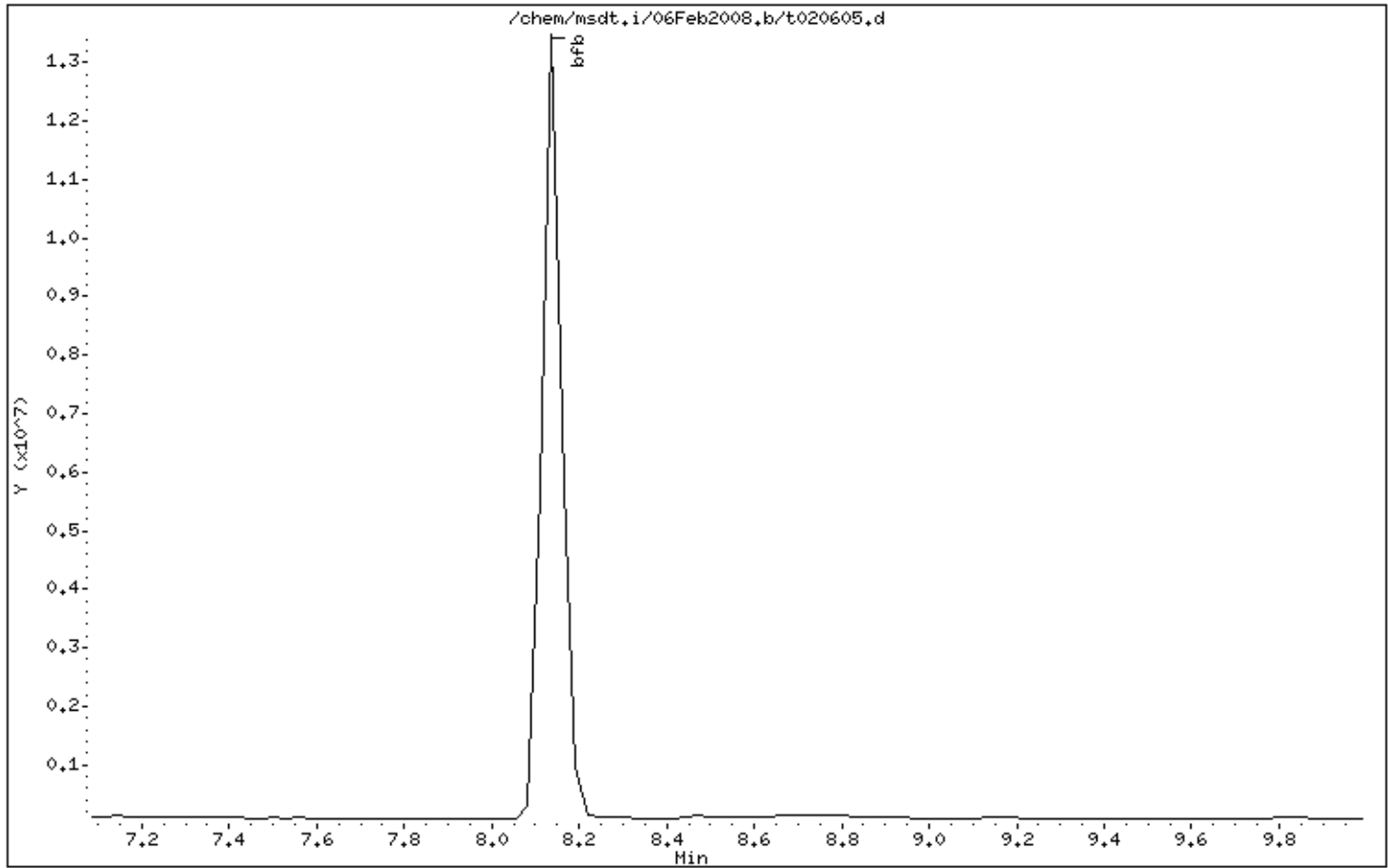
Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

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

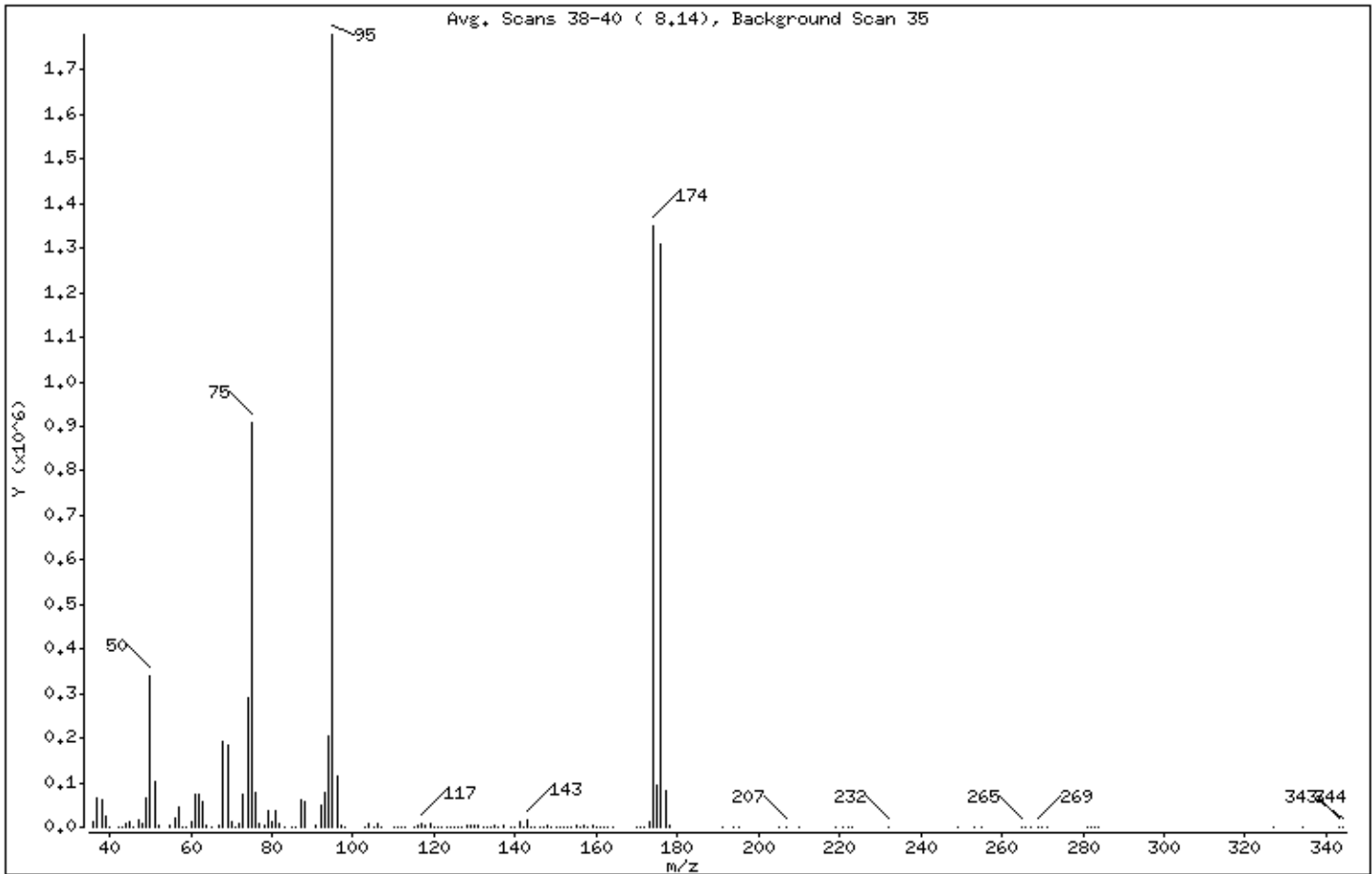
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 19.07                |
| 75  | 30.00 - 60.00% of mass 95          | 50.99                |
| 96  | 5.00 - 9.00% of mass 95            | 6.46                 |
| 173 | Less than 2.00% of mass 174        | 0.58 ( 0.76)         |
| 174 | 50.00 - 100.00% of mass 95         | 75.96                |
| 175 | 5.00 - 9.00% of mass 174           | 5.39 ( 7.09)         |
| 176 | 95.00 - 101.00% of mass 174        | 73.51 ( 96.77)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.71 ( 6.41)         |

Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t020605.d

Spectrum: Avg. Scans 38-40 ( 8.14), Background Scan 35

Location of Maximum: 95.00

Number of points: 151

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

Date : 06-FEB-2008 12:26

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t020605.d

Spectrum: Avg. Scans 38-40 ( 8.14), Background Scan 35

Location of Maximum: 95.00

Number of points: 151

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

Report Date: 07-Feb-2008 09:15

Air Toxics Ltd.

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

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE ( ug/L) ( ug/L) TARGET RANGE RATIO  
 == =====

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

Date : 07-FEB-2008 09:18

Client ID: BFB

Instrument: msdt.i

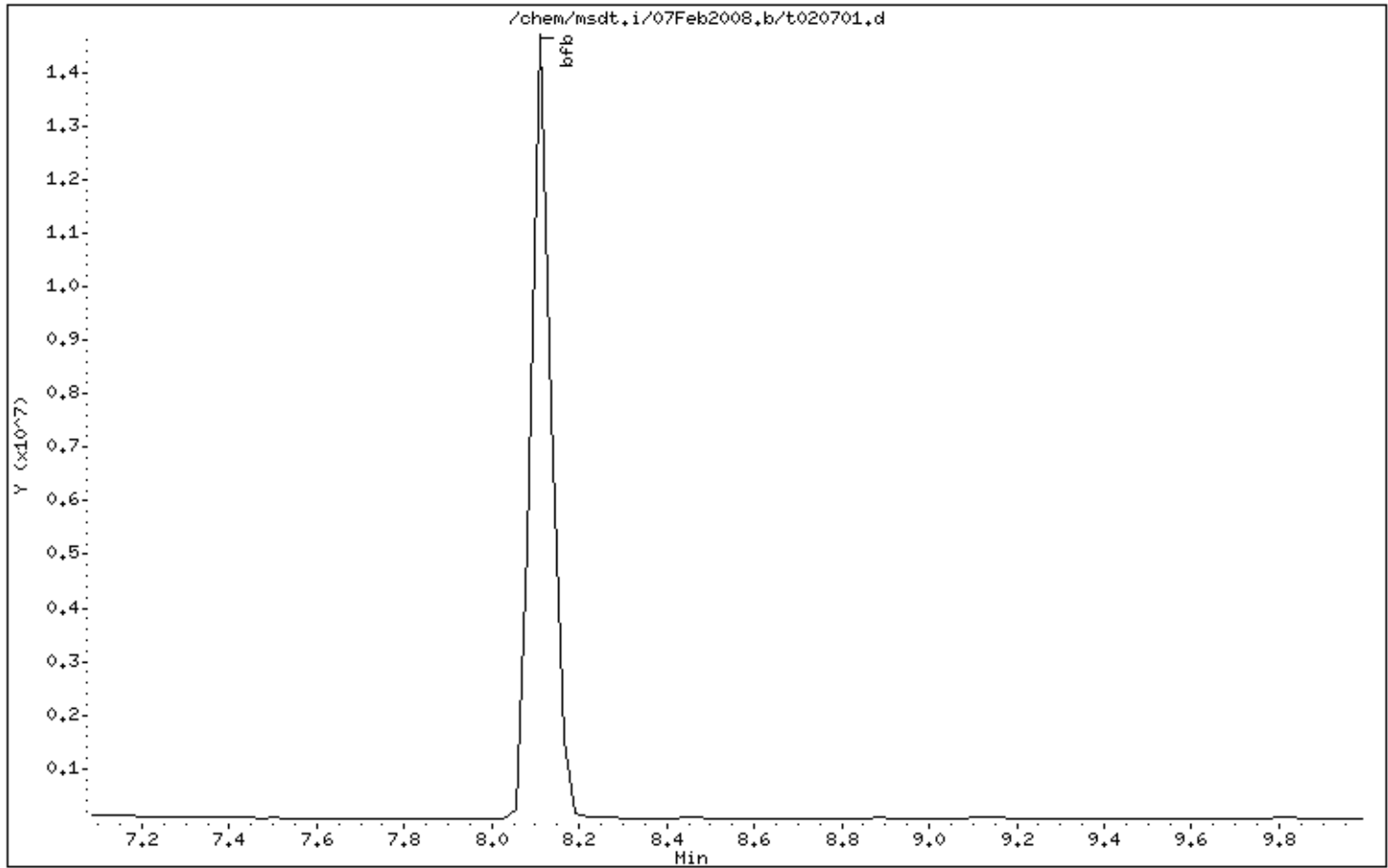
Sample Info: 2.0uL #1476-65;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Date : 07-FEB-2008 09:18

Client ID: BFB

Instrument: msdt.i

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

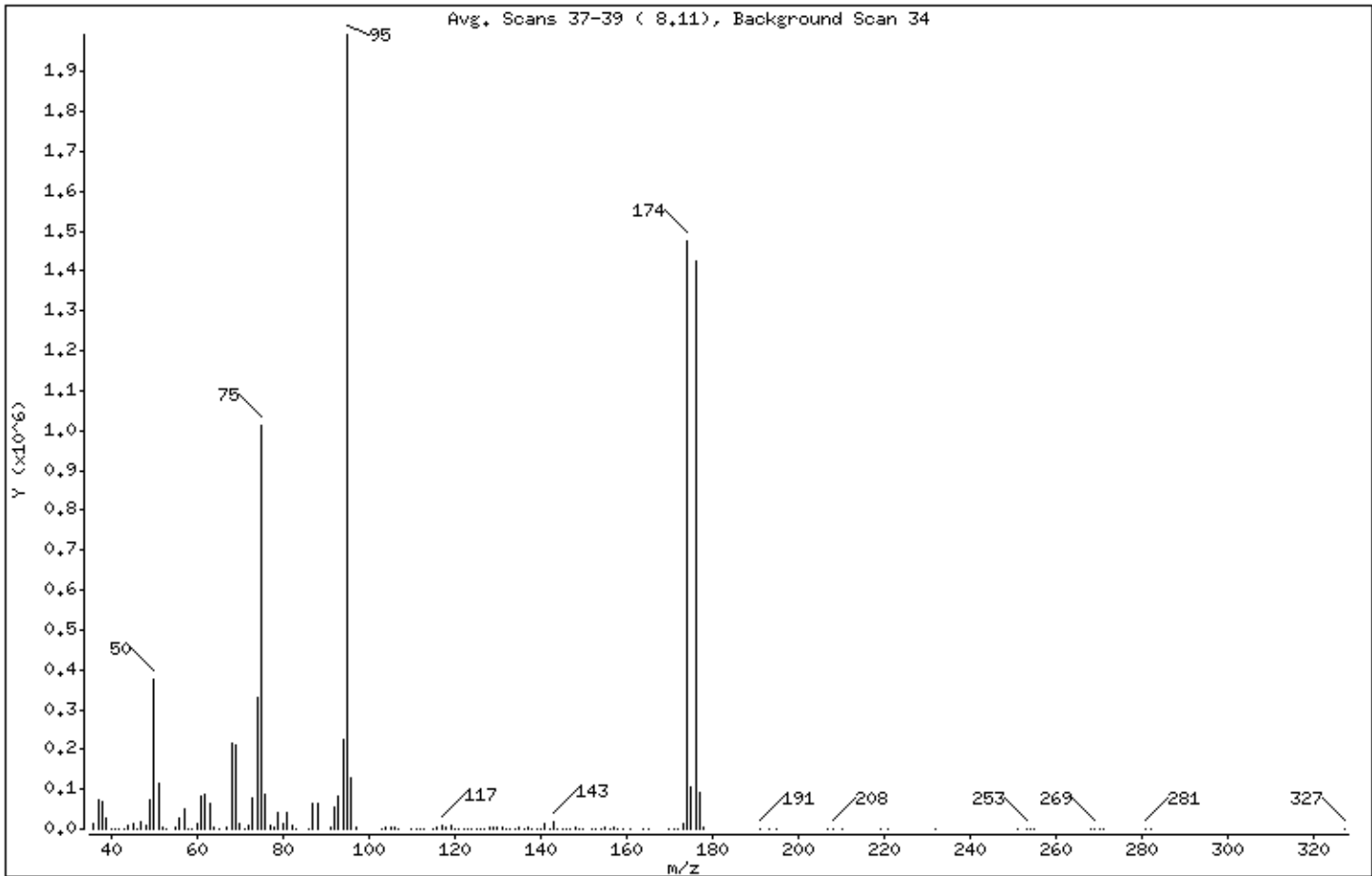
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 18.83                |
| 75  | 30.00 - 60.00% of mass 95          | 50.78                |
| 96  | 5.00 - 9.00% of mass 95            | 6.35                 |
| 173 | Less than 2.00% of mass 174        | 0.60 ( 0.80)         |
| 174 | 50.00 - 100.00% of mass 95         | 74.12                |
| 175 | 5.00 - 9.00% of mass 174           | 5.39 ( 7.27)         |
| 176 | 95.00 - 101.00% of mass 174        | 71.57 ( 96.56)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.63 ( 6.47)         |

Date : 07-FEB-2008 09:18

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t020701.d

Spectrum: Avg. Scans 37-39 ( 8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 141

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



Date : 07-FEB-2008 09:18

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t020701.d

Spectrum: Avg. Scans 37-39 ( 8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 141

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

Report Date: 15-Feb-2008 08:40

Air Toxics Ltd.

Data file : /chem/msdt.i/15Feb2008.b/t021501.d  
 Lab Smp Id: Client Smp ID: BFB  
 Inj Date : 15-FEB-2008 08:30  
 Operator : sjr Inst ID: msdt.i  
 Smp Info : 2.0uL #1476-274;BFB Tune check;BFB Tune check  
 Misc Info : 50ng  
 Comment :  
 Method : /chem/msdt.i/15Feb2008.b/bfb.m  
 Meth Date : 23-Mar-2007 09:33 tsanfel Quant Type: ESTD  
 Cal Date : Cal File:  
 Als bottle: 1 QC Sample: BFB  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50 Sample Matrix: WATER  
 Processing Host: eeyore

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

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

Cpnd Variable Local Compound Variable

CONCENTRATIONS

ON-COL FINAL

RT EXP RT DLT RT MASS RESPONSE ( ug/L) ( ug/L) TARGET RANGE RATIO

1 bfb CAS #: 460-00-4

|       |       |        |     |         |         |        |        |
|-------|-------|--------|-----|---------|---------|--------|--------|
| 8.110 | 8.228 | -0.118 | 95  | 1502509 | 100.00- | 100.00 | 100.00 |
| 8.110 | 8.228 | -0.118 | 50  | 313223  | 15.00-  | 40.00  | 20.85  |
| 8.110 | 8.228 | -0.118 | 75  | 802828  | 30.00-  | 60.00  | 53.43  |
| 8.110 | 8.228 | -0.118 | 96  | 95240   | 5.00-   | 9.00   | 6.34   |
| 8.110 | 8.228 | -0.118 | 173 | 8988    | 0.00-   | 2.00   | 0.86   |
| 8.110 | 8.228 | -0.118 | 174 | 1048704 | 50.00-  | 100.00 | 69.80  |
| 8.110 | 8.228 | -0.118 | 175 | 78543   | 5.00-   | 9.00   | 7.49   |
| 8.110 | 8.228 | -0.118 | 176 | 1018325 | 95.00-  | 101.00 | 97.10  |
| 8.110 | 8.228 | -0.118 | 177 | 67093   | 5.00-   | 9.00   | 6.59   |

Date : 15-FEB-2008 08:30

Client ID: BFB

Instrument: msdt.i

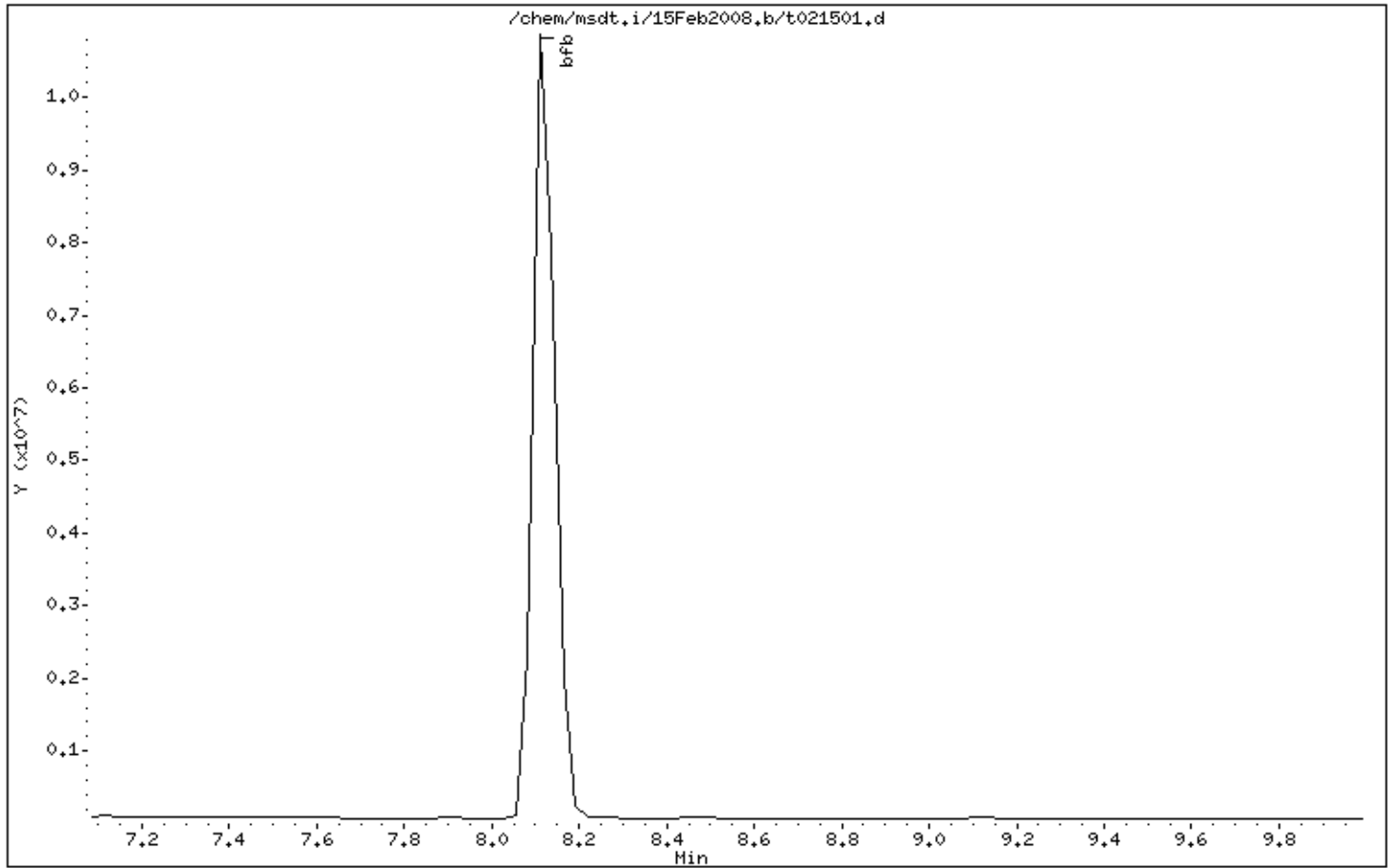
Sample Info: 2.0uL #1476-274;BFB Tune check;BFB Tune check

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00



Date : 15-FEB-2008 08:30

Client ID: BFB

Instrument: msdt.i

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

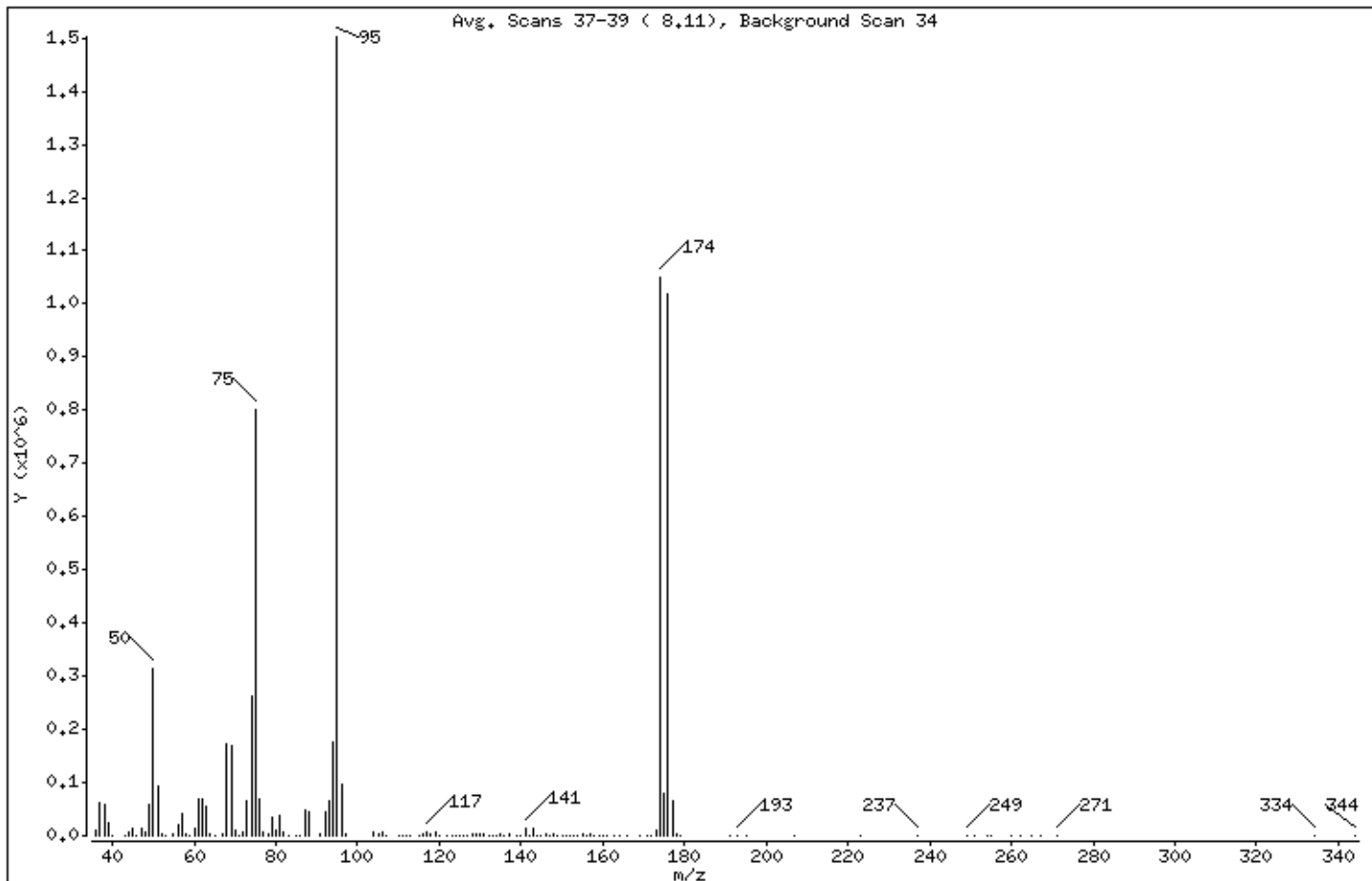
Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

1 bfb



| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 20.85                |
| 75  | 30.00 - 60.00% of mass 95          | 53.43                |
| 96  | 5.00 - 9.00% of mass 95            | 6.34                 |
| 173 | Less than 2.00% of mass 174        | 0.60 ( 0.86)         |
| 174 | 50.00 - 100.00% of mass 95         | 69.80                |
| 175 | 5.00 - 9.00% of mass 174           | 5.23 ( 7.49)         |
| 176 | 95.00 - 101.00% of mass 174        | 67.77 ( 97.10)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.47 ( 6.59)         |

Date : 15-FEB-2008 08:30

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t021501.d

Spectrum: Avg. Scans 37-39 ( 8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 138

| m/z   | Y      | m/z    | Y       | m/z    | Y     | m/z    | Y       |
|-------|--------|--------|---------|--------|-------|--------|---------|
| 36.00 | 11011  | 75.00  | 802816  | 123.00 | 357   | 159.00 | 1646    |
| 37.00 | 63640  | 76.00  | 68920   | 124.00 | 558   | 160.00 | 105     |
| 38.00 | 59456  | 77.00  | 7209    | 125.00 | 630   | 161.00 | 1701    |
| 39.00 | 23376  | 78.00  | 4570    | 126.00 | 495   | 163.00 | 211     |
| 40.00 | 1703   | 79.00  | 34728   | 127.00 | 635   | 164.00 | 144     |
| 43.00 | 513    | 80.00  | 10663   | 128.00 | 4904  | 166.00 | 110     |
| 44.00 | 6154   | 81.00  | 36984   | 129.00 | 2368  | 169.00 | 110     |
| 45.00 | 12882  | 82.00  | 7739    | 130.00 | 4657  | 171.00 | 396     |
| 46.00 | 743    | 83.00  | 787     | 131.00 | 1843  | 172.00 | 1561    |
| 47.00 | 14154  | 85.00  | 165     | 132.00 | 332   | 173.00 | 8988    |
| 48.00 | 7572   | 86.00  | 1055    | 133.00 | 210   | 174.00 | 1048576 |
| 49.00 | 60200  | 87.00  | 47496   | 134.00 | 160   | 175.00 | 78536   |
| 50.00 | 313216 | 88.00  | 45752   | 135.00 | 2057  | 176.00 | 1018304 |
| 51.00 | 92528  | 91.00  | 4501    | 136.00 | 393   | 177.00 | 67088   |
| 52.00 | 4211   | 92.00  | 43408   | 137.00 | 2395  | 178.00 | 1963    |
| 53.00 | 133    | 93.00  | 65144   | 139.00 | 357   | 179.00 | 474     |
| 55.00 | 3577   | 94.00  | 175872  | 140.00 | 804   | 191.00 | 196     |
| 56.00 | 21200  | 95.00  | 1502208 | 141.00 | 13534 | 193.00 | 353     |
| 57.00 | 42176  | 96.00  | 95240   | 142.00 | 1683  | 195.00 | 343     |
| 58.00 | 1763   | 97.00  | 2971    | 143.00 | 13227 | 207.00 | 10      |
| 59.00 | 321    | 104.00 | 5878    | 144.00 | 652   | 223.00 | 40      |
| 60.00 | 12481  | 105.00 | 1795    | 145.00 | 1092  | 237.00 | 127     |
| 61.00 | 68808  | 106.00 | 5222    | 146.00 | 1863  | 249.00 | 536     |
| 62.00 | 70240  | 107.00 | 1415    | 147.00 | 814   | 251.00 | 139     |
| 63.00 | 55288  | 110.00 | 833     | 148.00 | 3324  | 254.00 | 127     |
| 64.00 | 5043   | 111.00 | 911     | 149.00 | 843   | 255.00 | 111     |
| 65.00 | 1155   | 112.00 | 575     | 150.00 | 1441  | 260.00 | 86      |
| 67.00 | 3334   | 113.00 | 998     | 151.00 | 253   | 262.00 | 107     |
| 68.00 | 173312 | 115.00 | 1555    | 152.00 | 507   | 265.00 | 134     |
| 69.00 | 168704 | 116.00 | 4286    | 153.00 | 864   | 267.00 | 79      |
| 70.00 | 11278  | 117.00 | 7590    | 154.00 | 810   | 271.00 | 108     |
| 71.00 | 495    | 118.00 | 4627    | 155.00 | 3290  | 334.00 | 43      |
| 72.00 | 7336   | 119.00 | 6363    | 156.00 | 642   | 344.00 | 247     |
| 73.00 | 66016  | 120.00 | 310     | 157.00 | 2195  |        |         |
| 74.00 | 260800 | 122.00 | 384     | 158.00 | 411   |        |         |

Date : 15-FEB-2008 08:30

Client ID: BFB

Instrument: msdt.i

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

Volume Injected (uL): 1.0

Operator: sjr

Column phase:

Column diameter: 2.00

Data File: t021501.d

Spectrum: Avg. Scans 37-39 ( 8.11), Background Scan 34

Location of Maximum: 95.00

Number of points: 138

| m/z                       | Y | m/z | Y | m/z | Y | m/z | Y |
|---------------------------|---|-----|---|-----|---|-----|---|
| +-----+-----+-----+-----+ |   |     |   |     |   |     |   |

## **Shipping/ Receiving Documents**



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**180 Blue Ravine Road, Suite B  
Folsom, CA 95630**

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

COMPANY: \_\_\_\_\_ GEI Consultants, Inc.  
ATTENTION: \_\_\_\_\_ Ms. Sarah Aldridge  
FAX #: \_\_\_\_\_ 860-368-5307  
FROM: \_\_\_\_\_ Sample Receiving  
Workorder #: \_\_\_\_\_ 0802175  
# of pages (Including Cover): \_\_\_\_\_ 1

2/27/2008

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




# AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY  
**CHAIN-OF-CUSTODY RECORD**



## Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling, or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. P.O.T. Hotline (800) 487-4822

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

|                          |  |  |  |   |
|--------------------------|--|--|--|---|
| <b>Contact</b>           | Company: GEI Consultants, Inc.   |  | <b>Project Info:</b>                                       | Turn Around Time:<br><input checked="" type="checkbox"/> Normal<br><input type="checkbox"/> Rush _____<br>Specify _____ |
|                          | Address: 455 Winding Brock Glastonbury CT 06033                                    |  | P.O. #   |   |
|                          | Phone: 860-368-5300 Cell:  |  | Project # 081140 - 8 - 1703                                |   |
| Collected By: Signature: |  |  | Project Name: BayShore O&M Southern cell<br>Air Monitoring |   |

| Lab I.D. | Field Sample I.D. | Date & Time       | Analyses Requested  | Canister Pressure/Vacuum<br>Initial Final Receipt |
|----------|-------------------|-------------------|---------------------|---|
| OIA      | UV - AMS 6        | 9/25              | TO-15 + Naphthalene | -30 -8  |
| DBK      | DW - AMS 1        | 9/26/08 6:15/1445 | TO-15 + Naphthalene | -25 -10   |
|          |                   |                   |                     |   |
|          |                   |                   |                     |   |
|          |                   |                   |                     |   |

|  |   |  |
|--|---|--|
| Relinquished By: (Signature) Date/Time   | Received By: (Signature) Date/Time  | Notes: used flow controllers included<br>Initial and final can pressures in inches Hg!<br>Send Data Pack to Lisa McDonough and EDD to<br>data@cup@geiconsultants.com |
|  8-6-2008 |  9-25-08 09:00 |  |
| Relinquished By: (Signature) Date/Time   | Received By: (Signature) Date/Time  |  |
| Relinquished By: (Signature) Date/Time   | Received By: (Signature) Date/Time  |  |

|              |                |            |           |           |               |                      |              |
|--------------|----------------|------------|-----------|-----------|---------------|----------------------|--------------|
| Lab Use Only | Shipper Name   | Air Bill # | Opened By | Temp. (C) | Condition     | Checked (See Inset?) | Work Order # |
| FedEx        | 8612 8341 8936 | AVON       | MA        | Good      | Yes No (None) | 0802175              |              |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

## SAMPLE RECEIPT SUMMARY

### WORKORDER 0802175

**Client**

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

**Phone**

860-368-5300

**Fax**

860-368-5307

**Date Promised:** 02/25/08

**Date Completed:** 2/22/08

**Date Received:** 2/8/08

**PO#:** NR

**Project#:** 061140-8-1703 BayShore OU1 Southern cell  
Air Monitorin

**Total \$:** \$ 624.00

**Logged By:** TS

**Sales Rep:** ANS

| <u>Fraction</u>  | <u>Sample #</u> | <u>Analysis</u> | <u>Collected</u> | <u>Receipt<br/>Vac./Pres.</u> | <u>Amount\$</u> |
|--|-----------------|-----------------|------------------|-------------------------------|-----------------|
| 01A  | UW-AMS 5        | Modified TO-15  | 2/6/2008         | 7.0 "Hg                       | \$225.00        |
| 02A  | DW-AMS 1        | Modified TO-15  | 2/6/2008         | 9.5 "Hg                       | \$225.00        |
| 03A  | Lab Blank       | Modified TO-15  | NA               | NA                            | \$0.00          |
| 04A  | CCV             | Modified TO-15  | NA               | NA                            | \$0.00          |
| 05A  | LCS             | Modified TO-15  | NA               | NA                            | \$0.00          |
| Misc. Charges 6 Liter Summa Canister (2) @ \$50.00 each., Shipment 54020 |                 |                 |                  |                               | \$100.00        |
| Blue Body Flow Controller (2) @ \$35.00 each., Shipment 54020            |                 |                 |                  |                               | \$70.00         |
| Fuel Surcharge (2) @ \$2.00 each.  |                 |                 |                  |                               | \$4.00          |

**Note:** Samples received after 3 P.M. PST are considered to be received on the following work day.  
Atlas Project Name/Profile#: Bay Shore OU1 South Perimeter Air/9699

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

Analysis Code: TO-14A

**TERMS:**

Reporting Method: Modified TO-15 + Naph

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630  
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

# Sample Discrepancy Report

## Identification

Initiated By: TS Date: 2/11/08

Discrepancy Type:  I.  II.  III.  
(circle all that apply)

Workorder(s) affected: 0802175 Sample(s) affected: All

## 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).

Other

Describe the Discrepancy: Tags: 01A - AMS 5 UW 02A - AMS 1 DW

### Narration Required:

- COC improperly relinquished / received.
- ~~Sample tags / can numbers do not match the COC.~~ *Do not narrate m 2/11/08*
- 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).

## 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<sub>2</sub>O 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<sub>2</sub> 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: \_\_\_\_\_ Date: \_\_\_\_\_  
(if not the original Initiator)

CSR Notified  
(see section below)

Describe the Discrepancy: \_\_\_\_\_

## **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

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

| 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 | Type |
|------------|----------------------------------|-----------------|------|
|            |                                  | ppbv            |      |
| 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 | Type |
|------------|---------------------------|-----------------|------|
|            |                           | ppbv            |      |
| 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            |      |



DATA REVIEW CHECKLIST

Work Order #:

0802175

A R T M Q
[Handwritten marks in columns]

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

LUMEN validation report present and initialed

CIRCLE (YES / NO)

- Lab Blank, CCV, LCS and DUP met QC criteria
Hold time is met for all samples
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)
TICs resemble reference spectra
TICs between duplicate samples are consistent
Checked samples for trends (i.e. Influent>Effluent, Landfill or Ambient etc)
Special units for all samples in the final report are correctly calculated
Manually entered results checked (i.e. special CCV compounds)
TPH/NMOC (verify calculations and correct reference compound used)
Chain of Custody scanned correctly
Verify sample id's vs. chain of custody
Samples pressurized w/ appropriate gas (N2 or He)
Final pressure consistent with canister size (6L vs. 1L)
Verify receipt pressures against logbook and Target
Verify canister ID #'s
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: out in CCV

M/Q:

A (Analytical Review/Date) R/T (Reporting Review/Date) M (Management Review/Date) Q (QA Review/Date)
[Handwritten signatures and dates]

T:

**Not Applicable**