



***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 #: 0804095

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Comments:

Completed by:

**Kara McKiernan**

(Signature)

Kara McKiernan / Document Control

( Print Name & Title)

4/18/08

(Date)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**WORK ORDER #: 0804095**

Work Order Summary

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

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

**PHONE:** 631-760-9300 x 12

**P.O. #** NR

**FAX:**


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

**DATE RECEIVED:** 04/03/2008

**CONTACT:** cell Air Monitorin  
Bryanna Langley

**DATE COMPLETED:** 04/16/2008

| <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 | 6.0 "Hg                       | 5 psi                     |
| 02A               | DW 31138    | Modified TO-15 | 6.5 "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: 04/16/08

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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(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE**  
**Modified TO-15**  
**GEI Consultants, Inc.**  
**Workorder# 0804095**

Two 6 Liter Summa Canister samples were received on April 03, 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**

The Chain of Custody (COC) information for sample DW 31138 did not match the entry on the sample tag with regard to sample identification. The information on the COC was used to process and report the sample.

**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                    | 0804095-01A              | 4/ 2/2008                 | 4/ 3/2008                | NA                        | 11  | 4/13/2008                | NA  | Good                        |
| DW 31138                    | 0804095-02A              | 4/ 2/2008                 | 4/ 3/2008                | NA                        | 11  | 4/13/2008                | NA  | Good                        |
| Lab Blank                   | 0804095-03A              | NA                        | NA                       | NA                        | NA  | 4/12/2008                | NA  | Good                        |
| CCV                         | 0804095-04A              | NA                        | NA                       | NA                        | NA  | 4/12/2008                | NA  | Good                        |
| LCS                         | 0804095-05A              | NA                        | NA                       | NA                        | NA  | 4/12/2008                | 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#: 0804095-01A**

No Detections Were Found.





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0804095-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 5041221 | Date of Collection: | 4/2/08           |
| Dil. Factor: | 1.68    | Date of Analysis:   | 4/13/08 04:20 AM |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                  | 0.84              | Not Detected  | 4.2                | Not Detected   |
| Freon 114                 | 0.84              | Not Detected  | 5.9                | Not Detected   |
| Vinyl Chloride            | 0.84              | Not Detected  | 2.1                | Not Detected   |
| Bromomethane              | 0.84              | Not Detected  | 3.3                | Not Detected   |
| Chloroethane              | 0.84              | Not Detected  | 2.2                | Not Detected   |
| Freon 11                  | 0.84              | Not Detected  | 4.7                | Not Detected   |
| 1,1-Dichloroethene        | 0.84              | Not Detected  | 3.3                | Not Detected   |
| Freon 113                 | 0.84              | Not Detected  | 6.4                | Not Detected   |
| Methylene Chloride        | 0.84              | Not Detected  | 2.9                | Not Detected   |
| 1,1-Dichloroethane        | 0.84              | Not Detected  | 3.4                | Not Detected   |
| cis-1,2-Dichloroethene    | 0.84              | Not Detected  | 3.3                | Not Detected   |
| Chloroform                | 0.84              | Not Detected  | 4.1                | Not Detected   |
| 1,1,1-Trichloroethane     | 0.84              | Not Detected  | 4.6                | Not Detected   |
| Carbon Tetrachloride      | 0.84              | Not Detected  | 5.3                | Not Detected   |
| Benzene                   | 0.84              | Not Detected  | 2.7                | Not Detected   |
| 1,2-Dichloroethane        | 0.84              | Not Detected  | 3.4                | Not Detected   |
| Trichloroethene           | 0.84              | Not Detected  | 4.5                | Not Detected   |
| 1,2-Dichloropropane       | 0.84              | Not Detected  | 3.9                | Not Detected   |
| cis-1,3-Dichloropropene   | 0.84              | Not Detected  | 3.8                | Not Detected   |
| Toluene                   | 0.84              | Not Detected  | 3.2                | Not Detected   |
| trans-1,3-Dichloropropene | 0.84              | Not Detected  | 3.8                | Not Detected   |
| 1,1,2-Trichloroethane     | 0.84              | Not Detected  | 4.6                | Not Detected   |
| Tetrachloroethene         | 0.84              | Not Detected  | 5.7                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.84              | Not Detected  | 6.4                | Not Detected   |
| Chlorobenzene             | 0.84              | Not Detected  | 3.9                | Not Detected   |
| Ethyl Benzene             | 0.84              | Not Detected  | 3.6                | Not Detected   |
| m,p-Xylene                | 0.84              | Not Detected  | 3.6                | Not Detected   |
| o-Xylene                  | 0.84              | Not Detected  | 3.6                | Not Detected   |
| Styrene                   | 0.84              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.84              | Not Detected  | 5.8                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.84              | Not Detected  | 4.1                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.84              | Not Detected  | 4.1                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.84              | Not Detected  | 5.0                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.84              | Not Detected  | 5.0                | Not Detected   |
| alpha-Chlorotoluene       | 0.84              | Not Detected  | 4.3                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.84              | Not Detected  | 5.0                | Not Detected   |
| 1,3-Butadiene             | 0.84              | Not Detected  | 1.8                | Not Detected   |
| Hexane                    | 0.84              | Not Detected  | 3.0                | Not Detected   |
| Cyclohexane               | 0.84              | Not Detected  | 2.9                | Not Detected   |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: UW AMS 5

Lab ID#: 0804095-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 5041221 | Date of Collection: | 4/2/08           |
| Dil. Factor: | 1.68    | Date of Analysis:   | 4/13/08 04:20 AM |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Heptane                          | 0.84              | Not Detected  | 3.4                | Not Detected   |
| Bromodichloromethane             | 0.84              | Not Detected  | 5.6                | Not Detected   |
| Dibromochloromethane             | 0.84              | Not Detected  | 7.2                | Not Detected   |
| Cumene                           | 0.84              | Not Detected  | 4.1                | Not Detected   |
| Propylbenzene                    | 0.84              | Not Detected  | 4.1                | Not Detected   |
| Chloromethane                    | 3.4               | Not Detected  | 6.9                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 3.4               | Not Detected  | 25                 | Not Detected   |
| Hexachlorobutadiene              | 3.4               | Not Detected  | 36                 | Not Detected   |
| Acetone                          | 3.4               | Not Detected  | 8.0                | Not Detected   |
| Carbon Disulfide                 | 0.84              | Not Detected  | 2.6                | Not Detected   |
| 2-Propanol                       | 3.4               | Not Detected  | 8.2                | Not Detected   |
| trans-1,2-Dichloroethene         | 0.84              | Not Detected  | 3.3                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.84              | Not Detected  | 2.5                | Not Detected   |
| Tetrahydrofuran                  | 0.84              | Not Detected  | 2.5                | Not Detected   |
| 1,4-Dioxane                      | 3.4               | Not Detected  | 12                 | Not Detected   |
| 4-Methyl-2-pentanone             | 0.84              | Not Detected  | 3.4                | Not Detected   |
| 2-Hexanone                       | 3.4               | Not Detected  | 14                 | Not Detected   |
| Bromoform                        | 0.84              | Not Detected  | 8.7                | Not Detected   |
| 4-Ethyltoluene                   | 0.84              | Not Detected  | 4.1                | Not Detected   |
| Ethanol                          | 3.4               | Not Detected  | 6.3                | Not Detected   |
| Methyl tert-butyl ether          | 0.84              | Not Detected  | 3.0                | Not Detected   |
| 3-Chloropropene                  | 3.4               | Not Detected  | 10                 | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.84              | Not Detected  | 3.9                | Not Detected   |
| Naphthalene                      | 3.4               | Not Detected  | 18                 | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 109       | 70-130        |
| 1,2-Dichloroethane-d4 | 108       | 70-130        |
| 4-Bromofluorobenzene  | 96        | 70-130        |

Report Date: 16-Apr-2008 15:46

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12apr.b/5041221.d  
 Lab Smp Id: 0804095-01A  
 Inj Date : 13-APR-2008 04:20  
 Operator : kr Inst ID: msd5.i  
 Smp Info : 200mL #939  
 Misc Info : 6.0"Hg-5psi GEI  
 Comment :  
 Method : /chem/msd5.i/5-12apr.b/t14q409a.m  
 Meth Date : 16-Apr-2008 15:44 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1  
 Dil Factor: 1.68000  
 Integrator: HP RTE Compound Sublist: TO15N.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  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====          | =====  |  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |                |        |  |
| 8.087   | 8.087  | (1.000)  | 130   | 159125   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 8.087   | 8.087  | (1.000)  | 128   | 121572   |         |         | 47.34- 107.34  | 76.40  |  |
| 8.059   | 8.087  | (1.000)  | 49    | 308589   |         |         | 173.79- 233.79 | 193.93 |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |                |        |  |
| 9.939   | 9.939  | (1.000)  | 114   | 720611   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 9.912   | 9.939  | (1.000)  | 88    | 109620   |         |         | 0.00- 44.99    | 15.21  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |                |        |  |
| 14.999  | 14.999 | (1.000)  | 117   | 832300   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 14.999  | 14.999 | (1.000)  | 82    | 436378   |         |         | 0.00- 30.00    | 52.43  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |                |        |  |
| 9.137   | 9.137  | (1.130)  | 65    | 229866   | 27.0119 | 27.012  | 80.00- 120.00  | 100.00 |  |
| 9.137   | 9.137  | (1.130)  | 67    | 123081   |         |         | 28.07- 88.07   | 53.54  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |                |        |  |
| 12.704  | 12.704 | (1.278)  | 98    | 823212   | 27.2686 | 27.269  | 80.00- 120.00  | 100.00 |  |
| 12.704  | 12.704 | (1.278)  | 70    | 84555    |         |         | 0.00- 39.37    | 10.27  |  |

CONCENTRATIONS

ON-COL FINAL

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

\$ 107 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 12.704 | 12.704 | (1.278) | 100 | 542872 |  |  | 40.62- 100.62 | 65.95 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 138 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |        |         |        |                |        |
|--------|--------|---------|-----|--------|---------|--------|----------------|--------|
| 16.575 | 16.575 | (1.105) | 174 | 478722 | 23.9247 | 23.925 | 80.00- 120.00  | 100.00 |
| 16.575 | 16.575 | (1.105) | 95  | 666891 |         |        | 110.31- 170.31 | 139.31 |
| 16.575 | 16.575 | (1.105) | 176 | 461095 |         |        | 64.05- 124.05  | 96.32  |

Report Date: 16-Apr-2008 15:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARYInstrument ID: msd5.i  
Lab File ID: 5041221.d  
Lab Smp Id: 0804095-01ACalibration Date: 12-APR-2008  
Calibration Time: 16:25

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: kr

Method File: /chem/msd5.i/5-12apr.b/t14q409a.m

Misc Info: 6.0"Hg-5psi GEI

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE | %DIFF  |
|----------------------|----------|------------|---------|--------|--------|
|                      |          | LOWER      | UPPER   |        |        |
| 71 Bromochloromethan | 235719   | 141431     | 330007  | 159125 | -32.49 |
| 92 1,4-Difluorobenze | 1116148  | 669689     | 1562607 | 720611 | -35.44 |
| 125 Chlorobenzene-d5 | 1213132  | 727879     | 1698385 | 832300 | -31.39 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.09     | 7.76     | 8.42  | 8.09   | 0.00  |
| 92 1,4-Difluorobenze | 9.94     | 9.61     | 10.27 | 9.94   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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: 5-12apr  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: 0804095-01A  
Level: LOW Operator: kr  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: TO15N.sub  
Method File: /chem/msd5.i/5-12apr.b/t14q409a.m  
Misc Info: 6.0"Hg-5psi GEI

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 84 1,2-Dichloroethane  | 25.000                | 27.012                    | 108.05         | 70-130 |
| \$ 107 Toluene-d8         | 25.000                | 27.269                    | 109.07         | 70-130 |
| \$ 138 Bromofluorobenzene | 25.000                | 23.925                    | 95.70          | 70-130 |

Data File: /chem/msd5.1/5-12apr.b/5041221.d

Date: 13-Apr-2008 04:20

Client ID:

Sample Info: 200mL #939

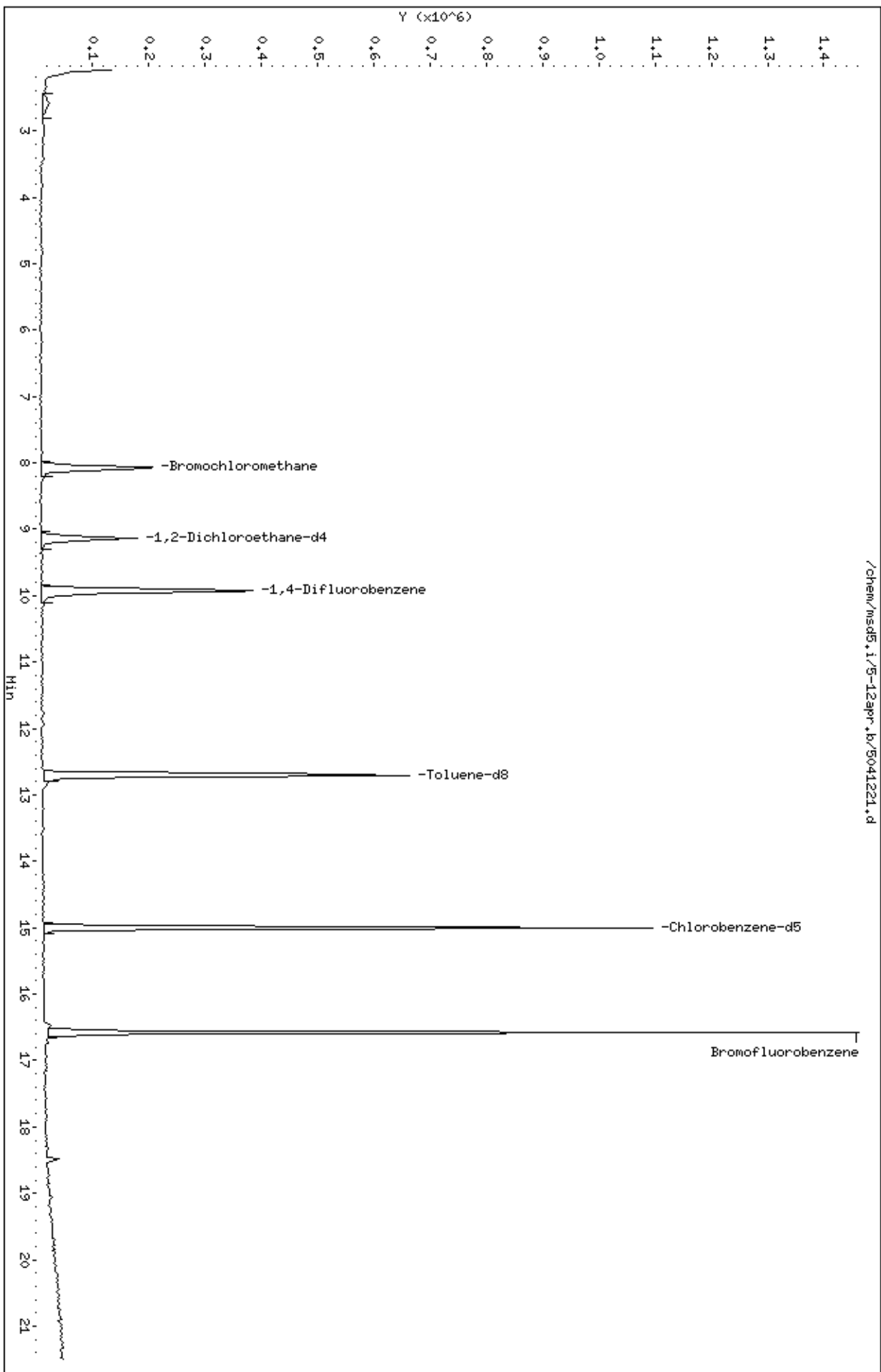
Column phase: RTX-624

Instrument: msd5.1

Operator: kp

Column diameter: 0.53

/chem/msd5.1/5-12apr.b/5041221.d





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 31138**

**Lab ID#: 0804095-02A**

No Detections Were Found.





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW 31138

Lab ID#: 0804095-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 5041222 | Date of Collection: | 4/2/08           |
| Dil. Factor: | 1.71    | Date of Analysis:   | 4/13/08 04:52 AM |

| Compound                  | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|---------------------------|-------------------|---------------|--------------------|----------------|
| Freon 12                  | 0.86              | Not Detected  | 4.2                | Not Detected   |
| Freon 114                 | 0.86              | Not Detected  | 6.0                | Not Detected   |
| Vinyl Chloride            | 0.86              | Not Detected  | 2.2                | Not Detected   |
| Bromomethane              | 0.86              | Not Detected  | 3.3                | Not Detected   |
| Chloroethane              | 0.86              | Not Detected  | 2.2                | Not Detected   |
| Freon 11                  | 0.86              | Not Detected  | 4.8                | Not Detected   |
| 1,1-Dichloroethene        | 0.86              | Not Detected  | 3.4                | Not Detected   |
| Freon 113                 | 0.86              | Not Detected  | 6.6                | Not Detected   |
| Methylene Chloride        | 0.86              | Not Detected  | 3.0                | Not Detected   |
| 1,1-Dichloroethane        | 0.86              | Not Detected  | 3.5                | Not Detected   |
| cis-1,2-Dichloroethene    | 0.86              | Not Detected  | 3.4                | Not Detected   |
| Chloroform                | 0.86              | Not Detected  | 4.2                | Not Detected   |
| 1,1,1-Trichloroethane     | 0.86              | Not Detected  | 4.7                | Not Detected   |
| Carbon Tetrachloride      | 0.86              | Not Detected  | 5.4                | Not Detected   |
| Benzene                   | 0.86              | Not Detected  | 2.7                | Not Detected   |
| 1,2-Dichloroethane        | 0.86              | Not Detected  | 3.5                | Not Detected   |
| Trichloroethene           | 0.86              | Not Detected  | 4.6                | Not Detected   |
| 1,2-Dichloropropane       | 0.86              | Not Detected  | 4.0                | Not Detected   |
| cis-1,3-Dichloropropene   | 0.86              | Not Detected  | 3.9                | Not Detected   |
| Toluene                   | 0.86              | Not Detected  | 3.2                | Not Detected   |
| trans-1,3-Dichloropropene | 0.86              | Not Detected  | 3.9                | Not Detected   |
| 1,1,2-Trichloroethane     | 0.86              | Not Detected  | 4.7                | Not Detected   |
| Tetrachloroethene         | 0.86              | Not Detected  | 5.8                | Not Detected   |
| 1,2-Dibromoethane (EDB)   | 0.86              | Not Detected  | 6.6                | Not Detected   |
| Chlorobenzene             | 0.86              | Not Detected  | 3.9                | Not Detected   |
| Ethyl Benzene             | 0.86              | Not Detected  | 3.7                | Not Detected   |
| m,p-Xylene                | 0.86              | Not Detected  | 3.7                | Not Detected   |
| o-Xylene                  | 0.86              | Not Detected  | 3.7                | Not Detected   |
| Styrene                   | 0.86              | Not Detected  | 3.6                | Not Detected   |
| 1,1,2,2-Tetrachloroethane | 0.86              | Not Detected  | 5.9                | Not Detected   |
| 1,3,5-Trimethylbenzene    | 0.86              | Not Detected  | 4.2                | Not Detected   |
| 1,2,4-Trimethylbenzene    | 0.86              | Not Detected  | 4.2                | Not Detected   |
| 1,3-Dichlorobenzene       | 0.86              | Not Detected  | 5.1                | Not Detected   |
| 1,4-Dichlorobenzene       | 0.86              | Not Detected  | 5.1                | Not Detected   |
| alpha-Chlorotoluene       | 0.86              | Not Detected  | 4.4                | Not Detected   |
| 1,2-Dichlorobenzene       | 0.86              | Not Detected  | 5.1                | Not Detected   |
| 1,3-Butadiene             | 0.86              | Not Detected  | 1.9                | Not Detected   |
| Hexane                    | 0.86              | Not Detected  | 3.0                | Not Detected   |
| Cyclohexane               | 0.86              | Not Detected  | 2.9                | Not Detected   |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DW 31138

Lab ID#: 0804095-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                  |
|--------------|---------|---------------------|------------------|
| File Name:   | 5041222 | Date of Collection: | 4/2/08           |
| Dil. Factor: | 1.71    | Date of Analysis:   | 4/13/08 04:52 AM |

| Compound                         | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|----------------------------------|-------------------|---------------|--------------------|----------------|
| Heptane                          | 0.86              | Not Detected  | 3.5                | Not Detected   |
| Bromodichloromethane             | 0.86              | Not Detected  | 5.7                | Not Detected   |
| Dibromochloromethane             | 0.86              | Not Detected  | 7.3                | Not Detected   |
| Cumene                           | 0.86              | Not Detected  | 4.2                | Not Detected   |
| Propylbenzene                    | 0.86              | Not Detected  | 4.2                | Not Detected   |
| Chloromethane                    | 3.4               | Not Detected  | 7.1                | Not Detected   |
| 1,2,4-Trichlorobenzene           | 3.4               | Not Detected  | 25                 | Not Detected   |
| Hexachlorobutadiene              | 3.4               | Not Detected  | 36                 | Not Detected   |
| Acetone                          | 3.4               | Not Detected  | 8.1                | Not Detected   |
| Carbon Disulfide                 | 0.86              | Not Detected  | 2.7                | Not Detected   |
| 2-Propanol                       | 3.4               | Not Detected  | 8.4                | Not Detected   |
| trans-1,2-Dichloroethene         | 0.86              | Not Detected  | 3.4                | Not Detected   |
| 2-Butanone (Methyl Ethyl Ketone) | 0.86              | Not Detected  | 2.5                | Not Detected   |
| Tetrahydrofuran                  | 0.86              | Not Detected  | 2.5                | Not Detected   |
| 1,4-Dioxane                      | 3.4               | Not Detected  | 12                 | Not Detected   |
| 4-Methyl-2-pentanone             | 0.86              | Not Detected  | 3.5                | Not Detected   |
| 2-Hexanone                       | 3.4               | Not Detected  | 14                 | Not Detected   |
| Bromoform                        | 0.86              | Not Detected  | 8.8                | Not Detected   |
| 4-Ethyltoluene                   | 0.86              | Not Detected  | 4.2                | Not Detected   |
| Ethanol                          | 3.4               | Not Detected  | 6.4                | Not Detected   |
| Methyl tert-butyl ether          | 0.86              | Not Detected  | 3.1                | Not Detected   |
| 3-Chloropropene                  | 3.4               | Not Detected  | 11                 | Not Detected   |
| 2,2,4-Trimethylpentane           | 0.86              | Not Detected  | 4.0                | Not Detected   |
| Naphthalene                      | 3.4               | Not Detected  | 18                 | Not Detected   |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| Toluene-d8            | 111       | 70-130        |
| 1,2-Dichloroethane-d4 | 114       | 70-130        |
| 4-Bromofluorobenzene  | 96        | 70-130        |

Report Date: 16-Apr-2008 15:46

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12apr.b/5041222.d  
 Lab Smp Id: 0804095-02A  
 Inj Date : 13-APR-2008 04:52  
 Operator : kr Inst ID: msd5.i  
 Smp Info : 200mL #31138  
 Misc Info : 6.5"Hg-5psi GEI  
 Comment :  
 Method : /chem/msd5.i/5-12apr.b/t14q409a.m  
 Meth Date : 16-Apr-2008 15:44 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1  
 Dil Factor: 1.71000  
 Integrator: HP RTE Compound Sublist: TO15N.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS |                       |          |       |          |         |                   |        |       |
|----------------|-----------------------|----------|-------|----------|---------|-------------------|--------|-------|
| RT             | EXP RT                | (REL RT) | MASS  | RESPONSE |         | TARGET RANGE      | RATIO  |       |
|                |                       |          |       | ( PPBV)  | ( PPBV) |                   |        |       |
| ==             | =====                 | =====    | ===== | =====    | =====   | =====             | =====  | ===== |
| -----          |                       |          |       |          |         |                   |        |       |
| * 71           | Bromochloromethane    |          |       |          |         | CAS #: 74-97-5    |        |       |
| 8.087          | 8.087                 | (1.000)  | 130   | 154554   | 25.0000 | 80.00- 120.00     | 100.00 |       |
| 8.087          | 8.087                 | (1.000)  | 128   | 116538   |         | 47.34- 107.34     | 75.40  |       |
| 8.059          | 8.087                 | (1.000)  | 49    | 307737   |         | 173.79- 233.79    | 199.11 |       |
| -----          |                       |          |       |          |         |                   |        |       |
| * 92           | 1,4-Difluorobenzene   |          |       |          |         | CAS #: 540-36-3   |        |       |
| 9.939          | 9.939                 | (1.000)  | 114   | 707047   | 25.0000 | 80.00- 120.00     | 100.00 |       |
| 9.912          | 9.939                 | (1.000)  | 88    | 108160   |         | 0.00- 44.99       | 15.30  |       |
| -----          |                       |          |       |          |         |                   |        |       |
| * 125          | Chlorobenzene-d5      |          |       |          |         | CAS #: 3114-55-4  |        |       |
| 14.999         | 14.999                | (1.000)  | 117   | 817860   | 25.0000 | 80.00- 120.00     | 100.00 |       |
| 14.999         | 14.999                | (1.000)  | 82    | 431666   |         | 0.00- 30.00       | 52.78  |       |
| -----          |                       |          |       |          |         |                   |        |       |
| \$ 84          | 1,2-Dichloroethane-d4 |          |       |          |         | CAS #: 17060-07-0 |        |       |
| 9.137          | 9.137                 | (1.130)  | 65    | 236589   | 28.6242 | 80.00- 120.00     | 100.00 |       |
| 9.137          | 9.137                 | (1.130)  | 67    | 115721   |         | 28.07- 88.07      | 48.91  |       |
| -----          |                       |          |       |          |         |                   |        |       |
| \$ 107         | Toluene-d8            |          |       |          |         | CAS #: 2037-26-5  |        |       |
| 12.704         | 12.704                | (1.278)  | 98    | 822278   | 27.7602 | 80.00- 120.00     | 100.00 |       |
| 12.704         | 12.704                | (1.278)  | 70    | 79187    |         | 0.00- 39.37       | 9.63   |       |

CONCENTRATIONS

ON-COL FINAL

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

\$ 107 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 12.704 | 12.704 | (1.278) | 100 | 531658 |  |  | 40.62- 100.62 | 64.66 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 138 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |        |         |        |                |        |
|--------|--------|---------|-----|--------|---------|--------|----------------|--------|
| 16.575 | 16.575 | (1.105) | 174 | 473598 | 24.0865 | 24.086 | 80.00- 120.00  | 100.00 |
| 16.575 | 16.575 | (1.105) | 95  | 672022 |         |        | 110.31- 170.31 | 141.90 |
| 16.575 | 16.575 | (1.105) | 176 | 447855 |         |        | 64.05- 124.05  | 94.56  |

Report Date: 16-Apr-2008 15:46

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARYInstrument ID: msd5.i  
Lab File ID: 5041222.d  
Lab Smp Id: 0804095-02ACalibration Date: 12-APR-2008  
Calibration Time: 16:25

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: kr

Method File: /chem/msd5.i/5-12apr.b/t14q409a.m

Misc Info: 6.5"Hg-5psi GEI

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE | %DIFF  |
|----------------------|----------|------------|---------|--------|--------|
|                      |          | LOWER      | UPPER   |        |        |
| 71 Bromochloromethan | 235719   | 141431     | 330007  | 154554 | -34.43 |
| 92 1,4-Difluorobenze | 1116148  | 669689     | 1562607 | 707047 | -36.65 |
| 125 Chlorobenzene-d5 | 1213132  | 727879     | 1698385 | 817860 | -32.58 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.09     | 7.76     | 8.42  | 8.09   | 0.00  |
| 92 1,4-Difluorobenze | 9.94     | 9.61     | 10.27 | 9.94   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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: 5-12apr  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: 0804095-02A  
Level: LOW Operator: kr  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: TO15N.sub  
Method File: /chem/msd5.i/5-12apr.b/t14q409a.m  
Misc Info: 6.5"Hg-5psi GEI

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 84 1,2-Dichloroethane  | 25.000                | 28.624                    | 114.50         | 70-130 |
| \$ 107 Toluene-d8         | 25.000                | 27.760                    | 111.04         | 70-130 |
| \$ 138 Bromofluorobenzene | 25.000                | 24.086                    | 96.35          | 70-130 |

Data File: /chem/msd5.1/5-12apr.b/5041222.d

Date: 13-APR-2008 04:52

Client ID:

Sample Info: 200mL #31138

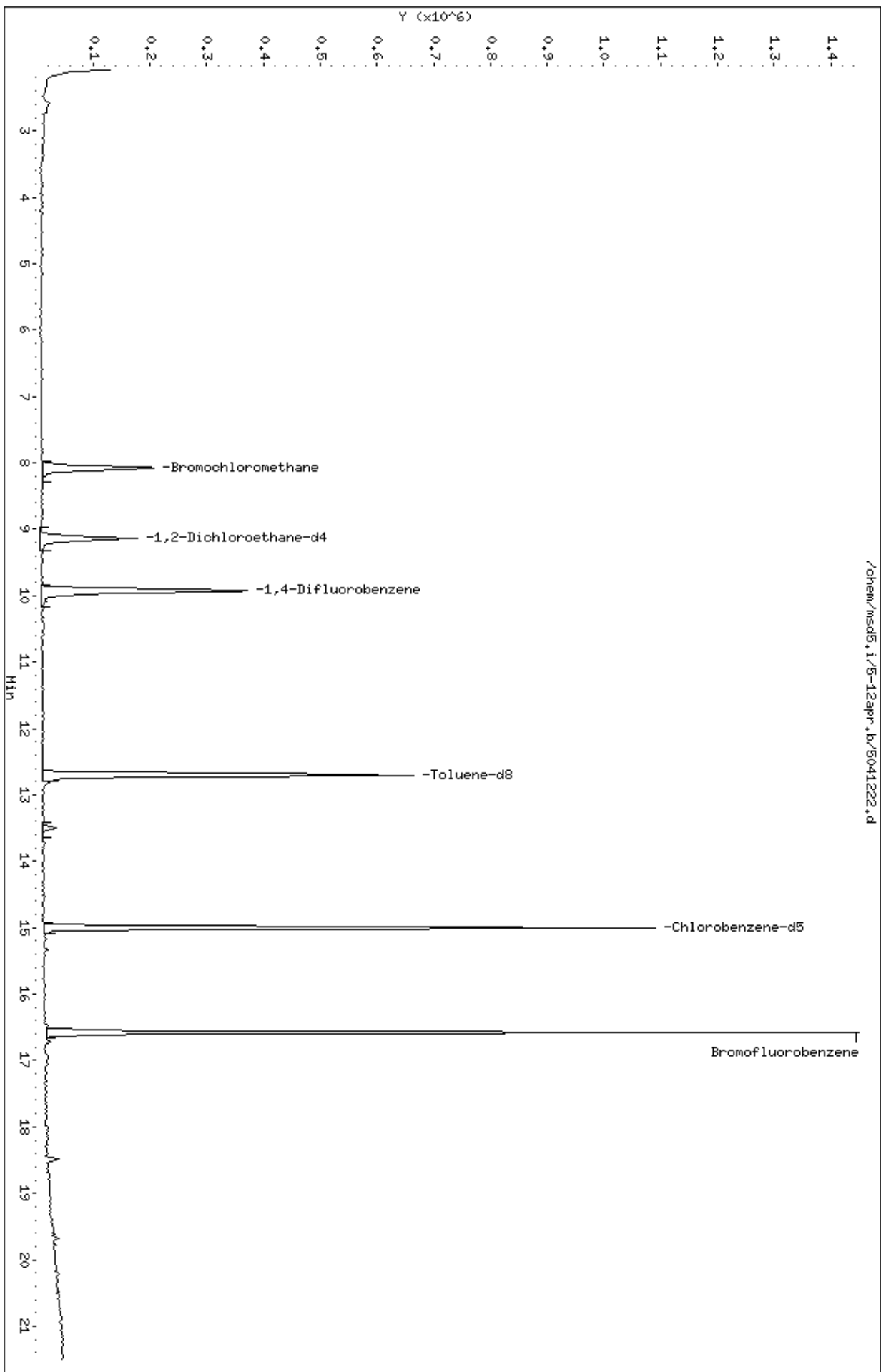
Column phase: RTX-624

Instrument: msd5.1

Operator: kp

Column diameter: 0.53

/chem/msd5.1/5-12apr.b/5041222.d



## **QC Results and Raw Data**





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0804095-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 5041209e | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 4/12/08 09:20 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#: 0804095-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | 5041209e | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 4/12/08 09:20 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            | 109       | 70-130        |
| 1,2-Dichloroethane-d4 | 115       | 70-130        |
| 4-Bromofluorobenzene  | 97        | 70-130        |

Report Date: 16-Apr-2008 15:59

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12apr.b/5041209e.d  
 Lab Smp Id: Lab Blank Client Smp ID: Lab Blank  
 Inj Date : 12-APR-2008 21:20  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 200mL #33376  
 Misc Info : Humid  
 Comment :  
 Method : /chem/msd5.i/5-12apr.b/t14q409a.m  
 Meth Date : 16-Apr-2008 15:44 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: TO15N.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  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====          | =====  |  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |                |        |  |
| 8.087   | 8.087  | (1.000)  | 130   | 168119   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 8.087   | 8.087  | (1.000)  | 128   | 129627   |         |         | 47.34- 107.34  | 77.10  |  |
| 8.059   | 8.087  | (1.000)  | 49    | 349332   |         |         | 173.79- 233.79 | 207.79 |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |                |        |  |
| 9.939   | 9.939  | (1.000)  | 114   | 785773   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 9.912   | 9.939  | (1.000)  | 88    | 119183   |         |         | 0.00- 44.99    | 15.17  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |                |        |  |
| 14.999  | 14.999 | (1.000)  | 117   | 874488   | 25.0000 |         | 80.00- 120.00  | 100.00 |  |
| 14.999  | 14.999 | (1.000)  | 82    | 463063   |         |         | 0.00- 30.00    | 52.95  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |                |        |  |
| 9.137   | 9.137  | (1.130)  | 65    | 257597   | 28.6512 | 28.651  | 80.00- 120.00  | 100.00 |  |
| 9.137   | 9.137  | (1.130)  | 67    | 129761   |         |         | 28.07- 88.07   | 50.37  |  |
| -----   |        |          |       |          |         |         |                |        |  |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |                |        |  |
| 12.704  | 12.704 | (1.278)  | 98    | 895750   | 27.2108 | 27.211  | 80.00- 120.00  | 100.00 |  |
| 12.704  | 12.704 | (1.278)  | 70    | 94015    |         |         | 0.00- 39.37    | 10.50  |  |

CONCENTRATIONS

ON-COL FINAL

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

\$ 107 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 12.704 | 12.704 | (1.278) | 100 | 580328 |  |  | 40.62- 100.62 | 64.79 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 138 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |        |         |        |                |        |
|--------|--------|---------|-----|--------|---------|--------|----------------|--------|
| 16.575 | 16.575 | (1.105) | 174 | 511242 | 24.3173 | 24.317 | 80.00- 120.00  | 100.00 |
| 16.575 | 16.575 | (1.105) | 95  | 734120 |         |        | 110.31- 170.31 | 143.60 |
| 16.575 | 16.575 | (1.105) | 176 | 486569 |         |        | 64.05- 124.05  | 95.17  |

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
 AREA AND RT SUMMARY

Instrument ID: msd5.i  
 Lab File ID: 5041209e.d  
 Lab Smp Id: Lab Blank  
 Analysis Type: VOA  
 Quant Type: ISTD  
 Operator: ct  
 Method File: /chem/msd5.i/5-12apr.b/t14q409a.m  
 Misc Info: Humid

Calibration Date: 12-APR-2008  
 Calibration Time: 16:25  
 Client Smp ID: Lab Blank  
 Level: LOW  
 Sample Type: AIR

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE | %DIFF  |
|----------------------|----------|------------|---------|--------|--------|
|                      |          | LOWER      | UPPER   |        |        |
| 71 Bromochloromethan | 235719   | 141431     | 330007  | 168119 | -28.68 |
| 92 1,4-Difluorobenze | 1116148  | 669689     | 1562607 | 785773 | -29.60 |
| 125 Chlorobenzene-d5 | 1213132  | 727879     | 1698385 | 874488 | -27.91 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.09     | 7.76     | 8.42  | 8.09   | 0.00  |
| 92 1,4-Difluorobenze | 9.94     | 9.61     | 10.27 | 9.94   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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: 5-12apr  
Sample Matrix: GAS Fraction: VOA  
Lab Smp Id: Lab Blank Client Smp ID: Lab Blank  
Level: LOW Operator: ct  
Data Type: MS DATA SampleType: SAMPLE  
SpikeList File: 2926Spectra.spk Quant Type: ISTD  
Sublist File: TO15N.sub  
Method File: /chem/msd5.i/5-12apr.b/t14q409a.m  
Misc Info: Humid

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 84 1,2-Dichloroethane  | 25.000                | 28.651                    | 114.60         | 70-130 |
| \$ 107 Toluene-d8         | 25.000                | 27.211                    | 108.84         | 70-130 |
| \$ 138 Bromofluorobenzene | 25.000                | 24.317                    | 97.27          | 70-130 |

Data File: /chem/msd5.1/5-12apr.b/5041209e.d

Date : 12-APR-2008 21:20

Client ID: Lab Blank

Sample Info: 200mL #33376

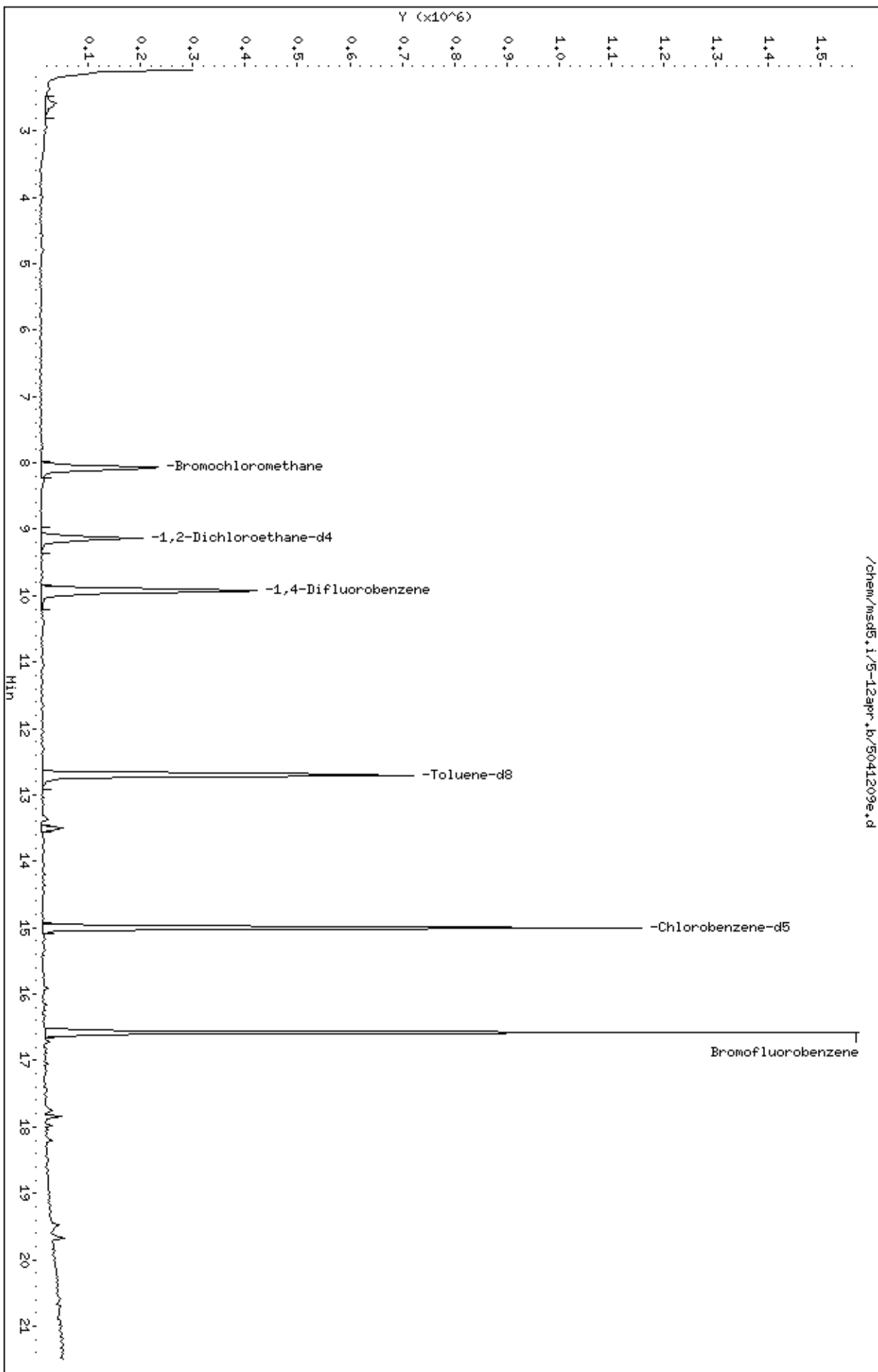
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-12apr.b/5041209e.d



# LEVEL-IV VALIDATABLE

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

SURROGATE RECOVERY FORM

Lab Name: AIR TOXICS LIMITED.

SDG No.: 0804095

| 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                  | 108 |            | 109 |                          | 96  |  |              | 0 |
| 02                   | DW 31138                  | 114 |            | 111 |                          | 96  |  |              | 0 |
| 03                   | Lab Blank                 | 115 |            | 109 |                          | 97  |  |              | 0 |
| 04                   | CCV                       | 118 |            | 107 |                          | 102 |  |              | 0 |
| 05                   | LCS                       | 117 |            | 110 |                          | 97  |  |              | 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: 5041202.d  
 Instrument ID: msd5.i

SDG No: 0804095  
 Date Analyzed: 04/12/2008  
 Time Analyzed: 04:25 PM

|                  | Chlorobenzene-d5 |   |       | 1,4-Difluorobenzene |   |       | Bromochloromethane |   |       |
|------------------|------------------|---|-------|---------------------|---|-------|--------------------|---|-------|
|                  | Area             | # | RT    | Area                | # | RT    | Area               | # | RT    |
| 24-HOUR STD      | 1213132          |   | 15    | 1116148             |   | 9.94  | 235719             |   | 8.09  |
| UPPER LIMIT      | 1698385          |   | 15.33 | 1562607             |   | 10.27 | 330007             |   | 08.42 |
| LOWER LIMIT      | 727879           |   | 14.67 | 669689              |   | 09.61 | 141431             |   | 07.76 |
| CLIENT SAMPLE NO |                  |   |       |                     |   |       |                    |   |       |
| 01 UW AMS 5      | 832300           |   | 15    | 720611              |   | 9.94  | 159125             |   | 8.09  |
| 02 DW 31138      | 817860           |   | 15    | 707047              |   | 9.94  | 154554             |   | 8.09  |
| 03 Lab Blank     | 874488           |   | 15    | 785773              |   | 9.94  | 168119             |   | 8.09  |
| 04 CCV           | 1213132          |   | 15    | 1116148             |   | 9.94  | 235719             |   | 8.09  |
| 05 LCS           | 960733           |   | 15    | 850015              |   | 9.91  | 189562             |   | 8.06  |
| 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 : 09-APR-2008 11:52  
 End Cal Date : 10-APR-2008 12:52  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 Curve Type : Average

Calibration File Names:

- Level 1: /chem/msd5.i/5-09apr.b/5040905.d
- Level 2: /chem/msd5.i/5-09apr.b/5040913.d
- Level 3: /chem/msd5.i/5-10apr.b/5041006.d
- Level 4: /chem/msd5.i/5-09apr.b/5040908.d
- Level 5: /chem/msd5.i/5-10apr.b/5041007.d
- Level 6: /chem/msd5.i/5-09apr.b/5040910.d
- Level 7: /chem/msd5.i/5-10apr.b/5041008.d

| 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     |        |
| 1 Freon134a  | 0.94699 |         | 0.94059 |         | 1.04280 |         | 0.97679 | 5.861  |
| 2 Propane    |         |         |         |         |         |         |         |        |
| 3 Freon 152a | 0.74480 |         | 0.71301 |         | 0.83714 |         | 0.76498 | 8.429  |
| 4 Freon 22   | 0.27232 |         | 0.26015 |         | 0.29058 |         | 0.27435 | 5.584  |
| 5 Freon142b  | 2.44580 |         | 2.06403 |         | 2.55804 |         | 2.35596 | 10.992 |
| 6 Propylene  | 1.41570 |         | 1.19011 | 1.70029 | 1.66059 | 1.55434 | 1.50420 | 13.782 |
| 7 Isobutane  | 3.59740 |         | 3.82922 |         | 3.92758 |         | 3.78474 | 4.479  |

## Air Toxics Ltd.

## INITIAL CALIBRATION DATA

Start Cal Date : 09-APR-2008 11:52  
 End Cal Date : 10-APR-2008 12:52  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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 | RRF     | % RSD  |
|--------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|--------|
| 8 Dichlorodifluoromethane/Fr12 | 200.000<br>Level 7 | 2.20149            | 2.02290          | 2.77128           | 2.57554           | 2.42292            | 2.41282 | 11.069 |
| 9 Freon 114                    | 2.11165            | 1.87956            | 1.82787          | 2.52430           | 2.42251           | 2.28421            | 2.17502 | 13.117 |
| 10 Chloromethane               | 1.87294            | 1.70842            | 2.27167          | 2.14208           | 2.04109           | 2.00724            | 11.044  |        |
| 11 Butane                      | 0.38248            | 0.47877            | 0.48627          | 0.44584           | 0.41960           | 0.44259            | 9.698   |        |
| 12 1,3-Butadiene               | 1.47539            | 1.98031            | 1.20310          | 1.82729           | 1.71353           | 1.62575            | 1.63756 | 16.711 |
| 13 Vinyl Chloride              | 1.53640            | 1.44662            | 1.35204          | 1.85893           | 1.76870           | 1.67533            | 1.60634 | 12.135 |
| 14 Methanol                    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              | +++++   | +++++  |
| 15 Bromomethane                | 0.96542            | 0.49326            | 0.80755          | 1.03876           | 1.03712           | 1.01590            | 0.89300 | 23.989 |
| 16 Dichlorofluoromethane/Fr21  | 1.92972            | 1.64661            | 2.06170          | 1.87934           | 11.285            |                    |         |        |
| 17 Isopentane                  | 2.57755            | 2.25411            | 2.97854          | 2.92875           | 2.83149           | 2.71409            | 11.054  |        |

Air Toxics Ltd.

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 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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  |
|--------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 18 Pentane                     | 200.000<br>4.00235 | +++++              | 3.22649          | +++++             | 3.99590           | +++++              |         | 3.74158 | 11.923 |
| 19 Chloroethane                | 0.77746            | 0.49561            | 0.51899          | 0.96463           | 0.90021           | 0.84163            |         | 0.74975 | 26.398 |
| 20 Trichlorofluoromethane/Fr11 | 2.71066            | 2.35058            | 2.14963          | 3.22942           | 3.07060           | 2.93874            |         | 2.74161 | 15.383 |
| 21 Dimethyl Ether              | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 22 Freon123a                   | 0.98431            | 0.80448            | +++++            | +++++             | 1.01034           | +++++              |         | 0.93305 | 12.014 |
| 23 Freon 13                    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 24 Freon123                    | 0.17090            | 0.19754            | +++++            | +++++             | 0.19405           | +++++              |         | 0.18750 | 7.722  |
| 25 Acrolein                    | 0.55187            | 0.34766            | +++++            | +++++             | 0.51948           | +++++              |         | 0.47300 | 23.204 |
| 26 Ethanol                     | 0.62767            | 0.75926            | 0.85040          | 0.78602           | 0.69096           |                    |         | 0.74286 | 11.591 |
| 27 Isobutylene                 | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

## Air Toxics Ltd.

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 End Cal Date : 10-APR-2008 12:52  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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   |        |
|-----------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|---------|--------|
| 28 Acetaldehyde       | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++   |        |
| 29 Freon143a          | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++   |        |
| 30 Freon 113          | +++++              | 1.49989            | 1.47270          | 2.09981           | 1.98340           | 1.92747            |         | 1.79650 | 14.448  |        |
| 31 1,1-Dichloroethene | +++++              | 1.81604            | 1.86338          | 2.66386           | 2.58444           | 2.42116            |         | 2.25038 | 15.890  |        |
| 32 Acetone            | +++++              | +++++              | 0.72072          | 0.92303           | 0.92081           | 0.88621            |         | 0.81557 | 10.065  |        |
| 33 Methyl Acetate     | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++   |        |
| 34 Acetonitrile       | +++++              | +++++              | 1.10343          | +++++             | 1.70747           | +++++              |         | 0.88459 | 1.23183 | 34.599 |
| 35 Carbon Disulfide   | +++++              | 3.24619            | 2.77210          | 4.26582           | 4.08998           | 3.94884            |         | 3.65832 | 3.66354 | 15.416 |
| 36 2-Propanol         | +++++              | +++++              | 2.84422          | 4.12126           | 4.03578           | 3.85248            |         | 3.52640 | 3.67603 | 14.090 |
| 37 tert-Butyl-Alcohol | +++++              | +++++              | 2.22348          | 2.56164           | 2.32127           | 1.98179            |         | 1.44350 | 2.10634 | 20.171 |

## Air Toxics Ltd.

## INITIAL CALIBRATION DATA

Start Cal Date : 09-APR-2008 11:52  
 End Cal Date : 10-APR-2008 12:52  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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 3-Chloropropene          | +++++<br>0.63160   | +++++              | 0.60943          | 0.75945           | 0.72487           | 0.70067            |         | 0.68520 | 9.213  |
| 39 Acrylonitrile            | +++++<br>1.81214   | +++++              | 1.36745          | +++++             | 1.80509           | +++++              |         | 1.66156 | 15.331 |
| 40 2-Methyl-1-Butene        | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 41 Vinyl Bromide            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 42 1-Pentene                | +++++<br>1.95019   | +++++              | 1.85249          | +++++             | 2.03237           | +++++              |         | 1.94502 | 4.630  |
| 43 Methylene Chloride       | +++++<br>2.01352   | 1.87828            | 1.81960          | 2.42392           | 2.28142           | 2.18384            |         | 2.10010 | 11.271 |
| 44 Ethyl Ether              | +++++<br>0.73966   | +++++              | 0.61668          | +++++             | 0.77040           | +++++              |         | 0.70891 | 11.474 |
| 45 Ethanol-high             | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 46 MTBE                     | +++++<br>2.54815   | 1.75079            | 1.33863          | 2.76400           | 2.72003           | 2.78532            |         | 2.31782 | 26.685 |
| 47 trans-1,2-Dichloroethene | +++++<br>1.45705   | 1.65967            | 1.23646          | 1.70378           | 1.63467           | 1.57541            |         | 1.54451 | 11.224 |

Air Toxics Ltd.

INITIAL CALIBRATION DATA

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 End Cal Date : 10-APR-2008 12:52  
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 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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 |         |         |         |         |         |         |        |
| 48 Propanal               | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 49 Isopropyl ether        | +++++   | +++++   | 5.41840 | +++++   | 7.59641 | +++++   | 6.72652 | 17.145 |
| 50 Bromoethane            | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 51 Hexane                 | +++++   | 3.29517 | 2.53026 | 3.71894 | 3.47263 | 3.31026 | 3.22644 | 12.686 |
| 52 Chloroprene            | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 53 Iodomethane            | +++++   | +++++   | 2.33731 | +++++   | 3.38588 | +++++   | 2.87741 | 18.246 |
| 54 2,3-Dimethylbutane     | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 55 1,1-Dichloroethane     | +++++   | 2.39913 | 2.13466 | 3.27879 | 3.09258 | 2.96802 | 2.76848 | 15.698 |
| 56 Vinyl Acetate          | +++++   | +++++   | 0.29217 | 0.47404 | 0.44330 | 0.43597 | 0.40987 | 17.168 |
| 57 Ethyl-tert-butyl Ether | +++++   | +++++   | 2.56178 | +++++   | 4.56483 | +++++   | 3.76209 | 28.151 |

## Air Toxics Ltd.

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 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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  |
|---------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 58 1-Hexene               | 200.000<br>1.46407 | +++++              | 1.39666          | +++++             | 1.44911           | +++++              |         | 1.43661 | 2.464  |
| 59 1,3-Dichloropropane    | 0.63612            | +++++              | 0.51454          | +++++             | 0.70070           | +++++              |         | 0.61712 | 15.317 |
| 60 2,2-Dichloropropane    | 2.44068            | +++++              | 1.57015          | +++++             | 2.50203           | +++++              |         | 2.17095 | 24.008 |
| 61 Ethyl Acetate          | 0.38490            | +++++              | 0.22100          | +++++             | 0.39734           | +++++              |         | 0.33441 | 29.428 |
| 62 Methyl Acrylate        | 3.70222            | +++++              | 2.38240          | +++++             | 3.77090           | +++++              |         | 3.28518 | 23.822 |
| 63 2,4-Dimethylpentane    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 64 1-Propanol             | 0.41319            | +++++              | 0.40378          | +++++             | 0.42280           | +++++              |         | 0.41326 | 2.302  |
| 65 Butanal                | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 66 cis-1,2-Dichloroethene | 2.14264            | 2.13133            | 1.81583          | 2.52171           | 2.37121           | 2.29527            |         | 2.21300 | 11.003 |
| 67 2-Butanone             | 0.74765            | 0.54674            | 0.62064          | 0.87056           | 0.81847           | 0.80417            |         | 0.73470 | 17.088 |



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| 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 |         |         |         |         |         |         |        |
| 68 2-Butanol              | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 69 3-Methyl-1-Hexene      | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   | +++++  |
| 70 Tetrahydrofuran        | +++++   | 3.97410 | 2.60771 | 3.06962 | 2.95587 | 2.85914 |         |        |
|                           | 2.65560 |         |         |         |         |         | 3.02034 | 16.525 |
| 72 Chloroform             | 4.50377 | 2.27635 | 1.94005 | 2.99310 | 2.79942 | 2.69354 |         |        |
|                           | 2.52521 |         |         |         |         |         | 2.81878 | 29.104 |
| 73 1,1-Dichloropropene    | +++++   | +++++   | 0.71779 | +++++   | 0.93384 | +++++   |         |        |
|                           | 0.89733 |         |         |         |         |         | 0.84965 | 13.611 |
| 74 Cyclohexane            | +++++   | 2.42373 | 1.86647 | 2.42492 | 2.32646 | 2.25213 |         |        |
|                           | 2.07537 |         |         |         |         |         | 2.22818 | 9.861  |
| 75 1,1,1-Trichloroethane  | +++++   | 1.91144 | 1.84594 | 2.99671 | 2.79223 | 2.69468 |         |        |
|                           | 2.51628 |         |         |         |         |         | 2.45955 | 19.368 |
| 76 Isobutanol             | +++++   | +++++   | 0.36055 | +++++   | 0.47840 | +++++   |         |        |
|                           | 0.48514 |         |         |         |         |         | 0.44136 | 15.875 |
| 77 Carbon Tetrachloride   | +++++   | 2.10352 | 1.75047 | 2.65090 | 2.53007 | 2.51016 |         |        |
|                           | 2.34874 |         |         |         |         |         | 2.31564 | 14.475 |
| 78 tert-amyl-Methyl Ether | +++++   | +++++   | 2.93286 | +++++   | 4.00429 | +++++   |         |        |
|                           | 3.44994 |         |         |         |         |         | 3.46236 | 15.476 |

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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  |
|---------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|----------|--------|
| 79 2,3-Dimethylpentane    | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++    | +++++  |
| 80 2,2,4-Trimethylpentane | +++++              | 8.72039            | 8.13846          | 11.68863          | 11.18934          | 10.86967           |         | 10.07191 | 14.128 |
| 81 Benzene                | 1.90377            | 0.89829            | 0.90069          | 1.24813           | 1.17828           | 1.14019            |         | 1.19900  | 28.244 |
| 82 1-Methoxy-2-Propanol   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++    | +++++  |
| 83 2,3,4-Trimethylpentane | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++    | +++++  |
| 85 1,2-Dichloroethane     | +++++              | 0.32563            | 0.32194          | 0.49431           | 0.47454           | 0.46301            |         | 0.42097  | 18.264 |
| 86 2-Pentanone            | +++++              | +++++              | 1.16848          | +++++             | 1.53661           | +++++              |         | 1.42315  | 15.528 |
| 87 Pentanal               | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++    | +++++  |
| 88 Ethyl Acrylate         | +++++              | +++++              | 0.86046          | +++++             | 1.19491           | +++++              |         | 1.07953  | 17.582 |
| 89 Octane                 | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++    | +++++  |

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| 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 |         |         |         |         |         |         |        |
| 90 Heptane               | +++++   | 0.11660 | 0.11609 | 0.15202 | 0.14518 | 0.14382 |         |        |
|                          | 0.13451 |         |         |         |         |         | 0.13470 | 11.343 |
| 91 1-Butanol             | +++++   | +++++   | 0.37319 | +++++   | 0.38459 | +++++   |         |        |
|                          | 0.39072 |         |         |         |         |         | 0.38283 | 2.323  |
| 93 Trichloroethene       | +++++   | 0.37019 | 0.35547 | 0.50658 | 0.47477 | 0.46779 |         |        |
|                          | 0.45835 |         |         |         |         |         | 0.43886 | 13.958 |
| 94 Methyl Cyclohexane    | +++++   | 0.55337 | 0.58313 | 0.79687 | 0.74990 | 0.71980 |         |        |
|                          | 0.70292 |         |         |         |         |         | 0.68433 | 14.010 |
| 95 Dibromomethane        | +++++   | +++++   | 0.28855 | +++++   | 0.40193 | +++++   |         |        |
|                          | 0.41503 |         |         |         |         |         | 0.36851 | 18.874 |
| 96 Methyl Methacrylate   | +++++   | +++++   | 0.62162 | +++++   | 0.83438 | +++++   |         |        |
|                          | 0.84223 |         |         |         |         |         | 0.76608 | 16.338 |
| 97 1-Nitropropane        | +++++   | +++++   | +++++   | +++++   | +++++   | +++++   |         |        |
|                          | +++++   |         |         |         |         |         | +++++   | +++++  |
| 98 1,2-Dichloropropane   | +++++   | 0.41855 | 0.35283 | 0.50447 | 0.47980 | 0.46437 |         |        |
|                          | 0.45318 |         |         |         |         |         | 0.44553 | 12.038 |
| 99 1,4-Dioxane           | +++++   | +++++   | 0.23776 | 0.31846 | 0.30290 | 0.29758 |         |        |
|                          | 0.28998 |         |         |         |         |         | 0.28934 | 10.597 |
| 100 Bromodichloromethane | +++++   | 0.50646 | 0.48345 | 0.69108 | 0.66738 | 0.65469 |         |        |
|                          | 0.63941 |         |         |         |         |         | 0.60708 | 14.625 |



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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  |
|-------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 112 Alphamethylstyrene        | 0.90278            |                    | 0.67698          |                   | 0.90880           |                    |         | 0.82952 | 15.929 |
| 113 trans-1,3-Dichloropropene | 0.51992            | 0.37550            | 0.36918          | 0.55318           | 0.53267           | 0.51796            |         | 0.47807 | 17.336 |
| 114 1,1,2-Trichloroethane     | 0.43141            | 0.46906            | 0.34056          | 0.48319           | 0.44403           | 0.43746            |         | 0.43428 | 11.513 |
| 115 D-Limonene                | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 116 Tetrachloroethene         | 0.53621            | 0.37662            | 0.39923          | 0.58801           | 0.55684           | 0.54223            |         | 0.49986 | 17.770 |
| 117 Bis(2-chloroethyl) ether  | 0.87465            | +++++              | 0.65761          | +++++             | 0.81371           | +++++              |         | 0.78199 | 14.315 |
| 118 Butyl Acetate             | 0.55500            | +++++              | 0.47035          | +++++             | 0.58598           | +++++              |         | 0.53711 | 11.144 |
| 119 2-Hexanone                | 0.59258            | +++++              | 0.50154          | 0.64548           | 0.62087           | 0.60758            |         | 0.59361 | 9.268  |
| 120 Dibromochloromethane      | 0.61934            | 0.42443            | 0.42234          | 0.64117           | 0.63227           | 0.62359            |         | 0.56052 | 18.999 |
| 121 Undecane                  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |

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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  |
|-------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 122 1,2-Dibromoethane         | +++++              | 0.48915            | 0.50617          | 0.74404           | 0.71519           | 0.68942            |         | 0.63793 | 17.380 |
| 123 1,1,1,2-Tetrachloroethane | +++++              | +++++              | 0.32628          | +++++             | 0.45533           | +++++              |         | 0.41129 | 17.903 |
| 124 1-chloro-2-Bromopropane   | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 126 Chlorobenzene             | +++++              | 0.87617            | 0.80337          | 1.12691           | 1.05422           | 1.02901            |         | 0.98247 | 12.220 |
| 127 Nonane                    | +++++              | +++++              | 1.08439          | +++++             | 1.41043           | +++++              |         | 1.29556 | 14.134 |
| 128 Ethyl Benzene             | +++++              | 0.43430            | 0.45384          | 0.63839           | 0.60139           | 0.58001            |         | 0.54734 | 15.204 |
| 129 Dodecane                  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 130 m,p-Xylene                | +++++              | 0.57091            | 0.56817          | 0.80149           | 0.76385           | 0.74234            |         | 0.69388 | 14.449 |
| 131 2-Heptanone               | +++++              | +++++              | 0.64030          | +++++             | 0.79721           | +++++              |         | 0.75055 | 12.771 |
| 132 o-Xylene                  | +++++              | 0.52337            | 0.55896          | 0.73911           | 0.70401           | 0.67449            |         | 0.64375 | 13.127 |

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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  |
|-------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 133 Styrene                   | 1.63816<br>1.09914 | 0.79503            | 0.86112          | 1.21574           | 1.18224           | 1.12256            |         | 1.13057 | 24.325 |
| 134 Bromoform                 | +++++<br>0.60180   | 0.37357            | 0.38950          | 0.59471           | 0.59832           | 0.60601            |         | 0.52732 | 21.448 |
| 135 Cyclohexanone             | +++++<br>0.64604   | +++++              | 0.60344          | +++++             | 0.63826           | +++++              |         | 0.62925 | 3.604  |
| 136 Cumene                    | 2.57718<br>1.76515 | 1.45242            | 1.51302          | 2.11006           | 2.01220           | 1.98400            |         | 1.91629 | 20.084 |
| 137 Bromobenzene              | +++++<br>0.60745   | +++++              | 0.42848          | +++++             | 0.61119           | +++++              |         | 0.54904 | 19.020 |
| 139 1,2,3-Trichloropropane    | +++++<br>0.29423   | +++++              | 0.21912          | +++++             | 0.29887           | +++++              |         | 0.27074 | 16.535 |
| 140 2-Chlorotoluene           | +++++<br>0.50561   | +++++              | 0.37848          | +++++             | 0.49751           | +++++              |         | 0.46053 | 15.455 |
| 141 1,1,2,2-Tetrachloroethane | +++++<br>0.94075   | 0.78871            | 0.79830          | 1.04166           | 0.99929           | 0.98266            |         | 0.92523 | 11.573 |
| 142 Propylbenzene             | +++++<br>2.15890   | 1.61128            | 1.78428          | 2.43494           | 2.32697           | 2.30012            |         | 2.10275 | 15.711 |
| 143 4-Chlorotoluene           | +++++<br>0.49660   | +++++              | 0.39907          | +++++             | 0.49176           | +++++              |         | 0.46247 | 11.885 |

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|----------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 144 4-Ethyltoluene         | 200.000<br>1.96798 | 1.59411            | 1.55122          | 2.17328           | 2.12787           | 2.09094            |         | 1.91757 | 14.397 |
| 145 Aniline                | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 146 Diisobutyl Ketone      | 1.61818            | +++++              | 1.65167          | +++++             | 1.63809           | +++++              |         | 1.63598 | 1.030  |
| 147 1,3,5-Trimethylbenzene | 2.14626<br>1.60060 | 1.32083            | 1.41885          | 1.91174           | 1.85862           | 1.81691            |         | 1.72483 | 16.923 |
| 148 Isooctyl Alcohol       | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 149 tert-Butylbenzene      | 2.06825            | +++++              | 1.47328          | +++++             | 1.89267           | +++++              |         | 1.81140 | 16.876 |
| 150 Pentachloroethane      | 0.42235            | +++++              | 0.25194          | +++++             | 0.39179           | +++++              |         | 0.35536 | 25.569 |
| 151 sec-Butylbenzene       | 2.14696            | +++++              | 1.65898          | +++++             | 2.43814           | +++++              |         | 2.08136 | 18.916 |
| 152 1,2,4-Trimethylbenzene | 1.91610<br>1.47760 | 1.20022            | 1.19328          | 1.62863           | 1.57453           | 1.54462            |         | 1.50500 | 16.755 |
| 153 p-Cymene               | 0.51405            | +++++              | 0.38785          | +++++             | 0.48058           | +++++              |         | 0.46083 | 14.187 |



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|---------------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|---------|---------|--------|
| 154 1,2,3-Trimethylbenzene      | +++++<br>0.75913   | +++++              | 0.55096          | +++++             | 0.72167           | +++++              |         | 0.67725 | 16.385 |
| 155 1,3-Dichlorobenzene         | +++++<br>0.98421   | 0.87653            | 0.87038          | 1.06964           | 1.04116           | 1.01508            |         | 0.97617 | 8.651  |
| 156 1,4-Dichlorobenzene         | +++++<br>1.20290   | 1.07800            | 0.89012          | 1.28773           | 1.27956           | 1.26558            |         | 1.16732 | 13.427 |
| 157 alpha-Chlorotoluene         | +++++<br>1.44326   | 1.04199            | 1.20122          | 1.75101           | 1.79838           | 1.83608            |         | 1.51199 | 22.260 |
| 158 Butylbenzene                | +++++<br>0.41022   | +++++              | 0.32529          | +++++             | 0.39820           | +++++              |         | 0.37790 | 12.162 |
| 159 1,2-Dichlorobenzene         | +++++<br>0.96910   | 0.91012            | 0.95191          | 1.07154           | 1.02985           | 1.00693            |         | 0.98991 | 5.854  |
| 160 Hexachloroethane            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 161 1,2-Dibromo-3-Chloropropane | +++++<br>0.45196   | +++++              | 0.31507          | +++++             | 0.41106           | +++++              |         | 0.39270 | 17.893 |
| 162 1,3,5-Trichlorobenzene      | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |         | +++++   | +++++  |
| 163 1,2,4-Trichlorobenzene      | +++++<br>0.66990   | +++++              | 0.64463          | 0.63138           | 0.64316           | 0.67994            |         | 0.65380 | 3.099  |

## Air Toxics Ltd.

## INITIAL CALIBRATION DATA

Start Cal Date : 09-APR-2008 11:52  
 End Cal Date : 10-APR-2008 12:52  
 Quant Method : ISTD  
 Origin : Disabled  
 Target Version : 3.50  
 Integrator : HP RTE  
 Method file : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Cal Date : 10-Apr-2008 14:08 sscott  
 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  |
|-----------------------------|--------------------|--------------------|------------------|-------------------|-------------------|--------------------|--------------------|---------|--------|
| 164 Hexachlorobutadiene     | +++++              | +++++              | 0.43968          | 0.47710           | 0.45902           | 0.46841            |                    |         |        |
|                             | 0.46293            |                    |                  |                   |                   |                    |                    | 0.46143 | 3.017  |
| 165 Naphthalene             | +++++              | +++++              | 2.15317          | 1.99276           | 2.29115           | 2.34775            |                    |         |        |
|                             | 1.47818            |                    |                  |                   |                   |                    |                    | 2.05260 | 17.011 |
| 166 1,2,3-Trichlorobenzene  | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    |         |        |
|                             | +++++              |                    |                  |                   |                   |                    |                    | +++++   | +++++  |
| 167 Isooctyl Acrylate       | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    |         |        |
|                             | +++++              |                    |                  |                   |                   |                    |                    | +++++   | +++++  |
| 192 Cyclopentene            | +++++              | +++++              | +++++            | +++++             | +++++             | +++++              |                    |         |        |
|                             | +++++              |                    |                  |                   |                   |                    |                    | +++++   | +++++  |
| 193 Cyclopentane            | +++++              | +++++              | 0.78692          | +++++             | 0.93727           | +++++              |                    |         |        |
|                             | 0.93043            |                    |                  |                   |                   |                    |                    | 0.88487 | 9.594  |
| \$ 84 1,2-Dichloroethane-d4 | +++++              | 1.29735            | 1.27525          | 1.30404           | 1.35960           | 1.39579            |                    |         |        |
|                             | 1.38978            |                    |                  |                   |                   |                    |                    | 1.33697 | 3.846  |
| \$ 107 Toluene-d8           | +++++              | 1.06981            | 1.02373          | 1.05021           | 1.04120           | 1.04705            |                    |         |        |
|                             | 1.05203            |                    |                  |                   |                   |                    |                    | 1.04734 | 1.436  |
| \$ 138 Bromofluorobenzene   | +++++              | 0.57974            | 0.59595          | 0.60504           | 0.59750           | 0.61364            |                    |         |        |
|                             | 0.61432            |                    |                  |                   |                   |                    |                    | 0.60103 | 2.161  |

## Calibration History

Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Start Cal Date: 09-APR-2008 11:52  
 End Cal Date : 10-APR-2008 12:52

### Initial Calibration

```

+-----+-----+-----+
| Injection Date | Sublist | Calibration File |
+-----+-----+-----+
| Cal Level: 1 , Cal Amount: 0.20000 |
+=====+
| 09-APR-2008 11:52 | AFCEElow | /chem/msd5.i/5-09apr.b/5040905.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 2 , Cal Amount: 0.50000 |
+=====+
| 09-APR-2008 16:02 | AT08Low | /chem/msd5.i/5-09apr.b/5040913.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 3 , Cal Amount: 2.00000 |
+=====+
| 10-APR-2008 11:52 | sp19a | /chem/msd5.i/5-10apr.b/5041006.d |
| 10-APR-2008 08:53 | sp35a | /chem/msd5.i/5-10apr.b/5041002.d |
| 09-APR-2008 12:48 | AT08mdl | /chem/msd5.i/5-09apr.b/5040907.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 4 , Cal Amount: 25.00000 |
+=====+
| 09-APR-2008 13:15 | AT08mdl | /chem/msd5.i/5-09apr.b/5040908.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 5 , Cal Amount: 50.00000 |
+=====+
| 10-APR-2008 12:20 | sp19a | /chem/msd5.i/5-10apr.b/5041007.d |
| 10-APR-2008 09:21 | sp35a | /chem/msd5.i/5-10apr.b/5041003.d |
| 09-APR-2008 13:43 | AT08mdl | /chem/msd5.i/5-09apr.b/5040909.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 6 , Cal Amount: 100.00000 |
+=====+
| 09-APR-2008 14:11 | AT08mdl | /chem/msd5.i/5-09apr.b/5040910.d |
+-----+-----+-----+
  
```

```

+-----+-----+-----+
| Cal Level: 7 , Cal Amount: 200.00000 |
+=====+
| 10-APR-2008 12:52 | sp19a | /chem/msd5.i/5-10apr.b/5041008.d |
| 10-APR-2008 09:53 | sp35a | /chem/msd5.i/5-10apr.b/5041004.d |
| 09-APR-2008 14:44 | AT08mdl | /chem/msd5.i/5-09apr.b/5040911.d |
+-----+-----+-----+
  
```

Continuing Calibration

Ccal Level Mode: GLOBAL LEVEL 5

|                                     |          |                                   |
|-------------------------------------|----------|-----------------------------------|
| Ccal Level: 5 , Ccal Amount: 50.000 |          |                                   |
| 10-APR-2008 12:20                   | sp19a    | /chem/msd5.i/5-10apr.b/5041007.d  |
| Ccal Level: 5 , Ccal Amount: 50.000 |          |                                   |
| 10-APR-2008 12:20                   | sp19aCCV | /chem/msd5.i/5-10apr.b/5041007a.d |
| Ccal Level: 5 , Ccal Amount: 50.000 |          |                                   |
| 10-APR-2008 09:21                   | sp35aCCV | /chem/msd5.i/5-10apr.b/5041003a.d |
| Ccal Level: 5 , Ccal Amount: 50.000 |          |                                   |
| 10-APR-2008 09:21                   | sp35a    | /chem/msd5.i/5-10apr.b/5041003.d  |

| m/z | ION ABUNDANCE CRITERIA                              | % REL. ABUNDANCE     |
|-----|---|----------------------|
| 50  | 15.0 - 40.0% of mass 95                             | 23.21                |
| 75  | 30.0 - 60.0% of mass 95                             | 49.45                |
| 95  | Base peak, 100.00% relative abundance               | 100.00               |
| 96  | 5.0 - 9.0% of mass 95                               | 6.47                 |
| 173 | Less than 2.0% of mass 174                          | (0.67) <sup>1</sup>  |
| 174 | Greater than 50.0% of mass 95                       | 75.17                |
| 175 | 5.0 - 9.0% of mass 174                              | (7.21) <sup>1</sup>  |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 | (96.63) <sup>1</sup> |
| 177 | 5.0 - 9.0% of mass 176                              | (6.21) <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:

$$\frac{162.4096}{16.0011} = \frac{96.63}{6.21}$$

NOAH Cart #: N/A

File #: N/A

BFB Injection Date: 4/19/08      Logbook #: 1637  
 BFB Injection Time: 08:00  
 BFB File ID: 5040902  
 Tekmar Purge Flow: 15.8 mL/min  
 Vacuum: 6.49 mmHg Torr  
 IS/Std #: 1541-103      Exp. Date: 7/4/08  
 BCM: 245525  
 1,4-DFB: 111535  
 CB-D5: 112190  
 Verified CCV IS vs ICAL mid-point (-40%ID) 91

Calculation Check:

$$\text{ppbv of compound} = \frac{\text{Area}_{\text{sample}}}{\text{Area}_{\text{std}}} \times \text{Conc}_{\text{std}} \times \text{RRF} = \frac{(333815)}{(245525)} \times (25) \times (1.33697) = 25.423$$

Reported Result: 25.423

File ID: 5040909  
 Compound: 1,2-DCA-d4  
 Initials: CR


| % | File #  | Sample / Client Name | Can #   | Pressure | Amt Loaded | DF   | Date Analyzed | Time Analyzed | Review Init. | Comments |
|---|---------|----------------------|---------|----------|------------|------|---------------|---------------|--------------|----------|
| X | 5040901 | BFB Time Check       | 142-191 | 50psi    | 20µl       | 100  | 4/16/08       | 08:49         | 91           |          |
| / | 02      | BFB Time Check       | 142-191 | 50psi    | 20µl       | 100  |               | 09:06         | 94           |          |
| X | 03      | System Blank         | 13095   | Humid    | 200µl      | 100  |               | 08:56         | 93           |          |
| / | 04      | System Blank         | 13095   | Humid    | 200µl      | 100  |               | 10:31         | 91           |          |
| / | 5040905 | IS/Std Level 1       | 154-326 | 0.2 psi  | 0.2 µl     | 1000 |               | 11:52         | 95           | T142409a |
| X | 06      |                      |         | 0.5 psi  | 0.5 µl     |      |               | 12:00         | 95           |          |
| / | 07      |                      |         | 2.5 psi  | 2.5 µl     |      |               | 12:18         | 95           |          |
| / | 08      |                      |         | 25 psi   | 25 µl      |      |               | 13:55         | 93           |          |
| / | 09      |                      |         | 50 psi   | 50 µl      |      |               | 13:15         | 95           |          |

Signature: [Signature]

Date: 4/19/08

|    |   |                    |                           |                  |                  |                  |                |                    |      |         |
|----|---|--------------------|---------------------------|------------------|------------------|------------------|----------------|--------------------|------|---------|
| 10 | ✓ | 5040910            | ICAL level 4              | 1576-326         | 100ppm           | 10000            | 100            | 4/10/07            | run  | 45      |
| 11 | ✓ | ↓ 11               | ↓ 7                       | ↓                | 200ppm           | 20000            | 100            | ↓                  | 1444 | 48      |
| 12 | ✓ | 5040912            | Systeme Blende            | 12341            | Humid            | 20000            | 100            | ↓                  | 1534 | CF      |
| 13 | ✓ | ↓ 13               | ICAL level 2              | 1576-326         | 0.5ppm           | 0.5ml            | 100            | ↓                  | 1602 | CF      |
| 14 | ✓ | <del>5040914</del> | <del>Systeme Blende</del> | <del>12341</del> | <del>Humid</del> | <del>20000</del> | <del>100</del> | <del>4/10/07</del> |      |         |
| 15 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 16 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 17 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 18 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 19 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 20 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 21 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 22 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 23 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 24 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 25 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 26 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 27 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 28 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 29 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 30 |   |                    |                           |                  |                  |                  |                |                    |      |         |
| 31 |   |                    |                           |                  |                  |                  |                |                    |      | 4/10/07 |
| 32 |   |                    |                           |                  |                  |                  |                |                    |      |         |

Comments:

  
Signature

4/10/07  
Date

| m/z | ION ABUNDANCE CRITERIA                              | % REL. ABUNDANCE       |
|-----|---|------------------------|
| 50  | 15.0 - 40.0% of mass 95                             | 21.42                  |
| 75  | 30.0 - 60.0% of mass 95                             | 40.69                  |
| 95  | Base peak, 100.00% relative abundance               | 100.00                 |
| 96  | 5.0 - 9.0% of mass 95                               | 6.58                   |
| 173 | Less than 2.0% of mass 174                          | ( 0.54 ) <sup>1</sup>  |
| 174 | Greater than 50.0% of mass 95                       | 71.84                  |
| 175 | 5.0 - 9.0% of mass 174                              | ( 2.13 ) <sup>1</sup>  |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 | ( 92.48 ) <sup>1</sup> |
| 177 | 5.0 - 9.0% of mass 176                              | ( 6.5 ) <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:  $\frac{176}{174} = 1.011494$

NOAH Cart #: 11

File #: 8041819

BFB Injection Date: 4/10/08  
 BFB Injection Time: 0821  
 BFB File ID: 5041001  
 Tekmar Purge Flow: 12.8 mL/min  
 Vacuum: 6.4 | v 157e Torr  
 IS/S Std #: 1541 - 153      Exp. Date: 2/4/09  
 BCM: 225889  
 1,4-DFB: 1002938  
 CB-d5: 1095220  
 Verified CCV IS vs ICAL mid-point (-40% D)  $\frac{176}{174}$

Calculation Check:  
 ppbv of compound =  $\frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{std}}} \times \text{Conc.}_{\text{std}} \times \text{RRF}$   
 =  $\frac{1002938}{1002938} \times (25.000) \times (1.04734)$   
 = 25.5748  
 Reported Result: 25.575

File ID: 8041010  
 Compound: Toluene  
 Initials:

| % | File #  | Sample / Client Name | Can #   | Pressure | Amt Loaded | DF  | Date Analyzed | Time Analyzed | Review Init. | Comments                    |
|---|---------|----------------------|---------|----------|------------|-----|---------------|---------------|--------------|-----------------------------|
| ✓ | 5041001 | SR3 Toluene Check    | 1310191 | 50 psig  | 250ul      | 100 | 4/10/08       | 0821          | 948          |                             |
| ✓ | 02      | 1570341 200ppb       | SR3 Std | 200ppb   | 200ul      | 1   |               | 0833          | 945          | Phi 41001<br>5034100 5035.5 |
| ✓ | 03      |                      |         | 200ppb   | 200ul      | 1   |               | 0821          | 945          |                             |
| ✓ | 04      |                      |         | 200ppb   | 200ul      | 1   |               | 0833          | 945          |                             |
| ✓ | 5041005 | System Blank         | 131075  | Atmos    | 200ul      | 100 |               | 1024          | 945          |                             |
| ✓ | 06      | 1570319 200ppb       | 45542   | 200ppb   | 200ul      | 1   |               | 1152          | 945          | At species - sp 18.6        |
| ✓ | 07      |                      |         | 200ppb   | 200ul      | 1   |               | 1220          | 945          |                             |
| ✓ | 08      |                      |         | 200ppb   | 200ul      | 1   |               | 1152          | 945          |                             |
| ✓ | 09      | System Blank         | 131073  | Atmos    | 200ul      | 100 |               | 1351          | 945          |                             |

Signature

Date

Revision 08/2007  
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MSD-5

|    |   |         |                 |                |                     |        |      |         |      |     |                   |
|----|---|---------|-----------------|----------------|---------------------|--------|------|---------|------|-----|-------------------|
| 10 | ✓ | 5041010 | 1576-326 200gpm | COU-1          | 50gpm               | 50ml   | 100  | 4/10/08 | 1419 | 945 |                   |
| 11 | ✓ | 11      | 1576-335 200gpm | LS-1<br>12911  | 50gpm               | 50ml   | 100  | ↓       | 1416 | 945 | ICAL L-3          |
| 12 | ✓ | 12      | Lo's Blank      | 12911<br>12911 | Hum-D               | 200ml  | 100  | ↓       | 1534 | 94  |                   |
| 13 | ✓ | 5041015 | Lo's Blank      | 12911          | Hum-D               | 200ml  | 100  | 4/10/08 | 1627 | 14R |                   |
| 14 | ✓ | 14      | 0804168A - 01A  | 918            | 5.0% - 56i          | 200ml  | 161  | ↓       | 1720 | 14R |                   |
| 15 | ✓ | 15      | -02A            | 35151          | 3.5% <sup>1/2</sup> |        | 152  |         | 1752 | 14R |                   |
| 16 | ✓ | 16      | -03A            | 33875          | 7.0% <sup>1/2</sup> |        | 175  |         | 1825 | 14R |                   |
| 17 | ✓ | 17      | -04A            | 31147          | 7.0% <sup>1/2</sup> |        | 175  |         | 1857 | 14R |                   |
| 18 | ✓ | 18      | ↓               | 35787          | 2.5% <sup>1/2</sup> |        | 146  |         | 1930 | 14R |                   |
| 19 | ✓ | 19      | 0804057A - 01A  | 1385D          | 9.0% <sup>1/2</sup> | 100ml  | 382  |         | 1958 | 14R | Diluted for MOPKX |
| 20 | ✓ | 20      | 0804030 - 02A   | 5205           | 0.2% <sup>1/2</sup> | 20ml   | 660  |         | 2026 | 14R | Diluted for NT    |
| 21 | ✓ | 21      | ↓               | 42333          | 4.0% <sup>1/2</sup> | 13.5ml | 2310 | ↓       | 2053 | 14R | Diluted for NT    |
| 22 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 23 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 24 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 25 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 26 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 27 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 28 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 29 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 30 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 31 |   |         |                 |                |                     |        |      |         |      |     |                   |
| 32 |   |         |                 |                |                     |        |      |         |      |     |                   |

Comments: Flange Controller SN# AA92031P

Actual: 95.0ml/min

NIST Flasks SN# 885-7214

Normal: 22.16ml/min 93 4/10/08

4-11-08 CS

Signature

4/10/08  
Date



### Initial Calibration Narrative

A seven point initial calibration was analyzed on MSD-5 on 4/09/2008. As noted on the accompanying analytical run log, the following point, ICAL Level 2, was re-analyzed due to:

- a. unacceptable peak resolution and/or integration of Chloroethane and MtBE

The following compounds used either 0.2 or 0.25 ppbv as the lowest calibration concentration:

Chloroform, Benzene, Cumene, Styrene, 1,2,4-Trimethylbenzene and 1,3,5-Trimethylbenzene.

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

| Bromochloromethane               |
|----------------------------------|
| <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                 |
| 3-Chloropropene                  |
| Methylene Chloride               |
| Methyl tert-butyl ether          |
| trans-1,2-Dichloroethene         |
| Hexane                           |
| 1,1-Dichloroethane               |
| 2-Butanone (Methyl Ethyl Ketone) |
| cis-1,2-Dichloroethene           |
| Tetrahydrofuran                  |
| Chloroform                       |
| 1,1,1-Trichloroethane            |
| Cyclohexane                      |
| Carbon Tetrachloride             |
| 2,2,4-Trimethylpentane           |
| <b>Surrogates:</b>               |
| 1,2-Dichloroethane-d4            |

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

| Chlorobenzene-d5          |
|---------------------------|
| <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: 10-Apr-2008 14:54

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041011.d  
 Lab Smp Id: LCS Client Smp ID: LCS  
 Inj Date : 10-APR-2008 14:46  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 50mL #1576-335  
 Misc Info : 200ppbv (50ppbv)  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 14:51 sscott Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS                                |        |          |       |                  |         |                      |        |       |
|---|--------|----------|-------|------------------|---------|----------------------|--------|-------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE ( PPBV) |         | TARGET RANGE         | RATIO  |       |
|   |        |          |       | ON-COL           | FINAL   |                      |        |       |
| ==  | =====  | =====    | ===== | =====            | =====   | =====                | =====  | ===== |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |                  |         |                      |        |       |
| 8.059   | 8.059  | (1.000)  | 130   | 220185           | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 8.059   | 8.059  | (1.000)  | 128   | 173114           |         | 45.23- 105.23        | 78.62  |       |
| 8.059   | 8.059  | (1.000)  | 49    | 458262           |         | 169.46- 229.46       | 208.13 |       |
| -----   |        |          |       |                  |         |                      |        |       |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |                  |         |                      |        |       |
| 9.912   | 9.912  | (1.000)  | 114   | 998910           | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 9.912   | 9.912  | (1.000)  | 88    | 152261           |         | 0.00- 44.71          | 15.24  |       |
| -----   |        |          |       |                  |         |                      |        |       |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |                  |         |                      |        |       |
| 14.999  | 14.999 | (1.000)  | 117   | 1083826          | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 14.999  | 14.999 | (1.000)  | 82    | 552578           |         | 0.00- 30.00          | 50.98  |       |
| -----   |        |          |       |                  |         |                      |        |       |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |                  |         |                      |        |       |
| 9.137   | 9.137  | (1.134)  | 65    | 307059           | 26.0767 | 26.077 80.00- 120.00 | 100.00 |       |
| 9.137   | 9.137  | (1.134)  | 67    | 190761           |         | 28.07- 88.07         | 62.13  |       |
| -----   |        |          |       |                  |         |                      |        |       |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |                  |         |                      |        |       |
| 12.704  | 12.704 | (1.282)  | 98    | 1087309          | 25.9824 | 25.982 80.00- 120.00 | 100.00 |       |
| 12.704  | 12.704 | (1.282)  | 70    | 100082           |         | 0.00- 39.37          | 9.20   |       |

CONCENTRATIONS

ON-COL FINAL

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

\$ 107 Toluene-d8 (continued)

|        |        |         |     |        |  |  |               |       |
|--------|--------|---------|-----|--------|--|--|---------------|-------|
| 12.704 | 12.704 | (1.282) | 100 | 768083 |  |  | 40.62- 100.62 | 70.64 |
|--------|--------|---------|-----|--------|--|--|---------------|-------|

\$ 138 Bromofluorobenzene

CAS #: 460-00-4

|        |        |         |     |        |         |        |                |        |
|--------|--------|---------|-----|--------|---------|--------|----------------|--------|
| 16.575 | 16.575 | (1.105) | 174 | 648083 | 24.8722 | 24.872 | 80.00- 120.00  | 100.00 |
| 16.575 | 16.575 | (1.105) | 95  | 911756 |         |        | 106.95- 166.95 | 140.69 |
| 16.575 | 16.575 | (1.105) | 176 | 616497 |         |        | 69.03- 129.03  | 95.13  |

6 Propylene

CAS #: 115-07-1

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 2.253 | 2.253 | (0.280) | 41 | 742835 | 56.0709 | 56.071 | 80.00- 120.00 | 100.00 |
| 2.253 | 2.253 | (0.280) | 42 | 514888 |         |        | 0.00- 30.00   | 69.31  |
| 2.253 | 2.253 | (0.280) | 39 | 557323 |         |        | 0.00- 30.00   | 75.03  |

8 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

|       |       |         |    |         |         |        |               |        |
|-------|-------|---------|----|---------|---------|--------|---------------|--------|
| 2.308 | 2.336 | (0.286) | 85 | 1177366 | 55.4036 | 55.404 | 80.00- 120.00 | 100.00 |
| 2.308 | 2.336 | (0.286) | 87 | 373944  |         |        | 0.00- 30.00   | 31.76  |

9 Freon 114

CAS #: 76-14-2

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 2.446 | 2.446 | (0.304) | 135 | 1083205 | 56.5457 | 56.546 | 80.00- 120.00 | 100.00 |
| 2.446 | 2.446 | (0.304) | 137 | 349435  |         |        | 2.69- 62.69   | 32.26  |

10 Chloromethane

CAS #: 74-87-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 2.584 | 2.584 | (0.321) | 50 | 921035 | 52.0990 | 52.099 | 80.00- 120.00 | 100.00 |
| 2.584 | 2.584 | (0.321) | 52 | 265370 |         |        | 0.00- 30.00   | 28.81  |

13 Vinyl Chloride

CAS #: 75-01-4

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 2.750 | 2.778 | (0.341) | 62 | 743485 | 52.5518 | 52.552 | 80.00- 120.00 | 100.00 |
| 2.778 | 2.778 | (0.345) | 64 | 222295 |         |        | 0.00- 30.00   | 29.90  |

12 1,3-Butadiene

CAS #: 106-99-0

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 2.750 | 2.750 | (0.341) | 54 | 708500 | 49.1241 | 49.124 | 80.00- 120.00 | 100.00 |
| 2.750 | 2.750 | (0.341) | 39 | 930526 |         |        | 0.00- 30.00   | 131.34 |

15 Bromomethane

CAS #: 74-83-9

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 3.276 | 3.276 | (0.406) | 94 | 434730 | 55.2739 | 55.274 | 80.00- 120.00 | 100.00 |
| 3.276 | 3.276 | (0.406) | 96 | 409613 |         |        | 65.23- 125.23 | 94.22  |

19 Chloroethane

CAS #: 75-00-3

|       |       |         |    |        |         |        |               |        |
|-------|-------|---------|----|--------|---------|--------|---------------|--------|
| 3.386 | 3.414 | (0.420) | 64 | 362469 | 54.8913 | 54.891 | 80.00- 120.00 | 100.00 |
| 3.386 | 3.414 | (0.420) | 49 | 131508 |         |        | 0.00- 30.00   | 36.28  |
| 3.386 | 3.414 | (0.420) | 66 | 112583 |         |        | 0.00- 30.00   | 31.06  |

20 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

|       |       |         |     |         |         |        |               |        |
|-------|-------|---------|-----|---------|---------|--------|---------------|--------|
| 3.718 | 3.718 | (0.461) | 101 | 1366934 | 56.6102 | 56.610 | 80.00- 120.00 | 100.00 |
| 3.718 | 3.718 | (0.461) | 103 | 882789  |         |        | 34.12- 94.12  | 64.58  |

CONCENTRATIONS

ON-COL FINAL

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

26 Ethanol CAS #: 64-17-5  
 4.077 4.078 (0.506) 45 352013 53.8026 53.803 80.00- 120.00 100.00  
 4.077 4.078 (0.506) 43 68886 0.00- 30.00 19.57  
 4.077 4.078 (0.506) 46 142529 0.00- 30.00 40.49

30 Freon 113 CAS #: 76-13-1  
 4.520 4.520 (0.561) 151 1008075 63.7070 63.707 80.00- 120.00 100.00  
 4.520 4.520 (0.561) 153 629878 32.02- 92.02 62.48  
 4.520 4.520 (0.561) 101 1250005 95.42- 155.42 124.00

31 1,1-Dichloroethene CAS #: 75-35-4  
 4.575 4.575 (0.568) 61 1266517 63.4453 63.445 80.00- 120.00 100.00  
 4.575 4.575 (0.568) 96 669212 20.93- 80.93 52.84  
 4.575 4.575 (0.568) 98 423037 4.15- 64.15 33.40

32 Acetone CAS #: 67-64-1  
 4.713 4.713 (0.585) 58 408529 54.3613 54.361 80.00- 120.00 100.00  
 4.713 4.713 (0.585) 43 1530552 0.00- 30.00 374.65

36 2-Propanol CAS #: 67-63-0  
 4.907 4.935 (0.609) 45 1793279 55.3887 55.389 80.00- 120.00 100.00  
 4.907 4.935 (0.609) 43 433584 0.00- 30.00 24.18  
 4.935 4.935 (0.612) 59 54720 0.00- 30.00 3.05

35 Carbon Disulfide CAS #: 75-15-0  
 4.907 4.907 (0.609) 76 1771549 54.9041 54.904 80.00- 120.00 100.00

38 3-Chloropropene CAS #: 107-05-1  
 5.183 5.183 (0.643) 76 327918 54.3373 54.337 80.00- 120.00 100.00  
 5.183 5.183 (0.643) 41 1381631 0.00- 30.00 421.33

43 Methylene Chloride CAS #: 75-09-2  
 5.432 5.460 (0.674) 49 1110168 60.0207 60.021 80.00- 120.00 100.00  
 5.460 5.460 (0.677) 84 573071 22.02- 82.02 51.62  
 5.432 5.460 (0.674) 51 333619 0.00- 30.00 30.05

46 MTBE CAS #: 1634-04-4  
 5.764 5.764 (0.715) 73 1296143 63.4930 63.493 80.00- 120.00 100.00  
 5.764 5.764 (0.715) 57 388143 0.10- 60.10 29.95  
 5.764 5.764 (0.715) 41 466098 0.00- 30.00 35.96

47 trans-1,2-Dichloroethene CAS #: 156-60-5  
 5.819 5.819 (0.722) 96 725286 53.3178 53.318 80.00- 120.00 100.00  
 5.819 5.819 (0.722) 61 1167496 133.03- 193.03 160.97  
 5.819 5.819 (0.722) 98 456326 0.00- 30.00 62.92

CONCENTRATIONS

ON-COL FINAL

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

51 Hexane CAS #: 110-54-3  
 6.151 6.151 (0.763) 57 1537596 54.1092 54.109 80.00- 120.00 100.00  
 6.151 6.151 (0.763) 43 1170672 0.00- 30.00 76.14  
 6.151 6.179 (0.763) 86 216404 0.00- 30.00 14.07

56 Vinyl Acetate CAS #: 108-05-4  
 6.649 6.677 (0.825) 86 191113 52.9415 52.942 80.00- 120.00 100.00  
 6.649 6.649 (0.825) 43 2916611 0.00- 30.00 1526.12  
 6.649 6.649 (0.825) 42 232704 0.00- 30.00 121.76

55 1,1-Dichloroethane CAS #: 75-34-3  
 6.594 6.594 (0.818) 63 1460673 59.9052 59.905 80.00- 120.00 100.00  
 6.594 6.594 (0.818) 65 434040 0.00- 59.37 29.72

67 2-Butanone CAS #: 78-93-3  
 7.672 7.672 (0.952) 72 361837 55.9182 55.918 80.00- 120.00 100.00  
 7.644 7.672 (0.949) 43 2271914 573.84- 633.84 627.88  
 7.644 7.672 (0.949) 57 151644 0.00- 30.00 41.91

66 cis-1,2-Dichloroethene CAS #: 156-59-2  
 7.617 7.617 (0.945) 61 1139922 58.4852 58.485 80.00- 120.00 100.00  
 7.617 7.617 (0.945) 96 769457 37.43- 97.43 67.50  
 7.617 7.617 (0.945) 98 503330 13.12- 73.12 44.15

70 Tetrahydrofuran CAS #: 109-99-9  
 8.031 8.031 (0.997) 42 1357365 51.0261 51.026 80.00- 120.00 100.00  
 8.031 8.031 (0.997) 71 342128 0.00- 54.34 25.21  
 8.031 8.059 (0.997) 72 370220 0.00- 30.00 27.27

72 Chloroform CAS #: 67-66-3  
 8.197 8.197 (1.017) 83 1377590 55.4896 55.490 80.00- 120.00 100.00  
 8.197 8.197 (1.017) 85 880112 34.20- 94.20 63.89

75 1,1,1-Trichloroethane CAS #: 71-55-6  
 8.446 8.446 (1.048) 97 1385368 63.9532 63.953 80.00- 120.00 100.00  
 8.446 8.446 (1.048) 99 894746 34.34- 94.34 64.59

74 Cyclohexane CAS #: 110-82-7  
 8.418 8.418 (1.045) 84 1057595 53.8916 53.892 80.00- 120.00 100.00  
 8.418 8.418 (1.045) 56 1693855 131.39- 191.39 160.16  
 8.418 8.418 (1.045) 41 1045137 68.82- 128.82 98.82

77 Carbon Tetrachloride CAS #: 56-23-5  
 8.667 8.667 (1.075) 119 1241242 60.8607 60.861 80.00- 120.00 100.00  
 8.667 8.667 (1.075) 117 1284065 74.06- 134.06 103.45

| CONCENTRATIONS |                         |          |       |          |                |                   |              |        |           |  |
|----------------|-------------------------|----------|-------|----------|----------------|-------------------|--------------|--------|-----------|--|
| RT             | EXP RT                  | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV)     | TARGET RANGE | RATIO  |           |  |
| ==             | =====                   | =====    | ===== | =====    | =====          | =====             | =====        | =====  |           |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 80             | 2,2,4-Trimethylpentane  |          |       |          |                | CAS #: 540-84-1   |              |        |           |  |
| 9.082          | 9.082                   | (1.127)  | 57    | 5157406  | 58.1395        | 58.140            | 80.00-       | 120.00 | 100.00    |  |
| 9.082          | 9.082                   | (1.127)  | 56    | 1698739  |                |                   | 0.00-        | 30.00  | 32.94     |  |
| 9.082          | 9.082                   | (1.127)  | 41    | 1511991  |                |                   | 0.00-        | 30.00  | 29.32     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 81             | Benzene                 |          |       |          |                | CAS #: 71-43-2    |              |        |           |  |
| 9.082          | 9.082                   | (0.916)  | 78    | 2461801  | 51.3863        | 51.386            | 80.00-       | 120.00 | 100.00    |  |
| 9.082          | 9.082                   | (0.916)  | 77    | 585317   |                |                   | 0.00-        | 30.00  | 23.78     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 85             | 1,2-Dichloroethane      |          |       |          |                | CAS #: 107-06-2   |              |        |           |  |
| 9.276          | 9.276                   | (0.936)  | 62    | 1093722  | 65.0229        | 65.023            | 80.00-       | 120.00 | 100.00(R) |  |
| 9.276          | 9.276                   | (0.936)  | 64    | 337664   |                |                   | 0.00-        | 30.00  | 30.87     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 90             | Heptane                 |          |       |          |                | CAS #: 142-82-5   |              |        |           |  |
| 9.497          | 9.497                   | (0.958)  | 100   | 313994   | 58.3382        | 58.338            | 80.00-       | 120.00 | 100.00    |  |
| 9.469          | 9.469                   | (0.955)  | 43    | 2316641  |                |                   | 0.00-        | 30.00  | 737.80    |  |
| 9.469          | 9.497                   | (0.955)  | 71    | 896513   |                |                   | 0.00-        | 30.00  | 285.52    |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 93             | Trichloroethene         |          |       |          |                | CAS #: 79-01-6    |              |        |           |  |
| 10.326         | 10.326                  | (1.042)  | 95    | 1044872  | 59.5872        | 59.587            | 80.00-       | 120.00 | 100.00    |  |
| 10.326         | 10.326                  | (1.042)  | 130   | 1056624  |                |                   | 70.12-       | 130.12 | 101.12    |  |
| 10.326         | 10.326                  | (1.042)  | 97    | 673150   |                |                   | 32.96-       | 92.96  | 64.42     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 98             | 1,2-Dichloropropane     |          |       |          |                | CAS #: 78-87-5    |              |        |           |  |
| 10.852         | 10.852                  | (1.095)  | 63    | 1017345  | 57.1480        | 57.148            | 80.00-       | 120.00 | 100.00    |  |
| 10.852         | 10.852                  | (1.095)  | 62    | 730392   |                |                   | 39.37-       | 99.37  | 71.79     |  |
| 10.824         | 10.852                  | (1.092)  | 41    | 711824   |                |                   | 39.85-       | 99.85  | 69.97     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 99             | 1,4-Dioxane             |          |       |          |                | CAS #: 123-91-1   |              |        |           |  |
| 11.073         | 11.073                  | (1.117)  | 88    | 641447   | 55.4844        | 55.484            | 80.00-       | 120.00 | 100.00    |  |
| 11.073         | 11.073                  | (1.117)  | 58    | 536027   |                |                   | 55.04-       | 115.04 | 83.57     |  |
| 11.073         | 11.073                  | (1.117)  | 57    | 168260   |                |                   | 0.00-        | 30.00  | 26.23     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 100            | Bromodichloromethane    |          |       |          |                | CAS #: 75-27-4    |              |        |           |  |
| 11.405         | 11.405                  | (1.151)  | 83    | 1495292  | 61.6447        | 61.645            | 80.00-       | 120.00 | 100.00    |  |
| 11.405         | 11.405                  | (1.151)  | 85    | 969320   |                |                   | 34.60-       | 94.60  | 64.82     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 103            | cis-1,3-Dichloropropene |          |       |          |                | CAS #: 10061-01-5 |              |        |           |  |
| 12.317         | 12.317                  | (1.243)  | 75    | 1270392  | 60.6680        | 60.668            | 80.00-       | 120.00 | 100.00    |  |
| 12.317         | 12.317                  | (1.243)  | 77    | 417012   |                |                   | 1.98-        | 61.98  | 32.83     |  |
| 12.317         | 12.317                  | (1.243)  | 39    | 918070   |                |                   | 39.33-       | 99.33  | 72.27     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |
| 106            | 4-Methyl-2-pentanone    |          |       |          |                | CAS #: 108-10-1   |              |        |           |  |
| 12.594         | 12.594                  | (1.271)  | 58    | 1022957  | 60.8445        | 60.844            | 80.00-       | 120.00 | 100.00    |  |
| 12.594         | 12.594                  | (1.271)  | 43    | 2908225  |                |                   | 0.00-        | 30.00  | 284.30    |  |
| 12.594         | 12.594                  | (1.271)  | 85    | 363617   |                |                   | 0.00-        | 30.00  | 35.55     |  |
| -----          |                         |          |       |          |                |                   |              |        |           |  |

| CONCENTRATIONS                |        |          |       |          |                |               |              |        |        |  |
|-------------------------------|--------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                            | =====  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| 108 Toluene                   |        |          |       |          |                | CAS #:        | 108-88-3     |        |        |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 3257038  | 63.3890        | 63.389        | 80.00-       | 120.00 | 100.00 |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 1902356  |                |               | 28.82-       | 88.82  | 58.41  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                | CAS #:        | 10061-02-6   |        |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 1241666  | 59.9096        | 59.910        | 80.00-       | 120.00 | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 390959   |                |               | 2.41-        | 62.41  | 31.49  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 883014   |                |               | 40.25-       | 100.25 | 71.12  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                | CAS #:        | 79-00-5      |        |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 1052066  | 55.8791        | 55.879        | 80.00-       | 120.00 | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 672318   |                |               | 31.86-       | 91.86  | 63.90  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 889219   |                |               | 54.18-       | 114.18 | 84.52  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                | CAS #:        | 127-18-4     |        |        |  |
| 13.700                        | 13.700 | (0.913)  | 166   | 1301910  | 60.0783        | 60.078        | 80.00-       | 120.00 | 100.00 |  |
| 13.700                        | 13.700 | (0.913)  | 129   | 994415   |                |               | 46.10-       | 106.10 | 76.38  |  |
| 13.700                        | 13.700 | (0.913)  | 131   | 955915   |                |               | 42.23-       | 102.23 | 73.42  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 119 2-Hexanone                |        |          |       |          |                | CAS #:        | 591-78-6     |        |        |  |
| 14.004                        | 14.004 | (0.934)  | 58    | 1397191  | 54.2918        | 54.292        | 80.00-       | 120.00 | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 2850475  |                |               | 171.37-      | 231.37 | 204.01 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 251378   |                |               | 0.00-        | 30.00  | 17.99  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                | CAS #:        | 124-48-1     |        |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 1487792  | 61.2249        | 61.225        | 80.00-       | 120.00 | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 1157627  |                |               | 0.00-        | 30.00  | 77.81  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                | CAS #:        | 106-93-4     |        |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 1589813  | 57.4845        | 57.484        | 80.00-       | 120.00 | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 1499629  |                |               | 63.67-       | 123.67 | 94.33  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 126 Chlorobenzene             |        |          |       |          |                | CAS #:        | 108-90-7     |        |        |  |
| 15.027                        | 15.027 | (1.002)  | 112   | 2430219  | 57.0564        | 57.056        | 80.00-       | 120.00 | 100.00 |  |
| 15.027                        | 15.054 | (1.002)  | 114   | 786681   |                |               | 1.98-        | 61.98  | 32.37  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 1445601  |                |               | 28.38-       | 88.38  | 59.48  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                | CAS #:        | 100-41-4     |        |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 1381293  | 58.2118        | 58.212        | 80.00-       | 120.00 | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 4151577  |                |               | 0.00-        | 30.00  | 300.56 |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 130 m,p-Xylene                |        |          |       |          |                | CAS #:        | 108-38-3     |        |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 1724029  | 57.3112        | 57.311        | 80.00-       | 120.00 | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 3288547  |                |               | 0.00-        | 30.00  | 190.75 |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 132 o-Xylene                  |        |          |       |          |                | CAS #:        | 95-47-6      |        |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 1616609  | 57.9254        | 57.925        | 80.00-       | 120.00 | 100.00 |  |



| CONCENTRATIONS                               |        |          |       |          |               |              |                |        |       |
|--|--------|----------|-------|----------|---------------|--------------|----------------|--------|-------|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL (PPEV) | FINAL (PPBV) | TARGET RANGE   | RATIO  |       |
| ==   | =====  | =====    | ===== | =====    | =====         | =====        | =====          | =====  | ===== |
| 132 o-Xylene (continued)                     |        |          |       |          |               |              |                |        |       |
| 15.856                                       | 15.856 | (1.057)  | 91    | 3274058  |               |              | 171.11- 231.11 | 202.53 |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |               |              |                |        |       |
| 15.911                                       | 15.911 | (1.061)  | 104   | 2587991  | 52.8014       | 52.801       | 80.00- 120.00  | 100.00 |       |
| 15.911                                       | 15.911 | (1.061)  | 78    | 1168855  |               |              | 14.88- 74.88   | 45.16  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |               |              |                |        |       |
| 16.160                                       | 16.160 | (1.077)  | 173   | 1440115  | 62.9945       | 62.994       | 80.00- 120.00  | 100.00 |       |
| 16.160                                       | 16.160 | (1.077)  | 171   | 741948   |               |              | 22.48- 82.48   | 51.52  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |               |              |                |        |       |
| 16.796                                       | 16.796 | (1.120)  | 83    | 2341346  | 58.3709       | 58.371       | 80.00- 120.00  | 100.00 |       |
| 16.796                                       | 16.796 | (1.120)  | 85    | 1494549  |               |              | 34.84- 94.84   | 63.83  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |               |              |                |        |       |
| 16.962                                       | 16.962 | (1.131)  | 105   | 4940441  | 59.4287       | 59.429       | 80.00- 120.00  | 100.00 |       |
| 16.962                                       | 16.962 | (1.131)  | 120   | 1487926  |               |              | 0.34- 60.34    | 30.12  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |               |              |                |        |       |
| 17.045                                       | 17.045 | (1.136)  | 105   | 4294384  | 57.4295       | 57.430       | 80.00- 120.00  | 100.00 |       |
| 17.045                                       | 17.045 | (1.136)  | 120   | 2122427  |               |              | 0.00- 30.00    | 49.42  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |               |              |                |        |       |
| 17.460                                       | 17.460 | (1.164)  | 105   | 3485389  | 53.4190       | 53.419       | 80.00- 120.00  | 100.00 |       |
| 17.460                                       | 17.460 | (1.164)  | 120   | 1722562  |               |              | 18.39- 78.39   | 49.42  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |               |              |                |        |       |
| 17.764                                       | 17.764 | (1.184)  | 146   | 2303851  | 54.4391       | 54.439       | 80.00- 120.00  | 100.00 |       |
| 17.764                                       | 17.764 | (1.184)  | 148   | 1472820  |               |              | 0.00- 30.00    | 63.93  |       |
| 17.764                                       | 17.764 | (1.184)  | 111   | 881511   |               |              | 0.00- 30.00    | 38.26  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |               |              |                |        |       |
| 17.847                                       | 17.847 | (1.190)  | 146   | 2865450  | 56.6220       | 56.622       | 80.00- 120.00  | 100.00 |       |
| 17.847                                       | 17.847 | (1.190)  | 148   | 1794522  |               |              | 0.00- 30.00    | 62.63  |       |
| 17.847                                       | 17.847 | (1.190)  | 111   | 1100063  |               |              | 0.00- 30.00    | 38.39  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |               |              |                |        |       |
| 17.985                                       | 17.985 | (1.199)  | 91    | 3957579  | 60.3755       | 60.375       | 80.00- 120.00  | 100.00 |       |
| 17.985                                       | 17.985 | (1.199)  | 126   | 857545   |               |              | 0.00- 30.00    | 21.67  |       |
| -----  |        |          |       |          |               |              |                |        |       |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |               |              |                |        |       |
| 18.206                                       | 18.206 | (1.214)  | 146   | 2225599  | 51.8599       | 51.860       | 80.00- 120.00  | 100.00 |       |
| 18.206                                       | 18.206 | (1.214)  | 148   | 1424117  |               |              | 33.70- 93.70   | 63.99  |       |
| 18.206                                       | 18.206 | (1.214)  | 111   | 847788   |               |              | 8.67- 68.67    | 38.09  |       |
| -----  |        |          |       |          |               |              |                |        |       |

| CONCENTRATIONS |                        |          |       |          |                |               |              |        |        |  |
|----------------|------------------------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT             | EXP RT                 | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==             | =====                  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 163            | 1,2,4-Trichlorobenzene |          |       |          |                | CAS #:        | 120-82-1     |        |        |  |
| 19.506         | 19.506                 | (1.300)  | 180   | 1364016  | 48.1231        | 48.123        | 80.00-       | 120.00 | 100.00 |  |
| 19.506         | 19.506                 | (1.300)  | 182   | 1294726  |                |               | 65.21-       | 125.21 | 94.92  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 164            | Hexachlorobutadiene    |          |       |          |                | CAS #:        | 87-68-3      |        |        |  |
| 19.589         | 19.589                 | (1.306)  | 225   | 937489   | 46.8645        | 46.864        | 80.00-       | 120.00 | 100.00 |  |
| 19.589         | 19.589                 | (1.306)  | 223   | 580295   |                |               | 33.49-       | 93.49  | 61.90  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 142            | Propylbenzene          |          |       |          |                | CAS #:        | 103-65-1     |        |        |  |
| 16.824         | 16.824                 | (1.122)  | 91    | 5500673  | 60.3405        | 60.340        | 80.00-       | 120.00 | 100.00 |  |
| 16.824         | 16.824                 | (1.122)  | 120   | 1324524  |                |               | 0.00-        | 30.00  | 24.08  |  |
| 16.824         | 16.824                 | (1.122)  | 105   | 204023   |                |               | 0.00-        | 30.00  | 3.71   |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 136            | Cumene                 |          |       |          |                | CAS #:        | 98-82-8      |        |        |  |
| 16.326         | 16.326                 | (1.088)  | 105   | 4837434  | 58.2283        | 58.228        | 80.00-       | 120.00 | 100.00 |  |
| 16.326         | 16.326                 | (1.088)  | 120   | 1336042  |                |               | 0.00-        | 30.00  | 27.62  |  |
| 16.326         | 16.326                 | (1.088)  | 51    | 564871   |                |               | 0.00-        | 30.00  | 11.68  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 165            | Naphthalene            |          |       |          |                | CAS #:        | 91-20-3      |        |        |  |
| 19.672         | 19.672                 | (1.312)  | 128   | 4880870  | 54.8496        | 54.850        | 80.00-       | 120.00 | 100.00 |  |
| 19.672         | 19.672                 | (1.312)  | 127   | 609237   |                |               | 0.00-        | 30.00  | 12.48  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 37             | tert-Butyl-Alcohol     |          |       |          |                | CAS #:        | 75-65-0      |        |        |  |
| 5.571          | 5.571                  | (0.691)  | 59    | 1023980  | 55.1971        | 55.197        | 80.00-       | 120.00 | 100.00 |  |
| 5.571          | 5.571                  | (0.691)  | 41    | 281443   |                |               | 0.00-        | 30.00  | 27.49  |  |
| 5.571          | 5.571                  | (0.691)  | 57    | 104337   |                |               | 0.00-        | 30.00  | 10.19  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 11             | Butane                 |          |       |          |                | CAS #:        | 106-97-8     |        |        |  |
| 2.667          | 2.667                  | (0.331)  | 58    | 187923   | 48.2091        | 48.209        | 80.00-       | 120.00 | 100.00 |  |
| 2.667          | 2.667                  | (0.331)  | 43    | 1618417  |                |               | 0.00-        | 30.00  | 861.21 |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 17             | Isopentane             |          |       |          |                | CAS #:        | 78-78-4      |        |        |  |
| 3.414          | 3.414                  | (0.424)  | 43    | 1214462  | 50.8057        | 50.806        | 80.00-       | 120.00 | 100.00 |  |
| 3.414          | 3.414                  | (0.424)  | 57    | 698447   |                |               | 0.00-        | 30.00  | 57.51  |  |
| 3.414          | 3.414                  | (0.424)  | 72    | 64773    |                |               | 0.00-        | 30.00  | 5.33   |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 94             | Methyl Cyclohexane     |          |       |          |                | CAS #:        | 108-87-2     |        |        |  |
| 10.575         | 10.547                 | (1.067)  | 83    | 1574288  | 57.5745        | 57.574        | 80.00-       | 120.00 | 100.00 |  |
| 10.575         | 10.575                 | (1.067)  | 98    | 783114   |                |               | 0.00-        | 30.00  | 49.74  |  |
| 10.547         | 10.547                 | (1.064)  | 55    | 1657416  |                |               | 0.00-        | 30.00  | 105.28 |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Report Date: 10-Apr-2008 14:54

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041011.d

Calibration Time: 14:19

Lab Smp Id: LCS

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv (50ppbv)

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 225889   | 135533     | 316245  | 220185  | -2.53 |
| 92 1,4-Difluorobenze | 1007938  | 604763     | 1411113 | 998910  | -0.90 |
| 125 Chlorobenzene-d5 | 1095270  | 657162     | 1533378 | 1083826 | -1.04 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

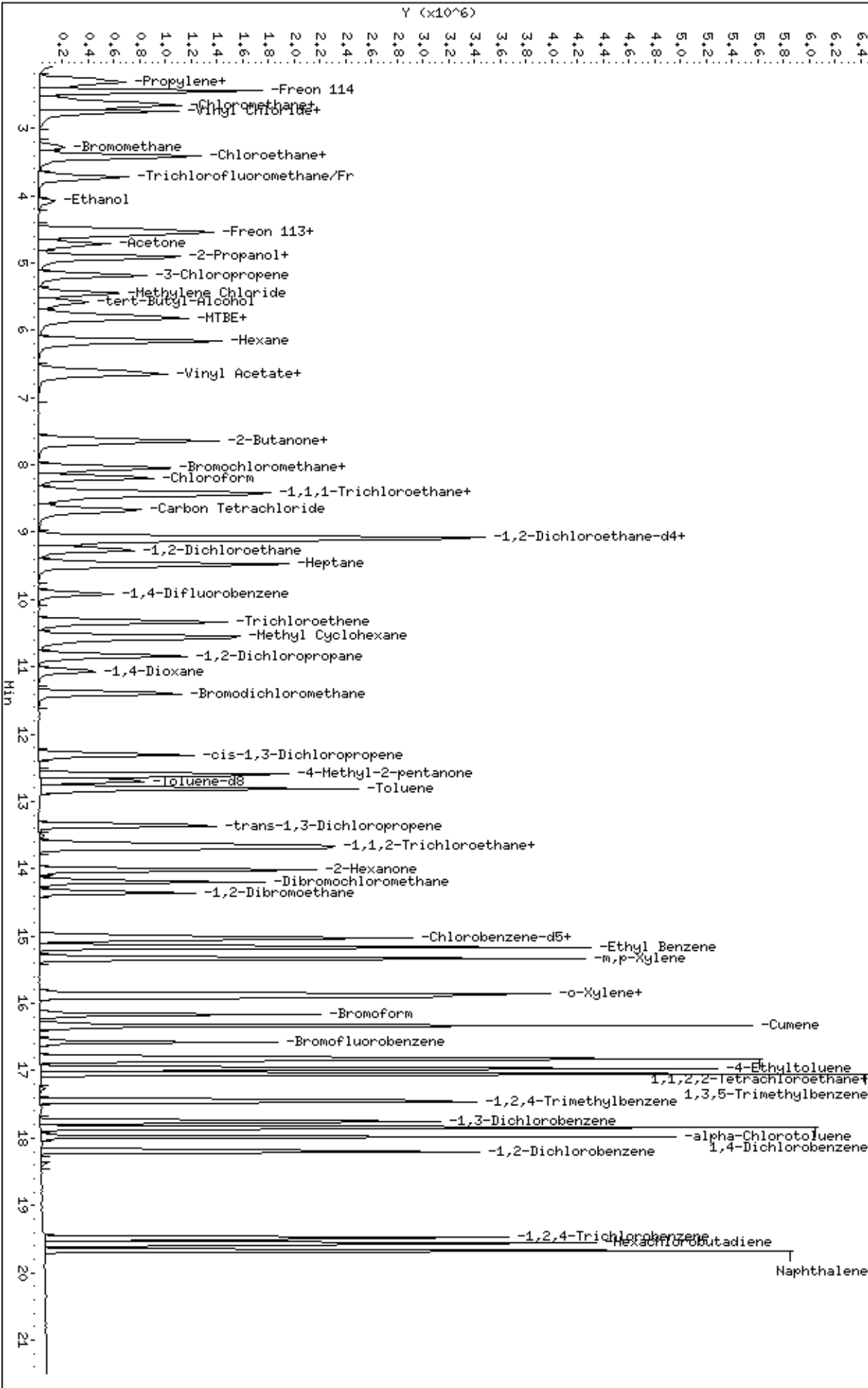
RECOVERY REPORT

Client Name: Client SDG: 5-10apr  
 Sample Matrix: GAS Fraction: VOA  
 Lab Smp Id: LCS Client Smp ID: LCS  
 Level: LOW Operator: ct  
 Data Type: MS DATA SampleType: LCS  
 SpikeList File: 2926Spectra.spk Quant Type: ISTD  
 Sublist File: AT08.sub  
 Method File: /chem/msd5.i/5-10apr.b/t14q409a.m  
 Misc Info: 200ppbv (50ppbv)

| SPIKE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|-----------------------|-----------------------|---------------------------|----------------|--------|
| 8 Dichlorodifluorome  | 50.000                | 55.404                    | 110.81         | 70-130 |
| 9 Freon 114           | 50.000                | 56.546                    | 113.09         | 70-130 |
| 10 Chloromethane      | 50.000                | 52.099                    | 104.20         | 70-130 |
| 13 Vinyl Chloride     | 50.000                | 52.552                    | 105.10         | 70-130 |
| 12 1,3-Butadiene      | 50.000                | 49.124                    | 98.25          | 60-140 |
| 15 Bromomethane       | 50.000                | 55.274                    | 110.55         | 70-130 |
| 19 Chloroethane       | 50.000                | 54.891                    | 109.78         | 70-130 |
| 20 Trichlorofluoromet | 50.000                | 56.610                    | 113.22         | 70-130 |
| 26 Ethanol            | 50.000                | 53.803                    | 107.61         | 60-140 |
| 30 Freon 113          | 50.000                | 63.707                    | 127.41         | 70-130 |
| 31 1,1-Dichloroethene | 50.000                | 63.445                    | 126.89         | 70-130 |
| 35 Carbon Disulfide   | 50.000                | 54.904                    | 109.81         | 60-140 |
| 32 Acetone            | 50.000                | 54.361                    | 108.72         | 60-140 |
| 36 2-Propanol         | 50.000                | 55.389                    | 110.78         | 60-140 |
| 38 3-Chloropropene    | 50.000                | 54.337                    | 108.67         | 60-140 |
| 43 Methylene Chloride | 50.000                | 60.021                    | 120.04         | 70-130 |
| 46 MTBE               | 50.000                | 63.493                    | 126.99         | 60-140 |
| 47 trans-1,2-Dichloro | 50.000                | 53.318                    | 106.64         | 60-140 |
| 51 Hexane             | 50.000                | 54.109                    | 108.22         | 60-140 |
| 55 1,1-Dichloroethane | 50.000                | 59.905                    | 119.81         | 70-130 |
| 66 cis-1,2-Dichloroet | 50.000                | 58.485                    | 116.97         | 70-130 |
| 67 2-Butanone         | 50.000                | 55.918                    | 111.84         | 60-140 |
| 70 Tetrahydrofuran    | 50.000                | 51.026                    | 102.05         | 60-140 |
| 72 Chloroform         | 50.000                | 55.490                    | 110.98         | 70-130 |
| 74 Cyclohexane        | 50.000                | 53.892                    | 107.78         | 60-140 |
| 75 1,1,1-Trichloroeth | 50.000                | 63.953                    | 127.91         | 70-130 |
| 56 Vinyl Acetate      | 50.000                | 52.942                    | 105.88         | 60-140 |
| 77 Carbon Tetrachlori | 50.000                | 60.861                    | 121.72         | 70-130 |
| 80 2,2,4-Trimethylpen | 50.000                | 58.140                    | 116.28         | 60-140 |
| 81 Benzene            | 50.000                | 51.386                    | 102.77         | 70-130 |
| 85 1,2-Dichloroethane | 50.000                | 65.023                    | 130.05*        | 70-130 |
| 90 Heptane            | 50.000                | 58.338                    | 116.68         | 60-140 |
| 93 Trichloroethene    | 50.000                | 59.587                    | 119.17         | 70-130 |

| SPIKE COMPOUND         | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|------------------------|-----------------------|---------------------------|----------------|--------|
| 98 1,2-Dichloropropan  | 50.000                | 57.148                    | 114.30         | 70-130 |
| 99 1,4-Dioxane         | 50.000                | 55.484                    | 110.97         | 60-140 |
| 100 Bromodichlorometha | 50.000                | 61.645                    | 123.29         | 60-140 |
| 103 cis-1,3-Dichloropr | 50.000                | 60.668                    | 121.34         | 70-130 |
| 106 4-Methyl-2-pentano | 50.000                | 60.844                    | 121.69         | 60-140 |
| 108 Toluene            | 50.000                | 63.389                    | 126.78         | 70-130 |
| 113 trans-1,3-Dichloro | 50.000                | 59.910                    | 119.82         | 70-130 |
| 114 1,1,2-Trichloroeth | 50.000                | 55.879                    | 111.76         | 70-130 |
| 116 Tetrachloroethene  | 50.000                | 60.078                    | 120.16         | 70-130 |
| 119 2-Hexanone         | 50.000                | 54.292                    | 108.58         | 60-140 |
| 120 Dibromochlorometha | 50.000                | 61.225                    | 122.45         | 60-140 |
| 122 1,2-Dibromoethane  | 50.000                | 57.484                    | 114.97         | 70-130 |
| 126 Chlorobenzene      | 50.000                | 57.056                    | 114.11         | 70-130 |
| 128 Ethyl Benzene      | 50.000                | 58.212                    | 116.42         | 70-130 |
| 130 m,p-Xylene         | 50.000                | 57.311                    | 114.62         | 70-130 |
| 132 o-Xylene           | 50.000                | 57.925                    | 115.85         | 70-130 |
| 133 Styrene            | 50.000                | 52.801                    | 105.60         | 70-130 |
| 134 Bromoform          | 50.000                | 62.994                    | 125.99         | 60-140 |
| 136 Cumene             | 50.000                | 58.228                    | 116.46         | 60-140 |
| 141 1,1,2,2-Tetrachlor | 50.000                | 58.371                    | 116.74         | 70-130 |
| 142 Propylbenzene      | 50.000                | 60.340                    | 120.68         | 60-140 |
| 144 4-Ethyltoluene     | 50.000                | 59.429                    | 118.86         | 60-140 |
| 147 1,3,5-Trimethylben | 50.000                | 57.430                    | 114.86         | 70-130 |
| 152 1,2,4-Trimethylben | 50.000                | 53.419                    | 106.84         | 70-130 |
| 155 1,3-Dichlorobenzen | 50.000                | 54.439                    | 108.88         | 70-130 |
| 156 1,4-Dichlorobenzen | 50.000                | 56.622                    | 113.24         | 70-130 |
| 157 alpha-Chlorotoluen | 50.000                | 60.375                    | 120.75         | 70-130 |
| 159 1,2-Dichlorobenzen | 50.000                | 51.860                    | 103.72         | 70-130 |
| 163 1,2,4-Trichloroben | 50.000                | 48.123                    | 96.25          | 70-130 |
| 164 Hexachlorobutadien | 50.000                | 46.864                    | 93.73          | 70-130 |
| 6 Propylene            | 50.000                | 56.071                    | 112.14         | 70-130 |
| 165 Naphthalene        | 50.000                | 54.850                    | 109.70         | 60-140 |
| 11 Butane              | 50.000                | 48.209                    | 96.42          | 70-130 |
| 17 Isopentane          | 50.000                | 50.806                    | 101.61         | 70-130 |
| 94 Methyl Cyclohexane  | 50.000                | 57.574                    | 115.15         | 70-130 |

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 84 1,2-Dichloroethane  | 25.000                | 26.077                    | 104.31         | 70-130 |
| \$ 107 Toluene-d8         | 25.000                | 25.982                    | 103.93         | 70-130 |
| \$ 138 Bromofluorobenzene | 25.000                | 24.872                    | 99.49          | 70-130 |



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040905.d  
 Lab Smp Id: ICAL Client Smp ID: Level 1  
 Inj Date : 09-APR-2008 11:52  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 0.2mL #1576-326  
 Misc Info : 200ppbv -> 0.2ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 11:52 Cal File: 5040905.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 | ( PPBV) | CAL-AMT | ON-COL | TARGET RANGE   | RATIO     |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====     |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |                |           |
| 8.087   | 8.087  | (1.000)  | 130   | 271578   | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 8.087   | 8.087  | (1.000)  | 128   | 208919   |         |         |        | 48.93- 108.93  | 76.93     |
| 8.059   | 8.059  | (1.000)  | 49    | 533329   |         |         |        | 174.90- 234.90 | 196.38    |
| -----   |        |          |       |          |         |         |        |                |           |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |                |           |
| 9.939   | 9.939  | (1.000)  | 114   | 1168471  | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 9.912   | 9.912  | (1.000)  | 88    | 179998   |         |         |        | 0.00- 45.06    | 15.40     |
| -----   |        |          |       |          |         |         |        |                |           |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |                |           |
| 14.999  | 14.999 | (1.000)  | 117   | 1182349  | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 14.999  | 14.999 | (1.000)  | 82    | 599808   |         |         |        | 0.00- 30.00    | 50.73     |
| -----   |        |          |       |          |         |         |        |                |           |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |                |           |
| 9.137   | 9.137  | (1.130)  | 65    | 331240   | 25.0000 |         |        | 70.00- 130.00  | 100.00(a) |
| 9.137   | 9.137  | (1.130)  | 67    | 185512   |         |         |        | 0.00- 30.00    | 56.01     |
| -----   |        |          |       |          |         |         |        |                |           |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |                |           |
| 12.704  | 12.704 | (1.278)  | 98    | 1201809  | 25.0000 |         |        | 70.00- 130.00  | 100.00(a) |
| 12.704  | 12.704 | (1.278)  | 70    | 117370   |         |         |        | 0.00- 30.00    | 9.77      |

| AMOUNTS                                    |        |          |       |          |                 |                |                |           |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| \$ 107 Toluene-d8 (continued)              |        |          |       |          |                 |                |                |           |  |
| 12.704                                     | 12.704 | (1.278)  | 100   | 799003   |                 |                | 0.00- 30.00    | 66.48     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| \$ 138 Bromofluorobenzene CAS #: 460-00-4  |        |          |       |          |                 |                |                |           |  |
| 16.575                                     | 16.575 | (1.105)  | 174   | 681943   | 25.0000         |                | 70.00- 130.00  | 100.00(a) |  |
| 16.575                                     | 16.575 | (1.105)  | 95    | 967586   |                 |                | 105.46- 165.46 | 141.89    |  |
| 16.575                                     | 16.575 | (1.105)  | 176   | 644453   |                 |                | 67.29- 127.29  | 94.50     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 12 1,3-Butadiene CAS #: 106-99-0           |        |          |       |          |                 |                |                |           |  |
| 2.778                                      | 2.778  | (0.344)  | 54    | 9389     | 0.20000         |                | 70.00- 130.00  | 100.00(a) |  |
| 2.778                                      | 2.778  | (0.344)  | 39    | 24145    |                 |                | 0.00- 30.00    | 257.16    |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 72 Chloroform CAS #: 67-66-3               |        |          |       |          |                 |                |                |           |  |
| 8.197                                      | 8.197  | (1.014)  | 83    | 9785     | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 8.197                                      | 8.197  | (1.014)  | 85    | 6248     |                 |                | 35.62- 95.62   | 63.85     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 81 Benzene CAS #: 71-43-2                  |        |          |       |          |                 |                |                |           |  |
| 9.082                                      | 9.082  | (0.914)  | 78    | 17796    | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 9.082                                      | 9.082  | (0.914)  | 77    | 4404     |                 |                | 0.00- 30.00    | 24.75     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 133 Styrene CAS #: 100-42-5                |        |          |       |          |                 |                |                |           |  |
| 15.912                                     | 15.912 | (1.061)  | 104   | 15495    | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 15.912                                     | 15.912 | (1.061)  | 78    | 7885     |                 |                | 12.91- 72.91   | 50.89     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 136 Cumene CAS #: 98-82-8                  |        |          |       |          |                 |                |                |           |  |
| 16.326                                     | 16.326 | (1.088)  | 105   | 24377    | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 16.326                                     | 16.326 | (1.088)  | 120   | 7720     |                 |                | 0.00- 30.00    | 31.67     |  |
| 16.326                                     | 16.326 | (1.088)  | 51    | 4216     |                 |                | 0.00- 30.00    | 17.29     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 122 1,2-Dibromoethane CAS #: 106-93-4      |        |          |       |          |                 |                |                |           |  |
| 14.363                                     | 14.363 | (0.958)  | 107   | 11296    | 0.20000         |                | 70.00- 130.00  | 100.00(a) |  |
| 14.363                                     | 14.363 | (0.958)  | 109   | 9119     |                 |                | 65.04- 125.04  | 80.73     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8 |        |          |       |          |                 |                |                |           |  |
| 17.045                                     | 17.045 | (1.136)  | 105   | 20301    | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 17.045                                     | 17.045 | (1.136)  | 120   | 11219    |                 |                | 0.00- 30.00    | 55.26     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6  |        |          |       |          |                 |                |                |           |  |
| 17.460                                     | 17.460 | (1.164)  | 105   | 18124    | 0.20000         | 0.2000         | 70.00- 130.00  | 100.00    |  |
| 17.460                                     | 17.460 | (1.164)  | 120   | 9849     |                 |                | 18.96- 78.96   | 54.34     |  |
| -----                                      |        |          |       |          |                 |                |                |           |  |

QC Flag Legend

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



Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040905.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 0.2ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 271578  | 10.61 |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1168471 | 5.12  |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1182349 | 0.94  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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/msd5.1/5-09apr.b/5040905.d

Date: 09-APR-2008 11:52

Client ID: Level 1

Sample Info: 0.2mL #1576-326

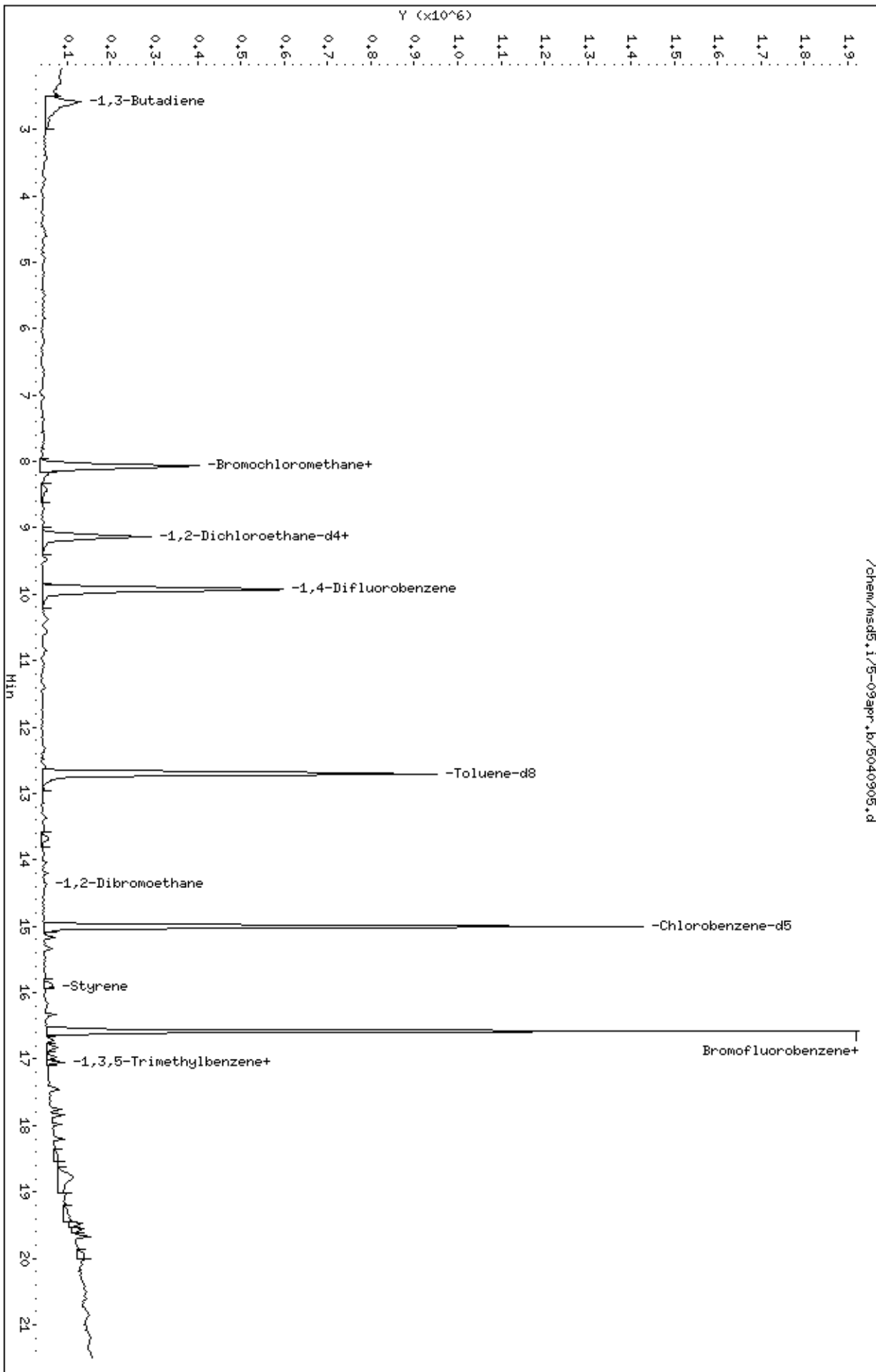
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-09apr.b/5040905.d



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040913.d  
 Lab Smp Id: ICAL Client Smp ID: Level 2  
 Inj Date : 09-APR-2008 16:02  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 0.5mL #1576-326  
 Misc Info : 200ppbv -> 0.5ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 16:02 Cal File: 5040913.d  
 Als bottle: 1 Calibration Sample, Level: 2  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08Low.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |                |        |
|---|--------|----------|-------|----------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |                |        |
| 8.087   | 8.087  | (1.000)  | 130   | 233751   | 25.0000 |        | 70.00- 130.00  | 100.00 |
| 8.087   | 8.087  | (1.000)  | 128   | 182071   |         |        | 48.93- 108.93  | 77.89  |
| 8.059   | 8.059  | (1.000)  | 49    | 468309   |         |        | 174.90- 234.90 | 200.35 |
| -----   |        |          |       |          |         |        |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |                |        |
| 9.939   | 9.939  | (1.000)  | 114   | 1036913  | 25.0000 |        | 70.00- 130.00  | 100.00 |
| 9.912   | 9.912  | (1.000)  | 88    | 159186   |         |        | 0.00- 45.06    | 15.35  |
| -----   |        |          |       |          |         |        |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |                |        |
| 14.999  | 14.999 | (1.000)  | 117   | 1114794  | 25.0000 |        | 70.00- 130.00  | 100.00 |
| 14.999  | 14.999 | (1.000)  | 82    | 556699   |         |        | 0.00- 30.00    | 49.94  |
| -----   |        |          |       |          |         |        |                |        |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |                |        |
| 9.137   | 9.137  | (1.130)  | 65    | 303257   | 25.0000 | 24.259 | 70.00- 130.00  | 100.00 |
| 9.137   | 9.137  | (1.130)  | 67    | 165019   |         |        | 0.00- 30.00    | 54.42  |
| -----   |        |          |       |          |         |        |                |        |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |                |        |
| 12.704  | 12.704 | (1.278)  | 98    | 1109305  | 25.0000 | 25.536 | 70.00- 130.00  | 100.00 |
| 12.704  | 12.704 | (1.278)  | 70    | 105081   |         |        | 0.00- 30.00    | 9.47   |

| AMOUNTS                                       |        |          |       |          |                 |                |                |            |  |
|---|--------|----------|-------|----------|-----------------|----------------|----------------|------------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO      |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====      |  |
| \$ 107 Toluene-d8 (continued)                 |        |          |       |          |                 |                |                |            |  |
| 12.704  | 12.704 | (1.278)  | 100   | 730975   |                 |                | 0.00- 30.00    | 65.89      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| \$ 138 Bromofluorobenzene CAS #: 460-00-4     |        |          |       |          |                 |                |                |            |  |
| 16.575  | 16.575 | (1.105)  | 174   | 646286   | 25.0000         | 24.114         | 70.00- 130.00  | 100.00     |  |
| 16.575  | 16.575 | (1.105)  | 95    | 901002   |                 |                | 105.46- 165.46 | 139.41     |  |
| 16.575  | 16.575 | (1.105)  | 176   | 616934   |                 |                | 67.29- 127.29  | 95.46      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 8 Dichlorodifluoromethane/Fr12 CAS #: 75-71-8 |        |          |       |          |                 |                |                |            |  |
| 2.336   | 2.336  | (0.289)  | 85    | 10292    | 0.50000         | 0.4562         | 70.00- 130.00  | 100.00(a)  |  |
| 2.336   | 2.336  | (0.289)  | 87    | 3676     |                 |                | 0.00- 30.00    | 35.72      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 9 Freon 114 CAS #: 76-14-2                    |        |          |       |          |                 |                |                |            |  |
| 2.474   | 2.474  | (0.306)  | 135   | 8787     | 0.50000         | 0.4321         | 70.00- 130.00  | 100.00(a)  |  |
| 2.474   | 2.474  | (0.306)  | 137   | 3656     |                 |                | 2.26- 62.26    | 41.61      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 13 Vinyl Chloride CAS #: 75-01-4              |        |          |       |          |                 |                |                |            |  |
| 2.778   | 2.778  | (0.344)  | 62    | 6763     | 0.50000         | 0.4503         | 70.00- 130.00  | 100.00(a)  |  |
| 2.806   | 2.806  | (0.347)  | 64    | 1796     |                 |                | 0.00- 30.00    | 26.56      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 12 1,3-Butadiene CAS #: 106-99-0              |        |          |       |          |                 |                |                |            |  |
| 2.778   | 2.778  | (0.344)  | 54    | 9258     | 0.50000         | 0.6046         | 70.00- 130.00  | 100.00     |  |
| 2.778   | 2.778  | (0.344)  | 39    | 9896     |                 |                | 0.00- 30.00    | 106.89     |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 15 Bromomethane CAS #: 74-83-9                |        |          |       |          |                 |                |                |            |  |
| 3.303   | 3.303  | (0.408)  | 94    | 2306     | 0.50000         | 0.2762         | 70.00- 130.00  | 100.00(a)  |  |
| 3.303   | 3.303  | (0.408)  | 96    | 4338     |                 |                | 64.97- 124.97  | 188.12     |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 19 Chloroethane CAS #: 75-00-3                |        |          |       |          |                 |                |                |            |  |
| 3.442   | 3.442  | (0.426)  | 64    | 2317     | 0.50000         | 0.3305         | 70.00- 130.00  | 100.00(Ta) |  |
| 0.000   | 1.000  | (0.000)  | 49    | 0        |                 |                | 0.00- 30.00    | 0.00       |  |
| 3.746   | 3.746  | (0.463)  | 66    | 2098     |                 |                | 0.00- 30.00    | 90.55      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 20 Trichlorofluoromethane/Fr11 CAS #: 75-69-4 |        |          |       |          |                 |                |                |            |  |
| 3.746   | 3.746  | (0.463)  | 101   | 10989    | 0.50000         | 0.4287         | 70.00- 130.00  | 100.00(a)  |  |
| 3.746   | 3.746  | (0.463)  | 103   | 6566     |                 |                | 34.72- 94.72   | 59.75      |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 30 Freon 113 CAS #: 76-13-1                   |        |          |       |          |                 |                |                |            |  |
| 4.520   | 4.520  | (0.559)  | 151   | 7012     | 0.50000         | 0.4174         | 70.00- 130.00  | 100.00(a)  |  |
| 4.548   | 4.548  | (0.562)  | 153   | 4228     |                 |                | 34.83- 94.83   | 60.30      |  |
| 4.520   | 4.520  | (0.559)  | 101   | 9136     |                 |                | 99.93- 159.93  | 130.29     |  |
| -----   |        |          |       |          |                 |                |                |            |  |
| 31 1,1-Dichloroethene CAS #: 75-35-4          |        |          |       |          |                 |                |                |            |  |
| 4.603   | 4.603  | (0.569)  | 61    | 8490     | 0.50000         | 0.4006         | 70.00- 130.00  | 100.00(a)  |  |
| 4.603   | 4.603  | (0.569)  | 96    | 6063     |                 |                | 22.58- 82.58   | 71.41      |  |
| 4.603   | 4.603  | (0.569)  | 98    | 3299     |                 |                | 3.77- 63.77    | 38.86      |  |
| -----   |        |          |       |          |                 |                |                |            |  |

| AMOUNTS |                          |          |       |          |                 |                  |                |           |  |
|---------|--------------------------|----------|-------|----------|-----------------|------------------|----------------|-----------|--|
| RT      | EXP RT                   | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO     |  |
| ==      | =====                    | =====    | ===== | =====    | =====           | =====            | =====          | =====     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 35      | Carbon Disulfide         |          |       |          |                 | CAS #: 75-15-0   |                |           |  |
| 4.935   | 4.935                    | (0.610)  | 76    | 15176    | 0.50000         | 0.4430           | 70.00- 130.00  | 100.00(a) |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 43      | Methylene Chloride       |          |       |          |                 | CAS #: 75-09-2   |                |           |  |
| 5.460   | 5.460                    | (0.675)  | 49    | 8781     | 0.50000         | 0.4472           | 70.00- 130.00  | 100.00(a) |  |
| 5.460   | 5.460                    | (0.675)  | 84    | 5614     |                 |                  | 23.12- 83.12   | 63.93     |  |
| 5.488   | 5.488                    | (0.679)  | 51    | 3142     |                 |                  | 0.00- 30.00    | 35.78     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 46      | MTBE                     |          |       |          |                 | CAS #: 1634-04-4 |                |           |  |
| 5.792   | 5.792                    | (0.716)  | 73    | 8185     | 0.50000         | 0.3777           | 70.00- 130.00  | 100.00(a) |  |
| 5.764   | 5.764                    | (0.713)  | 57    | 3040     |                 |                  | 0.50- 60.50    | 37.14     |  |
| 5.764   | 5.764                    | (0.713)  | 41    | 2269     |                 |                  | 0.00- 30.00    | 27.72     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 47      | trans-1,2-Dichloroethene |          |       |          |                 | CAS #: 156-60-5  |                |           |  |
| 5.847   | 5.847                    | (0.723)  | 96    | 7759     | 0.50000         | 0.5373           | 70.00- 130.00  | 100.00    |  |
| 5.847   | 5.847                    | (0.723)  | 61    | 8411     |                 |                  | 134.04- 194.04 | 108.40    |  |
| 5.847   | 5.847                    | (0.723)  | 98    | 4331     |                 |                  | 0.00- 30.00    | 55.82     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 51      | Hexane                   |          |       |          |                 | CAS #: 110-54-3  |                |           |  |
| 6.179   | 6.179                    | (0.764)  | 57    | 15405    | 0.50000         | 0.5106           | 70.00- 130.00  | 100.00    |  |
| 6.179   | 6.179                    | (0.764)  | 43    | 9983     |                 |                  | 0.00- 30.00    | 64.80     |  |
| 6.151   | 6.151                    | (0.761)  | 86    | 1566     |                 |                  | 0.00- 30.00    | 10.17     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 55      | 1,1-Dichloroethane       |          |       |          |                 | CAS #: 75-34-3   |                |           |  |
| 6.621   | 6.621                    | (0.819)  | 63    | 11216    | 0.50000         | 0.4333           | 70.00- 130.00  | 100.00(a) |  |
| 6.621   | 6.621                    | (0.819)  | 65    | 3278     |                 |                  | 0.00- 59.38    | 29.23     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 67      | 2-Butanone               |          |       |          |                 | CAS #: 78-93-3   |                |           |  |
| 7.700   | 7.700                    | (0.952)  | 72    | 2556     | 0.50000         | 0.3721           | 70.00- 130.00  | 100.00(a) |  |
| 7.727   | 7.727                    | (0.956)  | 43    | 18130    |                 |                  | 572.61- 632.61 | 709.31    |  |
| 7.451   | 7.451                    | (0.921)  | 57    | 1871     |                 |                  | 0.00- 30.00    | 73.20     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 66      | cis-1,2-Dichloroethene   |          |       |          |                 | CAS #: 156-59-2  |                |           |  |
| 7.644   | 7.644                    | (0.945)  | 61    | 9964     | 0.50000         | 0.4815           | 70.00- 130.00  | 100.00(a) |  |
| 7.644   | 7.644                    | (0.945)  | 96    | 4631     |                 |                  | 40.21- 100.21  | 46.48     |  |
| 7.644   | 7.644                    | (0.945)  | 98    | 4455     |                 |                  | 15.96- 75.96   | 44.71     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 70      | Tetrahydrofuran          |          |       |          |                 | CAS #: 109-99-9  |                |           |  |
| 8.059   | 8.059                    | (0.997)  | 42    | 18579    | 0.50000         | 0.6579           | 70.00- 130.00  | 100.00    |  |
| 8.087   | 8.087                    | (1.000)  | 71    | 3361     |                 |                  | 0.00- 55.28    | 18.09     |  |
| 8.059   | 8.059                    | (0.997)  | 72    | 5297     |                 |                  | 0.00- 30.00    | 28.51     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |
| 72      | Chloroform               |          |       |          |                 | CAS #: 67-66-3   |                |           |  |
| 8.225   | 8.225                    | (1.017)  | 83    | 10642    | 0.50000         | 0.4038           | 70.00- 130.00  | 100.00(a) |  |
| 8.197   | 8.197                    | (1.014)  | 85    | 7088     |                 |                  | 35.62- 95.62   | 66.60     |  |
| -----   |                          |          |       |          |                 |                  |                |           |  |

| AMOUNTS |                         |          |       |          |                 |                |              |        |           |  |
|---------|-------------------------|----------|-------|----------|-----------------|----------------|--------------|--------|-----------|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |           |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====          | =====        | =====  |           |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 75      | 1,1,1-Trichloroethane   |          |       |          |                 | CAS #:         | 71-55-6      |        |           |  |
| 8.446   | 8.446                   | (1.044)  | 97    | 8936     | 0.50000         | 0.3886         | 70.00-       | 130.00 | 100.00(a) |  |
| 8.474   | 8.474                   | (1.048)  | 99    | 6388     |                 |                | 35.49-       | 95.49  | 71.49     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 74      | Cyclohexane             |          |       |          |                 | CAS #:         | 110-82-7     |        |           |  |
| 8.419   | 8.419                   | (1.041)  | 84    | 11331    | 0.50000         | 0.5439         | 70.00-       | 130.00 | 100.00    |  |
| 8.419   | 8.419                   | (1.041)  | 56    | 15565    |                 |                | 127.74-      | 187.74 | 137.37    |  |
| 8.419   | 8.419                   | (1.041)  | 41    | 9449     |                 |                | 65.80-       | 125.80 | 83.39     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 77      | Carbon Tetrachloride    |          |       |          |                 | CAS #:         | 56-23-5      |        |           |  |
| 8.695   | 8.695                   | (1.075)  | 119   | 9834     | 0.50000         | 0.4542         | 70.00-       | 130.00 | 100.00(a) |  |
| 8.667   | 8.667                   | (1.072)  | 117   | 8603     |                 |                | 73.84-       | 133.84 | 87.48     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #:         | 540-84-1     |        |           |  |
| 9.082   | 9.082                   | (1.123)  | 57    | 40768    | 0.50000         | 0.4329         | 70.00-       | 130.00 | 100.00(a) |  |
| 9.110   | 9.110                   | (1.127)  | 56    | 13347    |                 |                | 0.00-        | 30.00  | 32.74     |  |
| 9.110   | 9.110                   | (1.127)  | 41    | 13155    |                 |                | 0.00-        | 30.00  | 32.27     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 81      | Benzene                 |          |       |          |                 | CAS #:         | 71-43-2      |        |           |  |
| 9.110   | 9.110                   | (0.917)  | 78    | 18629    | 0.50000         | 0.3746         | 70.00-       | 130.00 | 100.00(a) |  |
| 9.110   | 9.110                   | (0.917)  | 77    | 5068     |                 |                | 0.00-        | 30.00  | 27.20     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #:         | 107-06-2     |        |           |  |
| 9.276   | 9.276                   | (0.933)  | 62    | 6753     | 0.50000         | 0.3868         | 70.00-       | 130.00 | 100.00(a) |  |
| 9.276   | 9.276                   | (0.933)  | 64    | 4387     |                 |                | 0.00-        | 30.00  | 64.96     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 90      | Heptane                 |          |       |          |                 | CAS #:         | 142-82-5     |        |           |  |
| 9.497   | 9.497                   | (0.955)  | 100   | 2418     | 0.50000         | 0.4328         | 70.00-       | 130.00 | 100.00(a) |  |
| 9.469   | 9.469                   | (0.953)  | 43    | 17407    |                 |                | 0.00-        | 30.00  | 719.89    |  |
| 9.497   | 9.497                   | (0.955)  | 71    | 7974     |                 |                | 0.00-        | 30.00  | 329.78    |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #:         | 79-01-6      |        |           |  |
| 10.354  | 10.354                  | (1.042)  | 95    | 7677     | 0.50000         | 0.4218         | 70.00-       | 130.00 | 100.00(a) |  |
| 10.354  | 10.354                  | (1.042)  | 130   | 7068     |                 |                | 75.19-       | 135.19 | 92.07     |  |
| 10.326  | 10.326                  | (1.039)  | 97    | 5395     |                 |                | 35.92-       | 95.92  | 70.27     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #:         | 78-87-5      |        |           |  |
| 10.852  | 10.852                  | (1.092)  | 63    | 8680     | 0.50000         | 0.4697         | 70.00-       | 130.00 | 100.00(a) |  |
| 10.852  | 10.852                  | (1.092)  | 62    | 6877     |                 |                | 42.36-       | 102.36 | 79.23     |  |
| 10.852  | 10.852                  | (1.092)  | 41    | 7055     |                 |                | 36.24-       | 96.24  | 81.28     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #:         | 75-27-4      |        |           |  |
| 11.405  | 11.405                  | (1.147)  | 83    | 10503    | 0.50000         | 0.4171         | 70.00-       | 130.00 | 100.00(a) |  |
| 11.405  | 11.405                  | (1.147)  | 85    | 6375     |                 |                | 34.29-       | 94.29  | 60.70     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #:         | 10061-01-5   |        |           |  |
| 12.317  | 12.317                  | (1.239)  | 75    | 8482     | 0.50000         | 0.3902         | 70.00-       | 130.00 | 100.00(a) |  |

| AMOUNTS   |        |          |       |          |                 |                |               |           |  |
|---|--------|----------|-------|----------|-----------------|----------------|---------------|-----------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |  |
| ==  | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====     |  |
| 103 cis-1,3-Dichloropropene (continued)         |        |          |       |          |                 |                |               |           |  |
| 12.317  | 12.317 | (1.239)  | 77    | 4245     |                 |                | 2.88- 62.88   | 50.05     |  |
| 12.317  | 12.317 | (1.239)  | 39    | 7937     |                 |                | 38.55- 98.55  | 93.57     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 106 4-Methyl-2-pentanone CAS #: 108-10-1        |        |          |       |          |                 |                |               |           |  |
| 12.621  | 12.621 | (1.270)  | 58    | 6875     | 0.50000         | 0.3939         | 70.00- 130.00 | 100.00(a) |  |
| 12.621  | 12.621 | (1.270)  | 43    | 29525    |                 |                | 0.00- 30.00   | 429.45    |  |
| 12.621  | 12.621 | (1.270)  | 85    | 2778     |                 |                | 0.00- 30.00   | 40.41     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 108 Toluene CAS #: 108-88-3                     |        |          |       |          |                 |                |               |           |  |
| 12.815  | 12.815 | (1.289)  | 91    | 22482    | 0.50000         | 0.4215         | 70.00- 130.00 | 100.00(a) |  |
| 12.815  | 12.815 | (1.289)  | 92    | 15186    |                 |                | 28.92- 88.92  | 67.55     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 113 trans-1,3-Dichloropropene CAS #: 10061-02-6 |        |          |       |          |                 |                |               |           |  |
| 13.368  | 13.368 | (0.891)  | 75    | 8372     | 0.50000         | 0.3927         | 70.00- 130.00 | 100.00(a) |  |
| 13.368  | 13.368 | (0.891)  | 77    | 3566     |                 |                | 2.45- 62.45   | 42.59     |  |
| 13.368  | 13.368 | (0.891)  | 39    | 6862     |                 |                | 41.02- 101.02 | 81.96     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 114 1,1,2-Trichloroethane CAS #: 79-00-5        |        |          |       |          |                 |                |               |           |  |
| 13.644  | 13.644 | (0.910)  | 97    | 10458    | 0.50000         | 0.5400         | 70.00- 130.00 | 100.00    |  |
| 13.644  | 13.644 | (0.910)  | 99    | 4520     |                 |                | 33.86- 93.86  | 43.22     |  |
| 13.644  | 13.644 | (0.910)  | 83    | 6790     |                 |                | 54.90- 114.90 | 64.93     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 116 Tetrachloroethene CAS #: 127-18-4           |        |          |       |          |                 |                |               |           |  |
| 13.700  | 13.700 | (0.913)  | 166   | 8397     | 0.50000         | 0.3767         | 70.00- 130.00 | 100.00(a) |  |
| 13.700  | 13.700 | (0.913)  | 129   | 7558     |                 |                | 44.47- 104.47 | 90.01     |  |
| 13.700  | 13.700 | (0.913)  | 131   | 6342     |                 |                | 41.24- 101.24 | 75.53     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 120 Dibromochloromethane CAS #: 124-48-1        |        |          |       |          |                 |                |               |           |  |
| 14.197  | 14.197 | (0.947)  | 129   | 9463     | 0.50000         | 0.3786         | 70.00- 130.00 | 100.00(a) |  |
| 14.197  | 14.197 | (0.947)  | 127   | 7343     |                 |                | 0.00- 30.00   | 77.60     |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 122 1,2-Dibromoethane CAS #: 106-93-4           |        |          |       |          |                 |                |               |           |  |
| 14.363  | 14.363 | (0.958)  | 107   | 10906    | 0.50000         | 0.3834         | 70.00- 130.00 | 100.00(a) |  |
| 14.363  | 14.363 | (0.958)  | 109   | 11589    |                 |                | 65.04- 125.04 | 106.26    |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 126 Chlorobenzene CAS #: 108-90-7               |        |          |       |          |                 |                |               |           |  |
| 15.054  | 15.054 | (1.004)  | 112   | 19535    | 0.50000         | 0.4459         | 70.00- 130.00 | 100.00(a) |  |
| 15.054  | 15.054 | (1.004)  | 114   | 7078     |                 |                | 2.03- 62.03   | 36.23     |  |
| 15.027  | 15.027 | (1.002)  | 77    | 19624    |                 |                | 26.76- 86.76  | 100.46    |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 128 Ethyl Benzene CAS #: 100-41-4               |        |          |       |          |                 |                |               |           |  |
| 15.165  | 15.165 | (1.011)  | 106   | 9683     | 0.50000         | 0.3967         | 70.00- 130.00 | 100.00(a) |  |
| 15.165  | 15.165 | (1.011)  | 91    | 30167    |                 |                | 0.00- 30.00   | 311.55    |  |
| -----   |        |          |       |          |                 |                |               |           |  |
| 130 m,p-Xylene CAS #: 108-38-3                  |        |          |       |          |                 |                |               |           |  |
| 15.331  | 15.331 | (1.022)  | 106   | 12729    | 0.50000         | 0.4114         | 70.00- 130.00 | 100.00(a) |  |

| AMOUNTS                                      |        |          |       |          |                |               |                |           |  |
|--|--------|----------|-------|----------|----------------|---------------|----------------|-----------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT (PPEV) | ON-COL (PPBV) | TARGET RANGE   | RATIO     |  |
| ==   | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====     |  |
| 130 m,p-Xylene (continued)                   |        |          |       |          |                |               |                |           |  |
| 15.331                                       | 15.331 | (1.022)  | 91    | 24352    |                |               | 0.00- 30.00    | 191.31    |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 132 o-Xylene CAS #: 95-47-6                  |        |          |       |          |                |               |                |           |  |
| 15.856                                       | 15.856 | (1.057)  | 106   | 11669    | 0.50000        | 0.4065        | 70.00- 130.00  | 100.00(a) |  |
| 15.856                                       | 15.856 | (1.057)  | 91    | 23321    |                |               | 169.15- 229.15 | 199.85    |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |                |               |                |           |  |
| 15.912                                       | 15.912 | (1.061)  | 104   | 17726    | 0.50000        | 0.3516        | 70.00- 130.00  | 100.00(a) |  |
| 15.912                                       | 15.912 | (1.061)  | 78    | 9868     |                |               | 12.91- 72.91   | 55.67     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |                |               |                |           |  |
| 16.160                                       | 16.160 | (1.077)  | 173   | 8329     | 0.50000        | 0.3542        | 70.00- 130.00  | 100.00(a) |  |
| 16.160                                       | 16.160 | (1.077)  | 171   | 3960     |                |               | 21.95- 81.95   | 47.54     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                |               |                |           |  |
| 16.796                                       | 16.796 | (1.120)  | 83    | 17585    | 0.50000        | 0.4262        | 70.00- 130.00  | 100.00(a) |  |
| 16.796                                       | 16.796 | (1.120)  | 85    | 11219    |                |               | 34.75- 94.75   | 63.80     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                |               |                |           |  |
| 16.962                                       | 16.962 | (1.131)  | 105   | 35542    | 0.50000        | 0.4156        | 70.00- 130.00  | 100.00(a) |  |
| 16.990                                       | 16.990 | (1.133)  | 120   | 9648     |                |               | 1.07- 61.07    | 27.15     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                |               |                |           |  |
| 17.045                                       | 17.045 | (1.136)  | 105   | 29449    | 0.50000        | 0.3829        | 70.00- 130.00  | 100.00(a) |  |
| 17.045                                       | 17.045 | (1.136)  | 120   | 15841    |                |               | 0.00- 30.00    | 53.79     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                |               |                |           |  |
| 17.460                                       | 17.460 | (1.164)  | 105   | 26760    | 0.50000        | 0.3987        | 70.00- 130.00  | 100.00(a) |  |
| 17.460                                       | 17.460 | (1.164)  | 120   | 13221    |                |               | 18.96- 78.96   | 49.41     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                |               |                |           |  |
| 17.764                                       | 17.764 | (1.184)  | 146   | 19543    | 0.50000        | 0.4490        | 70.00- 130.00  | 100.00(a) |  |
| 17.764                                       | 17.764 | (1.184)  | 148   | 13286    |                |               | 0.00- 30.00    | 67.98     |  |
| 17.764                                       | 17.764 | (1.184)  | 111   | 8401     |                |               | 0.00- 30.00    | 42.99     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                |               |                |           |  |
| 17.847                                       | 17.847 | (1.190)  | 146   | 24035    | 0.50000        | 0.4617        | 70.00- 130.00  | 100.00(a) |  |
| 17.847                                       | 17.847 | (1.190)  | 148   | 14375    |                |               | 0.00- 30.00    | 59.81     |  |
| 17.847                                       | 17.847 | (1.190)  | 111   | 9433     |                |               | 0.00- 30.00    | 39.25     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |                |               |                |           |  |
| 17.985                                       | 17.985 | (1.199)  | 91    | 23232    | 0.50000        | 0.3446        | 70.00- 130.00  | 100.00(a) |  |
| 17.985                                       | 17.985 | (1.199)  | 126   | 5021     |                |               | 0.00- 30.00    | 21.61     |  |
| -----  |        |          |       |          |                |               |                |           |  |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |                |               |                |           |  |
| 18.207                                       | 18.207 | (1.214)  | 146   | 20292    | 0.50000        | 0.4597        | 70.00- 130.00  | 100.00(a) |  |



| AMOUNTS                               |        |          |       |          |                 |                |               |           |  |
|---------------------------------------|--------|----------|-------|----------|-----------------|----------------|---------------|-----------|--|
| RT                                    | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |  |
| ==                                    | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====     |  |
| 159 1,2-Dichlorobenzene (continued)   |        |          |       |          |                 |                |               |           |  |
| 18.207                                | 18.207 | (1.214)  | 148   | 13381    |                 |                | 33.15- 93.15  | 65.94     |  |
| 18.207                                | 18.207 | (1.214)  | 111   | 7633     |                 |                | 7.43- 67.43   | 37.62     |  |
| -----                                 |        |          |       |          |                 |                |               |           |  |
| 142 Propylbenzene CAS #: 103-65-1     |        |          |       |          |                 |                |               |           |  |
| 16.824                                | 16.824 | (1.122)  | 91    | 35925    | 0.50000         | 0.3831         | 70.00- 130.00 | 100.00(a) |  |
| 16.852                                | 16.852 | (1.123)  | 120   | 9433     |                 |                | 0.00- 30.00   | 26.26     |  |
| 16.852                                | 16.852 | (1.123)  | 105   | 2627     |                 |                | 0.00- 30.00   | 7.31      |  |
| -----                                 |        |          |       |          |                 |                |               |           |  |
| 136 Cumene CAS #: 98-82-8             |        |          |       |          |                 |                |               |           |  |
| 16.326                                | 16.326 | (1.088)  | 105   | 32383    | 0.50000         | 0.3790         | 70.00- 130.00 | 100.00(a) |  |
| 16.326                                | 16.326 | (1.088)  | 120   | 10902    |                 |                | 0.00- 30.00   | 33.67     |  |
| 16.326                                | 16.326 | (1.088)  | 51    | 4951     |                 |                | 0.00- 30.00   | 15.29     |  |
| -----                                 |        |          |       |          |                 |                |               |           |  |
| 94 Methyl Cyclohexane CAS #: 108-87-2 |        |          |       |          |                 |                |               |           |  |
| 10.575                                | 10.575 | (1.064)  | 83    | 11476    | 0.50000         | 0.4043         | 70.00- 130.00 | 100.00(a) |  |
| 10.548                                | 10.548 | (1.061)  | 98    | 7526     |                 |                | 0.00- 30.00   | 65.58     |  |
| 10.575                                | 10.575 | (1.064)  | 55    | 18840    |                 |                | 0.00- 30.00   | 164.17    |  |
| -----                                 |        |          |       |          |                 |                |               |           |  |

QC Flag Legend

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

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040913.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 2

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 0.5ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 233751  | -4.80 |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1036913 | -6.71 |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1114794 | -4.83 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

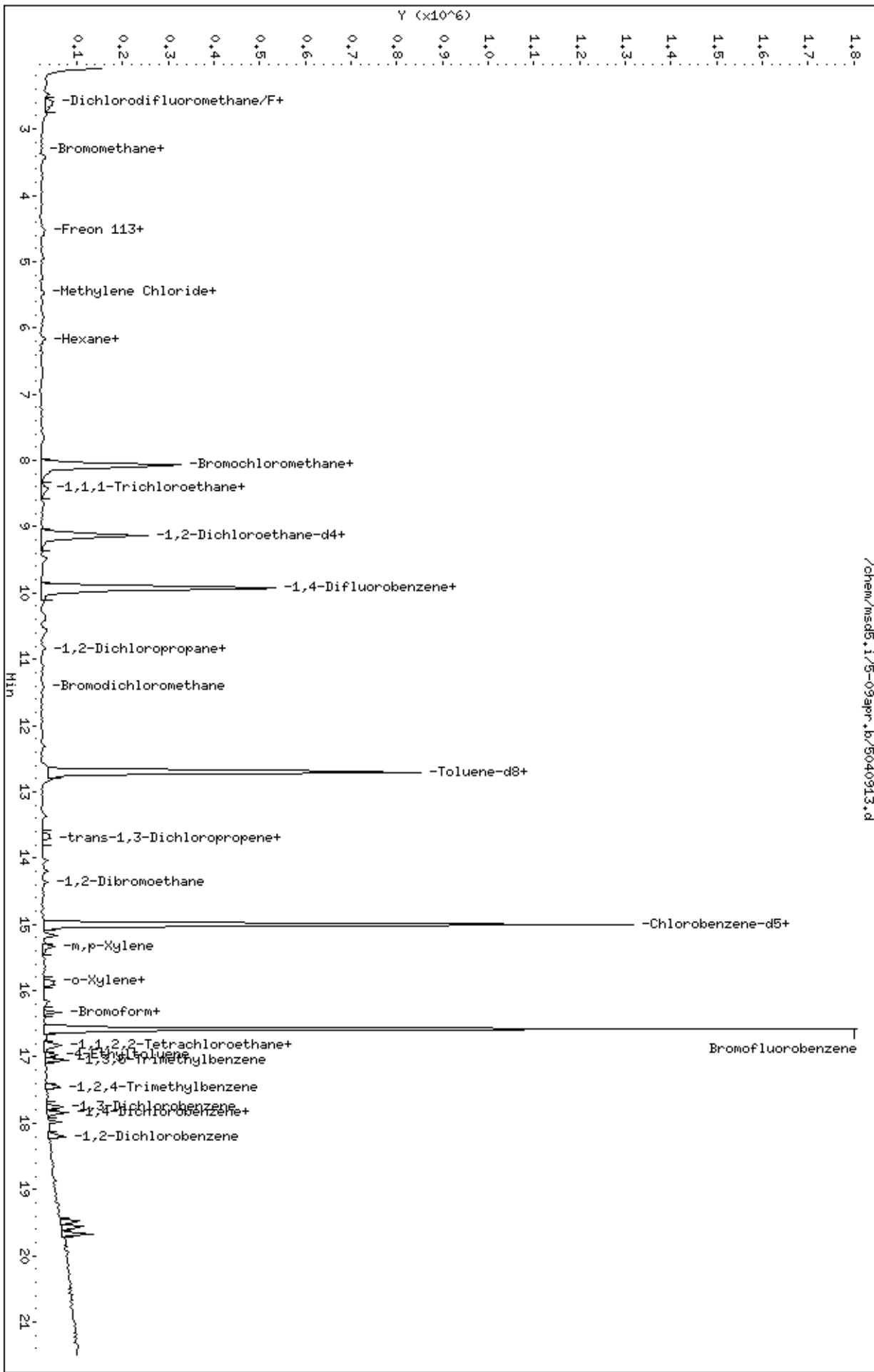
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-09apr.b/5040913.d  
Date: 09-APR-2008 16:02  
Client ID: Level 2  
Sample Info: 0.5mL #1576-326

Column phase: RTX-624

Instrument: msd5.i  
Operator: ct  
Column diameter: 0.53

/chem/msd5.1/5-09apr.b/5040913.d



Report Date: 11-Apr-2008 15:45

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041006.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 3  
 Inj Date : 10-APR-2008 11:52  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 2.0mL #1576-319  
 Misc Info : 200ppbv -> 2.0ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 11-Apr-2008 07:33 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 11:52 Cal File: 5041006.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp19a.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     |  |
| ==                                       | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====     |  |
| * 71 Bromochloromethane CAS #: 74-97-5   |        |          |       |          |         |        |                |           |  |
| 8.087                                    | 8.059  | (1.000)  | 130   | 219542   | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 8.059                                    | 8.059  | (1.000)  | 128   | 171618   |         |        | 45.23- 105.23  | 78.17     |  |
| 8.059                                    | 8.059  | (1.000)  | 49    | 448928   |         |        | 169.46- 229.46 | 204.48    |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3 |        |          |       |          |         |        |                |           |  |
| 9.939                                    | 9.912  | (1.000)  | 114   | 1020354  | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 9.911                                    | 9.912  | (1.000)  | 88    | 153978   |         |        | 0.00- 44.71    | 15.09     |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4  |        |          |       |          |         |        |                |           |  |
| 14.999                                   | 14.999 | (1.000)  | 117   | 1076155  | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 14.999                                   | 14.999 | (1.000)  | 82    | 545734   |         |        | 0.00- 30.00    | 50.71     |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| 7 Isobutane CAS #: 75-28-5               |        |          |       |          |         |        |                |           |  |
| 2.501                                    | 2.474  | (0.309)  | 43    | 67254    | 2.00000 | 1.975  | 80.00- 120.00  | 100.00(a) |  |
| 2.529                                    | 2.474  | (0.313)  | 42    | 23419    |         |        | 0.00- 30.00    | 34.82     |  |
| 2.529                                    | 2.474  | (0.313)  | 58    | 3644     |         |        | 0.00- 30.00    | 5.42      |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| 18 Pentane CAS #: 109-66-0               |        |          |       |          |         |        |                |           |  |
| 3.829                                    | 3.801  | (0.473)  | 43    | 56668    | 2.00000 | 1.787  | 80.00- 120.00  | 100.00(a) |  |

| AMOUNTS                |        |          |       |          |                 |                 |               |            |  |
|------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|------------|--|
| RT                     | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO      |  |
| ==                     | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====      |  |
| 18 Pentane (continued) |        |          |       |          |                 |                 |               |            |  |
| 3.801                  | 3.801  | (0.470)  | 57    | 7722     |                 |                 | 0.00- 30.00   | 13.63      |  |
| 3.829                  | 3.801  | (0.473)  | 72    | 4144     |                 |                 | 0.00- 30.00   | 7.31       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 25 Acrolein            |        |          |       |          |                 | CAS #: 107-02-8 |               |            |  |
| 4.520                  | 4.492  | (0.559)  | 55    | 6106     | 2.00000         | 1.604           | 80.00- 120.00 | 100.00(a)  |  |
| 4.520                  | 4.492  | (0.559)  | 56    | 10432    |                 |                 | 0.00- 30.00   | 170.85     |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 34 Acetonitrile        |        |          |       |          |                 | CAS #: 75-05-8  |               |            |  |
| 5.349                  | 5.294  | (0.662)  | 41    | 19380    | 2.00000         | 1.570           | 80.00- 120.00 | 100.00(a)  |  |
| 5.322                  | 5.294  | (0.658)  | 38    | 6196     |                 |                 | 0.00- 30.00   | 31.97      |  |
| 5.322                  | 5.294  | (0.658)  | 40    | 36923    |                 |                 | 0.00- 30.00   | 190.52     |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 39 Acrylonitrile       |        |          |       |          |                 | CAS #: 107-13-1 |               |            |  |
| 5.985                  | 5.958  | (0.740)  | 53    | 24017    | 2.00000         | 1.724           | 80.00- 120.00 | 100.00(a)  |  |
| 5.985                  | 5.958  | (0.740)  | 52    | 12970    |                 |                 | 0.00- 30.00   | 54.00      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 42 1-Pentene           |        |          |       |          |                 | CAS #: 109-67-1 |               |            |  |
| 3.746                  | 3.746  | (0.463)  | 55    | 32536    | 2.00000         | 1.907           | 80.00- 120.00 | 100.00(Ta) |  |
| 3.746                  | 3.746  | (0.463)  | 42    | 72923    |                 |                 | 0.00- 30.00   | 224.13     |  |
| 0.000                  | 3.746  | (0.000)  | 0     | 0        |                 |                 | 0.00- 30.00   | 0.00       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 44 Ethyl Ether         |        |          |       |          |                 | CAS #: 60-29-7  |               |            |  |
| 4.188                  | 4.161  | (0.518)  | 74    | 10831    | 2.00000         | 1.778           | 80.00- 120.00 | 100.00(Ta) |  |
| 4.188                  | 4.161  | (0.518)  | 59    | 17711    |                 |                 | 0.00- 30.00   | 163.52     |  |
| 0.000                  | 4.161  | (0.000)  | 31    | 0        |                 |                 | 0.00- 30.00   | 0.00       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 53 Iodomethane         |        |          |       |          |                 | CAS #: 74-88-4  |               |            |  |
| 4.879                  | 4.852  | (0.603)  | 142   | 41051    | 2.00000         | 1.634           | 80.00- 120.00 | 100.00(a)  |  |
| 4.879                  | 4.852  | (0.603)  | 127   | 16049    |                 |                 | 0.00- 30.00   | 39.10      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 58 1-Hexene            |        |          |       |          |                 | CAS #: 592-41-6 |               |            |  |
| 6.041                  | 6.041  | (0.747)  | 55    | 24530    | 2.00000         | 1.963           | 80.00- 120.00 | 100.00(a)  |  |
| 6.041                  | 6.041  | (0.747)  | 41    | 31202    |                 |                 | 0.00- 30.00   | 127.20     |  |
| 6.068                  | 6.041  | (0.750)  | 84    | 7479     |                 |                 | 0.00- 30.00   | 30.49      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 62 Methyl Acrylate     |        |          |       |          |                 | CAS #: 96-33-3  |               |            |  |
| 7.838                  | 7.783  | (0.969)  | 55    | 41843    | 2.00000         | 1.549           | 80.00- 120.00 | 100.00(a)  |  |
| 7.838                  | 7.783  | (0.969)  | 85    | 5865     |                 |                 | 0.00- 30.00   | 14.02      |  |
| 7.810                  | 7.783  | (0.966)  | 58    | 5925     |                 |                 | 0.00- 30.00   | 14.16      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 86 2-Pentanone         |        |          |       |          |                 | CAS #: 107-87-9 |               |            |  |
| 10.824                 | 10.796 | (1.089)  | 43    | 95381    | 2.00000         | 1.728           | 80.00- 120.00 | 100.00(a)  |  |
| 10.796                 | 10.796 | (1.086)  | 58    | 7234     |                 |                 | 0.00- 30.00   | 7.58       |  |
| 10.824                 | 10.796 | (1.089)  | 86    | 13676    |                 |                 | 0.00- 30.00   | 14.34      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |

| AMOUNTS                         |        |          |       |          |                 |                |              |        |           |  |
|---------------------------------|--------|----------|-------|----------|-----------------|----------------|--------------|--------|-----------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |           |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====          | =====        | =====  |           |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 88 Ethyl Acrylate               |        |          |       |          |                 | CAS #:         | 140-88-5     |        |           |  |
| 10.630                          | 10.630 | (1.070)  | 55    | 70238    | 2.00000         | 1.674          | 80.00-       | 120.00 | 100.00(a) |  |
| 10.658                          | 10.630 | (1.072)  | 99    | 4648     |                 |                | 0.00-        | 30.00  | 6.62      |  |
| 10.630                          | 10.630 | (1.070)  | 45    | 8895     |                 |                | 0.00-        | 30.00  | 12.66     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 95 Dibromomethane               |        |          |       |          |                 | CAS #:         | 74-95-3      |        |           |  |
| 11.100                          | 11.073 | (1.117)  | 174   | 23554    | 2.00000         | 1.672          | 80.00-       | 120.00 | 100.00(a) |  |
| 11.073                          | 11.073 | (1.114)  | 93    | 24605    |                 |                | 0.00-        | 30.00  | 104.46    |  |
| 11.073                          | 11.073 | (1.114)  | 95    | 20586    |                 |                | 0.00-        | 30.00  | 87.40     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 96 Methyl Methacrylate          |        |          |       |          |                 | CAS #:         | 80-62-6      |        |           |  |
| 11.073                          | 11.073 | (1.114)  | 41    | 50742    | 2.00000         | 1.708          | 80.00-       | 120.00 | 100.00(a) |  |
| 11.100                          | 11.073 | (1.117)  | 69    | 28314    |                 |                | 0.00-        | 30.00  | 55.80     |  |
| 11.100                          | 11.073 | (1.117)  | 100   | 9911     |                 |                | 0.00-        | 30.00  | 19.53     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 109 trans-1,4-dichloro-2-butene |        |          |       |          |                 | CAS #:         | 110-57-6     |        |           |  |
| 16.879                          | 16.879 | (1.125)  | 89    | 9101     | 2.00000         | 1.603          | 80.00-       | 120.00 | 100.00(a) |  |
| 16.879                          | 16.879 | (1.125)  | 53    | 17266    |                 |                | 0.00-        | 30.00  | 189.72    |  |
| 16.879                          | 16.879 | (1.125)  | 124   | 3805     |                 |                | 0.00-        | 30.00  | 41.81     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 112 Alphanemethylstyrene        |        |          |       |          |                 | CAS #:         | 98-83-9      |        |           |  |
| 17.294                          | 17.294 | (1.153)  | 118   | 58283    | 2.00000         | 1.708          | 80.00-       | 120.00 | 100.00(a) |  |
| 17.294                          | 17.294 | (1.153)  | 103   | 32363    |                 |                | 0.00-        | 30.00  | 55.53     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 117 Bis(2-chloroethyl) ether    |        |          |       |          |                 | CAS #:         | 111-44-4     |        |           |  |
| 17.709                          | 17.709 | (1.181)  | 93    | 56615    | 2.00000         | 1.788          | 80.00-       | 120.00 | 100.00(a) |  |
| 17.709                          | 17.709 | (1.181)  | 95    | 18237    |                 |                | 0.00-        | 30.00  | 32.21     |  |
| 17.709                          | 17.709 | (1.181)  | 63    | 46241    |                 |                | 0.00-        | 30.00  | 81.68     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 127 Nonane                      |        |          |       |          |                 | CAS #:         | 111-84-2     |        |           |  |
| 15.331                          | 15.331 | (1.022)  | 43    | 93358    | 2.00000         | 1.739          | 80.00-       | 120.00 | 100.00(a) |  |
| 15.331                          | 15.331 | (1.022)  | 57    | 72038    |                 |                | 0.00-        | 30.00  | 77.16     |  |
| 15.331                          | 15.331 | (1.022)  | 85    | 24957    |                 |                | 0.00-        | 30.00  | 26.73     |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |
| 193 Cyclopentane                |        |          |       |          |                 | CAS #:         | 287-92-3     |        |           |  |
| 5.432                           | 5.405  | (0.672)  | 70    | 13821    | 2.00000         | 1.826          | 80.00-       | 120.00 | 100.00(a) |  |
| 5.432                           | 5.405  | (0.672)  | 55    | 22076    |                 |                | 0.00-        | 30.00  | 159.73    |  |
| -----                           |        |          |       |          |                 |                |              |        |           |  |

QC Flag Legend

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

Report Date: 11-Apr-2008 15:45

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041006.d

Calibration Time: 14:19

Lab Smp Id: Sp ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 2.0ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 225889   | 135533     | 316245  | 219542  | -2.81 |
| 92 1,4-Difluorobenze | 1007938  | 604763     | 1411113 | 1020354 | 1.23  |
| 125 Chlorobenzene-d5 | 1095270  | 657162     | 1533378 | 1076155 | -1.75 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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/msd5.1/5-10apr.b/5041006.d

Date: 10-APR-2008 11:52

Client ID: Level 3

Sample Info: 2.0mL #1576-319

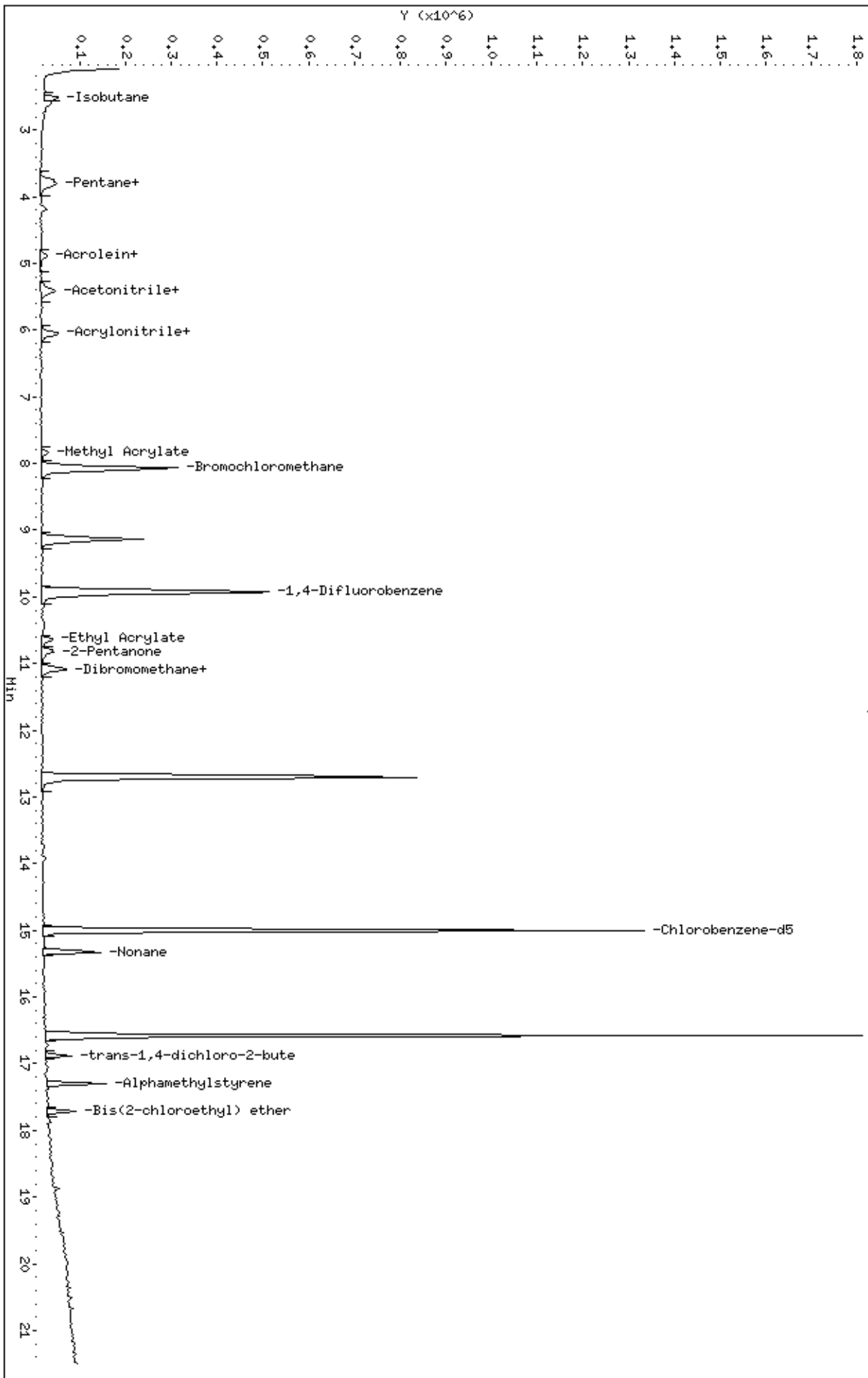
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-10apr.b/5041006.d





Report Date: 10-Apr-2008 14:03

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041002.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 3  
 Inj Date : 10-APR-2008 08:53  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 2.0mL #1576-341  
 Misc Info : 200ppbv -> 2.0ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 14:03 sscott Quant Type: ISTD  
 Cal Date : 10-APR-2008 08:53 Cal File: 5041002.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp35a.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     |
| ==                                       | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====     |
| * 71 Bromochloromethane CAS #: 74-97-5   |        |          |       |          |         |         |        |                |           |
| 8.087                                    | 8.087  | (1.000)  | 130   | 300504   | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 8.087                                    | 8.087  | (1.000)  | 128   | 233283   |         |         |        | 45.96- 105.96  | 77.63     |
| 8.087                                    | 8.087  | (1.000)  | 49    | 588294   |         |         |        | 166.24- 226.24 | 195.77    |
| -----                                    |        |          |       |          |         |         |        |                |           |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3 |        |          |       |          |         |         |        |                |           |
| 9.939                                    | 9.939  | (1.000)  | 114   | 1286435  | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 9.939                                    | 9.939  | (1.000)  | 88    | 196954   |         |         |        | 0.00- 45.19    | 15.31     |
| -----                                    |        |          |       |          |         |         |        |                |           |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4  |        |          |       |          |         |         |        |                |           |
| 14.999                                   | 14.999 | (1.000)  | 117   | 1352464  | 25.0000 |         |        | 70.00- 130.00  | 100.00    |
| 14.999                                   | 14.999 | (1.000)  | 82    | 672057   |         |         |        | 0.00- 30.00    | 49.69     |
| -----                                    |        |          |       |          |         |         |        |                |           |
| 1 Freon134a CAS #: 811-97-2              |        |          |       |          |         |         |        |                |           |
| 2.225                                    | 2.225  | (0.275)  | 83    | 22612    | 2.00000 | 1.897   |        | 70.00- 130.00  | 100.00(a) |
| 2.225                                    | 2.225  | (0.275)  | 69    | 88148    |         |         |        | 0.00- 30.00    | 389.83    |
| -----                                    |        |          |       |          |         |         |        |                |           |
| 3 Freon 152a CAS #: 75-37-6              |        |          |       |          |         |         |        |                |           |
| 2.308                                    | 2.308  | (0.285)  | 65    | 17141    | 2.00000 | 1.840   |        | 70.00- 130.00  | 100.00(a) |
| 2.363                                    | 2.363  | (0.292)  | 51    | 97712    |         |         |        | 0.00- 30.00    | 570.05    |
| -----                                    |        |          |       |          |         |         |        |                |           |

| AMOUNTS                       |        |          |       |          |                 |                 |               |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO     |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====     |  |
| 4 Freon 22                    |        |          |       |          |                 | CAS #: 75-45-6  |               |           |  |
| 2.363                         | 2.363  | (0.292)  | 67    | 6254     | 2.00000         | 1.889           | 70.00- 130.00 | 100.00(a) |  |
| 2.363                         | 2.363  | (0.292)  | 51    | 97712    |                 |                 | 0.00- 30.00   | 1562.39   |  |
| 5 Freon142b                   |        |          |       |          |                 | CAS #: 75-68-3  |               |           |  |
| 2.584                         | 2.584  | (0.320)  | 65    | 49620    | 2.00000         | 1.786           | 70.00- 130.00 | 100.00(a) |  |
| 2.612                         | 2.612  | (0.323)  | 45    | 27285    |                 |                 | 0.00- 30.00   | 54.99     |  |
| 16 Dichlorofluoromethane/Fr21 |        |          |       |          |                 | CAS #: 75-43-4  |               |           |  |
| 3.773                         | 3.773  | (0.467)  | 67    | 39585    | 2.00000         | 1.776           | 70.00- 130.00 | 100.00(a) |  |
| 3.801                         | 3.801  | (0.470)  | 69    | 13948    |                 |                 | 0.00- 30.00   | 35.24     |  |
| 3.829                         | 3.829  | (0.473)  | 35    | 1219     |                 |                 | 0.00- 30.00   | 3.08      |  |
| 22 Freon123a                  |        |          |       |          |                 | CAS #: 354-23-4 |               |           |  |
| 4.299                         | 4.299  | (0.532)  | 117   | 19340    | 2.00000         | 1.773           | 70.00- 130.00 | 100.00(a) |  |
| 4.326                         | 4.326  | (0.535)  | 67    | 27585    |                 |                 | 0.00- 30.00   | 142.63    |  |
| 24 Freon123                   |        |          |       |          |                 | CAS #: 306-83-2 |               |           |  |
| 4.437                         | 4.437  | (0.549)  | 83    | 4749     | 2.00000         | 2.018           | 70.00- 130.00 | 100.00(T) |  |
| 0.000                         | 1.000  | (0.000)  | 133   | 0        |                 |                 | 0.00- 30.00   | 0.00      |  |
| 4.437                         | 4.437  | (0.549)  | 85    | 3332     |                 |                 | 0.00- 30.00   | 70.16     |  |
| 49 Isopropyl ether            |        |          |       |          |                 | CAS #: 108-20-3 |               |           |  |
| 6.621                         | 6.621  | (0.819)  | 45    | 130260   | 2.00000         | 1.665           | 70.00- 130.00 | 100.00(a) |  |
| 6.621                         | 6.621  | (0.819)  | 87    | 23986    |                 |                 | 0.00- 30.00   | 18.41     |  |
| 6.621                         | 6.621  | (0.819)  | 59    | 13485    |                 |                 | 0.00- 30.00   | 10.35     |  |
| 57 Ethyl-tert-butyl Ether     |        |          |       |          |                 | CAS #: 637-92-3 |               |           |  |
| 7.229                         | 7.229  | (0.894)  | 59    | 61586    | 2.00000         | 1.438           | 70.00- 130.00 | 100.00(a) |  |
| 7.229                         | 7.229  | (0.894)  | 87    | 25194    |                 |                 | 0.00- 30.00   | 40.91     |  |
| 7.229                         | 7.229  | (0.894)  | 41    | 19389    |                 |                 | 0.00- 30.00   | 31.48     |  |
| 61 Ethyl Acetate              |        |          |       |          |                 | CAS #: 141-78-6 |               |           |  |
| 7.755                         | 7.755  | (0.959)  | 70    | 5313     | 2.00000         | 1.430           | 70.00- 130.00 | 100.00(a) |  |
| 7.755                         | 7.755  | (0.959)  | 43    | 85421    |                 |                 | 0.00- 30.00   | 1607.77   |  |
| 7.755                         | 7.755  | (0.959)  | 61    | 11027    |                 |                 | 0.00- 30.00   | 207.55    |  |
| 64 1-Propanol                 |        |          |       |          |                 | CAS #: 71-23-8  |               |           |  |
| 6.842                         | 6.842  | (0.846)  | 42    | 9707     | 2.00000         | 1.954           | 70.00- 130.00 | 100.00(a) |  |
| 6.870                         | 6.870  | (0.850)  | 59    | 4932     |                 |                 | 0.00- 30.00   | 50.81     |  |
| 6.870                         | 6.870  | (0.850)  | 41    | 4769     |                 |                 | 0.00- 30.00   | 49.13     |  |
| 76 Isobutanol                 |        |          |       |          |                 | CAS #: 78-83-1  |               |           |  |
| 9.110                         | 9.110  | (0.917)  | 43    | 37106    | 2.00000         | 1.719           | 70.00- 130.00 | 100.00(a) |  |
| 9.110                         | 9.110  | (0.917)  | 41    | 26587    |                 |                 | 0.00- 30.00   | 71.65     |  |

| AMOUNTS                       |        |          |       |          |                 |                |               |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|---------------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====     |  |
| 78 tert-amyl-Methyl Ether     |        |          |       |          |                 | CAS #:         | 994-05-8      |           |  |
| 9.276                         | 9.276  | (1.147)  | 73    | 70507    | 2.00000         | 1.691          | 70.00- 130.00 | 100.00(a) |  |
| 9.303                         | 9.303  | (1.150)  | 87    | 16515    |                 |                | 0.00- 30.00   | 23.42     |  |
| 9.303                         | 9.303  | (1.150)  | 55    | 24616    |                 |                | 0.00- 30.00   | 34.91     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 91 1-Butanol                  |        |          |       |          |                 | CAS #:         | 71-36-3       |           |  |
| 10.382                        | 10.382 | (1.044)  | 56    | 38407    | 2.00000         | 1.970          | 70.00- 130.00 | 100.00(a) |  |
| 10.382                        | 10.382 | (1.044)  | 41    | 26862    |                 |                | 0.00- 30.00   | 69.94     |  |
| 10.382                        | 10.382 | (1.044)  | 43    | 20855    |                 |                | 0.00- 30.00   | 54.30     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 118 Butyl Acetate             |        |          |       |          |                 | CAS #:         | 123-86-4      |           |  |
| 14.197                        | 14.197 | (1.428)  | 56    | 48406    | 2.00000         | 1.781          | 70.00- 130.00 | 100.00(a) |  |
| 14.197                        | 14.197 | (1.428)  | 73    | 13550    |                 |                | 0.00- 30.00   | 27.99     |  |
| 14.197                        | 14.197 | (1.428)  | 43    | 120781   |                 |                | 0.00- 30.00   | 249.52    |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 131 2-Heptanone               |        |          |       |          |                 | CAS #:         | 110-43-0      |           |  |
| 16.105                        | 16.105 | (1.074)  | 58    | 69279    | 2.00000         | 1.782          | 70.00- 130.00 | 100.00(a) |  |
| 16.105                        | 16.105 | (1.074)  | 43    | 122815   |                 |                | 0.00- 30.00   | 177.28    |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 135 Cyclohexanone             |        |          |       |          |                 | CAS #:         | 108-94-1      |           |  |
| 16.520                        | 16.520 | (1.101)  | 55    | 65291    | 2.00000         | 1.944          | 70.00- 130.00 | 100.00(a) |  |
| 16.520                        | 16.520 | (1.101)  | 98    | 22267    |                 |                | 0.00- 30.00   | 34.10     |  |
| 16.520                        | 16.520 | (1.101)  | 42    | 46855    |                 |                | 0.00- 30.00   | 71.76     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 146 Diisobutyl Ketone         |        |          |       |          |                 | CAS #:         | 108-83-8      |           |  |
| 17.211                        | 17.211 | (1.147)  | 57    | 178706   | 2.00000         | 2.008          | 70.00- 130.00 | 100.00    |  |
| 17.211                        | 17.211 | (1.147)  | 85    | 123361   |                 |                | 42.39- 102.39 | 69.03     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 59 1,3-Dichloropropane        |        |          |       |          |                 | CAS #:         | 142-28-9      |           |  |
| 13.921                        | 13.921 | (1.401)  | 76    | 52954    | 2.00000         | 1.694          | 70.00- 130.00 | 100.00(a) |  |
| 13.893                        | 13.893 | (1.398)  | 41    | 47694    |                 |                | 60.28- 120.28 | 90.07     |  |
| 13.921                        | 13.921 | (1.401)  | 78    | 16345    |                 |                | 0.00- 30.00   | 30.87     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 60 2,2-Dichloropropane        |        |          |       |          |                 | CAS #:         | 594-20-7      |           |  |
| 7.589                         | 7.589  | (0.938)  | 77    | 37747    | 2.00000         | 1.542          | 70.00- 130.00 | 100.00(a) |  |
| 7.589                         | 7.589  | (0.938)  | 79    | 15800    |                 |                | 2.05- 62.05   | 41.86     |  |
| 7.589                         | 7.589  | (0.938)  | 97    | 8656     |                 |                | 0.00- 30.00   | 22.93     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 73 1,1-Dichloropropene        |        |          |       |          |                 | CAS #:         | 563-58-6      |           |  |
| 8.750                         | 8.750  | (1.082)  | 110   | 17256    | 2.00000         | 1.738          | 70.00- 130.00 | 100.00(a) |  |
| 8.750                         | 8.750  | (1.082)  | 75    | 41430    |                 |                | 0.00- 30.00   | 240.09    |  |
| -----                         |        |          |       |          |                 |                |               |           |  |
| 123 1,1,1,2-Tetrachloroethane |        |          |       |          |                 | CAS #:         | 630-20-6      |           |  |
| 15.193                        | 15.193 | (1.013)  | 131   | 35303    | 2.00000         | 1.670          | 70.00- 130.00 | 100.00(a) |  |
| 15.193                        | 15.193 | (1.013)  | 117   | 29351    |                 |                | 0.00- 30.00   | 83.14     |  |
| 15.193                        | 15.193 | (1.013)  | 95    | 13874    |                 |                | 0.00- 30.00   | 39.30     |  |
| -----                         |        |          |       |          |                 |                |               |           |  |

| AMOUNTS                    |        |          |       |          |                 |                 |                |           |  |
|----------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|-----------|--|
| RT                         | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO     |  |
| ==                         | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====     |  |
| 137 Bromobenzene           |        |          |       |          |                 | CAS #: 108-86-1 |                |           |  |
| 16.741                     | 16.741 | (1.116)  | 156   | 46360    | 2.00000         | 1.648           | 70.00- 130.00  | 100.00(a) |  |
| 16.741                     | 16.741 | (1.116)  | 77    | 76984    |                 |                 | 129.99- 189.99 | 166.06    |  |
| 16.741                     | 16.741 | (1.116)  | 158   | 47747    |                 |                 | 0.00- 30.00    | 102.99    |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 139 1,2,3-Trichloropropane |        |          |       |          |                 | CAS #: 96-18-4  |                |           |  |
| 16.851                     | 16.851 | (1.123)  | 110   | 23708    | 2.00000         | 1.692           | 70.00- 130.00  | 100.00(a) |  |
| 16.851                     | 16.851 | (1.123)  | 61    | 18874    |                 |                 | 0.00- 30.00    | 79.61     |  |
| 16.851                     | 16.851 | (1.123)  | 112   | 15526    |                 |                 | 0.00- 30.00    | 65.49     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 140 2-Chlorotoluene        |        |          |       |          |                 | CAS #: 95-49-8  |                |           |  |
| 16.962                     | 16.962 | (1.131)  | 126   | 40950    | 2.00000         | 1.728           | 70.00- 130.00  | 100.00(a) |  |
| 16.962                     | 16.962 | (1.131)  | 91    | 117611   |                 |                 | 256.38- 316.38 | 287.21    |  |
| 16.962                     | 16.962 | (1.131)  | 65    | 10090    |                 |                 | 0.00- 30.00    | 24.64     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 143 4-Chlorotoluene        |        |          |       |          |                 | CAS #: 106-43-4 |                |           |  |
| 17.100                     | 17.100 | (1.140)  | 126   | 43178    | 2.00000         | 1.792           | 70.00- 130.00  | 100.00(a) |  |
| 17.100                     | 17.100 | (1.140)  | 91    | 118062   |                 |                 | 249.03- 309.03 | 273.43    |  |
| 17.100                     | 17.100 | (1.140)  | 63    | 12616    |                 |                 | 0.00- 30.00    | 29.22     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 149 tert-Butylbenzene      |        |          |       |          |                 | CAS #: 98-06-6  |                |           |  |
| 17.377                     | 17.377 | (1.159)  | 119   | 159405   | 2.00000         | 1.751           | 70.00- 130.00  | 100.00(a) |  |
| 17.377                     | 17.377 | (1.159)  | 134   | 33209    |                 |                 | 0.00- 53.21    | 20.83     |  |
| 17.377                     | 17.377 | (1.159)  | 91    | 88764    |                 |                 | 0.00- 30.00    | 55.68     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 150 Pentachloroethane      |        |          |       |          |                 | CAS #: 76-01-7  |                |           |  |
| 17.460                     | 17.460 | (1.164)  | 167   | 27259    | 2.00000         | 1.565           | 70.00- 130.00  | 100.00(a) |  |
| 17.432                     | 17.432 | (1.162)  | 117   | 30764    |                 |                 | 0.00- 30.00    | 112.86    |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 151 sec-Butylbenzene       |        |          |       |          |                 | CAS #: 135-98-8 |                |           |  |
| 17.598                     | 17.598 | (1.173)  | 105   | 179497   | 2.00000         | 1.620           | 70.00- 130.00  | 100.00(a) |  |
| 17.598                     | 17.598 | (1.173)  | 134   | 36297    |                 |                 | 0.00- 48.49    | 20.22     |  |
| 17.598                     | 17.598 | (1.173)  | 91    | 26376    |                 |                 | 0.00- 30.00    | 14.69     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 153 p-Cymene               |        |          |       |          |                 | CAS #: 99-87-6  |                |           |  |
| 17.764                     | 17.764 | (1.184)  | 134   | 41964    | 2.00000         | 1.786           | 70.00- 130.00  | 100.00(a) |  |
| 17.764                     | 17.764 | (1.184)  | 119   | 153348   |                 |                 | 349.09- 409.09 | 365.43    |  |
| 17.764                     | 17.764 | (1.184)  | 91    | 30772    |                 |                 | 0.00- 30.00    | 73.33     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 154 1,2,3-Trimethylbenzene |        |          |       |          |                 | CAS #: 526-73-8 |                |           |  |
| 17.875                     | 17.875 | (1.192)  | 120   | 59612    | 2.00000         | 1.732           | 70.00- 130.00  | 100.00(a) |  |
| 17.875                     | 17.875 | (1.192)  | 105   | 130473   |                 |                 | 186.36- 246.36 | 218.87    |  |
| 17.875                     | 17.875 | (1.192)  | 77    | 15038    |                 |                 | 0.00- 30.00    | 25.23     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 158 Butylbenzene           |        |          |       |          |                 | CAS #: 104-51-8 |                |           |  |
| 18.151                     | 18.151 | (1.210)  | 134   | 35195    | 2.00000         | 1.798           | 70.00- 130.00  | 100.00(a) |  |

| AMOUNTS                         |        |          |       |          |                 |                |                |           |  |
|---------------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 158 Butylbenzene (continued)    |        |          |       |          |                 |                |                |           |  |
| 18.123                          | 18.123 | (1.208)  | 91    | 124867   |                 |                | 375.33- 435.33 | 354.79    |  |
| 18.123                          | 18.123 | (1.208)  | 92    | 67999    |                 |                | 0.00- 30.00    | 193.21    |  |
| -----                           |        |          |       |          |                 |                |                |           |  |
| 161 1,2-Dibromo-3-Chloropropane |        |          |       |          |                 | CAS #: 96-12-8 |                |           |  |
| 18.898                          | 18.898 | (1.260)  | 157   | 34090    | 2.00000         | 1.736          | 70.00- 130.00  | 100.00(a) |  |
| 18.870                          | 18.870 | (1.258)  | 75    | 33291    |                 |                | 74.65- 134.65  | 97.66     |  |
| 18.898                          | 18.898 | (1.260)  | 155   | 26366    |                 |                | 0.00- 30.00    | 77.34     |  |
| -----                           |        |          |       |          |                 |                |                |           |  |

### QC Flag Legend

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

Report Date: 10-Apr-2008 14:03

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041002.d

Calibration Time: 09:21

Lab Smp Id: Sp ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 2.0ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 240974   | 144584     | 337364  | 300504  | 24.70 |
| 92 1,4-Difluorobenze | 1048713  | 629228     | 1468198 | 1286435 | 22.67 |
| 125 Chlorobenzene-d5 | 1138308  | 682985     | 1593631 | 1352464 | 18.81 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 0.00  |

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

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

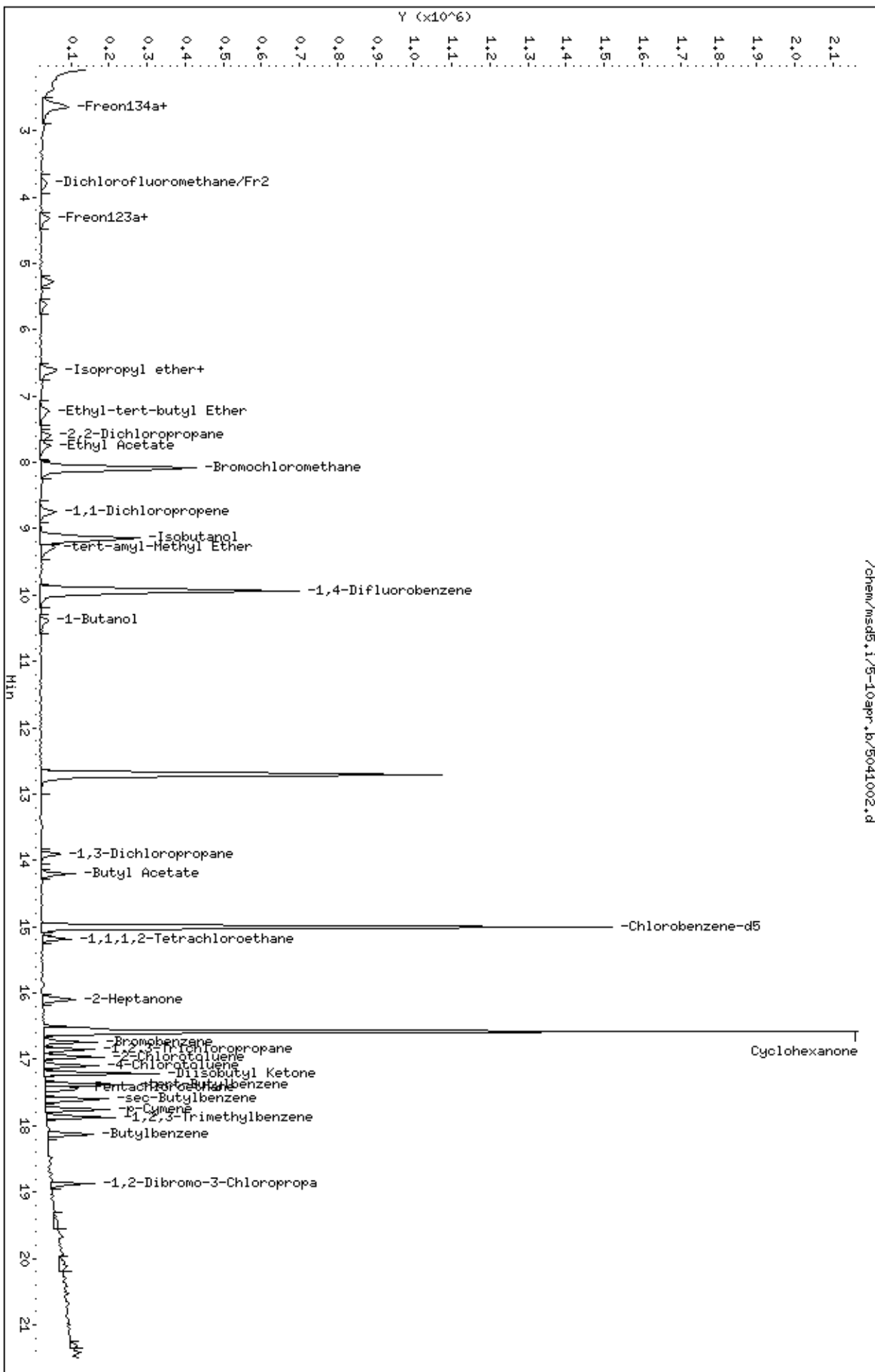
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

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

Data File: /chem/msd5.1/5-10apr.b/5041002.d  
Date: 10-APR-2008 08:53  
Client ID: Level 3  
Sample Info: 2.0mL #1576-341

Column phase: RTX-624

Instrument: msd5.1  
Operator: ct  
Column diameter: 0.53



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040907.d  
 Lab Smp Id: ICAL Client Smp ID: Level 3  
 Inj Date : 09-APR-2008 12:48  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 2.0mL #1576-326  
 Misc Info : 200ppbv -> 2.0ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 12:48 Cal File: 5040907.d  
 Als bottle: 1 Calibration Sample, Level: 3  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08mdl.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable

Local Compound Variable

| AMOUNTS                                       |        |          |       |                 |         |        |                |        |
|---|--------|----------|-------|-----------------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE        | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====           | =====   | =====  | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |                 |         |        |                |        |
| 8.087   | 8.087  | (1.000)  | 130   | 238686 25.0000  |         |        | 70.00- 130.00  | 100.00 |
| 8.087   | 8.087  | (1.000)  | 128   | 187347          |         |        | 48.93- 108.93  | 78.49  |
| 8.059   | 8.059  | (1.000)  | 49    | 491298          |         |        | 174.90- 234.90 | 205.83 |
| -----   |        |          |       |                 |         |        |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |                 |         |        |                |        |
| 9.939   | 9.939  | (1.000)  | 114   | 1089014 25.0000 |         |        | 70.00- 130.00  | 100.00 |
| 9.911   | 9.911  | (1.000)  | 88    | 170278          |         |        | 0.00- 45.06    | 15.64  |
| -----   |        |          |       |                 |         |        |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |                 |         |        |                |        |
| 14.999  | 14.999 | (1.000)  | 117   | 1140006 25.0000 |         |        | 70.00- 130.00  | 100.00 |
| 14.999  | 14.999 | (1.000)  | 82    | 567782          |         |        | 0.00- 30.00    | 49.81  |
| -----   |        |          |       |                 |         |        |                |        |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |                 |         |        |                |        |
| 9.137   | 9.137  | (1.130)  | 65    | 304385 25.0000  | 25.000  |        | 70.00- 130.00  | 100.00 |
| 9.137   | 9.137  | (1.130)  | 67    | 167174          |         |        | 0.00- 30.00    | 54.92  |
| -----   |        |          |       |                 |         |        |                |        |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |                 |         |        |                |        |
| 12.704  | 12.704 | (1.278)  | 98    | 1114858 25.0000 | 25.000  |        | 70.00- 130.00  | 100.00 |
| 12.704  | 12.704 | (1.278)  | 70    | 106955          |         |        | 0.00- 30.00    | 9.59   |



| AMOUNTS                        |        |          |       |          |                 |                 |                |        |  |  |
|--------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                 |                |        |  |  |
| 12.704                         | 12.704 | (1.278)  | 100   | 753989   |                 |                 | 0.00- 30.00    | 67.63  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 460-00-4 |                |        |  |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 679390   | 25.0000         | 25.000          | 70.00- 130.00  | 100.00 |  |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 941947   |                 |                 | 105.46- 165.46 | 138.65 |  |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 643366   |                 |                 | 67.29- 127.29  | 94.70  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 6 Propylene                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 115-07-1 |                |        |  |  |
| 2.280                          | 2.280  | (0.282)  | 41    | 22725    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.280                          | 2.280  | (0.282)  | 42    | 19182    |                 |                 | 0.00- 30.00    | 84.41  |  |  |
| 2.280                          | 2.280  | (0.282)  | 39    | 19686    |                 |                 | 0.00- 30.00    | 86.63  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-71-8  |                |        |  |  |
| 2.308                          | 2.308  | (0.285)  | 85    | 38627    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.336                          | 2.336  | (0.289)  | 87    | 13053    |                 |                 | 0.00- 30.00    | 33.79  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 9 Freon 114                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 76-14-2  |                |        |  |  |
| 2.474                          | 2.474  | (0.306)  | 135   | 34903    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.474                          | 2.474  | (0.306)  | 137   | 11397    |                 |                 | 2.26- 62.26    | 32.65  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 10 Chloromethane               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-87-3  |                |        |  |  |
| 2.640                          | 2.640  | (0.326)  | 50    | 32622    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.612                          | 2.612  | (0.323)  | 52    | 11561    |                 |                 | 0.00- 30.00    | 35.44  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 13 Vinyl Chloride              |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-01-4  |                |        |  |  |
| 2.750                          | 2.750  | (0.340)  | 62    | 25817    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.778                          | 2.778  | (0.344)  | 64    | 10536    |                 |                 | 0.00- 30.00    | 40.81  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 12 1,3-Butadiene               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 106-99-0 |                |        |  |  |
| 2.778                          | 2.778  | (0.344)  | 54    | 22973    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 2.778                          | 2.778  | (0.344)  | 39    | 35301    |                 |                 | 0.00- 30.00    | 153.66 |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 15 Bromomethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-83-9  |                |        |  |  |
| 3.276                          | 3.276  | (0.405)  | 94    | 15420    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 3.276                          | 3.276  | (0.405)  | 96    | 12178    |                 |                 | 64.97- 124.97  | 78.98  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 19 Chloroethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-00-3  |                |        |  |  |
| 3.442                          | 3.442  | (0.426)  | 64    | 9910     | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 3.442                          | 3.442  | (0.426)  | 49    | 3619     |                 |                 | 0.00- 30.00    | 36.52  |  |  |
| 3.442                          | 3.442  | (0.426)  | 66    | 3946     |                 |                 | 0.00- 30.00    | 39.82  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-69-4  |                |        |  |  |
| 3.746                          | 3.746  | (0.463)  | 101   | 41047    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00 |  |  |
| 3.746                          | 3.746  | (0.463)  | 103   | 28747    |                 |                 | 34.72- 94.72   | 70.03  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 4.133                       | 4.133  | (0.511)  | 45    | 14498    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 4.133                       | 4.133  | (0.511)  | 43    | 9378     |                 |                  | 0.00- 30.00    | 64.68  |  |
| 4.160                       | 4.160  | (0.514)  | 46    | 4653     |                 |                  | 0.00- 30.00    | 32.09  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 4.520                       | 4.520  | (0.559)  | 151   | 28121    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 4.520                       | 4.520  | (0.559)  | 153   | 16817    |                 |                  | 34.83- 94.83   | 59.80  |  |
| 4.520                       | 4.520  | (0.559)  | 101   | 36340    |                 |                  | 99.93- 159.93  | 129.23 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 4.575                       | 4.575  | (0.566)  | 61    | 35581    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 4.603                       | 4.603  | (0.569)  | 96    | 21307    |                 |                  | 22.58- 82.58   | 59.88  |  |
| 4.603                       | 4.603  | (0.569)  | 98    | 12434    |                 |                  | 3.77- 63.77    | 34.95  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 4.741                       | 4.741  | (0.586)  | 58    | 13762    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 4.741                       | 4.741  | (0.586)  | 43    | 37022    |                 |                  | 0.00- 30.00    | 269.02 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 4.935                       | 4.935  | (0.610)  | 45    | 54310    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 4.962                       | 4.962  | (0.614)  | 43    | 16492    |                 |                  | 0.00- 30.00    | 30.37  |  |
| 4.935                       | 4.935  | (0.610)  | 59    | 1826     |                 |                  | 0.00- 30.00    | 3.36   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 4.935                       | 4.935  | (0.610)  | 76    | 52933    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 5.211                       | 5.211  | (0.644)  | 76    | 11637    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 5.211                       | 5.211  | (0.644)  | 41    | 45153    |                 |                  | 0.00- 30.00    | 388.01 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 5.460                       | 5.460  | (0.675)  | 49    | 34745    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 5.488                       | 5.488  | (0.679)  | 84    | 20114    |                 |                  | 23.12- 83.12   | 57.89  |  |
| 5.460                       | 5.460  | (0.675)  | 51    | 11867    |                 |                  | 0.00- 30.00    | 34.15  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 5.764                       | 5.764  | (0.713)  | 73    | 25561    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 5.792                       | 5.792  | (0.716)  | 57    | 8165     |                 |                  | 0.50- 60.50    | 31.94  |  |
| 5.792                       | 5.792  | (0.716)  | 41    | 18904    |                 |                  | 0.00- 30.00    | 73.96  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 5.847                       | 5.847  | (0.723)  | 96    | 23610    | 2.00000         | 2.000            | 70.00- 130.00  | 100.00 |  |
| 5.847                       | 5.847  | (0.723)  | 61    | 36778    |                 |                  | 134.04- 194.04 | 155.77 |  |
| 5.847                       | 5.847  | (0.723)  | 98    | 17560    |                 |                  | 0.00- 30.00    | 74.38  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                |         |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|---------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO   |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====   |  |
| 51 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |         |  |
| 6.179                     | 6.179  | (0.764)  | 57    | 48315    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 6.179                     | 6.179  | (0.764)  | 43    | 38370    |                 |                 | 0.00- 30.00    | 79.42   |  |
| 6.179                     | 6.179  | (0.764)  | 86    | 8071     |                 |                 | 0.00- 30.00    | 16.70   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 55 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |         |  |
| 6.621                     | 6.621  | (0.819)  | 63    | 40761    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 6.621                     | 6.621  | (0.819)  | 65    | 16553    |                 |                 | 0.00- 59.38    | 40.61   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 67 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |         |  |
| 7.700                     | 7.700  | (0.952)  | 72    | 11851    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 7.700                     | 7.700  | (0.952)  | 43    | 59063    |                 |                 | 572.61- 632.61 | 498.38  |  |
| 7.700                     | 7.700  | (0.952)  | 57    | 5209     |                 |                 | 0.00- 30.00    | 43.95   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 66 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |         |  |
| 7.644                     | 7.644  | (0.945)  | 61    | 34673    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 7.644                     | 7.644  | (0.945)  | 96    | 28773    |                 |                 | 40.21- 100.21  | 82.98   |  |
| 7.644                     | 7.644  | (0.945)  | 98    | 17884    |                 |                 | 15.96- 75.96   | 51.58   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 70 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |         |  |
| 8.059                     | 8.059  | (0.997)  | 42    | 49794    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 8.059                     | 8.059  | (0.997)  | 71    | 13637    |                 |                 | 0.00- 55.28    | 27.39   |  |
| 8.059                     | 8.059  | (0.997)  | 72    | 14920    |                 |                 | 0.00- 30.00    | 29.96   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 72 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |         |  |
| 8.197                     | 8.197  | (1.014)  | 83    | 37045    | 2.00000         | 1.204           | 70.00- 130.00  | 100.00  |  |
| 8.197                     | 8.197  | (1.014)  | 85    | 27539    |                 |                 | 35.62- 95.62   | 74.34   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 75 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |         |  |
| 8.446                     | 8.446  | (1.044)  | 97    | 35248    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 8.446                     | 8.446  | (1.044)  | 99    | 25759    |                 |                 | 35.49- 95.49   | 73.08   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 74 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |         |  |
| 8.446                     | 8.446  | (1.044)  | 84    | 35640    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 8.418                     | 8.418  | (1.041)  | 56    | 46433    |                 |                 | 127.74- 187.74 | 130.28  |  |
| 8.418                     | 8.418  | (1.041)  | 41    | 27722    |                 |                 | 65.80- 125.80  | 77.78   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 56 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |         |  |
| 6.704                     | 6.704  | (0.829)  | 86    | 5579     | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 6.676                     | 6.676  | (0.826)  | 43    | 76526    |                 |                 | 0.00- 30.00    | 1371.68 |  |
| 6.704                     | 6.704  | (0.829)  | 42    | 8382     |                 |                 | 0.00- 30.00    | 150.24  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 77 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |         |  |
| 8.667                     | 8.667  | (1.072)  | 119   | 33425    | 2.00000         | 2.000           | 70.00- 130.00  | 100.00  |  |
| 8.695                     | 8.695  | (1.075)  | 117   | 34151    |                 |                 | 73.84- 133.84  | 102.17  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |

| AMOUNTS |                         |          |       |          |                 |                |              |        |        |  |
|---------|-------------------------|----------|-------|----------|-----------------|----------------|--------------|--------|--------|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====          | =====        | =====  |        |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #:         | 540-84-1     |        |        |  |
| 9.082   | 9.082                   | (1.123)  | 57    | 155403   | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 9.110   | 9.110                   | (1.127)  | 56    | 51857    |                 |                | 0.00-        | 30.00  | 33.37  |  |
| 9.110   | 9.110                   | (1.127)  | 41    | 41388    |                 |                | 0.00-        | 30.00  | 26.63  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 81      | Benzene                 |          |       |          |                 | CAS #:         | 71-43-2      |        |        |  |
| 9.110   | 9.110                   | (0.917)  | 78    | 78469    | 2.00000         | 1.285          | 70.00-       | 130.00 | 100.00 |  |
| 9.110   | 9.110                   | (0.917)  | 77    | 19148    |                 |                | 0.00-        | 30.00  | 24.40  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #:         | 107-06-2     |        |        |  |
| 9.276   | 9.276                   | (0.933)  | 62    | 28048    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 9.276   | 9.276                   | (0.933)  | 64    | 10791    |                 |                | 0.00-        | 30.00  | 38.47  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 90      | Heptane                 |          |       |          |                 | CAS #:         | 142-82-5     |        |        |  |
| 9.497   | 9.497                   | (0.955)  | 100   | 10114    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 9.497   | 9.497                   | (0.955)  | 43    | 71044    |                 |                | 0.00-        | 30.00  | 702.43 |  |
| 9.497   | 9.497                   | (0.955)  | 71    | 27831    |                 |                | 0.00-        | 30.00  | 275.17 |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #:         | 79-01-6      |        |        |  |
| 10.354  | 10.354                  | (1.042)  | 95    | 30969    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 10.354  | 10.354                  | (1.042)  | 130   | 32034    |                 |                | 75.19-       | 135.19 | 103.44 |  |
| 10.354  | 10.354                  | (1.042)  | 97    | 16794    |                 |                | 35.92-       | 95.92  | 54.23  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #:         | 78-87-5      |        |        |  |
| 10.852  | 10.852                  | (1.092)  | 63    | 30739    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 10.852  | 10.852                  | (1.092)  | 62    | 23159    |                 |                | 42.36-       | 102.36 | 75.34  |  |
| 10.852  | 10.852                  | (1.092)  | 41    | 22019    |                 |                | 36.24-       | 96.24  | 71.63  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #:         | 123-91-1     |        |        |  |
| 11.073  | 11.073                  | (1.114)  | 88    | 20714    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 11.073  | 11.073                  | (1.114)  | 58    | 21406    |                 |                | 55.93-       | 115.93 | 103.34 |  |
| 11.073  | 11.073                  | (1.114)  | 57    | 6367     |                 |                | 0.00-        | 30.00  | 30.74  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #:         | 75-27-4      |        |        |  |
| 11.405  | 11.405                  | (1.147)  | 83    | 42119    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 11.405  | 11.405                  | (1.147)  | 85    | 26424    |                 |                | 34.29-       | 94.29  | 62.74  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #:         | 10061-01-5   |        |        |  |
| 12.317  | 12.317                  | (1.239)  | 75    | 35041    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 12.317  | 12.317                  | (1.239)  | 77    | 14781    |                 |                | 2.88-        | 62.88  | 42.18  |  |
| 12.317  | 12.317                  | (1.239)  | 39    | 28244    |                 |                | 38.55-       | 98.55  | 80.60  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #:         | 108-10-1     |        |        |  |
| 12.621  | 12.621                  | (1.270)  | 58    | 30422    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 12.621  | 12.621                  | (1.270)  | 43    | 103752   |                 |                | 0.00-        | 30.00  | 341.04 |  |
| 12.621  | 12.621                  | (1.270)  | 85    | 13627    |                 |                | 0.00-        | 30.00  | 44.79  |  |
| -----   |                         |          |       |          |                 |                |              |        |        |  |

| AMOUNTS                       |        |          |       |          |                 |                |              |        |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|--------------|--------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====        | =====  |        |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #:         | 108-88-3     |        |        |  |
| 12.815                        | 12.815 | (1.289)  | 91    | 92373    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 12.815                        | 12.815 | (1.289)  | 92    | 54470    |                 |                | 28.92-       | 88.92  | 58.97  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #:         | 10061-02-6   |        |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 33669    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 12089    |                 |                | 2.45-        | 62.45  | 35.91  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 29501    |                 |                | 41.02-       | 101.02 | 87.62  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #:         | 79-00-5      |        |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 31059    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 19290    |                 |                | 33.86-       | 93.86  | 62.11  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 26794    |                 |                | 54.90-       | 114.90 | 86.27  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #:         | 127-18-4     |        |        |  |
| 13.699                        | 13.699 | (0.913)  | 166   | 36410    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 13.699                        | 13.699 | (0.913)  | 129   | 26716    |                 |                | 44.47-       | 104.47 | 73.38  |  |
| 13.699                        | 13.699 | (0.913)  | 131   | 27053    |                 |                | 41.24-       | 101.24 | 74.30  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #:         | 591-78-6     |        |        |  |
| 14.031                        | 14.031 | (0.935)  | 58    | 45741    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 14.031                        | 14.031 | (0.935)  | 43    | 90638    |                 |                | 172.69-      | 232.69 | 198.15 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 9590     |                 |                | 0.00-        | 30.00  | 20.97  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #:         | 124-48-1     |        |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 38518    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 31257    |                 |                | 0.00-        | 30.00  | 81.15  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #:         | 106-93-4     |        |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 46163    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 45846    |                 |                | 65.04-       | 125.04 | 99.31  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #:         | 108-90-7     |        |        |  |
| 15.054                        | 15.054 | (1.004)  | 112   | 73268    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 15.054                        | 15.054 | (1.004)  | 114   | 24685    |                 |                | 2.03-        | 62.03  | 33.69  |  |
| 15.054                        | 15.054 | (1.004)  | 77    | 49027    |                 |                | 26.76-       | 86.76  | 66.91  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #:         | 100-41-4     |        |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 41390    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 119298   |                 |                | 0.00-        | 30.00  | 288.23 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #:         | 108-38-3     |        |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 51817    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 99036    |                 |                | 0.00-        | 30.00  | 191.13 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #:         | 95-47-6      |        |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 50977    | 2.00000         | 2.000          | 70.00-       | 130.00 | 100.00 |  |

| AMOUNTS                       |        |          |       |          |                 |                |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 132 o-Xylene (continued)      |        |          |       |          |                 |                |                |        |  |
| 15.856                        | 15.856 | (1.057)  | 91    | 90845    |                 |                | 169.15- 229.15 | 178.21 |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 133 Styrene                   |        |          |       |          |                 |                |                |        |  |
| 15.911                        | 15.911 | (1.061)  | 104   | 78535    | 2.00000         | 1.378          | 70.00- 130.00  | 100.00 |  |
| 15.911                        | 15.911 | (1.061)  | 78    | 35315    |                 |                | 12.91- 72.91   | 44.97  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 134 Bromoform                 |        |          |       |          |                 |                |                |        |  |
| 16.160                        | 16.160 | (1.077)  | 173   | 35523    | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 16.160                        | 16.160 | (1.077)  | 171   | 17406    |                 |                | 21.95- 81.95   | 49.00  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 141 1,1,2,2-Tetrachloroethane |        |          |       |          |                 |                |                |        |  |
| 16.796                        | 16.796 | (1.120)  | 83    | 72805    | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 16.796                        | 16.796 | (1.120)  | 85    | 45430    |                 |                | 34.75- 94.75   | 62.40  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 144 4-Ethyltoluene            |        |          |       |          |                 |                |                |        |  |
| 16.962                        | 16.962 | (1.131)  | 105   | 141472   | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 16.962                        | 16.962 | (1.131)  | 120   | 48865    |                 |                | 1.07- 61.07    | 34.54  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene    |        |          |       |          |                 |                |                |        |  |
| 17.045                        | 17.045 | (1.136)  | 105   | 129400   | 2.00000         | 1.592          | 70.00- 130.00  | 100.00 |  |
| 17.045                        | 17.045 | (1.136)  | 120   | 67179    |                 |                | 0.00- 30.00    | 51.92  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 152 1,2,4-Trimethylbenzene    |        |          |       |          |                 |                |                |        |  |
| 17.460                        | 17.460 | (1.164)  | 105   | 108828   | 2.00000         | 1.535          | 70.00- 130.00  | 100.00 |  |
| 17.460                        | 17.460 | (1.164)  | 120   | 56923    |                 |                | 18.96- 78.96   | 52.31  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 17.764                        | 17.764 | (1.184)  | 146   | 79379    | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 17.764                        | 17.764 | (1.184)  | 148   | 57646    |                 |                | 0.00- 30.00    | 72.62  |  |
| 17.764                        | 17.764 | (1.184)  | 111   | 29520    |                 |                | 0.00- 30.00    | 37.19  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 17.847                        | 17.847 | (1.190)  | 146   | 81179    | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 17.847                        | 17.847 | (1.190)  | 148   | 56797    |                 |                | 0.00- 30.00    | 69.97  |  |
| 17.847                        | 17.847 | (1.190)  | 111   | 35716    |                 |                | 0.00- 30.00    | 44.00  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 157 alpha-Chlorotoluene       |        |          |       |          |                 |                |                |        |  |
| 17.985                        | 17.985 | (1.199)  | 91    | 109552   | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 17.985                        | 17.985 | (1.199)  | 126   | 22640    |                 |                | 0.00- 30.00    | 20.67  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 159 1,2-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 18.206                        | 18.206 | (1.214)  | 146   | 86815    | 2.00000         | 2.000          | 70.00- 130.00  | 100.00 |  |
| 18.206                        | 18.206 | (1.214)  | 148   | 53008    |                 |                | 33.15- 93.15   | 61.06  |  |
| 18.206                        | 18.206 | (1.214)  | 111   | 34371    |                 |                | 7.43- 67.43    | 39.59  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |

| AMOUNTS                                    |        |          |       |          |                 |                |               |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|---------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 163 1,2,4-Trichlorobenzene CAS #: 120-82-1 |        |          |       |          |                 |                |               |        |  |
| 19.506                                     | 19.506 | (1.300)  | 180   | 58791    | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 19.506                                     | 19.506 | (1.300)  | 182   | 56384    |                 |                | 65.53- 125.53 | 95.91  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 164 Hexachlorobutadiene CAS #: 87-68-3     |        |          |       |          |                 |                |               |        |  |
| 19.589                                     | 19.589 | (1.306)  | 225   | 40099    | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 19.561                                     | 19.561 | (1.304)  | 223   | 27687    |                 |                | 32.61- 92.61  | 69.05  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 142 Propylbenzene CAS #: 103-65-1          |        |          |       |          |                 |                |               |        |  |
| 16.824                                     | 16.824 | (1.122)  | 91    | 162727   | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 16.852                                     | 16.852 | (1.123)  | 120   | 39175    |                 |                | 0.00- 30.00   | 24.07  |  |
| 16.852                                     | 16.852 | (1.123)  | 105   | 7173     |                 |                | 0.00- 30.00   | 4.41   |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 136 Cumene CAS #: 98-82-8                  |        |          |       |          |                 |                |               |        |  |
| 16.326                                     | 16.326 | (1.088)  | 105   | 137988   | 2.00000         | 1.480          | 70.00- 130.00 | 100.00 |  |
| 16.326                                     | 16.326 | (1.088)  | 120   | 42588    |                 |                | 0.00- 30.00   | 30.86  |  |
| 16.326                                     | 16.326 | (1.088)  | 51    | 19020    |                 |                | 0.00- 30.00   | 13.78  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 165 Naphthalene CAS #: 91-20-3             |        |          |       |          |                 |                |               |        |  |
| 19.672                                     | 19.672 | (1.312)  | 128   | 196370   | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 19.672                                     | 19.672 | (1.312)  | 127   | 23893    |                 |                | 0.00- 30.00   | 12.17  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 37 tert-Butyl-Alcohol CAS #: 75-65-0       |        |          |       |          |                 |                |               |        |  |
| 5.598                                      | 5.598  | (0.692)  | 59    | 42457    | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 5.598                                      | 5.598  | (0.692)  | 41    | 12146    |                 |                | 0.00- 30.00   | 28.61  |  |
| 5.598                                      | 5.598  | (0.692)  | 57    | 5735     |                 |                | 0.00- 30.00   | 13.51  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 11 Butane CAS #: 106-97-8                  |        |          |       |          |                 |                |               |        |  |
| 2.695                                      | 2.695  | (0.333)  | 58    | 9142     | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 2.695                                      | 2.695  | (0.333)  | 43    | 69192    |                 |                | 0.00- 30.00   | 756.86 |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 17 Isopentane CAS #: 78-78-4               |        |          |       |          |                 |                |               |        |  |
| 3.414                                      | 3.414  | (0.422)  | 43    | 43042    | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 3.442                                      | 3.442  | (0.426)  | 57    | 25012    |                 |                | 0.00- 30.00   | 58.11  |  |
| 3.414                                      | 3.414  | (0.422)  | 72    | 2898     |                 |                | 0.00- 30.00   | 6.73   |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 94 Methyl Cyclohexane CAS #: 108-87-2      |        |          |       |          |                 |                |               |        |  |
| 10.575                                     | 10.575 | (1.064)  | 83    | 50803    | 2.00000         | 2.000          | 70.00- 130.00 | 100.00 |  |
| 10.575                                     | 10.575 | (1.064)  | 98    | 24994    |                 |                | 0.00- 30.00   | 49.20  |  |
| 10.547                                     | 10.547 | (1.061)  | 55    | 46513    |                 |                | 0.00- 30.00   | 91.56  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040907.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 3

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 2.0ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 238686  | -2.79 |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1089014 | -2.03 |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1140006 | -2.68 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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/msd5.1/5-09apr.lb/5040907.d

Date: 09-APR-2008 12:48

Client ID: Level 3

Sample Info: 2.0ML #1576-326

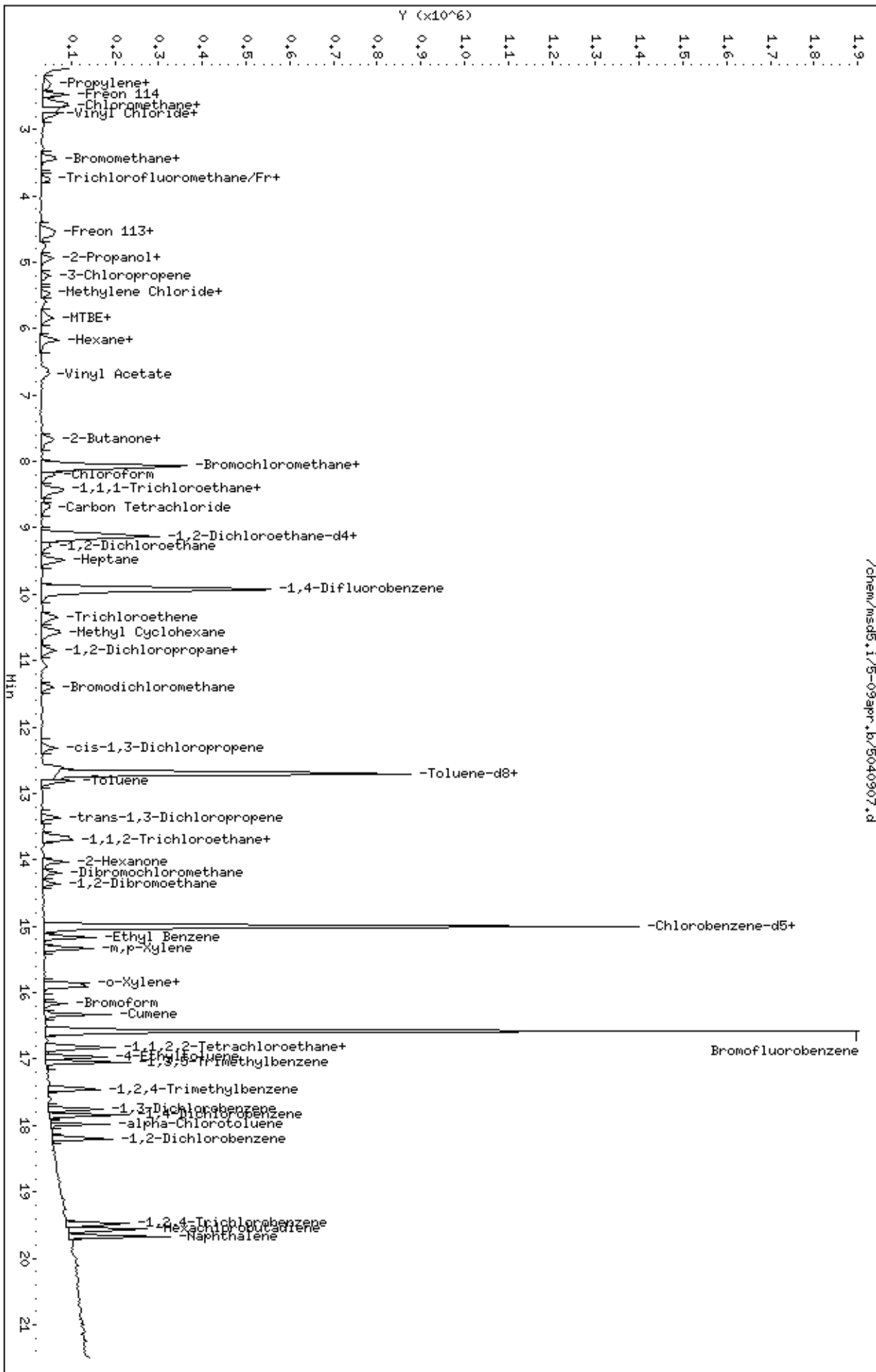
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-09apr.lb/5040907.d



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040908.d  
 Lab Smp Id: ICAL Client Smp ID: Level 4  
 Inj Date : 09-APR-2008 13:15  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 25mL #1576-326  
 Misc Info : 200ppbv -> 25ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 13:15 Cal File: 5040908.d  
 Als bottle: 1 Calibration Sample, Level: 4  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08mdl.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable

Local Compound Variable

| AMOUNTS                                       |        |          |       |         |         |                  |         |                |        |
|---|--------|----------|-------|---------|---------|------------------|---------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | CAL-AMT | ON-COL  | RESPONSE ( PPBV) | ( PPBV) | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====   | =====   | =====            | =====   | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |         |         |                  |         |                |        |
| 8.059   | 8.059  | (1.000)  | 130   | 243717  | 25.0000 |                  |         | 70.00- 130.00  | 100.00 |
| 8.059   | 8.059  | (1.000)  | 128   | 193971  |         |                  |         | 48.93- 108.93  | 79.59  |
| 8.059   | 8.059  | (1.000)  | 49    | 492243  |         |                  |         | 174.90- 234.90 | 201.97 |
| -----   |        |          |       |         |         |                  |         |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |         |         |                  |         |                |        |
| 9.911   | 9.911  | (1.000)  | 114   | 1102019 | 25.0000 |                  |         | 70.00- 130.00  | 100.00 |
| 9.911   | 9.911  | (1.000)  | 88    | 169115  |         |                  |         | 0.00- 45.06    | 15.35  |
| -----   |        |          |       |         |         |                  |         |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |         |         |                  |         |                |        |
| 14.999  | 14.999 | (1.000)  | 117   | 1164805 | 25.0000 |                  |         | 70.00- 130.00  | 100.00 |
| 14.999  | 14.999 | (1.000)  | 82    | 596305  |         |                  |         | 0.00- 30.00    | 51.19  |
| -----   |        |          |       |         |         |                  |         |                |        |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |         |         |                  |         |                |        |
| 9.137   | 9.137  | (1.134)  | 65    | 317817  | 25.0000 | 25.279           |         | 70.00- 130.00  | 100.00 |
| 9.137   | 9.137  | (1.134)  | 67    | 183873  |         |                  |         | 0.00- 30.00    | 57.85  |
| -----   |        |          |       |         |         |                  |         |                |        |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |         |         |                  |         |                |        |
| 12.704  | 12.704 | (1.282)  | 98    | 1157349 | 25.0000 | 25.319           |         | 70.00- 130.00  | 100.00 |
| 12.704  | 12.704 | (1.282)  | 70    | 105757  |         |                  |         | 0.00- 30.00    | 9.14   |

| AMOUNTS                        |        |          |       |          |                 |                 |                |        |  |  |
|--------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                 |                |        |  |  |
| 12.704                         | 12.704 | (1.282)  | 100   | 782283   |                 |                 | 0.00- 30.00    | 67.59  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 460-00-4 |                |        |  |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 704753   | 25.0000         | 25.189          | 70.00- 130.00  | 100.00 |  |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 961232   |                 |                 | 105.46- 165.46 | 136.39 |  |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 673517   |                 |                 | 67.29- 127.29  | 95.57  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 6 Propylene                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 115-07-1 |                |        |  |  |
| 2.253                          | 2.253  | (0.280)  | 41    | 414389   | 25.0000         | 29.413          | 70.00- 130.00  | 100.00 |  |  |
| 2.253                          | 2.253  | (0.280)  | 42    | 288271   |                 |                 | 0.00- 30.00    | 69.57  |  |  |
| 2.253                          | 2.253  | (0.280)  | 39    | 309859   |                 |                 | 0.00- 30.00    | 74.77  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-71-8  |                |        |  |  |
| 2.308                          | 2.308  | (0.286)  | 85    | 675407   | 25.0000         | 28.902          | 70.00- 130.00  | 100.00 |  |  |
| 2.335                          | 2.335  | (0.290)  | 87    | 227822   |                 |                 | 0.00- 30.00    | 33.73  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 9 Freon 114                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 76-14-2  |                |        |  |  |
| 2.446                          | 2.446  | (0.304)  | 135   | 615216   | 25.0000         | 29.000          | 70.00- 130.00  | 100.00 |  |  |
| 2.446                          | 2.446  | (0.304)  | 137   | 194028   |                 |                 | 2.26- 62.26    | 31.54  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 10 Chloromethane               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-87-3  |                |        |  |  |
| 2.584                          | 2.584  | (0.321)  | 50    | 553644   | 25.0000         | 28.538          | 70.00- 130.00  | 100.00 |  |  |
| 2.557                          | 2.557  | (0.317)  | 52    | 158283   |                 |                 | 0.00- 30.00    | 28.59  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 13 Vinyl Chloride              |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-01-4  |                |        |  |  |
| 2.750                          | 2.750  | (0.341)  | 62    | 453054   | 25.0000         | 28.946          | 70.00- 130.00  | 100.00 |  |  |
| 2.750                          | 2.750  | (0.341)  | 64    | 141150   |                 |                 | 0.00- 30.00    | 31.16  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 12 1,3-Butadiene               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 106-99-0 |                |        |  |  |
| 2.750                          | 2.750  | (0.341)  | 54    | 445342   | 25.0000         | 30.149          | 70.00- 130.00  | 100.00 |  |  |
| 2.750                          | 2.750  | (0.341)  | 39    | 559127   |                 |                 | 0.00- 30.00    | 125.55 |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 15 Bromomethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-83-9  |                |        |  |  |
| 3.276                          | 3.276  | (0.406)  | 94    | 253163   | 25.0000         | 28.131          | 70.00- 130.00  | 100.00 |  |  |
| 3.276                          | 3.276  | (0.406)  | 96    | 233331   |                 |                 | 64.97- 124.97  | 92.17  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 19 Chloroethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-00-3  |                |        |  |  |
| 3.386                          | 3.386  | (0.420)  | 64    | 235096   | 25.0000         | 32.509          | 70.00- 130.00  | 100.00 |  |  |
| 3.386                          | 3.386  | (0.420)  | 49    | 81330    |                 |                 | 0.00- 30.00    | 34.59  |  |  |
| 3.386                          | 3.386  | (0.420)  | 66    | 66651    |                 |                 | 0.00- 30.00    | 28.35  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-69-4  |                |        |  |  |
| 3.718                          | 3.718  | (0.461)  | 101   | 787065   | 25.0000         | 30.018          | 70.00- 130.00  | 100.00 |  |  |
| 3.718                          | 3.718  | (0.461)  | 103   | 503771   |                 |                 | 34.72- 94.72   | 64.01  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 4.077                       | 4.077  | (0.506)  | 45    | 207256   | 25.0000         | 26.415           | 70.00- 130.00  | 100.00 |  |
| 4.077                       | 4.077  | (0.506)  | 43    | 44174    |                 |                  | 0.00- 30.00    | 21.31  |  |
| 4.077                       | 4.077  | (0.506)  | 46    | 83605    |                 |                  | 0.00- 30.00    | 40.34  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 4.520                       | 4.520  | (0.561)  | 151   | 511759   | 25.0000         | 29.388           | 70.00- 130.00  | 100.00 |  |
| 4.520                       | 4.520  | (0.561)  | 153   | 318227   |                 |                  | 34.83- 94.83   | 62.18  |  |
| 4.520                       | 4.520  | (0.561)  | 101   | 646108   |                 |                  | 99.93- 159.93  | 126.25 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 4.575                       | 4.575  | (0.568)  | 61    | 649228   | 25.0000         | 29.420           | 70.00- 130.00  | 100.00 |  |
| 4.575                       | 4.575  | (0.568)  | 96    | 350177   |                 |                  | 22.58- 82.58   | 53.94  |  |
| 4.575                       | 4.575  | (0.568)  | 98    | 224449   |                 |                  | 3.77- 63.77    | 34.57  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 4.713                       | 4.713  | (0.585)  | 58    | 224959   | 25.0000         | 28.077           | 70.00- 130.00  | 100.00 |  |
| 4.713                       | 4.713  | (0.585)  | 43    | 838908   |                 |                  | 0.00- 30.00    | 372.92 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 4.935                       | 4.935  | (0.612)  | 45    | 1004421  | 25.0000         | 29.583           | 70.00- 130.00  | 100.00 |  |
| 4.935                       | 4.935  | (0.612)  | 43    | 239532   |                 |                  | 0.00- 30.00    | 23.85  |  |
| 4.935                       | 4.935  | (0.612)  | 59    | 30583    |                 |                  | 0.00- 30.00    | 3.04   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 4.907                       | 4.907  | (0.609)  | 76    | 1039652  | 25.0000         | 30.306           | 70.00- 130.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 5.183                       | 5.183  | (0.643)  | 76    | 185091   | 25.0000         | 27.740           | 70.00- 130.00  | 100.00 |  |
| 5.183                       | 5.183  | (0.643)  | 41    | 779940   |                 |                  | 0.00- 30.00    | 421.38 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 5.432                       | 5.432  | (0.674)  | 49    | 590751   | 25.0000         | 28.560           | 70.00- 130.00  | 100.00 |  |
| 5.460                       | 5.460  | (0.677)  | 84    | 312723   |                 |                  | 23.12- 83.12   | 52.94  |  |
| 5.432                       | 5.432  | (0.674)  | 51    | 174210   |                 |                  | 0.00- 30.00    | 29.49  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 5.764                       | 5.764  | (0.715)  | 73    | 673633   | 25.0000         | 33.686           | 70.00- 130.00  | 100.00 |  |
| 5.764                       | 5.764  | (0.715)  | 57    | 205002   |                 |                  | 0.50- 60.50    | 30.43  |  |
| 5.764                       | 5.764  | (0.715)  | 41    | 225789   |                 |                  | 0.00- 30.00    | 33.52  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 5.819                       | 5.819  | (0.722)  | 96    | 415239   | 25.0000         | 28.973           | 70.00- 130.00  | 100.00 |  |
| 5.819                       | 5.819  | (0.722)  | 61    | 666654   |                 |                  | 134.04- 194.04 | 160.55 |  |
| 5.819                       | 5.819  | (0.722)  | 98    | 271166   |                 |                  | 0.00- 30.00    | 65.30  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                |         |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|---------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO   |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====   |  |
| 51 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |         |  |
| 6.151                     | 6.151  | (0.763)  | 57    | 906369   | 25.0000         | 29.755          | 70.00- 130.00  | 100.00  |  |
| 6.151                     | 6.151  | (0.763)  | 43    | 647726   |                 |                 | 0.00- 30.00    | 71.46   |  |
| 6.151                     | 6.151  | (0.763)  | 86    | 126720   |                 |                 | 0.00- 30.00    | 13.98   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 55 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |         |  |
| 6.593                     | 6.593  | (0.818)  | 63    | 799097   | 25.0000         | 30.284          | 70.00- 130.00  | 100.00  |  |
| 6.593                     | 6.593  | (0.818)  | 65    | 230722   |                 |                 | 0.00- 59.38    | 28.87   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 67 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |         |  |
| 7.672                     | 7.672  | (0.952)  | 72    | 212170   | 25.0000         | 29.190          | 70.00- 130.00  | 100.00  |  |
| 7.672                     | 7.672  | (0.952)  | 43    | 1243079  |                 |                 | 572.61- 632.61 | 585.89  |  |
| 7.672                     | 7.672  | (0.952)  | 57    | 86154    |                 |                 | 0.00- 30.00    | 40.61   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 66 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |         |  |
| 7.617                     | 7.617  | (0.945)  | 61    | 614584   | 25.0000         | 29.068          | 70.00- 130.00  | 100.00  |  |
| 7.617                     | 7.617  | (0.945)  | 96    | 435323   |                 |                 | 40.21- 100.21  | 70.83   |  |
| 7.617                     | 7.617  | (0.945)  | 98    | 282807   |                 |                 | 15.96- 75.96   | 46.02   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 70 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |         |  |
| 8.031                     | 8.031  | (0.997)  | 42    | 748119   | 25.0000         | 27.034          | 70.00- 130.00  | 100.00  |  |
| 8.031                     | 8.031  | (0.997)  | 71    | 191756   |                 |                 | 0.00- 55.28    | 25.63   |  |
| 8.031                     | 8.031  | (0.997)  | 72    | 219574   |                 |                 | 0.00- 30.00    | 29.35   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 72 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |         |  |
| 8.197                     | 8.197  | (1.017)  | 83    | 729470   | 25.0000         | 23.788          | 70.00- 130.00  | 100.00  |  |
| 8.197                     | 8.197  | (1.017)  | 85    | 476001   |                 |                 | 35.62- 95.62   | 65.25   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 75 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |         |  |
| 8.446                     | 8.446  | (1.048)  | 97    | 730348   | 25.0000         | 30.941          | 70.00- 130.00  | 100.00  |  |
| 8.446                     | 8.446  | (1.048)  | 99    | 453468   |                 |                 | 35.49- 95.49   | 62.09   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 74 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |         |  |
| 8.418                     | 8.418  | (1.045)  | 84    | 590995   | 25.0000         | 28.253          | 70.00- 130.00  | 100.00  |  |
| 8.418                     | 8.418  | (1.045)  | 56    | 938244   |                 |                 | 127.74- 187.74 | 158.76  |  |
| 8.418                     | 8.418  | (1.045)  | 41    | 583474   |                 |                 | 65.80- 125.80  | 98.73   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 56 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |         |  |
| 6.676                     | 6.676  | (0.828)  | 86    | 115531   | 25.0000         | 30.934          | 70.00- 130.00  | 100.00  |  |
| 6.649                     | 6.649  | (0.825)  | 43    | 1599815  |                 |                 | 0.00- 30.00    | 1384.75 |  |
| 6.649                     | 6.649  | (0.825)  | 42    | 126013   |                 |                 | 0.00- 30.00    | 109.07  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 77 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |         |  |
| 8.667                     | 8.667  | (1.075)  | 119   | 646070   | 25.0000         | 30.114          | 70.00- 130.00  | 100.00  |  |
| 8.667                     | 8.667  | (1.075)  | 117   | 664650   |                 |                 | 73.84- 133.84  | 102.88  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |

| AMOUNTS |                         |          |       |          |                 |                   |               |        |  |  |
|---------|-------------------------|----------|-------|----------|-----------------|-------------------|---------------|--------|--|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE  | RATIO  |  |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====             | =====         | =====  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #: 540-84-1   |               |        |  |  |
| 9.082   | 9.082                   | (1.127)  | 57    | 2848718  | 25.0000         | 29.476            | 70.00- 130.00 | 100.00 |  |  |
| 9.082   | 9.082                   | (1.127)  | 56    | 922574   |                 |                   | 0.00- 30.00   | 32.39  |  |  |
| 9.082   | 9.082                   | (1.127)  | 41    | 779542   |                 |                   | 0.00- 30.00   | 27.36  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 81      | Benzene                 |          |       |          |                 | CAS #: 71-43-2    |               |        |  |  |
| 9.082   | 9.082                   | (0.916)  | 78    | 1375463  | 25.0000         | 23.099            | 70.00- 130.00 | 100.00 |  |  |
| 9.082   | 9.082                   | (0.916)  | 77    | 330623   |                 |                   | 0.00- 30.00   | 24.04  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #: 107-06-2   |               |        |  |  |
| 9.275   | 9.275                   | (0.936)  | 62    | 544734   | 25.0000         | 30.279            | 70.00- 130.00 | 100.00 |  |  |
| 9.275   | 9.275                   | (0.936)  | 64    | 165958   |                 |                   | 0.00- 30.00   | 30.47  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 90      | Heptane                 |          |       |          |                 | CAS #: 142-82-5   |               |        |  |  |
| 9.497   | 9.497                   | (0.958)  | 100   | 167533   | 25.0000         | 28.350            | 70.00- 130.00 | 100.00 |  |  |
| 9.469   | 9.469                   | (0.955)  | 43    | 1248147  |                 |                   | 0.00- 30.00   | 745.02 |  |  |
| 9.497   | 9.497                   | (0.958)  | 71    | 497356   |                 |                   | 0.00- 30.00   | 296.87 |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #: 79-01-6    |               |        |  |  |
| 10.326  | 10.326                  | (1.042)  | 95    | 558258   | 25.0000         | 29.382            | 70.00- 130.00 | 100.00 |  |  |
| 10.326  | 10.326                  | (1.042)  | 130   | 566693   |                 |                   | 75.19- 135.19 | 101.51 |  |  |
| 10.326  | 10.326                  | (1.042)  | 97    | 363547   |                 |                   | 35.92- 95.92  | 65.12  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #: 78-87-5    |               |        |  |  |
| 10.852  | 10.852                  | (1.095)  | 63    | 555939   | 25.0000         | 29.422            | 70.00- 130.00 | 100.00 |  |  |
| 10.852  | 10.852                  | (1.095)  | 62    | 402232   |                 |                   | 42.36- 102.36 | 72.35  |  |  |
| 10.852  | 10.852                  | (1.095)  | 41    | 363422   |                 |                   | 36.24- 96.24  | 65.37  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #: 123-91-1   |               |        |  |  |
| 11.073  | 11.073                  | (1.117)  | 88    | 350948   | 25.0000         | 28.627            | 70.00- 130.00 | 100.00 |  |  |
| 11.073  | 11.073                  | (1.117)  | 58    | 298406   |                 |                   | 55.93- 115.93 | 85.03  |  |  |
| 11.073  | 11.073                  | (1.117)  | 57    | 88126    |                 |                   | 0.00- 30.00   | 25.11  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #: 75-27-4    |               |        |  |  |
| 11.405  | 11.405                  | (1.151)  | 83    | 761578   | 25.0000         | 29.419            | 70.00- 130.00 | 100.00 |  |  |
| 11.405  | 11.405                  | (1.151)  | 85    | 491752   |                 |                   | 34.29- 94.29  | 64.57  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #: 10061-01-5 |               |        |  |  |
| 12.317  | 12.317                  | (1.243)  | 75    | 690130   | 25.0000         | 30.446            | 70.00- 130.00 | 100.00 |  |  |
| 12.317  | 12.317                  | (1.243)  | 77    | 215003   |                 |                   | 2.88- 62.88   | 31.15  |  |  |
| 12.317  | 12.317                  | (1.243)  | 39    | 480138   |                 |                   | 38.55- 98.55  | 69.57  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #: 108-10-1   |               |        |  |  |
| 12.593  | 12.593                  | (1.271)  | 58    | 541139   | 25.0000         | 29.220            | 70.00- 130.00 | 100.00 |  |  |
| 12.593  | 12.593                  | (1.271)  | 43    | 1509982  |                 |                   | 0.00- 30.00   | 279.04 |  |  |
| 12.593  | 12.593                  | (1.271)  | 85    | 197348   |                 |                   | 0.00- 30.00   | 36.47  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |        |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 1627333  | 25.0000         | 29.103            | 70.00- 130.00  | 100.00 |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 976831   |                 |                   | 28.92- 88.92   | 60.03  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 644342   | 25.0000         | 29.987            | 70.00- 130.00  | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 208030   |                 |                   | 2.45- 62.45    | 32.29  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 459219   |                 |                   | 41.02- 101.02  | 71.27  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 562827   | 25.0000         | 29.329            | 70.00- 130.00  | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 347978   |                 |                   | 33.86- 93.86   | 61.83  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 470221   |                 |                   | 54.90- 114.90  | 83.55  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |        |  |
| 13.699                        | 13.699 | (0.913)  | 166   | 684916   | 25.0000         | 29.780            | 70.00- 130.00  | 100.00 |  |
| 13.699                        | 13.699 | (0.913)  | 129   | 511377   |                 |                   | 44.47- 104.47  | 74.66  |  |
| 13.699                        | 13.699 | (0.913)  | 131   | 502992   |                 |                   | 41.24- 101.24  | 73.44  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |        |  |
| 14.004                        | 14.004 | (0.934)  | 58    | 751860   | 25.0000         | 28.137            | 70.00- 130.00  | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 1533138  |                 |                   | 172.69- 232.69 | 203.91 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 128106   |                 |                   | 0.00- 30.00    | 17.04  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 746841   | 25.0000         | 30.144            | 70.00- 130.00  | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 569811   |                 |                   | 0.00- 30.00    | 76.30  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 866667   | 25.0000         | 29.757            | 70.00- 130.00  | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 813554   |                 |                   | 65.04- 125.04  | 93.87  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |        |  |
| 15.054                        | 15.054 | (1.004)  | 112   | 1312630  | 25.0000         | 29.190            | 70.00- 130.00  | 100.00 |  |
| 15.054                        | 15.054 | (1.004)  | 114   | 421253   |                 |                   | 2.03- 62.03    | 32.09  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 750815   |                 |                   | 26.76- 86.76   | 57.20  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 743595   | 25.0000         | 29.224            | 70.00- 130.00  | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 2210796  |                 |                   | 0.00- 30.00    | 297.31 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 933577   | 25.0000         | 29.259            | 70.00- 130.00  | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 1747834  |                 |                   | 0.00- 30.00    | 187.22 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 860923   | 25.0000         | 28.470            | 70.00- 130.00  | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 132 o-Xylene (continued)                     |        |          |       |          |                 |                |                |        |  |
| 15.856                                       | 15.856 | (1.057)  | 91    | 1709874  |                 |                | 169.15- 229.15 | 198.61 |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |        |  |
| 15.911                                       | 15.911 | (1.061)  | 104   | 1416100  | 25.0000         | 24.544         | 70.00- 130.00  | 100.00 |  |
| 15.911                                       | 15.911 | (1.061)  | 78    | 622017   |                 |                | 12.91- 72.91   | 43.92  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |        |  |
| 16.160                                       | 16.160 | (1.077)  | 173   | 692727   | 25.0000         | 30.212         | 70.00- 130.00  | 100.00 |  |
| 16.160                                       | 16.160 | (1.077)  | 171   | 367017   |                 |                | 21.95- 81.95   | 52.98  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |        |  |
| 16.796                                       | 16.796 | (1.120)  | 83    | 1213335  | 25.0000         | 28.307         | 70.00- 130.00  | 100.00 |  |
| 16.796                                       | 16.796 | (1.120)  | 85    | 769726   |                 |                | 34.75- 94.75   | 63.44  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |        |  |
| 16.962                                       | 16.962 | (1.131)  | 105   | 2531446  | 25.0000         | 29.175         | 70.00- 130.00  | 100.00 |  |
| 16.962                                       | 16.962 | (1.131)  | 120   | 780584   |                 |                | 1.07- 61.07    | 30.84  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |        |  |
| 17.045                                       | 17.045 | (1.136)  | 105   | 2226801  | 25.0000         | 26.179         | 70.00- 130.00  | 100.00 |  |
| 17.045                                       | 17.045 | (1.136)  | 120   | 1116828  |                 |                | 0.00- 30.00    | 50.15  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |        |  |
| 17.460                                       | 17.460 | (1.164)  | 105   | 1897034  | 25.0000         | 25.780         | 70.00- 130.00  | 100.00 |  |
| 17.460                                       | 17.460 | (1.164)  | 120   | 934522   |                 |                | 18.96- 78.96   | 49.26  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |        |  |
| 17.764                                       | 17.764 | (1.184)  | 146   | 1245925  | 25.0000         | 27.568         | 70.00- 130.00  | 100.00 |  |
| 17.764                                       | 17.764 | (1.184)  | 148   | 805734   |                 |                | 0.00- 30.00    | 64.67  |  |
| 17.764                                       | 17.764 | (1.184)  | 111   | 472161   |                 |                | 0.00- 30.00    | 37.90  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |        |  |
| 17.847                                       | 17.847 | (1.190)  | 146   | 1499957  | 25.0000         | 29.564         | 70.00- 130.00  | 100.00 |  |
| 17.847                                       | 17.847 | (1.190)  | 148   | 943527   |                 |                | 0.00- 30.00    | 62.90  |  |
| 17.847                                       | 17.847 | (1.190)  | 111   | 602094   |                 |                | 0.00- 30.00    | 40.14  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |                 |                |                |        |  |
| 17.985                                       | 17.985 | (1.199)  | 91    | 2039591  | 25.0000         | 29.656         | 70.00- 130.00  | 100.00 |  |
| 17.985                                       | 17.985 | (1.199)  | 126   | 433155   |                 |                | 0.00- 30.00    | 21.24  |  |
| -----  |        |          |       |          |                 |                |                |        |  |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |                 |                |                |        |  |
| 18.206                                       | 18.206 | (1.214)  | 146   | 1248132  | 25.0000         | 26.478         | 70.00- 130.00  | 100.00 |  |
| 18.206                                       | 18.206 | (1.214)  | 148   | 776503   |                 |                | 33.15- 93.15   | 62.21  |  |
| 18.206                                       | 18.206 | (1.214)  | 111   | 464543   |                 |                | 7.43- 67.43    | 37.22  |  |
| -----  |        |          |       |          |                 |                |                |        |  |



| AMOUNTS                    |        |          |       |          |                 |                 |               |        |  |
|----------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|--------|--|
| RT                         | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO  |  |
| ==                         | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 163 1,2,4-Trichlorobenzene |        |          |       |          |                 | CAS #: 120-82-1 |               |        |  |
| 19.506                     | 19.506 | (1.300)  | 180   | 735438   | 25.0000         | 24.740          | 70.00- 130.00 | 100.00 |  |
| 19.506                     | 19.506 | (1.300)  | 182   | 706828   |                 |                 | 65.53- 125.53 | 96.11  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 164 Hexachlorobutadiene    |        |          |       |          |                 | CAS #: 87-68-3  |               |        |  |
| 19.589                     | 19.589 | (1.306)  | 225   | 555725   | 25.0000         | 26.020          | 70.00- 130.00 | 100.00 |  |
| 19.589                     | 19.589 | (1.306)  | 223   | 336795   |                 |                 | 32.61- 92.61  | 60.60  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 142 Propylbenzene          |        |          |       |          |                 | CAS #: 103-65-1 |               |        |  |
| 16.824                     | 16.824 | (1.122)  | 91    | 2836232  | 25.0000         | 28.855          | 70.00- 130.00 | 100.00 |  |
| 16.851                     | 16.851 | (1.123)  | 120   | 696394   |                 |                 | 0.00- 30.00   | 24.55  |  |
| 16.824                     | 16.824 | (1.122)  | 105   | 99566    |                 |                 | 0.00- 30.00   | 3.51   |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 136 Cumene                 |        |          |       |          |                 | CAS #: 98-82-8  |               |        |  |
| 16.326                     | 16.326 | (1.088)  | 105   | 2457808  | 25.0000         | 25.524          | 70.00- 130.00 | 100.00 |  |
| 16.326                     | 16.326 | (1.088)  | 120   | 692715   |                 |                 | 0.00- 30.00   | 28.18  |  |
| 16.326                     | 16.326 | (1.088)  | 51    | 285950   |                 |                 | 0.00- 30.00   | 11.63  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 165 Naphthalene            |        |          |       |          |                 | CAS #: 91-20-3  |               |        |  |
| 19.672                     | 19.672 | (1.312)  | 128   | 2321174  | 25.0000         | 24.033          | 70.00- 130.00 | 100.00 |  |
| 19.672                     | 19.672 | (1.312)  | 127   | 290492   |                 |                 | 0.00- 30.00   | 12.51  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 37 tert-Butyl-Alcohol      |        |          |       |          |                 | CAS #: 75-65-0  |               |        |  |
| 5.570                      | 5.570  | (0.691)  | 59    | 624314   | 25.0000         | 26.767          | 70.00- 130.00 | 100.00 |  |
| 5.570                      | 5.570  | (0.691)  | 41    | 159030   |                 |                 | 0.00- 30.00   | 25.47  |  |
| 5.570                      | 5.570  | (0.691)  | 57    | 67181    |                 |                 | 0.00- 30.00   | 10.76  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 11 Butane                  |        |          |       |          |                 | CAS #: 106-97-8 |               |        |  |
| 2.667                      | 2.667  | (0.331)  | 58    | 118512   | 25.0000         | 25.194          | 70.00- 130.00 | 100.00 |  |
| 2.667                      | 2.667  | (0.331)  | 43    | 979717   |                 |                 | 0.00- 30.00   | 826.68 |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 17 Isopentane              |        |          |       |          |                 | CAS #: 78-78-4  |               |        |  |
| 3.414                      | 3.414  | (0.424)  | 43    | 725921   | 25.0000         | 28.461          | 70.00- 130.00 | 100.00 |  |
| 3.414                      | 3.414  | (0.424)  | 57    | 426101   |                 |                 | 0.00- 30.00   | 58.70  |  |
| 3.414                      | 3.414  | (0.424)  | 72    | 34389    |                 |                 | 0.00- 30.00   | 4.74   |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |
| 94 Methyl Cyclohexane      |        |          |       |          |                 | CAS #: 108-87-2 |               |        |  |
| 10.547                     | 10.547 | (1.064)  | 83    | 878171   | 25.0000         | 28.872          | 70.00- 130.00 | 100.00 |  |
| 10.547                     | 10.547 | (1.064)  | 98    | 424163   |                 |                 | 0.00- 30.00   | 48.30  |  |
| 10.547                     | 10.547 | (1.064)  | 55    | 869481   |                 |                 | 0.00- 30.00   | 99.01  |  |
| -----                      |        |          |       |          |                 |                 |               |        |  |

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040908.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 4

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 25ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 243717  | -0.74 |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1102019 | -0.86 |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1164805 | -0.56 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

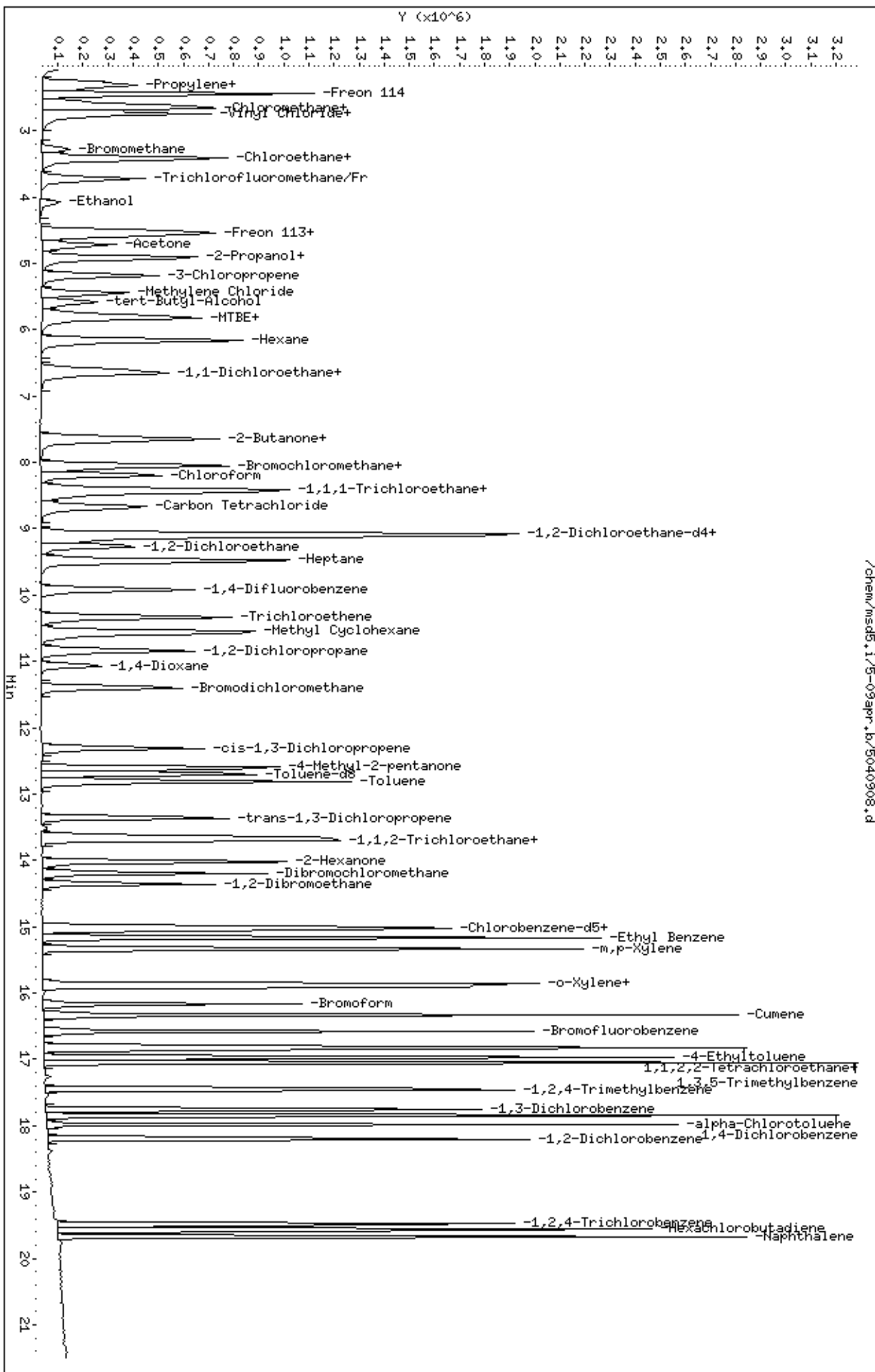
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-09apr.b/5040908.d  
Date: 09-APR-2008 13:15  
Client ID: Level 4  
Sample Info: 25mL #1576-326

Column phase: RTX-624

Instrument: msd5.1  
Operator: ct  
Column diameter: 0.53

/chem/msd5.1/5-09apr.b/5040908.d



Report Date: 11-Apr-2008 15:47

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041007.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 5  
 Inj Date : 10-APR-2008 12:20  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 50mL #1576-319  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 11-Apr-2008 07:33 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:20 Cal File: 5041007.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp19a.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) | ON-COL | TARGET RANGE   | RATIO  |  |
| ==                                       | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====  |  |
| * 71 Bromochloromethane CAS #: 74-97-5   |        |          |       |          |         |        |                |        |  |
| 8.059                                    | 8.059  | (1.000)  | 130   | 226586   | 25.0000 |        | 80.00- 120.00  | 100.00 |  |
| 8.059                                    | 8.059  | (1.000)  | 128   | 176398   |         |        | 45.23- 105.23  | 77.85  |  |
| 8.059                                    | 8.059  | (1.000)  | 49    | 451097   |         |        | 169.46- 229.46 | 199.08 |  |
| -----                                    |        |          |       |          |         |        |                |        |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3 |        |          |       |          |         |        |                |        |  |
| 9.912                                    | 9.912  | (1.000)  | 114   | 995351   | 25.0000 |        | 80.00- 120.00  | 100.00 |  |
| 9.912                                    | 9.912  | (1.000)  | 88    | 150856   |         |        | 0.00- 44.71    | 15.16  |  |
| -----                                    |        |          |       |          |         |        |                |        |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4  |        |          |       |          |         |        |                |        |  |
| 14.999                                   | 14.999 | (1.000)  | 117   | 1081190  | 25.0000 |        | 80.00- 120.00  | 100.00 |  |
| 14.999                                   | 14.999 | (1.000)  | 82    | 546698   |         |        | 0.00- 30.00    | 50.56  |  |
| -----                                    |        |          |       |          |         |        |                |        |  |
| 7 Isobutane CAS #: 75-28-5               |        |          |       |          |         |        |                |        |  |
| 2.474                                    | 2.474  | (0.307)  | 43    | 1779871  | 50.0000 | 50.000 | 80.00- 120.00  | 100.00 |  |
| 2.474                                    | 2.474  | (0.307)  | 42    | 583778   |         |        | 0.00- 30.00    | 32.80  |  |
| 2.474                                    | 2.474  | (0.307)  | 58    | 45549    |         |        | 0.00- 30.00    | 2.56   |  |
| -----                                    |        |          |       |          |         |        |                |        |  |
| 18 Pentane CAS #: 109-66-0               |        |          |       |          |         |        |                |        |  |
| 3.801                                    | 3.801  | (0.472)  | 43    | 1810831  | 50.0000 | 50.000 | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                |        |          |       |          |                 |                |               |           |  |
|------------------------|--------|----------|-------|----------|-----------------|----------------|---------------|-----------|--|
| RT                     | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |  |
| ==                     | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====     |  |
| 18 Pentane (continued) |        |          |       |          |                 |                |               |           |  |
| 3.801                  | 3.801  | (0.472)  | 57    | 229991   |                 |                | 0.00- 30.00   | 12.70     |  |
| 3.801                  | 3.801  | (0.472)  | 72    | 130955   |                 |                | 0.00- 30.00   | 7.23      |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 25 Acrolein            |        |          |       |          | CAS #: 107-02-8 |                |               |           |  |
| 4.492                  | 4.492  | (0.557)  | 55    | 235416   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 4.492                  | 4.492  | (0.557)  | 56    | 356574   |                 |                | 0.00- 30.00   | 151.47    |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 34 Acetonitrile        |        |          |       |          | CAS #: 75-05-8  |                |               |           |  |
| 5.294                  | 5.294  | (0.657)  | 41    | 773779   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 5.294                  | 5.294  | (0.657)  | 38    | 94567    |                 |                | 0.00- 30.00   | 12.22     |  |
| 5.294                  | 5.294  | (0.657)  | 40    | 435863   |                 |                | 0.00- 30.00   | 56.33     |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 39 Acrylonitrile       |        |          |       |          | CAS #: 107-13-1 |                |               |           |  |
| 5.958                  | 5.958  | (0.739)  | 53    | 818017   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 5.958                  | 5.958  | (0.739)  | 52    | 598553   |                 |                | 0.00- 30.00   | 73.17     |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 42 1-Pentene           |        |          |       |          | CAS #: 109-67-1 |                |               |           |  |
| 3.746                  | 3.746  | (0.465)  | 55    | 921011   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00(T) |  |
| 3.746                  | 3.746  | (0.465)  | 42    | 2376871  |                 |                | 0.00- 30.00   | 258.07    |  |
| 0.000                  | 3.746  | (0.000)  | 0     | 0        |                 |                | 0.00- 30.00   | 0.00      |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 44 Ethyl Ether         |        |          |       |          | CAS #: 60-29-7  |                |               |           |  |
| 4.161                  | 4.161  | (0.516)  | 74    | 349123   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00(T) |  |
| 4.161                  | 4.161  | (0.516)  | 59    | 583247   |                 |                | 0.00- 30.00   | 167.06    |  |
| 0.000                  | 4.161  | (0.000)  | 31    | 0        |                 |                | 0.00- 30.00   | 0.00      |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 53 Iodomethane         |        |          |       |          | CAS #: 74-88-4  |                |               |           |  |
| 4.852                  | 4.852  | (0.602)  | 142   | 1534387  | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 4.852                  | 4.852  | (0.602)  | 127   | 516121   |                 |                | 0.00- 30.00   | 33.64     |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 58 1-Hexene            |        |          |       |          | CAS #: 592-41-6 |                |               |           |  |
| 6.041                  | 6.041  | (0.750)  | 55    | 656694   | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 6.041                  | 6.041  | (0.750)  | 41    | 1152687  |                 |                | 0.00- 30.00   | 175.53    |  |
| 6.041                  | 6.041  | (0.750)  | 84    | 207523   |                 |                | 0.00- 30.00   | 31.60     |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 62 Methyl Acrylate     |        |          |       |          | CAS #: 96-33-3  |                |               |           |  |
| 7.783                  | 7.783  | (0.966)  | 55    | 1708867  | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 7.810                  | 7.783  | (0.969)  | 85    | 210992   |                 |                | 0.00- 30.00   | 12.35     |  |
| 7.783                  | 7.783  | (0.966)  | 58    | 144835   |                 |                | 0.00- 30.00   | 8.48      |  |
| -----                  |        |          |       |          |                 |                |               |           |  |
| 86 2-Pentanone         |        |          |       |          | CAS #: 107-87-9 |                |               |           |  |
| 10.796                 | 10.796 | (1.089)  | 43    | 3058933  | 50.0000         | 50.000         | 80.00- 120.00 | 100.00    |  |
| 10.796                 | 10.796 | (1.089)  | 58    | 214271   |                 |                | 0.00- 30.00   | 7.00      |  |
| 10.796                 | 10.796 | (1.089)  | 86    | 401320   |                 |                | 0.00- 30.00   | 13.12     |  |
| -----                  |        |          |       |          |                 |                |               |           |  |

| AMOUNTS                         |        |          |       |          |                 |                 |               |        |  |
|---------------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|--------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO  |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 88 Ethyl Acrylate               |        |          |       |          |                 | CAS #: 140-88-5 |               |        |  |
| 10.630                          | 10.630 | (1.073)  | 55    | 2378709  | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 10.630                          | 10.630 | (1.073)  | 99    | 141867   |                 |                 | 0.00- 30.00   | 5.96   |  |
| 10.630                          | 10.630 | (1.073)  | 45    | 235005   |                 |                 | 0.00- 30.00   | 9.88   |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 95 Dibromomethane               |        |          |       |          |                 | CAS #: 74-95-3  |               |        |  |
| 11.073                          | 11.073 | (1.117)  | 174   | 800130   | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 11.073                          | 11.073 | (1.117)  | 93    | 779828   |                 |                 | 0.00- 30.00   | 97.46  |  |
| 11.073                          | 11.073 | (1.117)  | 95    | 653770   |                 |                 | 0.00- 30.00   | 81.71  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 96 Methyl Methacrylate          |        |          |       |          |                 | CAS #: 80-62-6  |               |        |  |
| 11.073                          | 11.073 | (1.117)  | 41    | 1660995  | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 11.073                          | 11.073 | (1.117)  | 69    | 898628   |                 |                 | 0.00- 30.00   | 54.10  |  |
| 11.073                          | 11.073 | (1.117)  | 100   | 355352   |                 |                 | 0.00- 30.00   | 21.39  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 109 trans-1,4-dichloro-2-butene |        |          |       |          |                 | CAS #: 110-57-6 |               |        |  |
| 16.879                          | 16.879 | (1.125)  | 89    | 341646   | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 16.879                          | 16.879 | (1.125)  | 53    | 622859   |                 |                 | 0.00- 30.00   | 182.31 |  |
| 16.879                          | 16.879 | (1.125)  | 124   | 120344   |                 |                 | 0.00- 30.00   | 35.22  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 112 Alphanethylstyrene          |        |          |       |          |                 | CAS #: 98-83-9  |               |        |  |
| 17.294                          | 17.294 | (1.153)  | 118   | 1965161  | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 17.294                          | 17.294 | (1.153)  | 103   | 1077472  |                 |                 | 0.00- 30.00   | 54.83  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 117 Bis(2-chloroethyl) ether    |        |          |       |          |                 | CAS #: 111-44-4 |               |        |  |
| 17.709                          | 17.709 | (1.181)  | 93    | 1759543  | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 17.709                          | 17.709 | (1.181)  | 95    | 565720   |                 |                 | 0.00- 30.00   | 32.15  |  |
| 17.709                          | 17.709 | (1.181)  | 63    | 1427971  |                 |                 | 0.00- 30.00   | 81.16  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 127 Nonane                      |        |          |       |          |                 | CAS #: 111-84-2 |               |        |  |
| 15.331                          | 15.331 | (1.022)  | 43    | 3049886  | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 15.331                          | 15.331 | (1.022)  | 57    | 2399080  |                 |                 | 0.00- 30.00   | 78.66  |  |
| 15.331                          | 15.331 | (1.022)  | 85    | 778594   |                 |                 | 0.00- 30.00   | 25.53  |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |
| 193 Cyclopentane                |        |          |       |          |                 | CAS #: 287-92-3 |               |        |  |
| 5.405                           | 5.405  | (0.671)  | 70    | 424744   | 50.0000         | 50.000          | 80.00- 120.00 | 100.00 |  |
| 5.405                           | 5.405  | (0.671)  | 55    | 746534   |                 |                 | 0.00- 30.00   | 175.76 |  |
| -----                           |        |          |       |          |                 |                 |               |        |  |

QC Flag Legend

T - Target compound detected outside RT window.

Report Date: 11-Apr-2008 15:47

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041007.d

Calibration Time: 14:19

Lab Smp Id: Sp ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 50ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 225889   | 135533     | 316245  | 226586  | 0.31  |
| 92 1,4-Difluorobenze | 1007938  | 604763     | 1411113 | 995351  | -1.25 |
| 125 Chlorobenzene-d5 | 1095270  | 657162     | 1533378 | 1081190 | -1.29 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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/msd5.1/5-10apr.b/5041007.d

Date: 10-APR-2008 12:20

Client ID: Level 5

Sample Info: 50mL #1576-319

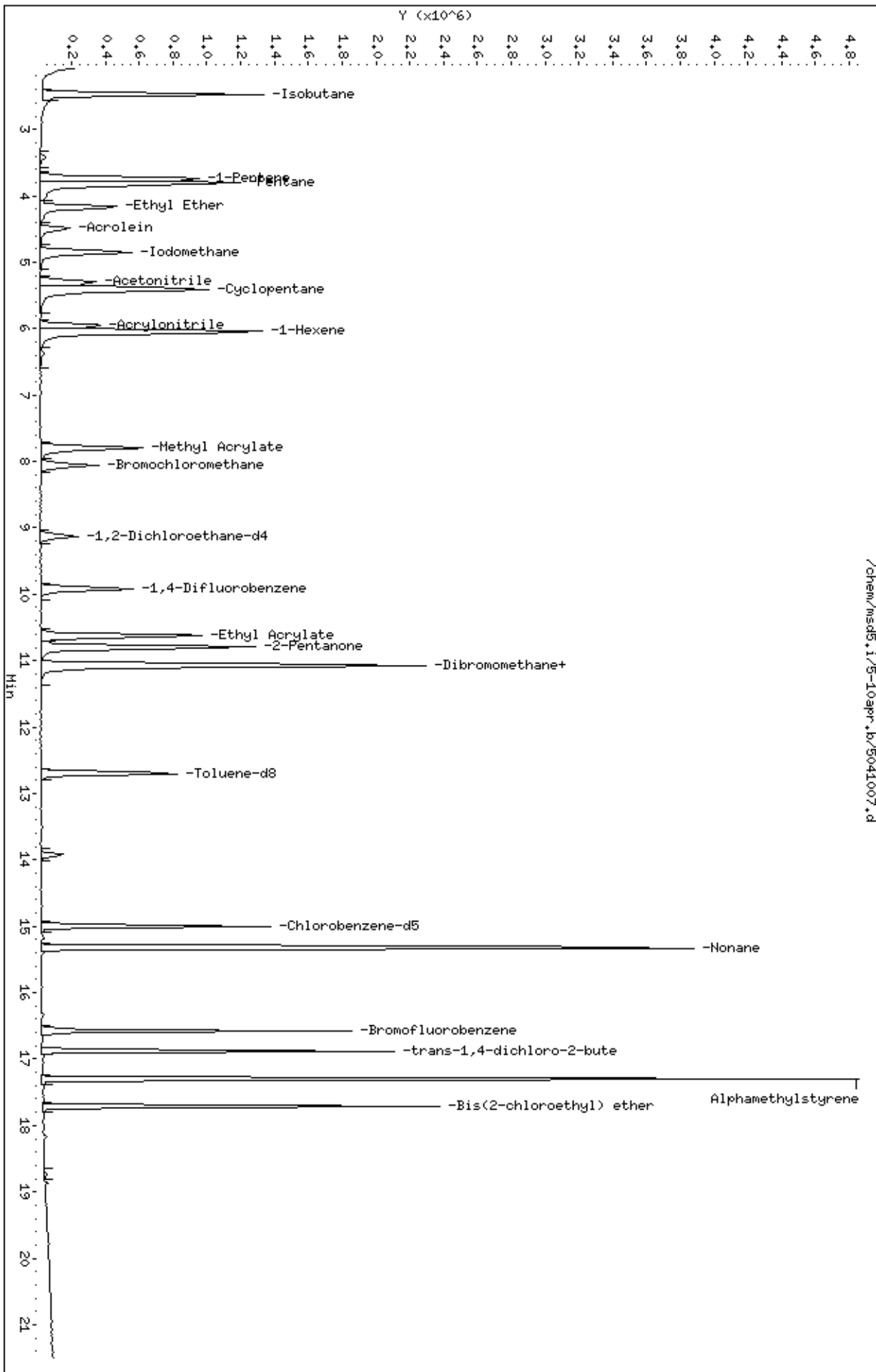
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-10apr.b/5041007.d





Report Date: 10-Apr-2008 14:03

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041003.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 5  
 Inj Date : 10-APR-2008 09:21  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 50mL #1576-341  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 14:03 sscott Quant Type: ISTD  
 Cal Date : 10-APR-2008 09:21 Cal File: 5041003.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp35a.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  |
| ==                                       | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5   |        |          |       |          |         |         |        |                |        |
| 8.059                                    | 8.059  | (1.000)  | 130   | 240974   | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 8.059                                    | 8.059  | (1.000)  | 128   | 183052   |         |         |        | 45.96- 105.96  | 75.96  |
| 8.059                                    | 8.059  | (1.000)  | 49    | 472876   |         |         |        | 166.24- 226.24 | 196.24 |
| -----                                    |        |          |       |          |         |         |        |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3 |        |          |       |          |         |         |        |                |        |
| 9.911                                    | 9.911  | (1.000)  | 114   | 1048713  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 9.911                                    | 9.911  | (1.000)  | 88    | 159251   |         |         |        | 0.00- 45.19    | 15.19  |
| -----                                    |        |          |       |          |         |         |        |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4  |        |          |       |          |         |         |        |                |        |
| 14.999                                   | 14.999 | (1.000)  | 117   | 1138308  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 14.999                                   | 14.999 | (1.000)  | 82    | 561599   |         |         |        | 19.34- 79.34   | 49.34  |
| -----                                    |        |          |       |          |         |         |        |                |        |
| 1 Freon134a CAS #: 811-97-2              |        |          |       |          |         |         |        |                |        |
| 2.197                                    | 2.197  | (0.273)  | 83    | 502574   | 50.0000 | 50.000  |        | 80.00- 120.00  | 100.00 |
| 2.335                                    | 2.335  | (0.290)  | 69    | 50388    |         |         |        | 0.00- 40.03    | 10.03  |
| -----                                    |        |          |       |          |         |         |        |                |        |
| 3 Freon 152a CAS #: 75-37-6              |        |          |       |          |         |         |        |                |        |
| 2.253                                    | 2.253  | (0.280)  | 65    | 403458   | 50.0000 | 50.000  |        | 80.00- 120.00  | 100.00 |
| 2.335                                    | 2.335  | (0.290)  | 51    | 2439917  |         |         |        | 574.75- 634.75 | 604.75 |
| -----                                    |        |          |       |          |         |         |        |                |        |

| AMOUNTS                       |        |          |       |          |                 |                 |                 |         |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-----------------|-----------------|---------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE    | RATIO   |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====           | =====           | =====   |  |
| 4 Freon 22                    |        |          |       |          |                 | CAS #: 75-45-6  |                 |         |  |
| 2.335                         | 2.335  | (0.290)  | 67    | 140046   | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 2.335                         | 2.335  | (0.290)  | 51    | 2443272  |                 |                 | 1714.62-1774.62 | 1744.62 |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 5 Freon142b                   |        |          |       |          |                 | CAS #: 75-68-3  |                 |         |  |
| 2.529                         | 2.529  | (0.314)  | 65    | 1232842  | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 2.529                         | 2.529  | (0.314)  | 45    | 491356   |                 |                 | 9.86- 69.86     | 39.86   |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 16 Dichlorofluoromethane/Fr21 |        |          |       |          |                 | CAS #: 75-43-4  |                 |         |  |
| 3.718                         | 3.718  | (0.461)  | 67    | 993631   | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 3.718                         | 3.718  | (0.461)  | 69    | 309403   |                 |                 | 1.14- 61.14     | 31.14   |  |
| 3.856                         | 3.856  | (0.478)  | 35    | 1015     |                 |                 | 0.00- 30.10     | 0.10    |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 22 Freon123a                  |        |          |       |          |                 | CAS #: 354-23-4 |                 |         |  |
| 4.271                         | 4.271  | (0.530)  | 117   | 486933   | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 4.271                         | 4.271  | (0.530)  | 67    | 687434   |                 |                 | 111.18- 171.18  | 141.18  |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 24 Freon123                   |        |          |       |          |                 | CAS #: 306-83-2 |                 |         |  |
| 4.409                         | 4.409  | (0.547)  | 83    | 93522    | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 4.409                         | 4.409  | (0.547)  | 133   | 14453    |                 |                 | 0.00- 45.45     | 15.45   |  |
| 4.382                         | 4.382  | (0.544)  | 85    | 73933    |                 |                 | 49.05- 109.05   | 79.05   |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 49 Isopropyl ether            |        |          |       |          |                 | CAS #: 108-20-3 |                 |         |  |
| 6.593                         | 6.593  | (0.818)  | 45    | 3661073  | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 6.593                         | 6.593  | (0.818)  | 87    | 628214   |                 |                 | 0.00- 47.16     | 17.16   |  |
| 6.593                         | 6.593  | (0.818)  | 59    | 321340   |                 |                 | 0.00- 38.78     | 8.78    |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 57 Ethyl-tert-butyl Ether     |        |          |       |          |                 | CAS #: 637-92-3 |                 |         |  |
| 7.202                         | 7.202  | (0.894)  | 59    | 2200011  | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 7.202                         | 7.202  | (0.894)  | 87    | 737812   |                 |                 | 3.54- 63.54     | 33.54   |  |
| 7.202                         | 7.202  | (0.894)  | 41    | 476332   |                 |                 | 0.00- 51.65     | 21.65   |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 61 Ethyl Acetate              |        |          |       |          |                 | CAS #: 141-78-6 |                 |         |  |
| 7.699                         | 7.699  | (0.955)  | 70    | 191495   | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 7.699                         | 7.699  | (0.955)  | 43    | 2537350  |                 |                 | 1295.02-1355.02 | 1325.02 |  |
| 7.699                         | 7.699  | (0.955)  | 61    | 328443   |                 |                 | 141.52- 201.52  | 171.52  |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 64 1-Propanol                 |        |          |       |          |                 | CAS #: 71-23-8  |                 |         |  |
| 6.815                         | 6.815  | (0.846)  | 42    | 203770   | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 6.815                         | 6.815  | (0.846)  | 59    | 190160   |                 |                 | 63.32- 123.32   | 93.32   |  |
| 6.815                         | 6.815  | (0.846)  | 41    | 138108   |                 |                 | 37.78- 97.78    | 67.78   |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |
| 76 Isobutanol                 |        |          |       |          |                 | CAS #: 78-83-1  |                 |         |  |
| 9.082                         | 9.082  | (0.916)  | 43    | 1003401  | 50.0000         | 50.000          | 80.00- 120.00   | 100.00  |  |
| 9.082                         | 9.082  | (0.916)  | 41    | 701491   |                 |                 | 39.91- 99.91    | 69.91   |  |
| -----                         |        |          |       |          |                 |                 |                 |         |  |

| AMOUNTS                       |        |          |       |          |                 |                 |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 78 tert-amyl-Methyl Ether     |        |          |       |          |                 | CAS #: 994-05-8 |                |        |  |
| 9.275                         | 9.275  | (1.151)  | 73    | 1929860  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 9.275                         | 9.275  | (1.151)  | 87    | 475444   |                 |                 | 0.00- 54.64    | 24.64  |  |
| 9.275                         | 9.275  | (1.151)  | 55    | 670799   |                 |                 | 4.76- 64.76    | 34.76  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 91 1-Butanol                  |        |          |       |          |                 | CAS #: 71-36-3  |                |        |  |
| 10.354                        | 10.354 | (1.045)  | 56    | 806640   | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 10.354                        | 10.354 | (1.045)  | 41    | 639378   |                 |                 | 49.26- 109.26  | 79.26  |  |
| 10.354                        | 10.354 | (1.045)  | 43    | 519905   |                 |                 | 34.45- 94.45   | 64.45  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 118 Butyl Acetate             |        |          |       |          |                 | CAS #: 123-86-4 |                |        |  |
| 14.197                        | 14.197 | (1.432)  | 56    | 1229047  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 14.197                        | 14.197 | (1.432)  | 73    | 396193   |                 |                 | 2.24- 62.24    | 32.24  |  |
| 14.197                        | 14.197 | (1.432)  | 43    | 3223164  |                 |                 | 232.25- 292.25 | 262.25 |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 131 2-Heptanone               |        |          |       |          |                 | CAS #: 110-43-0 |                |        |  |
| 16.077                        | 16.077 | (1.072)  | 58    | 1814952  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 16.077                        | 16.077 | (1.072)  | 43    | 3175102  |                 |                 | 144.94- 204.94 | 174.94 |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 135 Cyclohexanone             |        |          |       |          |                 | CAS #: 108-94-1 |                |        |  |
| 16.520                        | 16.520 | (1.101)  | 55    | 1453076  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 16.520                        | 16.520 | (1.101)  | 98    | 538182   |                 |                 | 7.04- 67.04    | 37.04  |  |
| 16.520                        | 16.520 | (1.101)  | 42    | 1081508  |                 |                 | 44.43- 104.43  | 74.43  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 146 Diisobutyl Ketone         |        |          |       |          |                 | CAS #: 108-83-8 |                |        |  |
| 17.211                        | 17.211 | (1.147)  | 57    | 3729294  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.211                        | 17.211 | (1.147)  | 85    | 2699816  |                 |                 | 42.39- 102.39  | 72.39  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 59 1,3-Dichloropropane        |        |          |       |          |                 | CAS #: 142-28-9 |                |        |  |
| 13.893                        | 13.893 | (1.402)  | 76    | 1469664  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 13.893                        | 13.893 | (1.402)  | 41    | 1326803  |                 |                 | 60.28- 120.28  | 90.28  |  |
| 13.893                        | 13.893 | (1.402)  | 78    | 464576   |                 |                 | 1.61- 61.61    | 31.61  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 60 2,2-Dichloropropane        |        |          |       |          |                 | CAS #: 594-20-7 |                |        |  |
| 7.561                         | 7.561  | (0.938)  | 77    | 1205846  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 7.561                         | 7.561  | (0.938)  | 79    | 386490   |                 |                 | 2.05- 62.05    | 32.05  |  |
| 7.589                         | 7.589  | (0.942)  | 97    | 258496   |                 |                 | 0.00- 51.44    | 21.44  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 73 1,1-Dichloropropene        |        |          |       |          |                 | CAS #: 563-58-6 |                |        |  |
| 8.722                         | 8.722  | (1.082)  | 110   | 450060   | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 8.722                         | 8.722  | (1.082)  | 75    | 1104749  |                 |                 | 215.47- 275.47 | 245.47 |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |
| 123 1,1,1,2-Tetrachloroethane |        |          |       |          |                 | CAS #: 630-20-6 |                |        |  |
| 15.192                        | 15.192 | (1.013)  | 131   | 1036619  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 15.192                        | 15.192 | (1.013)  | 117   | 757728   |                 |                 | 43.10- 103.10  | 73.10  |  |
| 15.192                        | 15.192 | (1.013)  | 95    | 366104   |                 |                 | 5.32- 65.32    | 35.32  |  |
| -----                         |        |          |       |          |                 |                 |                |        |  |

| AMOUNTS                    |        |          |      |          |                 |                 |                |        |  |
|----------------------------|--------|----------|------|----------|-----------------|-----------------|----------------|--------|--|
| RT                         | EXP RT | (REL RT) | MASS | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                         | =====  | =====    | ==== | =====    | =====           | =====           | =====          | =====  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 137 Bromobenzene           |        |          |      |          |                 | CAS #: 108-86-1 |                |        |  |
| 16.741                     | 16.741 | (1.116)  | 156  | 1391454  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 16.741                     | 16.741 | (1.116)  | 77   | 2226182  |                 |                 | 129.99- 189.99 | 159.99 |  |
| 16.741                     | 16.741 | (1.116)  | 158  | 1342316  |                 |                 | 66.47- 126.47  | 96.47  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 139 1,2,3-Trichloropropane |        |          |      |          |                 | CAS #: 96-18-4  |                |        |  |
| 16.851                     | 16.851 | (1.123)  | 110  | 680422   | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 16.851                     | 16.851 | (1.123)  | 61   | 501854   |                 |                 | 43.76- 103.76  | 73.76  |  |
| 16.851                     | 16.851 | (1.123)  | 112  | 428742   |                 |                 | 33.01- 93.01   | 63.01  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 140 2-Chlorotoluene        |        |          |      |          |                 | CAS #: 95-49-8  |                |        |  |
| 16.962                     | 16.962 | (1.131)  | 126  | 1132640  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 16.962                     | 16.962 | (1.131)  | 91   | 3243685  |                 |                 | 256.38- 316.38 | 286.38 |  |
| 16.962                     | 16.962 | (1.131)  | 65   | 272484   |                 |                 | 0.00- 54.06    | 24.06  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 143 4-Chlorotoluene        |        |          |      |          |                 | CAS #: 106-43-4 |                |        |  |
| 17.100                     | 17.100 | (1.140)  | 126  | 1119539  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.100                     | 17.100 | (1.140)  | 91   | 3123858  |                 |                 | 249.03- 309.03 | 279.03 |  |
| 17.100                     | 17.100 | (1.140)  | 63   | 364009   |                 |                 | 2.51- 62.51    | 32.51  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 149 tert-Butylbenzene      |        |          |      |          |                 | CAS #: 98-06-6  |                |        |  |
| 17.377                     | 17.377 | (1.159)  | 119  | 4308887  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.377                     | 17.377 | (1.159)  | 134  | 1000171  |                 |                 | 0.00- 53.21    | 23.21  |  |
| 17.377                     | 17.377 | (1.159)  | 91   | 2410127  |                 |                 | 25.93- 85.93   | 55.93  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 150 Pentachloroethane      |        |          |      |          |                 | CAS #: 76-01-7  |                |        |  |
| 17.460                     | 17.460 | (1.164)  | 167  | 891966   | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.432                     | 17.432 | (1.162)  | 117  | 950925   |                 |                 | 76.61- 136.61  | 106.61 |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 151 sec-Butylbenzene       |        |          |      |          |                 | CAS #: 135-98-8 |                |        |  |
| 17.598                     | 17.598 | (1.173)  | 105  | 5550718  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.598                     | 17.598 | (1.173)  | 134  | 1026461  |                 |                 | 0.00- 48.49    | 18.49  |  |
| 17.598                     | 17.598 | (1.173)  | 91   | 806196   |                 |                 | 0.00- 44.52    | 14.52  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 153 p-Cymene               |        |          |      |          |                 | CAS #: 99-87-6  |                |        |  |
| 17.764                     | 17.764 | (1.184)  | 134  | 1094102  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.764                     | 17.764 | (1.184)  | 119  | 4147659  |                 |                 | 349.09- 409.09 | 379.09 |  |
| 17.736                     | 17.736 | (1.182)  | 91   | 865541   |                 |                 | 49.11- 109.11  | 79.11  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 154 1,2,3-Trimethylbenzene |        |          |      |          |                 | CAS #: 526-73-8 |                |        |  |
| 17.874                     | 17.874 | (1.192)  | 120  | 1642968  | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |
| 17.874                     | 17.874 | (1.192)  | 105  | 3554682  |                 |                 | 186.36- 246.36 | 216.36 |  |
| 17.874                     | 17.874 | (1.192)  | 77   | 362126   |                 |                 | 0.00- 52.04    | 22.04  |  |
| -----                      |        |          |      |          |                 |                 |                |        |  |
| 158 Butylbenzene           |        |          |      |          |                 | CAS #: 104-51-8 |                |        |  |
| 18.151                     | 18.151 | (1.210)  | 134  | 906547   | 50.0000         | 50.000          | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                         |        |          |       |          |                 |                |                |        |  |
|---------------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 158 Butylbenzene (continued)    |        |          |       |          |                 |                |                |        |  |
| 18.123                          | 18.123 | (1.208)  | 91    | 3674464  |                 |                | 375.33- 435.33 | 405.33 |  |
| 18.123                          | 18.123 | (1.208)  | 92    | 2021529  |                 |                | 192.99- 252.99 | 222.99 |  |
| -----                           |        |          |       |          |                 |                |                |        |  |
| 161 1,2-Dibromo-3-Chloropropane |        |          |       |          | CAS #: 96-12-8  |                |                |        |  |
| 18.870                          | 18.870 | (1.258)  | 157   | 935825   | 50.0000         | 50.000         | 80.00- 120.00  | 100.00 |  |
| 18.870                          | 18.870 | (1.258)  | 75    | 979355   |                 |                | 74.65- 134.65  | 104.65 |  |
| 18.870                          | 18.870 | (1.258)  | 155   | 732901   |                 |                | 48.32- 108.32  | 78.32  |  |
| -----                           |        |          |       |          |                 |                |                |        |  |

Report Date: 10-Apr-2008 14:03

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041003.d

Calibration Time: 09:21

Lab Smp Id: Sp ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 50ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 240974   | 144584     | 337364  | 240974  | 0.00  |
| 92 1,4-Difluorobenze | 1048713  | 629228     | 1468198 | 1048713 | 0.00  |
| 125 Chlorobenzene-d5 | 1138308  | 682985     | 1593631 | 1138308 | 0.00  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

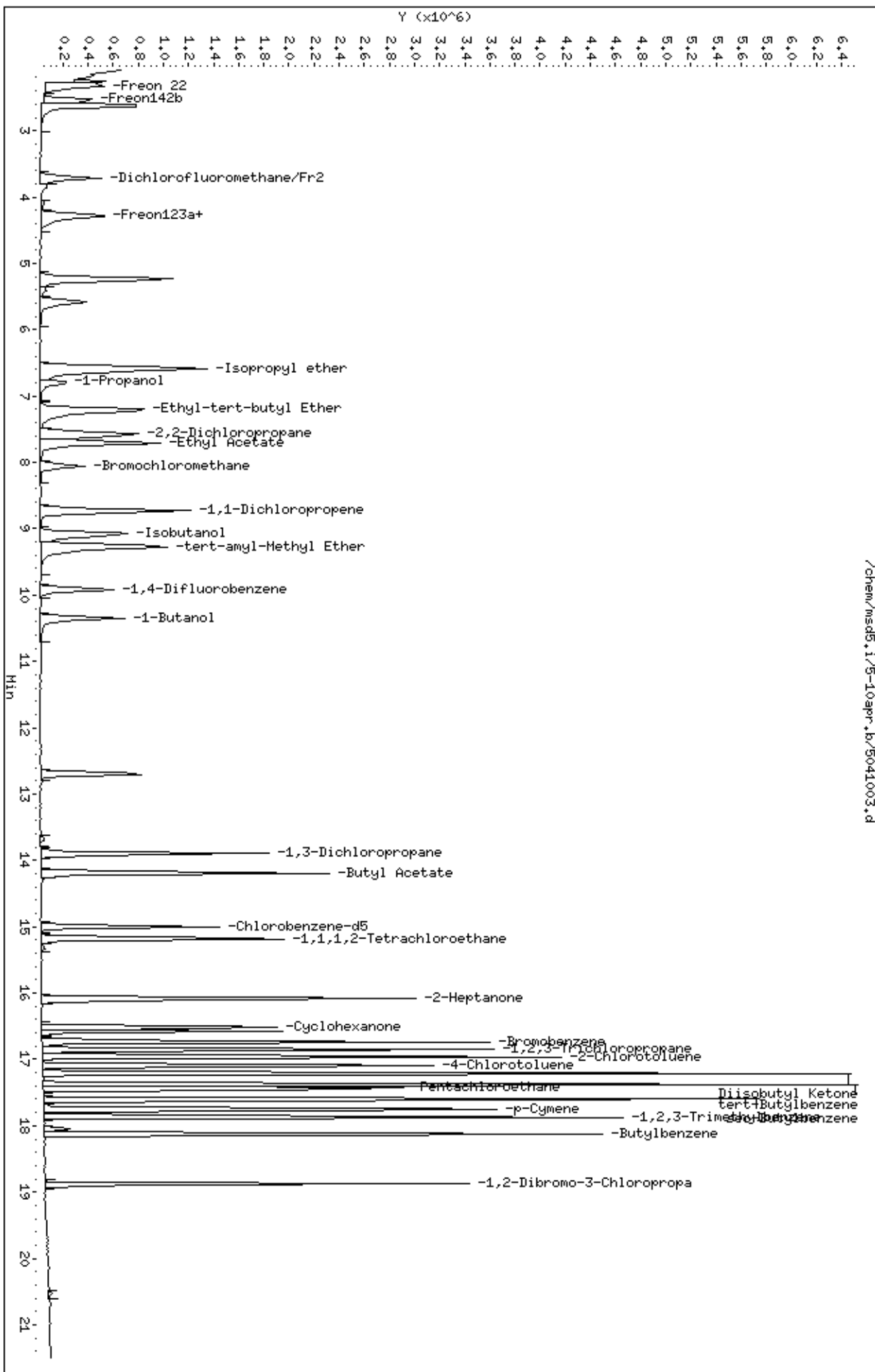
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-10apr.b/5041003.d  
Date: 10-APR-2008 09:21  
Client ID: Level 5  
Sample Info: 50mL #1576-341

Column phase: RTX-624

Instrument: msd5.1  
Operator: ct  
Column diameter: 0.53

/chem/msd5.1/5-10apr.b/5041003.d



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040909.d  
 Lab Smp Id: ICAL Client Smp ID: Level 5  
 Inj Date : 09-APR-2008 13:43  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 50mL #1576-326  
 Misc Info : 200ppbv -> 50ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 13:43 Cal File: 5040909.d  
 Als bottle: 1 Calibration Sample, Level: 5  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08mdl.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |         |        |                |        |
|---|--------|----------|-------|----------|---------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | (PPBV)  | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |                |        |
| 8.059   | 8.059  | (1.000)  | 130   | 245525   | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 8.059   | 8.059  | (1.000)  | 128   | 193805   |         |         |        | 48.93- 108.93  | 78.93  |
| 8.059   | 8.059  | (1.000)  | 49    | 503090   |         |         |        | 174.90- 234.90 | 204.90 |
| -----   |        |          |       |          |         |         |        |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |                |        |
| 9.912   | 9.912  | (1.000)  | 114   | 1111535  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 9.912   | 9.912  | (1.000)  | 88    | 167410   |         |         |        | 0.00- 45.06    | 15.06  |
| -----   |        |          |       |          |         |         |        |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |                |        |
| 14.999  | 14.999 | (1.000)  | 117   | 1171390  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 14.999  | 14.999 | (1.000)  | 82    | 590620   |         |         |        | 20.42- 80.42   | 50.42  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |                |        |
| 9.137   | 9.137  | (1.134)  | 65    | 333815   | 25.0000 | 25.888  |        | 80.00- 120.00  | 100.00 |
| 9.137   | 9.137  | (1.134)  | 67    | 193861   |         |         |        | 28.07- 88.07   | 58.07  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |                |        |
| 12.704  | 12.704 | (1.282)  | 98    | 1157334  | 25.0000 | 25.068  |        | 80.00- 120.00  | 100.00 |
| 12.704  | 12.704 | (1.282)  | 70    | 108428   |         |         |        | 0.00- 39.37    | 9.37   |



| AMOUNTS                        |        |          |       |          |                 |                 |                |        |  |
|--------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                 |                |        |  |
| 12.704                         | 12.704 | (1.282)  | 100   | 817268   |                 |                 | 40.62- 100.62  | 70.62  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 460-00-4 |                |        |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 699900   | 25.0000         | 24.916          | 80.00- 120.00  | 100.00 |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 948113   |                 |                 | 105.46- 165.46 | 135.46 |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 680956   |                 |                 | 67.29- 127.29  | 97.29  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 6 Propylene                    |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 115-07-1 |                |        |  |
| 2.253                          | 2.253  | (0.280)  | 41    | 815431   | 50.0000         | 54.733          | 80.00- 120.00  | 100.00 |  |
| 2.253                          | 2.253  | (0.280)  | 42    | 539528   |                 |                 | 36.16- 96.16   | 66.16  |  |
| 2.253                          | 2.253  | (0.280)  | 39    | 594646   |                 |                 | 42.92- 102.92  | 72.92  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 75-71-8  |                |        |  |
| 2.336                          | 2.336  | (0.290)  | 85    | 1264718  | 50.0000         | 52.421          | 80.00- 120.00  | 100.00 |  |
| 2.336                          | 2.336  | (0.290)  | 87    | 416007   |                 |                 | 2.89- 62.89    | 32.89  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 9 Freon 114                    |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 76-14-2  |                |        |  |
| 2.446                          | 2.446  | (0.304)  | 135   | 1189575  | 50.0000         | 53.637          | 80.00- 120.00  | 100.00 |  |
| 2.446                          | 2.446  | (0.304)  | 137   | 383723   |                 |                 | 2.26- 62.26    | 32.26  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 10 Chloromethane               |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 74-87-3  |                |        |  |
| 2.584                          | 2.584  | (0.321)  | 50    | 1051868  | 50.0000         | 52.483          | 80.00- 120.00  | 100.00 |  |
| 2.584                          | 2.584  | (0.321)  | 52    | 299448   |                 |                 | 0.00- 58.47    | 28.47  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 13 Vinyl Chloride              |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 75-01-4  |                |        |  |
| 2.778                          | 2.778  | (0.345)  | 62    | 868521   | 50.0000         | 53.278          | 80.00- 120.00  | 100.00 |  |
| 2.778                          | 2.778  | (0.345)  | 64    | 257841   |                 |                 | 0.00- 59.69    | 29.69  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 12 1,3-Butadiene               |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 106-99-0 |                |        |  |
| 2.750                          | 2.750  | (0.341)  | 54    | 841428   | 50.0000         | 54.181          | 80.00- 120.00  | 100.00 |  |
| 2.750                          | 2.750  | (0.341)  | 39    | 1114974  |                 |                 | 102.51- 162.51 | 132.51 |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 15 Bromomethane                |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 74-83-9  |                |        |  |
| 3.276                          | 3.276  | (0.406)  | 94    | 509276   | 50.0000         | 53.952          | 80.00- 120.00  | 100.00 |  |
| 3.276                          | 3.276  | (0.406)  | 96    | 483665   |                 |                 | 64.97- 124.97  | 94.97  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 19 Chloroethane                |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 75-00-3  |                |        |  |
| 3.414                          | 3.414  | (0.424)  | 64    | 442049   | 50.0000         | 56.645          | 80.00- 120.00  | 100.00 |  |
| 3.386                          | 3.386  | (0.420)  | 49    | 147031   |                 |                 | 3.26- 63.26    | 33.26  |  |
| 3.414                          | 3.414  | (0.424)  | 66    | 133245   |                 |                 | 0.14- 60.14    | 30.14  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 |                 |                |        |  |
|                                |        |          |       |          |                 | CAS #: 75-69-4  |                |        |  |
| 3.718                          | 3.718  | (0.461)  | 101   | 1507817  | 50.0000         | 54.510          | 80.00- 120.00  | 100.00 |  |
| 3.718                          | 3.718  | (0.461)  | 103   | 975898   |                 |                 | 34.72- 94.72   | 64.72  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 4.078                       | 4.078  | (0.506)  | 45    | 385974   | 50.0000         | 49.215           | 80.00- 120.00  | 100.00 |  |
| 4.078                       | 4.078  | (0.506)  | 43    | 87185    |                 |                  | 0.00- 52.59    | 22.59  |  |
| 4.078                       | 4.078  | (0.506)  | 46    | 154841   |                 |                  | 10.12- 70.12   | 40.12  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 4.520                       | 4.520  | (0.561)  | 151   | 973947   | 50.0000         | 53.548           | 80.00- 120.00  | 100.00 |  |
| 4.520                       | 4.520  | (0.561)  | 153   | 631407   |                 |                  | 34.83- 94.83   | 64.83  |  |
| 4.520                       | 4.520  | (0.561)  | 101   | 1265438  |                 |                  | 99.93- 159.93  | 129.93 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 4.575                       | 4.575  | (0.568)  | 61    | 1269091  | 50.0000         | 54.511           | 80.00- 120.00  | 100.00 |  |
| 4.575                       | 4.575  | (0.568)  | 96    | 667252   |                 |                  | 22.58- 82.58   | 52.58  |  |
| 4.575                       | 4.575  | (0.568)  | 98    | 428591   |                 |                  | 3.77- 63.77    | 33.77  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 4.713                       | 4.713  | (0.585)  | 58    | 452164   | 50.0000         | 53.858           | 80.00- 120.00  | 100.00 |  |
| 4.713                       | 4.713  | (0.585)  | 43    | 1624449  |                 |                  | 329.26- 389.26 | 359.26 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 4.935                       | 4.935  | (0.612)  | 45    | 1981772  | 50.0000         | 55.027           | 80.00- 120.00  | 100.00 |  |
| 4.935                       | 4.935  | (0.612)  | 43    | 452758   |                 |                  | 0.00- 52.85    | 22.85  |  |
| 4.935                       | 4.935  | (0.612)  | 59    | 65432    |                 |                  | 0.00- 33.30    | 3.30   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 4.907                       | 4.907  | (0.609)  | 76    | 2008383  | 50.0000         | 55.131           | 80.00- 120.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 5.184                       | 5.184  | (0.643)  | 76    | 355945   | 50.0000         | 51.931           | 80.00- 120.00  | 100.00 |  |
| 5.184                       | 5.184  | (0.643)  | 41    | 1514902  |                 |                  | 395.60- 455.60 | 425.60 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 5.460                       | 5.460  | (0.677)  | 49    | 1120293  | 50.0000         | 52.447           | 80.00- 120.00  | 100.00 |  |
| 5.460                       | 5.460  | (0.677)  | 84    | 595141   |                 |                  | 23.12- 83.12   | 53.12  |  |
| 5.460                       | 5.460  | (0.677)  | 51    | 341885   |                 |                  | 0.52- 60.52    | 30.52  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 5.764                       | 5.764  | (0.715)  | 73    | 1335669  | 50.0000         | 59.801           | 80.00- 120.00  | 100.00 |  |
| 5.764                       | 5.764  | (0.715)  | 57    | 407425   |                 |                  | 0.50- 60.50    | 30.50  |  |
| 5.764                       | 5.764  | (0.715)  | 41    | 481805   |                 |                  | 6.07- 66.07    | 36.07  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 5.819                       | 5.819  | (0.722)  | 96    | 802707   | 50.0000         | 53.597           | 80.00- 120.00  | 100.00 |  |
| 5.819                       | 5.819  | (0.722)  | 61    | 1316729  |                 |                  | 134.04- 194.04 | 164.04 |  |
| 5.819                       | 5.819  | (0.722)  | 98    | 516832   |                 |                  | 34.39- 94.39   | 64.39  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                 |         |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|-----------------|---------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE    | RATIO   |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====           | =====   |  |
| 51 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                 |         |  |
| 6.151                     | 6.151  | (0.763)  | 57    | 1705234  | 50.0000         | 53.580          | 80.00- 120.00   | 100.00  |  |
| 6.151                     | 6.151  | (0.763)  | 43    | 1272469  |                 |                 | 44.62- 104.62   | 74.62   |  |
| 6.179                     | 6.179  | (0.767)  | 86    | 232527   |                 |                 | 0.00- 43.64     | 13.64   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 55 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                 |         |  |
| 6.594                     | 6.594  | (0.818)  | 63    | 1518609  | 50.0000         | 54.536          | 80.00- 120.00   | 100.00  |  |
| 6.594                     | 6.594  | (0.818)  | 65    | 446225   |                 |                 | 0.00- 59.38     | 29.38   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 67 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                 |         |  |
| 7.672                     | 7.672  | (0.952)  | 72    | 401912   | 50.0000         | 53.155          | 80.00- 120.00   | 100.00  |  |
| 7.672                     | 7.672  | (0.952)  | 43    | 2421965  |                 |                 | 572.61- 632.61  | 602.61  |  |
| 7.672                     | 7.672  | (0.952)  | 57    | 166177   |                 |                 | 11.35- 71.35    | 41.35   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 66 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                 |         |  |
| 7.617                     | 7.617  | (0.945)  | 61    | 1164385  | 50.0000         | 53.018          | 80.00- 120.00   | 100.00  |  |
| 7.617                     | 7.617  | (0.945)  | 96    | 817511   |                 |                 | 40.21- 100.21   | 70.21   |  |
| 7.644                     | 7.644  | (0.949)  | 98    | 535132   |                 |                 | 15.96- 75.96    | 45.96   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 70 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                 |         |  |
| 8.031                     | 8.031  | (0.997)  | 42    | 1451481  | 50.0000         | 51.358          | 80.00- 120.00   | 100.00  |  |
| 8.031                     | 8.031  | (0.997)  | 71    | 366922   |                 |                 | 0.00- 55.28     | 25.28   |  |
| 8.031                     | 8.031  | (0.997)  | 72    | 412150   |                 |                 | 0.00- 58.40     | 28.40   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 72 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                 |         |  |
| 8.197                     | 8.197  | (1.017)  | 83    | 1374656  | 50.0000         | 45.756          | 80.00- 120.00   | 100.00  |  |
| 8.197                     | 8.197  | (1.017)  | 85    | 902092   |                 |                 | 35.62- 95.62    | 65.62   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 75 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                 |         |  |
| 8.446                     | 8.446  | (1.048)  | 97    | 1371125  | 50.0000         | 54.858          | 80.00- 120.00   | 100.00  |  |
| 8.446                     | 8.446  | (1.048)  | 99    | 897963   |                 |                 | 35.49- 95.49    | 65.49   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 74 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                 |         |  |
| 8.418                     | 8.418  | (1.045)  | 84    | 1142410  | 50.0000         | 52.732          | 80.00- 120.00   | 100.00  |  |
| 8.418                     | 8.418  | (1.045)  | 56    | 1802032  |                 |                 | 127.74- 187.74  | 157.74  |  |
| 8.418                     | 8.418  | (1.045)  | 41    | 1094485  |                 |                 | 65.80- 125.80   | 95.80   |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 56 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                 |         |  |
| 6.677                     | 6.677  | (0.828)  | 86    | 217684   | 50.0000         | 54.977          | 80.00- 120.00   | 100.00  |  |
| 6.649                     | 6.649  | (0.825)  | 43    | 3126108  |                 |                 | 1406.08-1466.08 | 1436.08 |  |
| 6.649                     | 6.649  | (0.825)  | 42    | 250055   |                 |                 | 84.87- 144.87   | 114.87  |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |
| 77 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                 |         |  |
| 8.667                     | 8.667  | (1.075)  | 119   | 1242392  | 50.0000         | 54.752          | 80.00- 120.00   | 100.00  |  |
| 8.667                     | 8.667  | (1.075)  | 117   | 1290046  |                 |                 | 73.84- 133.84   | 103.84  |  |
| -----                     |        |          |       |          |                 |                 |                 |         |  |

| AMOUNTS |                         |          |       |          |                 |                   |                |        |  |  |
|---------|-------------------------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #: 540-84-1   |                |        |  |  |
| 9.082   | 9.082                   | (1.127)  | 57    | 5494527  | 50.0000         | 54.113            | 80.00- 120.00  | 100.00 |  |  |
| 9.082   | 9.082                   | (1.127)  | 56    | 1782585  |                 |                   | 2.44- 62.44    | 32.44  |  |  |
| 9.082   | 9.082                   | (1.127)  | 41    | 1505203  |                 |                   | 0.00- 57.39    | 27.39  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 81      | Benzene                 |          |       |          |                 | CAS #: 71-43-2    |                |        |  |  |
| 9.082   | 9.082                   | (0.916)  | 78    | 2619409  | 50.0000         | 45.051            | 80.00- 120.00  | 100.00 |  |  |
| 9.082   | 9.082                   | (0.916)  | 77    | 606933   |                 |                   | 0.00- 53.17    | 23.17  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #: 107-06-2   |                |        |  |  |
| 9.276   | 9.276                   | (0.936)  | 62    | 1054944  | 50.0000         | 55.146            | 80.00- 120.00  | 100.00 |  |  |
| 9.276   | 9.276                   | (0.936)  | 64    | 327364   |                 |                   | 1.03- 61.03    | 31.03  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 90      | Heptane                 |          |       |          |                 | CAS #: 142-82-5   |                |        |  |  |
| 9.497   | 9.497                   | (0.958)  | 100   | 322755   | 50.0000         | 52.692            | 80.00- 120.00  | 100.00 |  |  |
| 9.469   | 9.469                   | (0.955)  | 43    | 2402435  |                 |                   | 714.35- 774.35 | 744.35 |  |  |
| 9.497   | 9.497                   | (0.958)  | 71    | 958735   |                 |                   | 267.05- 327.05 | 297.05 |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #: 79-01-6    |                |        |  |  |
| 10.326  | 10.326                  | (1.042)  | 95    | 1055437  | 50.0000         | 53.272            | 80.00- 120.00  | 100.00 |  |  |
| 10.326  | 10.326                  | (1.042)  | 130   | 1110227  |                 |                   | 75.19- 135.19  | 105.19 |  |  |
| 10.326  | 10.326                  | (1.042)  | 97    | 695695   |                 |                   | 35.92- 95.92   | 65.92  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #: 78-87-5    |                |        |  |  |
| 10.852  | 10.852                  | (1.095)  | 63    | 1066630  | 50.0000         | 53.825            | 80.00- 120.00  | 100.00 |  |  |
| 10.852  | 10.852                  | (1.095)  | 62    | 771849   |                 |                   | 42.36- 102.36  | 72.36  |  |  |
| 10.852  | 10.852                  | (1.095)  | 41    | 706533   |                 |                   | 36.24- 96.24   | 66.24  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #: 123-91-1   |                |        |  |  |
| 11.073  | 11.073                  | (1.117)  | 88    | 673374   | 50.0000         | 52.886            | 80.00- 120.00  | 100.00 |  |  |
| 11.073  | 11.073                  | (1.117)  | 58    | 578626   |                 |                   | 55.93- 115.93  | 85.93  |  |  |
| 11.073  | 11.073                  | (1.117)  | 57    | 173299   |                 |                   | 0.00- 55.74    | 25.74  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #: 75-27-4    |                |        |  |  |
| 11.405  | 11.405                  | (1.151)  | 83    | 1483623  | 50.0000         | 54.349            | 80.00- 120.00  | 100.00 |  |  |
| 11.405  | 11.405                  | (1.151)  | 85    | 953855   |                 |                   | 34.29- 94.29   | 64.29  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #: 10061-01-5 |                |        |  |  |
| 12.317  | 12.317                  | (1.243)  | 75    | 1295910  | 50.0000         | 54.264            | 80.00- 120.00  | 100.00 |  |  |
| 12.317  | 12.317                  | (1.243)  | 77    | 426050   |                 |                   | 2.88- 62.88    | 32.88  |  |  |
| 12.317  | 12.317                  | (1.243)  | 39    | 888352   |                 |                   | 38.55- 98.55   | 68.55  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #: 108-10-1   |                |        |  |  |
| 12.594  | 12.594                  | (1.271)  | 58    | 1032926  | 50.0000         | 53.412            | 80.00- 120.00  | 100.00 |  |  |
| 12.594  | 12.594                  | (1.271)  | 43    | 2885014  |                 |                   | 249.31- 309.31 | 279.31 |  |  |
| 12.594  | 12.594                  | (1.271)  | 85    | 373727   |                 |                   | 6.18- 66.18    | 36.18  |  |  |
| -----   |                         |          |       |          |                 |                   |                |        |  |  |

| AMOUNTS                       |        |          |       |          |                 |                |              |        |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|--------------|--------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====        | =====  |        |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #:         | 108-88-3     |        |        |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 3164846  | 50.0000         | 53.917         | 80.00-       | 120.00 | 100.00 |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 1864657  |                 |                | 28.92-       | 88.92  | 58.92  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #:         | 10061-02-6   |        |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 1247936  | 50.0000         | 54.914         | 80.00-       | 120.00 | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 404927   |                 |                | 2.45-        | 62.45  | 32.45  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 886230   |                 |                | 41.02-       | 101.02 | 71.02  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #:         | 79-00-5      |        |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 1040275  | 50.0000         | 52.536         | 80.00-       | 120.00 | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 664320   |                 |                | 33.86-       | 93.86  | 63.86  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 883215   |                 |                | 54.90-       | 114.90 | 84.90  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #:         | 127-18-4     |        |        |  |
| 13.700                        | 13.700 | (0.913)  | 166   | 1304552  | 50.0000         | 54.094         | 80.00-       | 120.00 | 100.00 |  |
| 13.700                        | 13.700 | (0.913)  | 129   | 971520   |                 |                | 44.47-       | 104.47 | 74.47  |  |
| 13.700                        | 13.700 | (0.913)  | 131   | 929418   |                 |                | 41.24-       | 101.24 | 71.24  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #:         | 591-78-6     |        |        |  |
| 14.004                        | 14.004 | (0.934)  | 58    | 1454560  | 50.0000         | 52.679         | 80.00-       | 120.00 | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 2948285  |                 |                | 172.69-      | 232.69 | 202.69 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 255200   |                 |                | 0.00-        | 47.54  | 17.54  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #:         | 124-48-1     |        |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 1481281  | 50.0000         | 55.927         | 80.00-       | 120.00 | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 1151837  |                 |                | 47.76-       | 107.76 | 77.76  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #:         | 106-93-4     |        |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 1675532  | 50.0000         | 54.583         | 80.00-       | 120.00 | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 1592421  |                 |                | 65.04-       | 125.04 | 95.04  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #:         | 108-90-7     |        |        |  |
| 15.027                        | 15.027 | (1.002)  | 112   | 2469806  | 50.0000         | 52.985         | 80.00-       | 120.00 | 100.00 |  |
| 15.027                        | 15.027 | (1.002)  | 114   | 791138   |                 |                | 2.03-        | 62.03  | 32.03  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 1401967  |                 |                | 26.76-       | 86.76  | 56.76  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #:         | 100-41-4     |        |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 1408914  | 50.0000         | 53.264         | 80.00-       | 120.00 | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 4266674  |                 |                | 272.83-      | 332.83 | 302.83 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #:         | 108-38-3     |        |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 1789526  | 50.0000         | 53.704         | 80.00-       | 120.00 | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 3357915  |                 |                | 157.64-      | 217.64 | 187.64 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #:         | 95-47-6      |        |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 1649346  | 50.0000         | 52.746         | 80.00-       | 120.00 | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                |               |                |        |  |
|--|--------|----------|-------|----------|----------------|---------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT (PPEV) | ON-COL (PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====  |  |
| 132 o-Xylene (continued)                     |        |          |       |          |                |               |                |        |  |
| 15.856                                       | 15.856 | (1.057)  | 91    | 3284725  |                |               | 169.15- 229.15 | 199.15 |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |                |               |                |        |  |
| 15.911                                       | 15.911 | (1.061)  | 104   | 2769723  | 50.0000        | 48.282        | 80.00- 120.00  | 100.00 |  |
| 15.911                                       | 15.911 | (1.061)  | 78    | 1188570  |                |               | 12.91- 72.91   | 42.91  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |                |               |                |        |  |
| 16.160                                       | 16.160 | (1.077)  | 173   | 1401743  | 50.0000        | 56.712        | 80.00- 120.00  | 100.00 |  |
| 16.160                                       | 16.160 | (1.077)  | 171   | 728194   |                |               | 21.95- 81.95   | 51.95  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                |               |                |        |  |
| 16.796                                       | 16.796 | (1.120)  | 83    | 2341117  | 50.0000        | 52.793        | 80.00- 120.00  | 100.00 |  |
| 16.796                                       | 16.796 | (1.120)  | 85    | 1515786  |                |               | 34.75- 94.75   | 64.75  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                |               |                |        |  |
| 16.962                                       | 16.962 | (1.131)  | 105   | 4985129  | 50.0000        | 54.539        | 80.00- 120.00  | 100.00 |  |
| 16.962                                       | 16.962 | (1.131)  | 120   | 1549072  |                |               | 1.07- 61.07    | 31.07  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                |               |                |        |  |
| 17.045                                       | 17.045 | (1.136)  | 105   | 4354349  | 50.0000        | 50.675        | 80.00- 120.00  | 100.00 |  |
| 17.045                                       | 17.045 | (1.136)  | 120   | 2246339  |                |               | 21.59- 81.59   | 51.59  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                |               |                |        |  |
| 17.460                                       | 17.460 | (1.164)  | 105   | 3688788  | 50.0000        | 49.886        | 80.00- 120.00  | 100.00 |  |
| 17.460                                       | 17.460 | (1.164)  | 120   | 1805979  |                |               | 18.96- 78.96   | 48.96  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                |               |                |        |  |
| 17.764                                       | 17.764 | (1.184)  | 146   | 2439199  | 50.0000        | 52.386        | 80.00- 120.00  | 100.00 |  |
| 17.764                                       | 17.764 | (1.184)  | 148   | 1580323  |                |               | 34.79- 94.79   | 64.79  |  |
| 17.764                                       | 17.764 | (1.184)  | 111   | 923885   |                |               | 7.88- 67.88    | 37.88  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                |               |                |        |  |
| 17.847                                       | 17.847 | (1.190)  | 146   | 2997720  | 50.0000        | 55.514        | 80.00- 120.00  | 100.00 |  |
| 17.847                                       | 17.847 | (1.190)  | 148   | 1887422  |                |               | 32.96- 92.96   | 62.96  |  |
| 17.847                                       | 17.847 | (1.190)  | 111   | 1182741  |                |               | 9.45- 69.45    | 39.45  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |                |               |                |        |  |
| 17.985                                       | 17.985 | (1.199)  | 91    | 4213219  | 50.0000        | 56.784        | 80.00- 120.00  | 100.00 |  |
| 17.985                                       | 17.985 | (1.199)  | 126   | 915270   |                |               | 0.00- 51.72    | 21.72  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |                |               |                |        |  |
| 18.206                                       | 18.206 | (1.214)  | 146   | 2412711  | 50.0000        | 50.594        | 80.00- 120.00  | 100.00 |  |
| 18.206                                       | 18.206 | (1.214)  | 148   | 1523674  |                |               | 33.15- 93.15   | 63.15  |  |
| 18.206                                       | 18.206 | (1.214)  | 111   | 903169   |                |               | 7.43- 67.43    | 37.43  |  |
| -----  |        |          |       |          |                |               |                |        |  |

| AMOUNTS |                        |          |       |          |                 |                 |                |        |  |
|---------|------------------------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|
| RT      | EXP RT                 | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |
| ==      | =====                  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 163     | 1,2,4-Trichlorobenzene |          |       |          |                 | CAS #: 120-82-1 |                |        |  |
| 19.506  | 19.506                 | (1.300)  | 180   | 1506790  | 50.0000         | 50.268          | 80.00- 120.00  | 100.00 |  |
| 19.506  | 19.506                 | (1.300)  | 182   | 1439399  |                 |                 | 65.53- 125.53  | 95.53  |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 164     | Hexachlorobutadiene    |          |       |          |                 | CAS #: 87-68-3  |                |        |  |
| 19.589  | 19.589                 | (1.306)  | 225   | 1075378  | 50.0000         | 50.046          | 80.00- 120.00  | 100.00 |  |
| 19.589  | 19.589                 | (1.306)  | 223   | 673271   |                 |                 | 32.61- 92.61   | 62.61  |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 142     | Propylbenzene          |          |       |          |                 | CAS #: 103-65-1 |                |        |  |
| 16.824  | 16.824                 | (1.122)  | 91    | 5451573  | 50.0000         | 53.320          | 80.00- 120.00  | 100.00 |  |
| 16.824  | 16.824                 | (1.122)  | 120   | 1304007  |                 |                 | 0.00- 53.92    | 23.92  |  |
| 16.824  | 16.824                 | (1.122)  | 105   | 201561   |                 |                 | 0.00- 33.70    | 3.70   |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 136     | Cumene                 |          |       |          |                 | CAS #: 98-82-8  |                |        |  |
| 16.326  | 16.326                 | (1.088)  | 105   | 4714153  | 50.0000         | 49.004          | 80.00- 120.00  | 100.00 |  |
| 16.326  | 16.326                 | (1.088)  | 120   | 1337009  |                 |                 | 0.00- 58.36    | 28.36  |  |
| 16.326  | 16.326                 | (1.088)  | 51    | 548911   |                 |                 | 0.00- 41.64    | 11.64  |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 165     | Naphthalene            |          |       |          |                 | CAS #: 91-20-3  |                |        |  |
| 19.672  | 19.672                 | (1.312)  | 128   | 5367649  | 50.0000         | 53.389          | 80.00- 120.00  | 100.00 |  |
| 19.672  | 19.672                 | (1.312)  | 127   | 658674   |                 |                 | 0.00- 42.27    | 12.27  |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 37      | tert-Butyl-Alcohol     |          |       |          |                 | CAS #: 75-65-0  |                |        |  |
| 5.571   | 5.571                  | (0.691)  | 59    | 1139862  | 50.0000         | 48.997          | 80.00- 120.00  | 100.00 |  |
| 5.571   | 5.571                  | (0.691)  | 41    | 294293   |                 |                 | 0.00- 55.82    | 25.82  |  |
| 5.571   | 5.571                  | (0.691)  | 57    | 113430   |                 |                 | 0.00- 39.95    | 9.95   |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 11      | Butane                 |          |       |          |                 | CAS #: 106-97-8 |                |        |  |
| 2.667   | 2.667                  | (0.331)  | 58    | 218931   | 50.0000         | 47.400          | 80.00- 120.00  | 100.00 |  |
| 2.667   | 2.667                  | (0.331)  | 43    | 1867023  |                 |                 | 822.79- 882.79 | 852.79 |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 17      | Isopentane             |          |       |          |                 | CAS #: 78-78-4  |                |        |  |
| 3.414   | 3.414                  | (0.424)  | 43    | 1438165  | 50.0000         | 53.828          | 80.00- 120.00  | 100.00 |  |
| 3.414   | 3.414                  | (0.424)  | 57    | 831452   |                 |                 | 27.81- 87.81   | 57.81  |  |
| 3.414   | 3.414                  | (0.424)  | 72    | 74382    |                 |                 | 0.00- 35.17    | 5.17   |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |
| 94      | Methyl Cyclohexane     |          |       |          |                 | CAS #: 108-87-2 |                |        |  |
| 10.547  | 10.547                 | (1.064)  | 83    | 1667080  | 50.0000         | 52.812          | 80.00- 120.00  | 100.00 |  |
| 10.575  | 10.575                 | (1.067)  | 98    | 816332   |                 |                 | 18.97- 78.97   | 48.97  |  |
| 10.547  | 10.547                 | (1.064)  | 55    | 1683939  |                 |                 | 71.01- 131.01  | 101.01 |  |
| -----   |                        |          |       |          |                 |                 |                |        |  |

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040909.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 5

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 50ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 245525  | 0.00  |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1111535 | 0.00  |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1171390 | 0.00  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

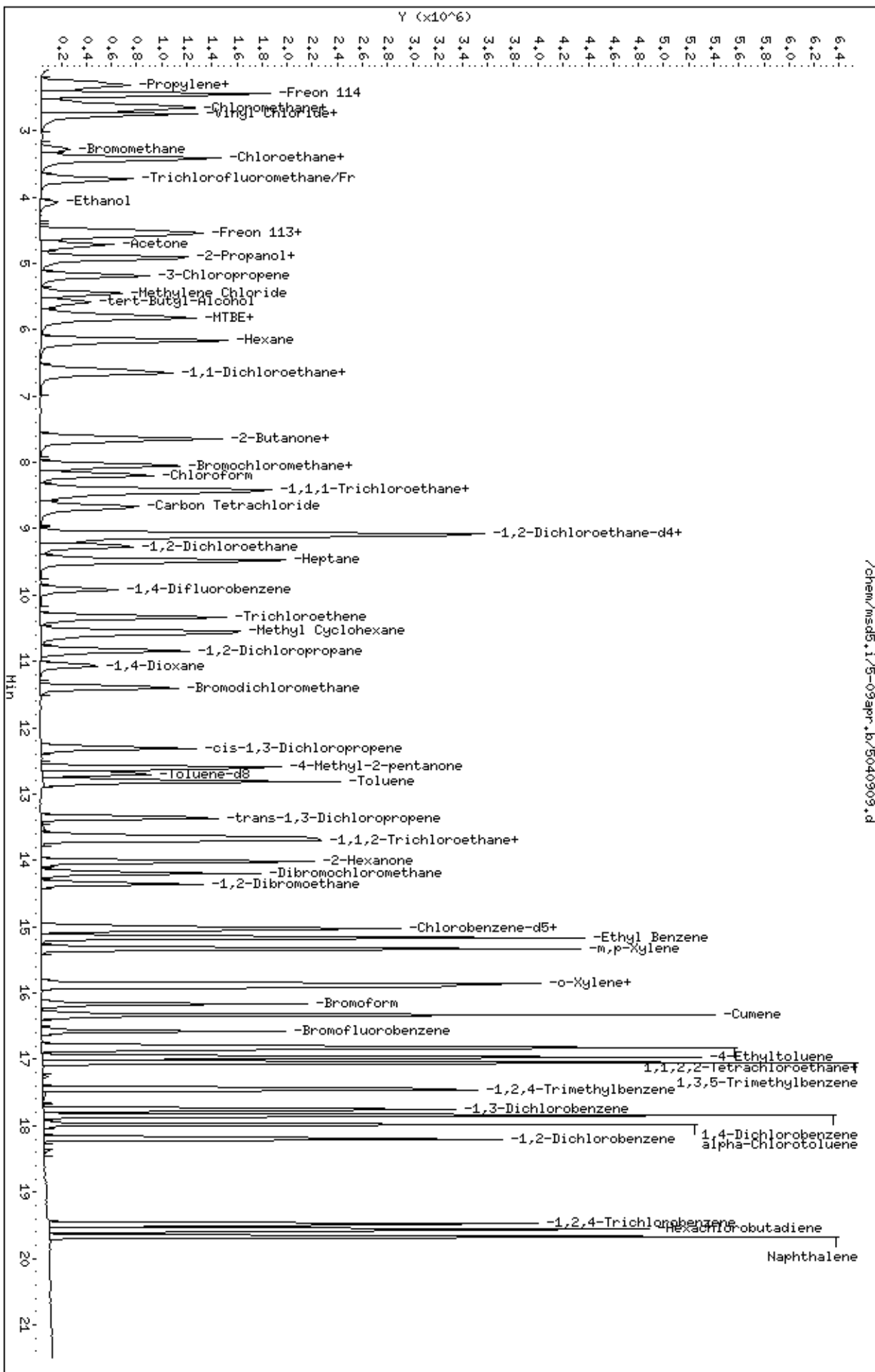


Data File: /chem/msd5.1/5-09apr.b/5040909.d  
Date: 09-APR-2008 13:43  
Client ID: Level 5  
Sample Info: 50mL #1576-326

Column phase: RTX-624

Instrument: msd5.1  
Operator: ct  
Column diameter: 0.53

/chem/msd5.1/5-09apr.b/5040909.d



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040910.d  
 Lab Smp Id: ICAL Client Smp ID: Level 6  
 Inj Date : 09-APR-2008 14:11  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 100mL #1576-326  
 Misc Info : 200ppbv -> 100ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 14:11 Cal File: 5040910.d  
 Als bottle: 1 Calibration Sample, Level: 6  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08mdl.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |        |                |        |  |
|---|--------|----------|-------|----------|---------|--------|----------------|--------|--|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====  |  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |        |                |        |  |
| 8.059   | 8.059  | (1.000)  | 130   | 255427   | 25.0000 |        | 70.00- 130.00  | 100.00 |  |
| 8.059   | 8.059  | (1.000)  | 128   | 203438   |         |        | 48.93- 108.93  | 79.65  |  |
| 8.059   | 8.059  | (1.000)  | 49    | 529375   |         |        | 174.90- 234.90 | 207.25 |  |
| -----   |        |          |       |          |         |        |                |        |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |        |                |        |  |
| 9.912   | 9.912  | (1.000)  | 114   | 1159063  | 25.0000 |        | 70.00- 130.00  | 100.00 |  |
| 9.912   | 9.912  | (1.000)  | 88    | 178125   |         |        | 0.00- 45.06    | 15.37  |  |
| -----   |        |          |       |          |         |        |                |        |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |        |                |        |  |
| 14.999  | 14.999 | (1.000)  | 117   | 1221223  | 25.0000 |        | 70.00- 130.00  | 100.00 |  |
| 14.999  | 14.999 | (1.000)  | 82    | 618307   |         |        | 0.00- 30.00    | 50.63  |  |
| -----   |        |          |       |          |         |        |                |        |  |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |        |                |        |  |
| 9.137   | 9.137  | (1.134)  | 65    | 356522   | 25.0000 | 26.164 | 70.00- 130.00  | 100.00 |  |
| 9.137   | 9.137  | (1.134)  | 67    | 234740   |         |        | 0.00- 30.00    | 65.84  |  |
| -----   |        |          |       |          |         |        |                |        |  |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |        |                |        |  |
| 12.704  | 12.704 | (1.282)  | 98    | 1213601  | 25.0000 | 25.156 | 70.00- 130.00  | 100.00 |  |
| 12.704  | 12.704 | (1.282)  | 70    | 118528   |         |        | 0.00- 30.00    | 9.77   |  |

| AMOUNTS                        |        |          |       |          |                 |                 |                |        |  |  |
|--------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|--------|--|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO  |  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====  |  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                 |                |        |  |  |
| 12.704                         | 12.704 | (1.282)  | 100   | 880827   |                 |                 | 0.00- 30.00    | 72.58  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 460-00-4 |                |        |  |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 749391   | 25.0000         | 25.440          | 70.00- 130.00  | 100.00 |  |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 1024762  |                 |                 | 105.46- 165.46 | 136.75 |  |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 717892   |                 |                 | 67.29- 127.29  | 95.80  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 6 Propylene                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 115-07-1 |                |        |  |  |
| 2.253                          | 2.253  | (0.280)  | 41    | 1588080  | 100.000         | 101.83          | 70.00- 130.00  | 100.00 |  |  |
| 2.253                          | 2.253  | (0.280)  | 42    | 1046233  |                 |                 | 0.00- 30.00    | 65.88  |  |  |
| 2.253                          | 2.253  | (0.280)  | 39    | 1160370  |                 |                 | 0.00- 30.00    | 73.07  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-71-8  |                |        |  |  |
| 2.336                          | 2.336  | (0.290)  | 85    | 2475513  | 100.000         | 98.969          | 70.00- 130.00  | 100.00 |  |  |
| 2.336                          | 2.336  | (0.290)  | 87    | 805791   |                 |                 | 0.00- 30.00    | 32.55  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 9 Freon 114                    |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 76-14-2  |                |        |  |  |
| 2.474                          | 2.474  | (0.307)  | 135   | 2333798  | 100.000         | 100.86          | 70.00- 130.00  | 100.00 |  |  |
| 2.474                          | 2.474  | (0.307)  | 137   | 751444   |                 |                 | 2.26- 62.26    | 32.20  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 10 Chloromethane               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-87-3  |                |        |  |  |
| 2.585                          | 2.585  | (0.321)  | 50    | 2085402  | 100.000         | 100.01          | 70.00- 130.00  | 100.00 |  |  |
| 2.585                          | 2.585  | (0.321)  | 52    | 577995   |                 |                 | 0.00- 30.00    | 27.72  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 13 Vinyl Chloride              |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-01-4  |                |        |  |  |
| 2.778                          | 2.778  | (0.345)  | 62    | 1711697  | 100.000         | 100.70          | 70.00- 130.00  | 100.00 |  |  |
| 2.778                          | 2.778  | (0.345)  | 64    | 514578   |                 |                 | 0.00- 30.00    | 30.06  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 12 1,3-Butadiene               |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 106-99-0 |                |        |  |  |
| 2.750                          | 2.750  | (0.341)  | 54    | 1661041  | 100.000         | 102.09          | 70.00- 130.00  | 100.00 |  |  |
| 2.750                          | 2.750  | (0.341)  | 39    | 2295281  |                 |                 | 0.00- 30.00    | 138.18 |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 15 Bromomethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 74-83-9  |                |        |  |  |
| 3.276                          | 3.276  | (0.406)  | 94    | 1037956  | 100.000         | 104.21          | 70.00- 130.00  | 100.00 |  |  |
| 3.276                          | 3.276  | (0.406)  | 96    | 983822   |                 |                 | 64.97- 124.97  | 94.78  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 19 Chloroethane                |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-00-3  |                |        |  |  |
| 3.414                          | 3.414  | (0.424)  | 64    | 859902   | 100.000         | 104.37          | 70.00- 130.00  | 100.00 |  |  |
| 3.414                          | 3.414  | (0.424)  | 49    | 289794   |                 |                 | 0.00- 30.00    | 33.70  |  |  |
| 3.414                          | 3.414  | (0.424)  | 66    | 258842   |                 |                 | 0.00- 30.00    | 30.10  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 |                 |                |        |  |  |
|                                |        |          |       |          |                 | CAS #: 75-69-4  |                |        |  |  |
| 3.746                          | 3.746  | (0.465)  | 101   | 3002537  | 100.000         | 103.22          | 70.00- 130.00  | 100.00 |  |  |
| 3.746                          | 3.746  | (0.465)  | 103   | 1962888  |                 |                 | 34.72- 94.72   | 65.37  |  |  |
| -----                          |        |          |       |          |                 |                 |                |        |  |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 4.105                       | 4.105  | (0.509)  | 45    | 705957   | 100.000         | 89.542           | 70.00- 130.00  | 100.00 |  |
| 4.105                       | 4.105  | (0.509)  | 43    | 134549   |                 |                  | 0.00- 30.00    | 19.06  |  |
| 4.105                       | 4.105  | (0.509)  | 46    | 291796   |                 |                  | 0.00- 30.00    | 41.33  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 4.520                       | 4.520  | (0.561)  | 151   | 1969309  | 100.000         | 103.03           | 70.00- 130.00  | 100.00 |  |
| 4.520                       | 4.520  | (0.561)  | 153   | 1254322  |                 |                  | 34.83- 94.83   | 63.69  |  |
| 4.520                       | 4.520  | (0.561)  | 101   | 2479224  |                 |                  | 99.93- 159.93  | 125.89 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 4.575                       | 4.575  | (0.568)  | 61    | 2473716  | 100.000         | 101.59           | 70.00- 130.00  | 100.00 |  |
| 4.575                       | 4.575  | (0.568)  | 96    | 1321705  |                 |                  | 22.58- 82.58   | 53.43  |  |
| 4.575                       | 4.575  | (0.568)  | 98    | 859407   |                 |                  | 3.77- 63.77    | 34.74  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 4.714                       | 4.714  | (0.585)  | 58    | 905446   | 100.000         | 102.72           | 70.00- 130.00  | 100.00 |  |
| 4.714                       | 4.714  | (0.585)  | 43    | 3271502  |                 |                  | 0.00- 30.00    | 361.31 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 4.935                       | 4.935  | (0.612)  | 45    | 3936113  | 100.000         | 103.74           | 70.00- 130.00  | 100.00 |  |
| 4.935                       | 4.935  | (0.612)  | 43    | 883338   |                 |                  | 0.00- 30.00    | 22.44  |  |
| 4.935                       | 4.935  | (0.612)  | 59    | 134503   |                 |                  | 0.00- 30.00    | 3.42   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 4.935                       | 4.935  | (0.612)  | 76    | 4034560  | 100.000         | 104.77           | 70.00- 130.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 5.184                       | 5.184  | (0.643)  | 76    | 715885   | 100.000         | 100.30           | 70.00- 130.00  | 100.00 |  |
| 5.184                       | 5.184  | (0.643)  | 41    | 3036577  |                 |                  | 0.00- 30.00    | 424.17 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 5.460                       | 5.460  | (0.678)  | 49    | 2231250  | 100.000         | 100.30           | 70.00- 130.00  | 100.00 |  |
| 5.460                       | 5.460  | (0.678)  | 84    | 1179789  |                 |                  | 23.12- 83.12   | 52.88  |  |
| 5.460                       | 5.460  | (0.678)  | 51    | 670200   |                 |                  | 0.00- 30.00    | 30.04  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 5.764                       | 5.764  | (0.715)  | 73    | 2845788  | 100.000         | 115.96           | 70.00- 130.00  | 100.00 |  |
| 5.764                       | 5.764  | (0.715)  | 57    | 876326   |                 |                  | 0.50- 60.50    | 30.79  |  |
| 5.764                       | 5.764  | (0.715)  | 41    | 971653   |                 |                  | 0.00- 30.00    | 34.14  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 5.820                       | 5.820  | (0.722)  | 96    | 1609606  | 100.000         | 102.46           | 70.00- 130.00  | 100.00 |  |
| 5.820                       | 5.820  | (0.722)  | 61    | 2627285  |                 |                  | 134.04- 194.04 | 163.23 |  |
| 5.820                       | 5.820  | (0.722)  | 98    | 1029215  |                 |                  | 0.00- 30.00    | 63.94  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                |         |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|---------|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO   |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====   |
| 51 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |         |
| 6.151                     | 6.151  | (0.763)  | 57    | 3382122  | 100.000         | 101.60          | 70.00- 130.00  | 100.00  |
| 6.151                     | 6.151  | (0.763)  | 43    | 2519860  |                 |                 | 0.00- 30.00    | 74.51   |
| 6.179                     | 6.179  | (0.767)  | 86    | 462842   |                 |                 | 0.00- 30.00    | 13.68   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 55 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |         |
| 6.594                     | 6.594  | (0.818)  | 63    | 3032445  | 100.000         | 103.47          | 70.00- 130.00  | 100.00  |
| 6.594                     | 6.594  | (0.818)  | 65    | 903192   |                 |                 | 0.00- 59.38    | 29.78   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 67 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |         |
| 7.672                     | 7.672  | (0.952)  | 72    | 821622   | 100.000         | 103.30          | 70.00- 130.00  | 100.00  |
| 7.644                     | 7.644  | (0.949)  | 43    | 4852508  |                 |                 | 572.61- 632.61 | 590.60  |
| 7.672                     | 7.672  | (0.952)  | 57    | 328168   |                 |                 | 0.00- 30.00    | 39.94   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 66 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |         |
| 7.617                     | 7.617  | (0.945)  | 61    | 2345096  | 100.000         | 101.97          | 70.00- 130.00  | 100.00  |
| 7.644                     | 7.644  | (0.949)  | 96    | 1622539  |                 |                 | 40.21- 100.21  | 69.19   |
| 7.644                     | 7.644  | (0.949)  | 98    | 1064470  |                 |                 | 15.96- 75.96   | 45.39   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 70 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |         |
| 8.031                     | 8.031  | (0.997)  | 42    | 2921211  | 100.000         | 99.515          | 70.00- 130.00  | 100.00  |
| 8.031                     | 8.031  | (0.997)  | 71    | 744884   |                 |                 | 0.00- 55.28    | 25.50   |
| 8.031                     | 8.031  | (0.997)  | 72    | 812694   |                 |                 | 0.00- 30.00    | 27.82   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 72 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |         |
| 8.197                     | 8.197  | (1.017)  | 83    | 2752010  | 100.000         | 90.206          | 70.00- 130.00  | 100.00  |
| 8.197                     | 8.197  | (1.017)  | 85    | 1798103  |                 |                 | 35.62- 95.62   | 65.34   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 75 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |         |
| 8.446                     | 8.446  | (1.048)  | 97    | 2753177  | 100.000         | 104.35          | 70.00- 130.00  | 100.00  |
| 8.446                     | 8.446  | (1.048)  | 99    | 1784987  |                 |                 | 35.49- 95.49   | 64.83   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 74 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |         |
| 8.419                     | 8.419  | (1.045)  | 84    | 2301022  | 100.000         | 101.56          | 70.00- 130.00  | 100.00  |
| 8.419                     | 8.419  | (1.045)  | 56    | 3638724  |                 |                 | 127.74- 187.74 | 158.14  |
| 8.419                     | 8.419  | (1.045)  | 41    | 2147660  |                 |                 | 65.80- 125.80  | 93.34   |
| -----                     |        |          |       |          |                 |                 |                |         |
| 56 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |         |
| 6.649                     | 6.649  | (0.825)  | 86    | 445429   | 100.000         | 105.98          | 70.00- 130.00  | 100.00  |
| 6.649                     | 6.649  | (0.825)  | 43    | 6336640  |                 |                 | 0.00- 30.00    | 1422.59 |
| 6.649                     | 6.649  | (0.825)  | 42    | 486174   |                 |                 | 0.00- 30.00    | 109.15  |
| -----                     |        |          |       |          |                 |                 |                |         |
| 77 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |         |
| 8.667                     | 8.667  | (1.075)  | 119   | 2564646  | 100.000         | 106.34          | 70.00- 130.00  | 100.00  |
| 8.667                     | 8.667  | (1.075)  | 117   | 2639678  |                 |                 | 73.84- 133.84  | 102.93  |
| -----                     |        |          |       |          |                 |                 |                |         |

| AMOUNTS |                         |          |       |          |                 |                   |               |        |  |  |
|---------|-------------------------|----------|-------|----------|-----------------|-------------------|---------------|--------|--|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE  | RATIO  |  |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====             | =====         | =====  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #: 540-84-1   |               |        |  |  |
| 9.082   | 9.082                   | (1.127)  | 57    | 11105629 | 100.000         | 103.80            | 70.00- 130.00 | 100.00 |  |  |
| 9.082   | 9.082                   | (1.127)  | 56    | 3624506  |                 |                   | 0.00- 30.00   | 32.64  |  |  |
| 9.082   | 9.082                   | (1.127)  | 41    | 3051511  |                 |                   | 0.00- 30.00   | 27.48  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 81      | Benzene                 |          |       |          |                 | CAS #: 71-43-2    |               |        |  |  |
| 9.082   | 9.082                   | (0.916)  | 78    | 5286216  | 100.000         | 89.482            | 70.00- 130.00 | 100.00 |  |  |
| 9.082   | 9.082                   | (0.916)  | 77    | 1233749  |                 |                   | 0.00- 30.00   | 23.34  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #: 107-06-2   |               |        |  |  |
| 9.276   | 9.276                   | (0.936)  | 62    | 2146631  | 100.000         | 105.60            | 70.00- 130.00 | 100.00 |  |  |
| 9.276   | 9.276                   | (0.936)  | 64    | 657860   |                 |                   | 0.00- 30.00   | 30.65  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 90      | Heptane                 |          |       |          |                 | CAS #: 142-82-5   |               |        |  |  |
| 9.497   | 9.497                   | (0.958)  | 100   | 666806   | 100.000         | 103.26            | 70.00- 130.00 | 100.00 |  |  |
| 9.469   | 9.469                   | (0.955)  | 43    | 4881761  |                 |                   | 0.00- 30.00   | 732.11 |  |  |
| 9.497   | 9.497                   | (0.958)  | 71    | 1940356  |                 |                   | 0.00- 30.00   | 290.99 |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #: 79-01-6    |               |        |  |  |
| 10.326  | 10.326                  | (1.042)  | 95    | 2168805  | 100.000         | 103.69            | 70.00- 130.00 | 100.00 |  |  |
| 10.326  | 10.326                  | (1.042)  | 130   | 2200839  |                 |                   | 75.19- 135.19 | 101.48 |  |  |
| 10.326  | 10.326                  | (1.042)  | 97    | 1392861  |                 |                   | 35.92- 95.92  | 64.22  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #: 78-87-5    |               |        |  |  |
| 10.852  | 10.852                  | (1.095)  | 63    | 2152924  | 100.000         | 103.11            | 70.00- 130.00 | 100.00 |  |  |
| 10.852  | 10.852                  | (1.095)  | 62    | 1566535  |                 |                   | 42.36- 102.36 | 72.76  |  |  |
| 10.852  | 10.852                  | (1.095)  | 41    | 1411755  |                 |                   | 36.24- 96.24  | 65.57  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #: 123-91-1   |               |        |  |  |
| 11.073  | 11.073                  | (1.117)  | 88    | 1379674  | 100.000         | 102.91            | 70.00- 130.00 | 100.00 |  |  |
| 11.073  | 11.073                  | (1.117)  | 58    | 1159785  |                 |                   | 55.93- 115.93 | 84.06  |  |  |
| 11.073  | 11.073                  | (1.117)  | 57    | 363068   |                 |                   | 0.00- 30.00   | 26.32  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #: 75-27-4    |               |        |  |  |
| 11.405  | 11.405                  | (1.151)  | 83    | 3035293  | 100.000         | 104.89            | 70.00- 130.00 | 100.00 |  |  |
| 11.405  | 11.405                  | (1.151)  | 85    | 1937443  |                 |                   | 34.29- 94.29  | 63.83  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #: 10061-01-5 |               |        |  |  |
| 12.317  | 12.317                  | (1.243)  | 75    | 2626294  | 100.000         | 104.04            | 70.00- 130.00 | 100.00 |  |  |
| 12.317  | 12.317                  | (1.243)  | 77    | 846295   |                 |                   | 2.88- 62.88   | 32.22  |  |  |
| 12.317  | 12.317                  | (1.243)  | 39    | 1792904  |                 |                   | 38.55- 98.55  | 68.27  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #: 108-10-1   |               |        |  |  |
| 12.594  | 12.594                  | (1.271)  | 58    | 2094652  | 100.000         | 102.88            | 70.00- 130.00 | 100.00 |  |  |
| 12.594  | 12.594                  | (1.271)  | 43    | 5853813  |                 |                   | 0.00- 30.00   | 279.46 |  |  |
| 12.594  | 12.594                  | (1.271)  | 85    | 735169   |                 |                   | 0.00- 30.00   | 35.10  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |

| AMOUNTS                       |        |          |       |          |                 |                |              |        |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|--------------|--------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====        | =====  |        |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #:         | 108-88-3     |        |        |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 6268584  | 100.000         | 101.80         | 70.00-       | 130.00 | 100.00 |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 3777095  |                 |                | 28.92-       | 88.92  | 60.25  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #:         | 10061-02-6   |        |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 2530200  | 100.000         | 105.01         | 70.00-       | 130.00 | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 810560   |                 |                | 2.45-        | 62.45  | 32.04  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 1800399  |                 |                | 41.02-       | 101.02 | 71.16  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #:         | 79-00-5      |        |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 2136929  | 100.000         | 102.61         | 70.00-       | 130.00 | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 1341485  |                 |                | 33.86-       | 93.86  | 62.78  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 1816856  |                 |                | 54.90-       | 114.90 | 85.02  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #:         | 127-18-4     |        |        |  |
| 13.700                        | 13.700 | (0.913)  | 166   | 2648722  | 100.000         | 103.96         | 70.00-       | 130.00 | 100.00 |  |
| 13.700                        | 13.700 | (0.913)  | 129   | 1994345  |                 |                | 44.47-       | 104.47 | 75.29  |  |
| 13.700                        | 13.700 | (0.913)  | 131   | 1909433  |                 |                | 41.24-       | 101.24 | 72.09  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #:         | 591-78-6     |        |        |  |
| 14.004                        | 14.004 | (0.934)  | 58    | 2967972  | 100.000         | 102.31         | 70.00-       | 130.00 | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 5949092  |                 |                | 172.69-      | 232.69 | 200.44 |  |
| 14.004                        | 14.004 | (0.934)  | 100   | 521563   |                 |                | 0.00-        | 30.00  | 17.57  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #:         | 124-48-1     |        |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 3046162  | 100.000         | 107.54         | 70.00-       | 130.00 | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 2349323  |                 |                | 0.00-        | 30.00  | 77.12  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #:         | 106-93-4     |        |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 3367726  | 100.000         | 103.87         | 70.00-       | 130.00 | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 3181529  |                 |                | 65.04-       | 125.04 | 94.47  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #:         | 108-90-7     |        |        |  |
| 15.027                        | 15.027 | (1.002)  | 112   | 5026615  | 100.000         | 102.55         | 70.00-       | 130.00 | 100.00 |  |
| 15.027                        | 15.027 | (1.002)  | 114   | 1601978  |                 |                | 2.03-        | 62.03  | 31.87  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 2851193  |                 |                | 26.76-       | 86.76  | 56.72  |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #:         | 100-41-4     |        |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 2833296  | 100.000         | 102.04         | 70.00-       | 130.00 | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 8477997  |                 |                | 0.00-        | 30.00  | 299.23 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #:         | 108-38-3     |        |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 3626256  | 100.000         | 103.25         | 70.00-       | 130.00 | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 6816608  |                 |                | 0.00-        | 30.00  | 187.98 |  |
| -----                         |        |          |       |          |                 |                |              |        |        |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #:         | 95-47-6      |        |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 3294802  | 100.000         | 100.80         | 70.00-       | 130.00 | 100.00 |  |

| AMOUNTS                       |        |          |       |          |                 |                |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |
| 132 o-Xylene (continued)      |        |          |       |          |                 |                |                |        |  |
| 15.856                        | 15.856 | (1.057)  | 91    | 6604712  |                 |                | 169.15- 229.15 | 200.46 |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 133 Styrene                   |        |          |       |          |                 |                |                |        |  |
| 15.912                        | 15.912 | (1.061)  | 104   | 5483598  | 100.000         | 93.239         | 70.00- 130.00  | 100.00 |  |
| 15.912                        | 15.912 | (1.061)  | 78    | 2410332  |                 |                | 12.91- 72.91   | 43.96  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 134 Bromoform                 |        |          |       |          |                 |                |                |        |  |
| 16.160                        | 16.160 | (1.077)  | 173   | 2960307  | 100.000         | 110.76         | 70.00- 130.00  | 100.00 |  |
| 16.160                        | 16.160 | (1.077)  | 171   | 1550949  |                 |                | 21.95- 81.95   | 52.39  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 141 1,1,2,2-Tetrachloroethane |        |          |       |          |                 |                |                |        |  |
| 16.796                        | 16.796 | (1.120)  | 83    | 4800205  | 100.000         | 102.84         | 70.00- 130.00  | 100.00 |  |
| 16.796                        | 16.796 | (1.120)  | 85    | 3119034  |                 |                | 34.75- 94.75   | 64.98  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 144 4-Ethyltoluene            |        |          |       |          |                 |                |                |        |  |
| 16.962                        | 16.962 | (1.131)  | 105   | 10214017 | 100.000         | 105.29         | 70.00- 130.00  | 100.00 |  |
| 16.962                        | 16.962 | (1.131)  | 120   | 3175405  |                 |                | 1.07- 61.07    | 31.09  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 147 1,3,5-Trimethylbenzene    |        |          |       |          |                 |                |                |        |  |
| 17.045                        | 17.045 | (1.136)  | 105   | 8875387  | 100.000         | 99.259         | 70.00- 130.00  | 100.00 |  |
| 17.045                        | 17.045 | (1.136)  | 120   | 4581413  |                 |                | 0.00- 30.00    | 51.62  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 152 1,2,4-Trimethylbenzene    |        |          |       |          |                 |                |                |        |  |
| 17.460                        | 17.460 | (1.164)  | 105   | 7545324  | 100.000         | 98.294         | 70.00- 130.00  | 100.00 |  |
| 17.460                        | 17.460 | (1.164)  | 120   | 3654407  |                 |                | 18.96- 78.96   | 48.43  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 155 1,3-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 17.764                        | 17.764 | (1.184)  | 146   | 4958579  | 100.000         | 101.60         | 70.00- 130.00  | 100.00 |  |
| 17.764                        | 17.764 | (1.184)  | 148   | 3163886  |                 |                | 0.00- 30.00    | 63.81  |  |
| 17.764                        | 17.764 | (1.184)  | 111   | 1885920  |                 |                | 0.00- 30.00    | 38.03  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 156 1,4-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 17.847                        | 17.847 | (1.190)  | 146   | 6182236  | 100.000         | 107.18         | 70.00- 130.00  | 100.00 |  |
| 17.847                        | 17.847 | (1.190)  | 148   | 3951665  |                 |                | 0.00- 30.00    | 63.92  |  |
| 17.847                        | 17.847 | (1.190)  | 111   | 2401341  |                 |                | 0.00- 30.00    | 38.84  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 157 alpha-Chlorotoluene       |        |          |       |          |                 |                |                |        |  |
| 17.985                        | 17.985 | (1.199)  | 91    | 8969074  | 100.000         | 111.50         | 70.00- 130.00  | 100.00 |  |
| 17.985                        | 17.985 | (1.199)  | 126   | 1961538  |                 |                | 0.00- 30.00    | 21.87  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |
| 159 1,2-Dichlorobenzene       |        |          |       |          |                 |                |                |        |  |
| 18.206                        | 18.206 | (1.214)  | 146   | 4918757  | 100.000         | 99.199         | 70.00- 130.00  | 100.00 |  |
| 18.206                        | 18.206 | (1.214)  | 148   | 3160617  |                 |                | 33.15- 93.15   | 64.26  |  |
| 18.206                        | 18.206 | (1.214)  | 111   | 1888370  |                 |                | 7.43- 67.43    | 38.39  |  |
| -----                         |        |          |       |          |                 |                |                |        |  |



| AMOUNTS |                        |          |       |          |                 |                 |               |        |  |
|---------|------------------------|----------|-------|----------|-----------------|-----------------|---------------|--------|--|
| RT      | EXP RT                 | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO  |  |
| ==      | =====                  | =====    | ===== | =====    | =====           | =====           | =====         | =====  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 163     | 1,2,4-Trichlorobenzene |          |       |          |                 | CAS #: 120-82-1 |               |        |  |
| 19.506  | 19.506                 | (1.300)  | 180   | 3321410  | 100.000         | 104.64          | 70.00- 130.00 | 100.00 |  |
| 19.506  | 19.506                 | (1.300)  | 182   | 3148145  |                 |                 | 65.53- 125.53 | 94.78  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 164     | Hexachlorobutadiene    |          |       |          |                 | CAS #: 87-68-3  |               |        |  |
| 19.589  | 19.589                 | (1.306)  | 225   | 2288145  | 100.000         | 101.60          | 70.00- 130.00 | 100.00 |  |
| 19.589  | 19.589                 | (1.306)  | 223   | 1432025  |                 |                 | 32.61- 92.61  | 62.58  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 142     | Propylbenzene          |          |       |          |                 | CAS #: 103-65-1 |               |        |  |
| 16.824  | 16.824                 | (1.122)  | 91    | 11235859 | 100.000         | 104.00          | 70.00- 130.00 | 100.00 |  |
| 16.824  | 16.824                 | (1.122)  | 120   | 2645932  |                 |                 | 0.00- 30.00   | 23.55  |  |
| 16.824  | 16.824                 | (1.122)  | 105   | 414713   |                 |                 | 0.00- 30.00   | 3.69   |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 136     | Cumene                 |          |       |          |                 | CAS #: 98-82-8  |               |        |  |
| 16.326  | 16.326                 | (1.088)  | 105   | 9691634  | 100.000         | 97.289          | 70.00- 130.00 | 100.00 |  |
| 16.326  | 16.326                 | (1.088)  | 120   | 2679251  |                 |                 | 0.00- 30.00   | 27.64  |  |
| 16.326  | 16.326                 | (1.088)  | 51    | 1114313  |                 |                 | 0.00- 30.00   | 11.50  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 165     | Naphthalene            |          |       |          |                 | CAS #: 91-20-3  |               |        |  |
| 19.672  | 19.672                 | (1.312)  | 128   | 11468497 | 100.000         | 106.90          | 70.00- 130.00 | 100.00 |  |
| 19.672  | 19.672                 | (1.312)  | 127   | 1463990  |                 |                 | 0.00- 30.00   | 12.77  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 37      | tert-Butyl-Alcohol     |          |       |          |                 | CAS #: 75-65-0  |               |        |  |
| 5.571   | 5.571                  | (0.691)  | 59    | 2024806  | 100.000         | 87.225          | 70.00- 130.00 | 100.00 |  |
| 5.571   | 5.571                  | (0.691)  | 41    | 532995   |                 |                 | 0.00- 30.00   | 26.32  |  |
| 5.571   | 5.571                  | (0.691)  | 57    | 212380   |                 |                 | 0.00- 30.00   | 10.49  |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 11      | Butane                 |          |       |          |                 | CAS #: 106-97-8 |               |        |  |
| 2.695   | 2.695                  | (0.334)  | 58    | 428705   | 100.000         | 91.691          | 70.00- 130.00 | 100.00 |  |
| 2.695   | 2.695                  | (0.334)  | 43    | 3631370  |                 |                 | 0.00- 30.00   | 847.06 |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 17      | Isopentane             |          |       |          |                 | CAS #: 78-78-4  |               |        |  |
| 3.414   | 3.414                  | (0.424)  | 43    | 2892954  | 100.000         | 103.03          | 70.00- 130.00 | 100.00 |  |
| 3.414   | 3.414                  | (0.424)  | 57    | 1641513  |                 |                 | 0.00- 30.00   | 56.74  |  |
| 3.414   | 3.414                  | (0.424)  | 72    | 147573   |                 |                 | 0.00- 30.00   | 5.10   |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |
| 94      | Methyl Cyclohexane     |          |       |          |                 | CAS #: 108-87-2 |               |        |  |
| 10.575  | 10.575                 | (1.067)  | 83    | 3337173  | 100.000         | 101.03          | 70.00- 130.00 | 100.00 |  |
| 10.575  | 10.575                 | (1.067)  | 98    | 1638750  |                 |                 | 0.00- 30.00   | 49.11  |  |
| 10.548  | 10.548                 | (1.064)  | 55    | 3385508  |                 |                 | 0.00- 30.00   | 101.45 |  |
| -----   |                        |          |       |          |                 |                 |               |        |  |

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040910.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 6

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 100ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 255427  | 4.03  |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1159063 | 4.28  |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1221223 | 4.25  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.06   | 0.00  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

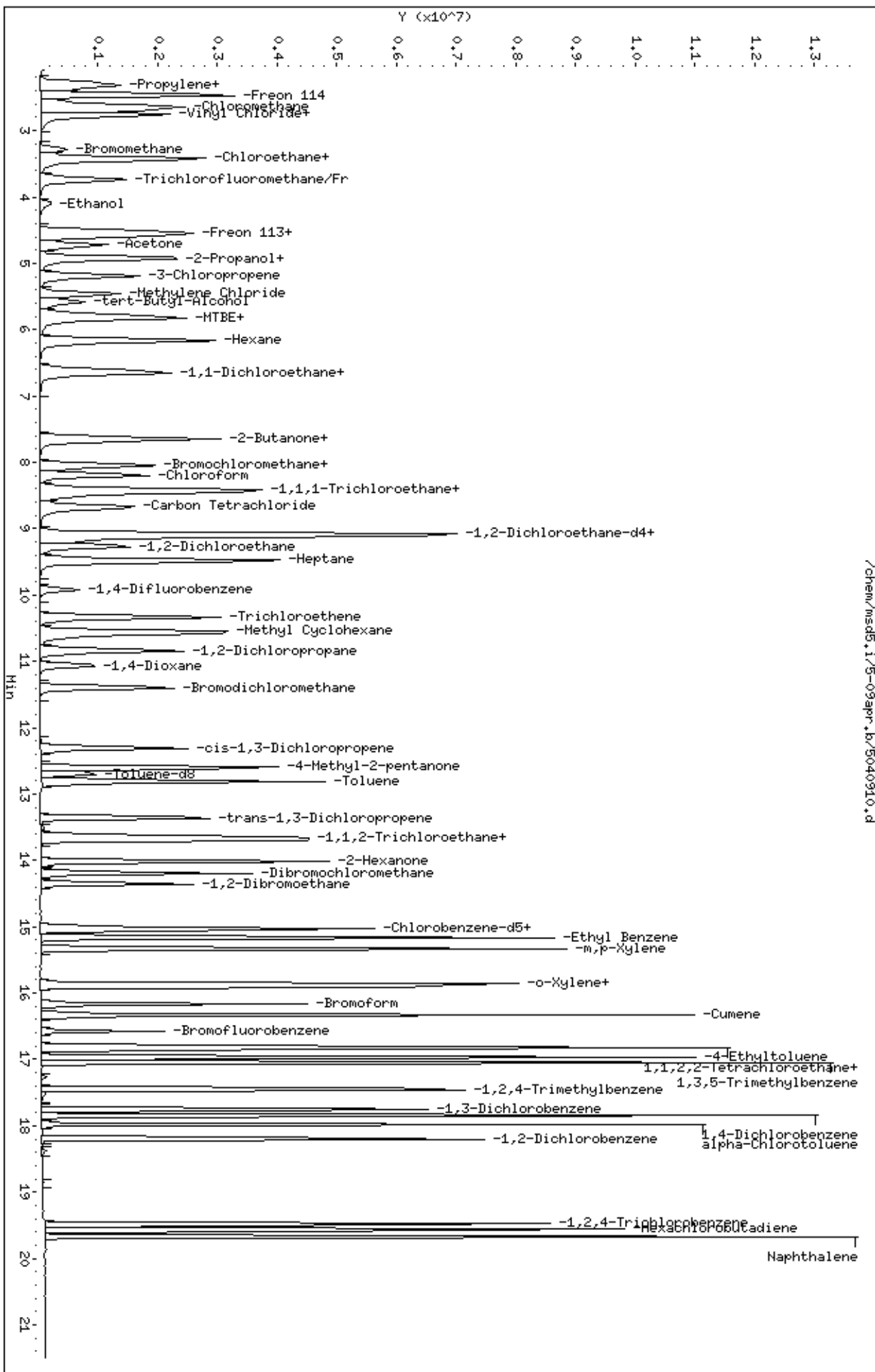
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-09apr.b/5040910.d  
Date: 09-APR-2008 14:11  
Client ID: Level 6  
Sample Info: 100mL #1576-326

Column phase: RTX-624

Instrument: msd5.1  
Operator: ct  
Column diameter: 0.53

/chem/msd5.1/5-09apr.b/5040910.d



Report Date: 11-Apr-2008 15:48

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041008.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 7  
 Inj Date : 10-APR-2008 12:52  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 200mL #1576-319  
 Misc Info : 200ppbv -> 200ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 11-Apr-2008 07:33 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1 Calibration Sample, Level: 7  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp19a.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) | ON-COL | TARGET RANGE   | RATIO     |  |
| ==                                       | =====  | =====    | ===== | =====    | =====   | =====  | =====          | =====     |  |
| * 71 Bromochloromethane CAS #: 74-97-5   |        |          |       |          |         |        |                |           |  |
| 8.087                                    | 8.059  | (1.000)  | 130   | 236771   | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 8.087                                    | 8.059  | (1.000)  | 128   | 181097   |         |        | 45.23- 105.23  | 76.49     |  |
| 8.087                                    | 8.059  | (1.000)  | 49    | 473962   |         |        | 169.46- 229.46 | 200.18    |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3 |        |          |       |          |         |        |                |           |  |
| 9.939                                    | 9.912  | (1.000)  | 114   | 1005164  | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 9.911                                    | 9.912  | (1.000)  | 88    | 153240   |         |        | 0.00- 44.71    | 15.25     |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4  |        |          |       |          |         |        |                |           |  |
| 14.999                                   | 14.999 | (1.000)  | 117   | 1100580  | 25.0000 |        | 80.00- 120.00  | 100.00    |  |
| 14.999                                   | 14.999 | (1.000)  | 82    | 552687   |         |        | 0.00- 30.00    | 50.22     |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| 7 Isobutane CAS #: 75-28-5               |        |          |       |          |         |        |                |           |  |
| 2.501                                    | 2.474  | (0.309)  | 43    | 6814081  | 200.000 | 190.10 | 80.00- 120.00  | 100.00    |  |
| 2.501                                    | 2.474  | (0.309)  | 42    | 2298904  |         |        | 0.00- 30.00    | 33.74     |  |
| 2.501                                    | 2.474  | (0.309)  | 58    | 175195   |         |        | 0.00- 30.00    | 2.57      |  |
| -----                                    |        |          |       |          |         |        |                |           |  |
| 18 Pentane CAS #: 109-66-0               |        |          |       |          |         |        |                |           |  |
| 3.829                                    | 3.801  | (0.473)  | 43    | 7581128  | 200.000 | 213.94 | 80.00- 120.00  | 100.00(A) |  |

| AMOUNTS                |        |          |       |          |                 |                 |               |            |  |
|------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|------------|--|
| RT                     | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO      |  |
| ==                     | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====      |  |
| 18 Pentane (continued) |        |          |       |          |                 |                 |               |            |  |
| 3.829                  | 3.801  | (0.473)  | 57    | 956309   |                 |                 | 0.00- 30.00   | 12.61      |  |
| 3.829                  | 3.801  | (0.473)  | 72    | 534931   |                 |                 | 0.00- 30.00   | 7.06       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 25 Acrolein            |        |          |       |          |                 | CAS #: 107-02-8 |               |            |  |
| 4.520                  | 4.492  | (0.559)  | 55    | 1045330  | 200.000         | 233.35          | 80.00- 120.00 | 100.00(A)  |  |
| 4.520                  | 4.492  | (0.559)  | 56    | 1482869  |                 |                 | 0.00- 30.00   | 141.86     |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 34 Acetonitrile        |        |          |       |          |                 | CAS #: 75-05-8  |               |            |  |
| 5.294                  | 5.294  | (0.655)  | 41    | 1675561  | 200.000         | 143.62          | 80.00- 120.00 | 100.00     |  |
| 5.322                  | 5.294  | (0.658)  | 38    | 208657   |                 |                 | 0.00- 30.00   | 12.45      |  |
| 5.405                  | 5.294  | (0.668)  | 40    | 2079322  |                 |                 | 0.00- 30.00   | 124.10     |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 39 Acrylonitrile       |        |          |       |          |                 | CAS #: 107-13-1 |               |            |  |
| 5.958                  | 5.958  | (0.737)  | 53    | 3432505  | 200.000         | 218.12          | 80.00- 120.00 | 100.00(A)  |  |
| 5.958                  | 5.958  | (0.737)  | 52    | 2612820  |                 |                 | 0.00- 30.00   | 76.12      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 42 1-Pentene           |        |          |       |          |                 | CAS #: 109-67-1 |               |            |  |
| 3.746                  | 3.746  | (0.463)  | 55    | 3693995  | 200.000         | 200.53          | 80.00- 120.00 | 100.00(TA) |  |
| 3.746                  | 3.746  | (0.463)  | 42    | 9663828  |                 |                 | 0.00- 30.00   | 261.61     |  |
| 0.000                  | 3.746  | (0.000)  | 0     | 0        |                 |                 | 0.00- 30.00   | 0.00       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 44 Ethyl Ether         |        |          |       |          |                 | CAS #: 60-29-7  |               |            |  |
| 4.188                  | 4.161  | (0.518)  | 74    | 1401038  | 200.000         | 208.67          | 80.00- 120.00 | 100.00(TA) |  |
| 4.188                  | 4.161  | (0.518)  | 59    | 2412755  |                 |                 | 0.00- 30.00   | 172.21     |  |
| 0.000                  | 4.161  | (0.000)  | 31    | 0        |                 |                 | 0.00- 30.00   | 0.00       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 53 Iodomethane         |        |          |       |          |                 | CAS #: 74-88-4  |               |            |  |
| 4.879                  | 4.852  | (0.603)  | 142   | 5510184  | 200.000         | 202.20          | 80.00- 120.00 | 100.00(A)  |  |
| 4.879                  | 4.852  | (0.603)  | 127   | 1853577  |                 |                 | 0.00- 30.00   | 33.64      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 58 1-Hexene            |        |          |       |          |                 | CAS #: 592-41-6 |               |            |  |
| 6.040                  | 6.041  | (0.747)  | 55    | 2773187  | 200.000         | 203.82          | 80.00- 120.00 | 100.00(A)  |  |
| 6.040                  | 6.041  | (0.747)  | 41    | 4849994  |                 |                 | 0.00- 30.00   | 174.89     |  |
| 6.068                  | 6.041  | (0.750)  | 84    | 891101   |                 |                 | 0.00- 30.00   | 32.13      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 62 Methyl Acrylate     |        |          |       |          |                 | CAS #: 96-33-3  |               |            |  |
| 7.782                  | 7.783  | (0.962)  | 55    | 7012634  | 200.000         | 225.39          | 80.00- 120.00 | 100.00(A)  |  |
| 7.810                  | 7.783  | (0.966)  | 85    | 885471   |                 |                 | 0.00- 30.00   | 12.63      |  |
| 7.782                  | 7.783  | (0.962)  | 58    | 628918   |                 |                 | 0.00- 30.00   | 8.97       |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |
| 86 2-Pentanone         |        |          |       |          |                 | CAS #: 107-87-9 |               |            |  |
| 10.796                 | 10.796 | (1.086)  | 43    | 12579540 | 200.000         | 219.84          | 80.00- 120.00 | 100.00(A)  |  |
| 10.796                 | 10.796 | (1.086)  | 58    | 860157   |                 |                 | 0.00- 30.00   | 6.84       |  |
| 10.796                 | 10.796 | (1.086)  | 86    | 1679620  |                 |                 | 0.00- 30.00   | 13.35      |  |
| -----                  |        |          |       |          |                 |                 |               |            |  |

| AMOUNTS                         |        |          |       |          |                 |                 |               |           |  |
|---------------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|-----------|--|
| RT                              | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO     |  |
| ==                              | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 88 Ethyl Acrylate               |        |          |       |          |                 | CAS #: 140-88-5 |               |           |  |
| 10.630                          | 10.630 | (1.070)  | 55    | 9514557  | 200.000         | 219.21          | 80.00- 120.00 | 100.00(A) |  |
| 10.630                          | 10.630 | (1.070)  | 99    | 584157   |                 |                 | 0.00- 30.00   | 6.14      |  |
| 10.603                          | 10.630 | (1.067)  | 45    | 985376   |                 |                 | 0.00- 30.00   | 10.36     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 95 Dibromomethane               |        |          |       |          |                 | CAS #: 74-95-3  |               |           |  |
| 11.100                          | 11.073 | (1.117)  | 174   | 3337383  | 200.000         | 225.25          | 80.00- 120.00 | 100.00(A) |  |
| 11.073                          | 11.073 | (1.114)  | 93    | 3205783  |                 |                 | 0.00- 30.00   | 96.06     |  |
| 11.073                          | 11.073 | (1.114)  | 95    | 2727382  |                 |                 | 0.00- 30.00   | 81.72     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 96 Methyl Methacrylate          |        |          |       |          |                 | CAS #: 80-62-6  |               |           |  |
| 11.073                          | 11.073 | (1.114)  | 41    | 6772673  | 200.000         | 219.88          | 80.00- 120.00 | 100.00(A) |  |
| 11.073                          | 11.073 | (1.114)  | 69    | 3680601  |                 |                 | 0.00- 30.00   | 54.34     |  |
| 11.073                          | 11.073 | (1.114)  | 100   | 1478217  |                 |                 | 0.00- 30.00   | 21.83     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 109 trans-1,4-dichloro-2-butene |        |          |       |          |                 | CAS #: 110-57-6 |               |           |  |
| 16.879                          | 16.879 | (1.125)  | 89    | 1484634  | 200.000         | 234.02          | 80.00- 120.00 | 100.00(A) |  |
| 16.879                          | 16.879 | (1.125)  | 53    | 2609159  |                 |                 | 0.00- 30.00   | 175.74    |  |
| 16.879                          | 16.879 | (1.125)  | 124   | 557636   |                 |                 | 0.00- 30.00   | 37.56     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 112 Alphanemethylstyrene        |        |          |       |          |                 | CAS #: 98-83-9  |               |           |  |
| 17.294                          | 17.294 | (1.153)  | 118   | 7948687  | 200.000         | 217.66          | 80.00- 120.00 | 100.00(A) |  |
| 17.294                          | 17.294 | (1.153)  | 103   | 4385430  |                 |                 | 0.00- 30.00   | 55.17     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 117 Bis(2-chloroethyl) ether    |        |          |       |          |                 | CAS #: 111-44-4 |               |           |  |
| 17.709                          | 17.709 | (1.181)  | 93    | 7701016  | 200.000         | 223.70          | 80.00- 120.00 | 100.00(A) |  |
| 17.709                          | 17.709 | (1.181)  | 95    | 2449453  |                 |                 | 0.00- 30.00   | 31.81     |  |
| 17.709                          | 17.709 | (1.181)  | 63    | 6197139  |                 |                 | 0.00- 30.00   | 80.47     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 127 Nonane                      |        |          |       |          |                 | CAS #: 111-84-2 |               |           |  |
| 15.331                          | 15.331 | (1.022)  | 43    | 12254684 | 200.000         | 214.86          | 80.00- 120.00 | 100.00(A) |  |
| 15.331                          | 15.331 | (1.022)  | 57    | 9554547  |                 |                 | 0.00- 30.00   | 77.97     |  |
| 15.331                          | 15.331 | (1.022)  | 85    | 3092485  |                 |                 | 0.00- 30.00   | 25.24     |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |
| 193 Cyclopentane                |        |          |       |          |                 | CAS #: 287-92-3 |               |           |  |
| 5.432                           | 5.405  | (0.672)  | 70    | 1762394  | 200.000         | 210.30          | 80.00- 120.00 | 100.00(A) |  |
| 5.432                           | 5.405  | (0.672)  | 55    | 3049788  |                 |                 | 0.00- 30.00   | 173.05    |  |
| -----                           |        |          |       |          |                 |                 |               |           |  |

QC Flag Legend

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

Report Date: 11-Apr-2008 15:48

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041008.d

Calibration Time: 14:19

Lab Smp Id: Sp ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 200ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 225889   | 135533     | 316245  | 236771  | 4.82  |
| 92 1,4-Difluorobenze | 1007938  | 604763     | 1411113 | 1005164 | -0.28 |
| 125 Chlorobenzene-d5 | 1095270  | 657162     | 1533378 | 1100580 | 0.48  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 0.00  |

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

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

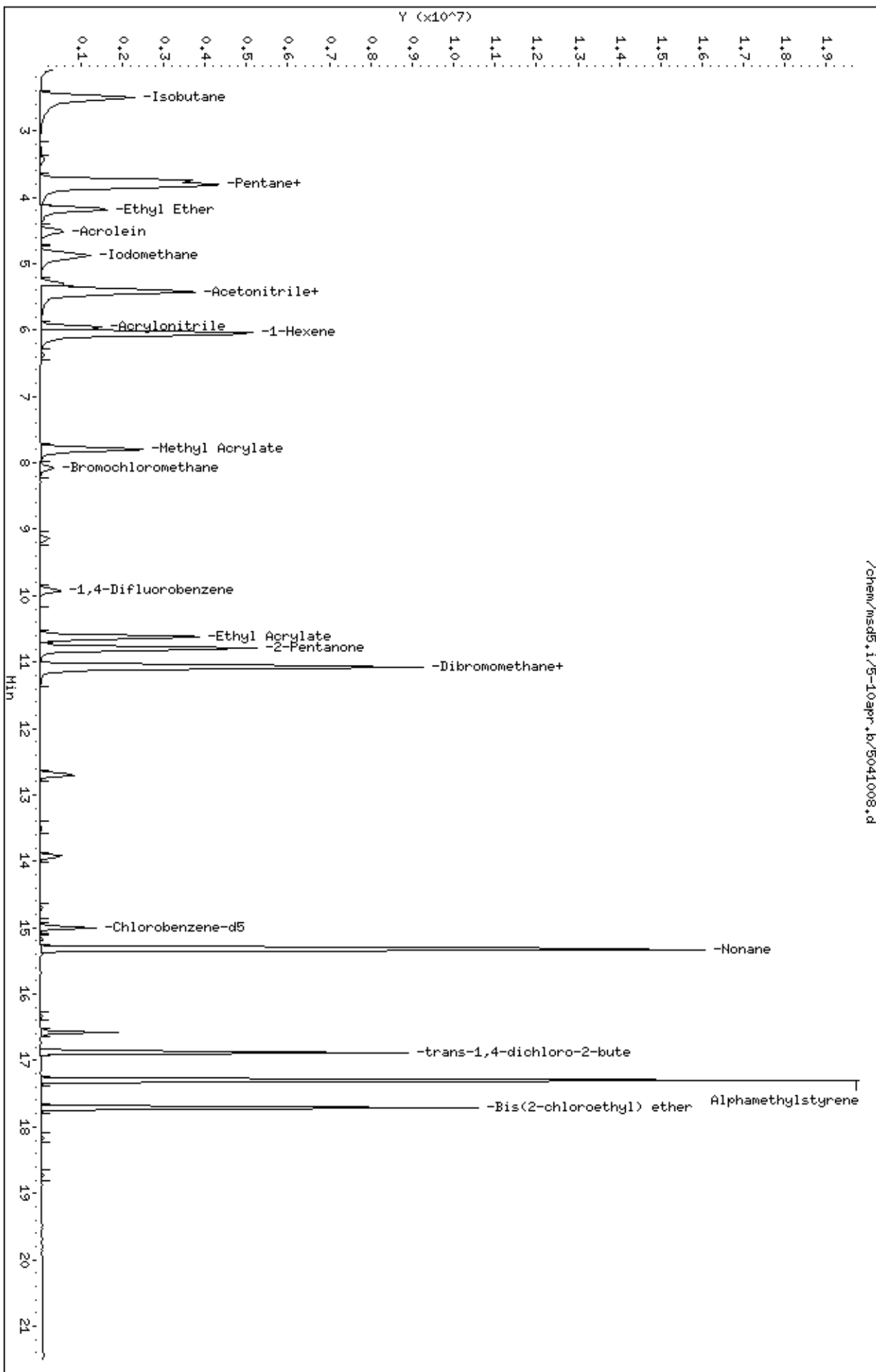
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.

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

Data File: /chem/msd5.1/5-10apr.b/5041008.d  
Date: 10-APR-2008 12:52  
Client ID: Level 7  
Sample Info: 200mL #1576-319

Column phase: RTX-624

Instrument: msd5.i  
Operator: ct  
Column diameter: 0.53





Report Date: 10-Apr-2008 14:03

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-10apr.b/5041004.d  
 Lab Smp Id: Sp ICAL Client Smp ID: Level 7  
 Inj Date : 10-APR-2008 09:53  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 200mL #1576-341  
 Misc Info : 200ppbv -> 200ppbv  
 Comment :  
 Method : /chem/msd5.i/5-10apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 14:03 sscott Quant Type: ISTD  
 Cal Date : 10-APR-2008 09:53 Cal File: 5041004.d  
 Als bottle: 1 Calibration Sample, Level: 7  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: sp35a.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)  | ON-COL    | TARGET RANGE   | RATIO     |
| ==      | =====               | =====    | ===== | =====    | =====   | =====     | =====          | =====     |
| -----   |                     |          |       |          |         |           |                |           |
| * 71    | Bromochloromethane  |          |       | CAS #:   |         | 74-97-5   |                |           |
| 8.087   | 8.087               | (1.000)  | 130   | 255952   | 25.0000 |           | 70.00- 130.00  | 100.00    |
| 8.087   | 8.087               | (1.000)  | 128   | 201976   |         |           | 45.96- 105.96  | 78.91     |
| 8.059   | 8.059               | (1.000)  | 49    | 510440   |         |           | 166.24- 226.24 | 199.43    |
| -----   |                     |          |       |          |         |           |                |           |
| * 92    | 1,4-Difluorobenzene |          |       | CAS #:   |         | 540-36-3  |                |           |
| 9.912   | 9.912               | (1.000)  | 114   | 1121206  | 25.0000 |           | 70.00- 130.00  | 100.00    |
| 9.912   | 9.912               | (1.000)  | 88    | 171387   |         |           | 0.00- 45.19    | 15.29     |
| -----   |                     |          |       |          |         |           |                |           |
| * 125   | Chlorobenzene-d5    |          |       | CAS #:   |         | 3114-55-4 |                |           |
| 14.999  | 14.999              | (1.000)  | 117   | 1168251  | 25.0000 |           | 70.00- 130.00  | 100.00    |
| 14.999  | 14.999              | (1.000)  | 82    | 578869   |         |           | 0.00- 30.00    | 49.55     |
| -----   |                     |          |       |          |         |           |                |           |
| 1       | Freon134a           |          |       | CAS #:   |         | 811-97-2  |                |           |
| 2.197   | 2.197               | (0.272)  | 83    | 1939074  | 200.000 | 193.90    | 70.00- 130.00  | 100.00(T) |
| 0.000   | 1.000               | (0.000)  | 69    | 0        |         |           | 0.00- 30.00    | 0.00      |
| -----   |                     |          |       |          |         |           |                |           |
| 3       | Freon 152a          |          |       | CAS #:   |         | 75-37-6   |                |           |
| 2.280   | 2.280               | (0.282)  | 65    | 1525058  | 200.000 | 194.72    | 70.00- 130.00  | 100.00    |
| 2.336   | 2.336               | (0.289)  | 51    | 9809887  |         |           | 0.00- 30.00    | 643.25    |
| -----   |                     |          |       |          |         |           |                |           |

| AMOUNTS                       |        |          |       |          |                 |                |               |           |       |
|-------------------------------|--------|----------|-------|----------|-----------------|----------------|---------------|-----------|-------|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO     |       |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====     | ===== |
| 4 Freon 22                    |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 75-45-6       |           |       |
| 2.336                         | 2.336  | (0.289)  | 67    | 557605   | 200.000         | 198.52         | 70.00- 130.00 | 100.00    |       |
| 2.336                         | 2.336  | (0.289)  | 51    | 9841827  |                 |                | 0.00- 30.00   | 1765.02   |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 5 Freon142b                   |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 75-68-3       |           |       |
| 2.529                         | 2.529  | (0.313)  | 65    | 5008067  | 200.000         | 207.63         | 70.00- 130.00 | 100.00(A) |       |
| 2.529                         | 2.529  | (0.313)  | 45    | 1930967  |                 |                | 0.00- 30.00   | 38.56     |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 16 Dichlorofluoromethane/Fr21 |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 75-43-4       |           |       |
| 3.746                         | 3.746  | (0.463)  | 67    | 3951316  | 200.000         | 205.36         | 70.00- 130.00 | 100.00(A) |       |
| 3.746                         | 3.746  | (0.463)  | 69    | 1179676  |                 |                | 0.00- 30.00   | 29.86     |       |
| 4.022                         | 4.022  | (0.497)  | 35    | 8056     |                 |                | 0.00- 30.00   | 0.20      |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 22 Freon123a                  |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 354-23-4      |           |       |
| 4.299                         | 4.299  | (0.532)  | 117   | 2015496  | 200.000         | 210.99         | 70.00- 130.00 | 100.00(A) |       |
| 4.299                         | 4.299  | (0.532)  | 67    | 2821852  |                 |                | 0.00- 30.00   | 140.01    |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 24 Freon123                   |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 306-83-2      |           |       |
| 4.409                         | 4.409  | (0.545)  | 83    | 349943   | 200.000         | 182.30         | 70.00- 130.00 | 100.00    |       |
| 4.409                         | 4.409  | (0.545)  | 133   | 61278    |                 |                | 0.00- 30.00   | 17.51     |       |
| 4.299                         | 4.299  | (0.532)  | 85    | 1284257  |                 |                | 0.00- 30.00   | 366.99    |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 49 Isopropyl ether            |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 108-20-3      |           |       |
| 6.594                         | 6.594  | (0.815)  | 45    | 14670688 | 200.000         | 213.03         | 70.00- 130.00 | 100.00(A) |       |
| 6.594                         | 6.594  | (0.815)  | 87    | 2590135  |                 |                | 0.00- 30.00   | 17.66     |       |
| 6.594                         | 6.594  | (0.815)  | 59    | 1259637  |                 |                | 0.00- 30.00   | 8.59      |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 57 Ethyl-tert-butyl Ether     |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 637-92-3      |           |       |
| 7.202                         | 7.202  | (0.891)  | 59    | 8517366  | 200.000         | 221.14         | 70.00- 130.00 | 100.00(A) |       |
| 7.230                         | 7.230  | (0.894)  | 87    | 2834914  |                 |                | 0.00- 30.00   | 33.28     |       |
| 7.202                         | 7.202  | (0.891)  | 41    | 1808565  |                 |                | 0.00- 30.00   | 21.23     |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 61 Ethyl Acetate              |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 141-78-6      |           |       |
| 7.700                         | 7.700  | (0.952)  | 70    | 788124   | 200.000         | 230.19         | 70.00- 130.00 | 100.00(A) |       |
| 7.700                         | 7.700  | (0.952)  | 43    | 10670452 |                 |                | 0.00- 30.00   | 1353.91   |       |
| 7.700                         | 7.700  | (0.952)  | 61    | 1354294  |                 |                | 0.00- 30.00   | 171.84    |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 64 1-Propanol                 |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 71-23-8       |           |       |
| 6.815                         | 6.815  | (0.843)  | 42    | 846056   | 200.000         | 199.97         | 70.00- 130.00 | 100.00    |       |
| 6.815                         | 6.815  | (0.843)  | 59    | 833398   |                 |                | 0.00- 30.00   | 98.50     |       |
| 6.815                         | 6.815  | (0.843)  | 41    | 626407   |                 |                | 0.00- 30.00   | 74.04     |       |
| -----                         |        |          |       |          |                 |                |               |           |       |
| 76 Isobutanol                 |        |          |       |          |                 |                |               |           |       |
|                               |        |          |       |          |                 | CAS #:         | 78-83-1       |           |       |
| 9.082                         | 9.082  | (0.916)  | 43    | 4351502  | 200.000         | 219.84         | 70.00- 130.00 | 100.00(A) |       |
| 9.082                         | 9.082  | (0.916)  | 41    | 3031334  |                 |                | 0.00- 30.00   | 69.66     |       |
| -----                         |        |          |       |          |                 |                |               |           |       |

| AMOUNTS                       |        |          |       |          |                 |                 |               |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-----------------|---------------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO     |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====           | =====         | =====     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 78 tert-amyl-Methyl Ether     |        |          |       |          |                 | CAS #: 994-05-8 |               |           |  |
| 9.276                         | 9.276  | (1.147)  | 73    | 7064150  | 200.000         | 199.28          | 70.00- 130.00 | 100.00    |  |
| 9.276                         | 9.276  | (1.147)  | 87    | 1705382  |                 |                 | 0.00- 30.00   | 24.14     |  |
| 9.276                         | 9.276  | (1.147)  | 55    | 2389777  |                 |                 | 0.00- 30.00   | 33.83     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 91 1-Butanol                  |        |          |       |          |                 | CAS #: 71-36-3  |               |           |  |
| 10.354                        | 10.354 | (1.045)  | 56    | 3504614  | 200.000         | 204.12          | 70.00- 130.00 | 100.00(A) |  |
| 10.354                        | 10.354 | (1.045)  | 41    | 2727016  |                 |                 | 0.00- 30.00   | 77.81     |  |
| 10.354                        | 10.354 | (1.045)  | 43    | 2206239  |                 |                 | 0.00- 30.00   | 62.95     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 118 Butyl Acetate             |        |          |       |          |                 | CAS #: 123-86-4 |               |           |  |
| 14.197                        | 14.197 | (1.432)  | 56    | 4978110  | 200.000         | 206.66          | 70.00- 130.00 | 100.00(A) |  |
| 14.197                        | 14.197 | (1.432)  | 73    | 1588704  |                 |                 | 0.00- 30.00   | 31.91     |  |
| 14.197                        | 14.197 | (1.432)  | 43    | 13227025 |                 |                 | 0.00- 30.00   | 265.70    |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 131 2-Heptanone               |        |          |       |          |                 | CAS #: 110-43-0 |               |           |  |
| 16.077                        | 16.077 | (1.072)  | 58    | 7608983  | 200.000         | 216.94          | 70.00- 130.00 | 100.00(A) |  |
| 16.077                        | 16.077 | (1.072)  | 43    | 13286866 |                 |                 | 0.00- 30.00   | 174.62    |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 135 Cyclohexanone             |        |          |       |          |                 | CAS #: 108-94-1 |               |           |  |
| 16.520                        | 16.520 | (1.101)  | 55    | 6037857  | 200.000         | 205.34          | 70.00- 130.00 | 100.00(A) |  |
| 16.520                        | 16.520 | (1.101)  | 98    | 2261460  |                 |                 | 0.00- 30.00   | 37.45     |  |
| 16.520                        | 16.520 | (1.101)  | 42    | 4583739  |                 |                 | 0.00- 30.00   | 75.92     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 146 Diisobutyl Ketone         |        |          |       |          |                 | CAS #: 108-83-8 |               |           |  |
| 17.211                        | 17.211 | (1.147)  | 57    | 15123516 | 200.000         | 197.82          | 70.00- 130.00 | 100.00    |  |
| 17.211                        | 17.211 | (1.147)  | 85    | 11129437 |                 |                 | 42.39- 102.39 | 73.59     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 59 1,3-Dichloropropane        |        |          |       |          |                 | CAS #: 142-28-9 |               |           |  |
| 13.893                        | 13.893 | (1.402)  | 76    | 5705798  | 200.000         | 206.16          | 70.00- 130.00 | 100.00(A) |  |
| 13.893                        | 13.893 | (1.402)  | 41    | 5244014  |                 |                 | 60.28- 120.28 | 91.91     |  |
| 13.893                        | 13.893 | (1.402)  | 78    | 1828178  |                 |                 | 0.00- 30.00   | 32.04     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 60 2,2-Dichloropropane        |        |          |       |          |                 | CAS #: 594-20-7 |               |           |  |
| 7.589                         | 7.589  | (0.938)  | 77    | 4997575  | 200.000         | 224.85          | 70.00- 130.00 | 100.00(A) |  |
| 7.589                         | 7.589  | (0.938)  | 79    | 1584314  |                 |                 | 2.05- 62.05   | 31.70     |  |
| 7.589                         | 7.589  | (0.938)  | 97    | 1116184  |                 |                 | 0.00- 30.00   | 22.33     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 73 1,1-Dichloropropene        |        |          |       |          |                 | CAS #: 563-58-6 |               |           |  |
| 8.750                         | 8.750  | (1.082)  | 110   | 1837397  | 200.000         | 211.22          | 70.00- 130.00 | 100.00(A) |  |
| 8.723                         | 8.723  | (1.079)  | 75    | 4493104  |                 |                 | 0.00- 30.00   | 244.54    |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |
| 123 1,1,1,2-Tetrachloroethane |        |          |       |          |                 | CAS #: 630-20-6 |               |           |  |
| 15.193                        | 15.193 | (1.013)  | 131   | 4226685  | 200.000         | 219.92          | 70.00- 130.00 | 100.00(A) |  |
| 15.193                        | 15.193 | (1.013)  | 117   | 3120564  |                 |                 | 0.00- 30.00   | 73.83     |  |
| 15.193                        | 15.193 | (1.013)  | 95    | 1501235  |                 |                 | 0.00- 30.00   | 35.52     |  |
| -----                         |        |          |       |          |                 |                 |               |           |  |

| AMOUNTS                    |        |          |       |          |                 |                 |                |           |  |
|----------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|-----------|--|
| RT                         | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO     |  |
| ==                         | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 137 Bromobenzene           |        |          |       |          |                 | CAS #: 108-86-1 |                |           |  |
| 16.741                     | 16.741 | (1.116)  | 156   | 5677279  | 200.000         | 221.28          | 70.00- 130.00  | 100.00(A) |  |
| 16.741                     | 16.741 | (1.116)  | 77    | 9254489  |                 |                 | 129.99- 189.99 | 163.01    |  |
| 16.741                     | 16.741 | (1.116)  | 158   | 5489599  |                 |                 | 0.00- 30.00    | 96.69     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 139 1,2,3-Trichloropropane |        |          |       |          |                 | CAS #: 96-18-4  |                |           |  |
| 16.852                     | 16.852 | (1.123)  | 110   | 2749887  | 200.000         | 217.35          | 70.00- 130.00  | 100.00(A) |  |
| 16.852                     | 16.852 | (1.123)  | 61    | 2089628  |                 |                 | 0.00- 30.00    | 75.99     |  |
| 16.852                     | 16.852 | (1.123)  | 112   | 1713562  |                 |                 | 0.00- 30.00    | 62.31     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 140 2-Chlorotoluene        |        |          |       |          |                 | CAS #: 95-49-8  |                |           |  |
| 16.962                     | 16.962 | (1.131)  | 126   | 4725402  | 200.000         | 219.58          | 70.00- 130.00  | 100.00(A) |  |
| 16.962                     | 16.962 | (1.131)  | 91    | 13499508 |                 |                 | 256.38- 316.38 | 285.68    |  |
| 16.962                     | 16.962 | (1.131)  | 65    | 1149718  |                 |                 | 0.00- 30.00    | 24.33     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 143 4-Chlorotoluene        |        |          |       |          |                 | CAS #: 106-43-4 |                |           |  |
| 17.100                     | 17.100 | (1.140)  | 126   | 4641201  | 200.000         | 214.76          | 70.00- 130.00  | 100.00(A) |  |
| 17.100                     | 17.100 | (1.140)  | 91    | 13153907 |                 |                 | 249.03- 309.03 | 283.42    |  |
| 17.100                     | 17.100 | (1.140)  | 63    | 1532496  |                 |                 | 0.00- 30.00    | 33.02     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 149 tert-Butylbenzene      |        |          |       |          |                 | CAS #: 98-06-6  |                |           |  |
| 17.377                     | 17.377 | (1.159)  | 119   | 19329861 | 200.000         | 228.36          | 70.00- 130.00  | 100.00(A) |  |
| 17.377                     | 17.377 | (1.159)  | 134   | 4012047  |                 |                 | 0.00- 53.21    | 20.76     |  |
| 17.377                     | 17.377 | (1.159)  | 91    | 9650950  |                 |                 | 0.00- 30.00    | 49.93     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 150 Pentachloroethane      |        |          |       |          |                 | CAS #: 76-01-7  |                |           |  |
| 17.460                     | 17.460 | (1.164)  | 167   | 3947321  | 200.000         | 237.70          | 70.00- 130.00  | 100.00(A) |  |
| 17.432                     | 17.432 | (1.162)  | 117   | 4171042  |                 |                 | 0.00- 30.00    | 105.67    |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 151 sec-Butylbenzene       |        |          |       |          |                 | CAS #: 135-98-8 |                |           |  |
| 17.598                     | 17.598 | (1.173)  | 105   | 20065513 | 200.000         | 206.30          | 70.00- 130.00  | 100.00(A) |  |
| 17.598                     | 17.598 | (1.173)  | 134   | 4293613  |                 |                 | 0.00- 48.49    | 21.40     |  |
| 17.598                     | 17.598 | (1.173)  | 91    | 3335462  |                 |                 | 0.00- 30.00    | 16.62     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 153 p-Cymene               |        |          |       |          |                 | CAS #: 99-87-6  |                |           |  |
| 17.764                     | 17.764 | (1.184)  | 134   | 4804276  | 200.000         | 223.10          | 70.00- 130.00  | 100.00(A) |  |
| 17.764                     | 17.764 | (1.184)  | 119   | 17954223 |                 |                 | 349.09- 409.09 | 373.71    |  |
| 17.764                     | 17.764 | (1.184)  | 91    | 3596172  |                 |                 | 0.00- 30.00    | 74.85     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 154 1,2,3-Trimethylbenzene |        |          |       |          |                 | CAS #: 526-73-8 |                |           |  |
| 17.875                     | 17.875 | (1.192)  | 120   | 7094831  | 200.000         | 224.18          | 70.00- 130.00  | 100.00(A) |  |
| 17.875                     | 17.875 | (1.192)  | 105   | 15315408 |                 |                 | 186.36- 246.36 | 215.87    |  |
| 17.875                     | 17.875 | (1.192)  | 77    | 1536494  |                 |                 | 0.00- 30.00    | 21.66     |  |
| -----                      |        |          |       |          |                 |                 |                |           |  |
| 158 Butylbenzene           |        |          |       |          |                 | CAS #: 104-51-8 |                |           |  |
| 18.151                     | 18.151 | (1.210)  | 134   | 3833904  | 200.000         | 217.10          | 70.00- 130.00  | 100.00(A) |  |

| AMOUNTS  |        |          |       |          |                 |                |                |           |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 158 Butylbenzene (continued)                   |        |          |       |          |                 |                |                |           |  |
| 18.123   | 18.123 | (1.208)  | 91    | 15366010 |                 |                | 375.33- 435.33 | 400.79    |  |
| 18.123   | 18.123 | (1.208)  | 92    | 8583475  |                 |                | 0.00- 30.00    | 223.88    |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 161 1,2-Dibromo-3-Chloropropane CAS #: 96-12-8 |        |          |       |          |                 |                |                |           |  |
| 18.870   | 18.870 | (1.258)  | 157   | 4223976  | 200.000         | 230.18         | 70.00- 130.00  | 100.00(A) |  |
| 18.870   | 18.870 | (1.258)  | 75    | 4386747  |                 |                | 74.65- 134.65  | 103.85    |  |
| 18.870   | 18.870 | (1.258)  | 155   | 3324775  |                 |                | 0.00- 30.00    | 78.71     |  |
| -----  |        |          |       |          |                 |                |                |           |  |

QC Flag Legend

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

Report Date: 10-Apr-2008 14:03

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 10-APR-2008

Lab File ID: 5041004.d

Calibration Time: 09:21

Lab Smp Id: Sp ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-10apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 200ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 240974   | 144584     | 337364  | 255952  | 6.22  |
| 92 1,4-Difluorobenze | 1048713  | 629228     | 1468198 | 1121206 | 6.91  |
| 125 Chlorobenzene-d5 | 1138308  | 682985     | 1593631 | 1168251 | 2.63  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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/msd5.1/5-10apr.b/5041004.d

Date: 10-APR-2008 09:53

Client ID: Level 7

Sample Info: 200mL #1576-341

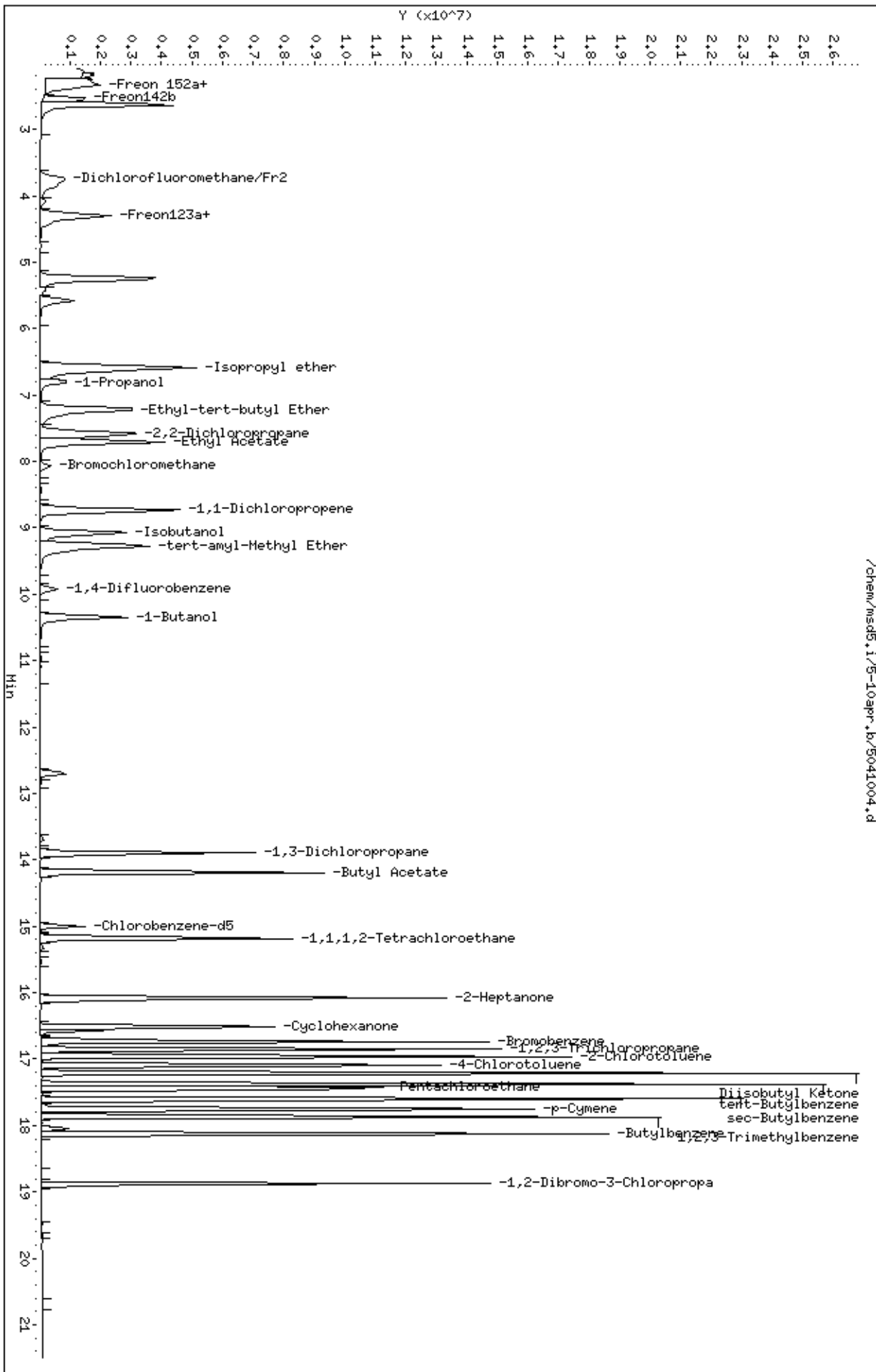
Column phase: RTX-624

Instrument: msd5.1

Operator: ct

Column diameter: 0.53

/chem/msd5.1/5-10apr.b/5041004.d



Report Date: 10-Apr-2008 08:27

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-09apr.b/5040911.d  
 Lab Smp Id: ICAL Client Smp ID: Level 7  
 Inj Date : 09-APR-2008 14:44  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 200mL #1576-326  
 Misc Info : 200ppbv -> 200ppbv  
 Comment :  
 Method : /chem/msd5.i/5-09apr.b/t14q409a.m  
 Meth Date : 10-Apr-2008 08:27 ctaylor Quant Type: ISTD  
 Cal Date : 09-APR-2008 14:44 Cal File: 5040911.d  
 Als bottle: 1 Calibration Sample, Level: 7  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08mdl.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS |                       |          |       |          |         |         |        |                |        |
|---------|-----------------------|----------|-------|----------|---------|---------|--------|----------------|--------|
| RT      | EXP RT                | (REL RT) | MASS  | RESPONSE | (PPBV)  | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==      | =====                 | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| -----   |                       |          |       |          |         |         |        |                |        |
| * 71    | Bromochloromethane    |          |       |          |         |         | CAS #: | 74-97-5        |        |
| 8.087   | 8.087                 | (1.000)  | 130   | 284122   | 25.0000 |         |        | 70.00- 130.00  | 100.00 |
| 8.087   | 8.087                 | (1.000)  | 128   | 218790   |         |         |        | 48.93- 108.93  | 77.01  |
| 8.059   | 8.059                 | (1.000)  | 49    | 573342   |         |         |        | 174.90- 234.90 | 201.79 |
| -----   |                       |          |       |          |         |         |        |                |        |
| * 92    | 1,4-Difluorobenzene   |          |       |          |         |         | CAS #: | 540-36-3       |        |
| 9.911   | 9.911                 | (1.000)  | 114   | 1215381  | 25.0000 |         |        | 70.00- 130.00  | 100.00 |
| 9.911   | 9.911                 | (1.000)  | 88    | 183940   |         |         |        | 0.00- 45.06    | 15.13  |
| -----   |                       |          |       |          |         |         |        |                |        |
| * 125   | Chlorobenzene-d5      |          |       |          |         |         | CAS #: | 3114-55-4      |        |
| 14.999  | 14.999                | (1.000)  | 117   | 1274796  | 25.0000 |         |        | 70.00- 130.00  | 100.00 |
| 14.999  | 14.999                | (1.000)  | 82    | 658972   |         |         |        | 0.00- 30.00    | 51.69  |
| -----   |                       |          |       |          |         |         |        |                |        |
| \$ 84   | 1,2-Dichloroethane-d4 |          |       |          |         |         | CAS #: | 17060-07-0     |        |
| 9.137   | 9.137                 | (1.130)  | 65    | 394866   | 25.0000 | 25.834  |        | 70.00- 130.00  | 100.00 |
| 9.137   | 9.137                 | (1.130)  | 67    | 297129   |         |         |        | 0.00- 30.00    | 75.25  |
| -----   |                       |          |       |          |         |         |        |                |        |
| \$ 107  | Toluene-d8            |          |       |          |         |         | CAS #: | 2037-26-5      |        |
| 12.704  | 12.704                | (1.282)  | 98    | 1278616  | 25.0000 | 25.220  |        | 70.00- 130.00  | 100.00 |
| 12.704  | 12.704                | (1.282)  | 70    | 120559   |         |         |        | 0.00- 30.00    | 9.43   |



| AMOUNTS                        |        |          |       |          |                 |                 |                |           |  |  |
|--------------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|-----------|--|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO     |  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                 |                |           |  |  |
| 12.704                         | 12.704 | (1.282)  | 100   | 1009896  |                 |                 | 0.00- 30.00    | 78.98     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 460-00-4 |                |           |  |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 783136   | 25.0000         | 25.373          | 70.00- 130.00  | 100.00    |  |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 1057119  |                 |                 | 105.46- 165.46 | 134.99    |  |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 748571   |                 |                 | 67.29- 127.29  | 95.59     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 6 Propylene                    |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 115-07-1 |                |           |  |  |
| 2.280                          | 2.280  | (0.282)  | 41    | 3217856  | 200.000         | 188.23          | 70.00- 130.00  | 100.00    |  |  |
| 2.253                          | 2.253  | (0.279)  | 42    | 2144849  |                 |                 | 0.00- 30.00    | 66.65     |  |  |
| 2.253                          | 2.253  | (0.279)  | 39    | 2396692  |                 |                 | 0.00- 30.00    | 74.48     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 75-71-8  |                |           |  |  |
| 2.335                          | 2.335  | (0.289)  | 85    | 5643401  | 200.000         | 202.26          | 70.00- 130.00  | 100.00(A) |  |  |
| 2.335                          | 2.335  | (0.289)  | 87    | 1816057  |                 |                 | 0.00- 30.00    | 32.18     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 9 Freon 114                    |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 76-14-2  |                |           |  |  |
| 2.474                          | 2.474  | (0.306)  | 135   | 4799732  | 200.000         | 189.04          | 70.00- 130.00  | 100.00    |  |  |
| 2.474                          | 2.474  | (0.306)  | 137   | 1549164  |                 |                 | 2.26- 62.26    | 32.28     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 10 Chloromethane               |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 74-87-3  |                |           |  |  |
| 2.640                          | 2.640  | (0.326)  | 50    | 4257144  | 200.000         | 186.62          | 70.00- 130.00  | 100.00    |  |  |
| 2.612                          | 2.612  | (0.323)  | 52    | 1204050  |                 |                 | 0.00- 30.00    | 28.28     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 13 Vinyl Chloride              |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 75-01-4  |                |           |  |  |
| 2.778                          | 2.778  | (0.344)  | 62    | 3492200  | 200.000         | 187.56          | 70.00- 130.00  | 100.00    |  |  |
| 2.778                          | 2.778  | (0.344)  | 64    | 1019688  |                 |                 | 0.00- 30.00    | 29.20     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 12 1,3-Butadiene               |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 106-99-0 |                |           |  |  |
| 2.778                          | 2.778  | (0.344)  | 54    | 3353534  | 200.000         | 188.07          | 70.00- 130.00  | 100.00    |  |  |
| 2.778                          | 2.778  | (0.344)  | 39    | 4893758  |                 |                 | 0.00- 30.00    | 145.93    |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 15 Bromomethane                |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 74-83-9  |                |           |  |  |
| 3.276                          | 3.276  | (0.405)  | 94    | 2194386  | 200.000         | 198.45          | 70.00- 130.00  | 100.00    |  |  |
| 3.276                          | 3.276  | (0.405)  | 96    | 2074960  |                 |                 | 64.97- 124.97  | 94.56     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 19 Chloroethane                |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 75-00-3  |                |           |  |  |
| 3.441                          | 3.441  | (0.426)  | 64    | 1767143  | 200.000         | 194.22          | 70.00- 130.00  | 100.00    |  |  |
| 3.441                          | 3.441  | (0.426)  | 49    | 604973   |                 |                 | 0.00- 30.00    | 34.23     |  |  |
| 3.441                          | 3.441  | (0.426)  | 66    | 514634   |                 |                 | 0.00- 30.00    | 29.12     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 |                 |                |           |  |  |
|                                |        |          |       |          |                 | CAS #: 75-69-4  |                |           |  |  |
| 3.746                          | 3.746  | (0.463)  | 101   | 6161263  | 200.000         | 192.26          | 70.00- 130.00  | 100.00    |  |  |
| 3.746                          | 3.746  | (0.463)  | 103   | 4026913  |                 |                 | 34.72- 94.72   | 65.36     |  |  |
| -----                          |        |          |       |          |                 |                 |                |           |  |  |

| AMOUNTS                     |        |          |       |          |                 |                  |                |           |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|-----------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO     |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |           |  |
| 4.105                       | 4.105  | (0.508)  | 45    | 1426687  | 200.000         | 168.99           | 70.00- 130.00  | 100.00    |  |
| 4.105                       | 4.105  | (0.508)  | 43    | 254636   |                 |                  | 0.00- 30.00    | 17.85     |  |
| 4.133                       | 4.133  | (0.511)  | 46    | 594699   |                 |                  | 0.00- 30.00    | 41.68     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |           |  |
| 4.547                       | 4.547  | (0.562)  | 151   | 4083402  | 200.000         | 193.59           | 70.00- 130.00  | 100.00    |  |
| 4.547                       | 4.547  | (0.562)  | 153   | 2580770  |                 |                  | 34.83- 94.83   | 63.20     |  |
| 4.520                       | 4.520  | (0.559)  | 101   | 5128602  |                 |                  | 99.93- 159.93  | 125.60    |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |           |  |
| 4.603                       | 4.603  | (0.569)  | 61    | 5115055  | 200.000         | 190.98           | 70.00- 130.00  | 100.00    |  |
| 4.603                       | 4.603  | (0.569)  | 96    | 2753473  |                 |                  | 22.58- 82.58   | 53.83     |  |
| 4.603                       | 4.603  | (0.569)  | 98    | 1768940  |                 |                  | 3.77- 63.77    | 34.58     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |           |  |
| 4.741                       | 4.741  | (0.586)  | 58    | 1853773  | 200.000         | 191.16           | 70.00- 130.00  | 100.00    |  |
| 4.741                       | 4.741  | (0.586)  | 43    | 6608523  |                 |                  | 0.00- 30.00    | 356.49    |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |           |  |
| 4.935                       | 4.935  | (0.610)  | 45    | 8015412  | 200.000         | 191.86           | 70.00- 130.00  | 100.00    |  |
| 4.935                       | 4.935  | (0.610)  | 43    | 1829792  |                 |                  | 0.00- 30.00    | 22.83     |  |
| 4.935                       | 4.935  | (0.610)  | 59    | 257421   |                 |                  | 0.00- 30.00    | 3.21      |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |           |  |
| 4.935                       | 4.935  | (0.610)  | 76    | 8315274  | 200.000         | 195.27           | 70.00- 130.00  | 100.00    |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |           |  |
| 5.211                       | 5.211  | (0.644)  | 76    | 1435606  | 200.000         | 184.35           | 70.00- 130.00  | 100.00    |  |
| 5.211                       | 5.211  | (0.644)  | 41    | 6246676  |                 |                  | 0.00- 30.00    | 435.12    |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |           |  |
| 5.460                       | 5.460  | (0.675)  | 49    | 4576686  | 200.000         | 187.79           | 70.00- 130.00  | 100.00    |  |
| 5.460                       | 5.460  | (0.675)  | 84    | 2434937  |                 |                  | 23.12- 83.12   | 53.20     |  |
| 5.460                       | 5.460  | (0.675)  | 51    | 1366939  |                 |                  | 0.00- 30.00    | 29.87     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |           |  |
| 5.764                       | 5.764  | (0.713)  | 73    | 5791875  | 200.000         | 209.62           | 70.00- 130.00  | 100.00(A) |  |
| 5.764                       | 5.764  | (0.713)  | 57    | 1770770  |                 |                  | 0.50- 60.50    | 30.57     |  |
| 5.764                       | 5.764  | (0.713)  | 41    | 1978856  |                 |                  | 0.00- 30.00    | 34.17     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |           |  |
| 5.847                       | 5.847  | (0.723)  | 96    | 3311844  | 200.000         | 191.53           | 70.00- 130.00  | 100.00    |  |
| 5.847                       | 5.847  | (0.723)  | 61    | 5335194  |                 |                  | 134.04- 194.04 | 161.09    |  |
| 5.847                       | 5.847  | (0.723)  | 98    | 2111538  |                 |                  | 0.00- 30.00    | 63.76     |  |
| -----                       |        |          |       |          |                 |                  |                |           |  |

| AMOUNTS                   |        |          |       |          |                 |                 |                |         |  |
|---------------------------|--------|----------|-------|----------|-----------------|-----------------|----------------|---------|--|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE   | RATIO   |  |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====           | =====          | =====   |  |
| 51 Hexane                 |        |          |       |          |                 | CAS #: 110-54-3 |                |         |  |
| 6.179                     | 6.179  | (0.764)  | 57    | 6890205  | 200.000         | 188.71          | 70.00- 130.00  | 100.00  |  |
| 6.151                     | 6.151  | (0.761)  | 43    | 5171172  |                 |                 | 0.00- 30.00    | 75.05   |  |
| 6.179                     | 6.179  | (0.764)  | 86    | 948183   |                 |                 | 0.00- 30.00    | 13.76   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 55 1,1-Dichloroethane     |        |          |       |          |                 | CAS #: 75-34-3  |                |         |  |
| 6.621                     | 6.621  | (0.819)  | 63    | 6222680  | 200.000         | 192.64          | 70.00- 130.00  | 100.00  |  |
| 6.621                     | 6.621  | (0.819)  | 65    | 1837233  |                 |                 | 0.00- 59.38    | 29.52   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 67 2-Butanone             |        |          |       |          |                 | CAS #: 78-93-3  |                |         |  |
| 7.672                     | 7.672  | (0.949)  | 72    | 1699396  | 200.000         | 193.62          | 70.00- 130.00  | 100.00  |  |
| 7.672                     | 7.672  | (0.949)  | 43    | 10045948 |                 |                 | 572.61- 632.61 | 591.15  |  |
| 7.672                     | 7.672  | (0.949)  | 57    | 693744   |                 |                 | 0.00- 30.00    | 40.82   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 66 cis-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-59-2 |                |         |  |
| 7.644                     | 7.644  | (0.945)  | 61    | 4870169  | 200.000         | 192.22          | 70.00- 130.00  | 100.00  |  |
| 7.644                     | 7.644  | (0.945)  | 96    | 3387094  |                 |                 | 40.21- 100.21  | 69.55   |  |
| 7.644                     | 7.644  | (0.945)  | 98    | 2187239  |                 |                 | 15.96- 75.96   | 44.91   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 70 Tetrahydrofuran        |        |          |       |          |                 | CAS #: 109-99-9 |                |         |  |
| 8.031                     | 8.031  | (0.993)  | 42    | 6036113  | 200.000         | 187.70          | 70.00- 130.00  | 100.00  |  |
| 8.031                     | 8.031  | (0.993)  | 71    | 1537912  |                 |                 | 0.00- 55.28    | 25.48   |  |
| 8.059                     | 8.059  | (0.997)  | 72    | 1694982  |                 |                 | 0.00- 30.00    | 28.08   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 72 Chloroform             |        |          |       |          |                 | CAS #: 67-66-3  |                |         |  |
| 8.197                     | 8.197  | (1.014)  | 83    | 5739753  | 200.000         | 173.60          | 70.00- 130.00  | 100.00  |  |
| 8.197                     | 8.197  | (1.014)  | 85    | 3771932  |                 |                 | 35.62- 95.62   | 65.72   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 75 1,1,1-Trichloroethane  |        |          |       |          |                 | CAS #: 71-55-6  |                |         |  |
| 8.446                     | 8.446  | (1.044)  | 97    | 5719451  | 200.000         | 195.88          | 70.00- 130.00  | 100.00  |  |
| 8.446                     | 8.446  | (1.044)  | 99    | 3678918  |                 |                 | 35.49- 95.49   | 64.32   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 74 Cyclohexane            |        |          |       |          |                 | CAS #: 110-82-7 |                |         |  |
| 8.418                     | 8.418  | (1.041)  | 84    | 4717272  | 200.000         | 189.61          | 70.00- 130.00  | 100.00  |  |
| 8.418                     | 8.418  | (1.041)  | 56    | 7424545  |                 |                 | 127.74- 187.74 | 157.39  |  |
| 8.418                     | 8.418  | (1.041)  | 41    | 4492978  |                 |                 | 65.80- 125.80  | 95.25   |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 56 Vinyl Acetate          |        |          |       |          |                 | CAS #: 108-05-4 |                |         |  |
| 6.676                     | 6.676  | (0.826)  | 86    | 917990   | 200.000         | 197.07          | 70.00- 130.00  | 100.00  |  |
| 6.649                     | 6.649  | (0.822)  | 43    | 13079328 |                 |                 | 0.00- 30.00    | 1424.78 |  |
| 6.649                     | 6.649  | (0.822)  | 42    | 1023271  |                 |                 | 0.00- 30.00    | 111.47  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |
| 77 Carbon Tetrachloride   |        |          |       |          |                 | CAS #: 56-23-5  |                |         |  |
| 8.667                     | 8.667  | (1.072)  | 119   | 5338641  | 200.000         | 199.21          | 70.00- 130.00  | 100.00  |  |
| 8.667                     | 8.667  | (1.072)  | 117   | 5517993  |                 |                 | 73.84- 133.84  | 103.36  |  |
| -----                     |        |          |       |          |                 |                 |                |         |  |

| AMOUNTS |                         |          |       |          |                 |                |              |        |           |  |
|---------|-------------------------|----------|-------|----------|-----------------|----------------|--------------|--------|-----------|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE | RATIO  |           |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====          | =====        | =====  |           |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #:         | 540-84-1     |        |           |  |
| 9.110   | 9.110                   | (1.127)  | 57    | 22331935 | 200.000         | 190.00         | 70.00-       | 130.00 | 100.00    |  |
| 9.110   | 9.110                   | (1.127)  | 56    | 7308253  |                 |                | 0.00-        | 30.00  | 32.73     |  |
| 9.110   | 9.110                   | (1.127)  | 41    | 6098852  |                 |                | 0.00-        | 30.00  | 27.31     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 81      | Benzene                 |          |       |          |                 | CAS #:         | 71-43-2      |        |           |  |
| 9.082   | 9.082                   | (0.916)  | 78    | 10925270 | 200.000         | 179.91         | 70.00-       | 130.00 | 100.00    |  |
| 9.082   | 9.082                   | (0.916)  | 77    | 2541145  |                 |                | 0.00-        | 30.00  | 23.26     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #:         | 107-06-2     |        |           |  |
| 9.275   | 9.275                   | (0.936)  | 62    | 4340425  | 200.000         | 202.89         | 70.00-       | 130.00 | 100.00(A) |  |
| 9.275   | 9.275                   | (0.936)  | 64    | 1344169  |                 |                | 0.00-        | 30.00  | 30.97     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 90      | Heptane                 |          |       |          |                 | CAS #:         | 142-82-5     |        |           |  |
| 9.497   | 9.497                   | (0.958)  | 100   | 1307816  | 200.000         | 194.48         | 70.00-       | 130.00 | 100.00    |  |
| 9.469   | 9.469                   | (0.955)  | 43    | 9827255  |                 |                | 0.00-        | 30.00  | 751.42    |  |
| 9.497   | 9.497                   | (0.958)  | 71    | 3920175  |                 |                | 0.00-        | 30.00  | 299.75    |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #:         | 79-01-6      |        |           |  |
| 10.326  | 10.326                  | (1.042)  | 95    | 4456604  | 200.000         | 202.55         | 70.00-       | 130.00 | 100.00(A) |  |
| 10.326  | 10.326                  | (1.042)  | 130   | 4515245  |                 |                | 75.19-       | 135.19 | 101.32    |  |
| 10.326  | 10.326                  | (1.042)  | 97    | 2879121  |                 |                | 35.92-       | 95.92  | 64.60     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #:         | 78-87-5      |        |           |  |
| 10.851  | 10.851                  | (1.095)  | 63    | 4406302  | 200.000         | 201.00         | 70.00-       | 130.00 | 100.00(A) |  |
| 10.851  | 10.851                  | (1.095)  | 62    | 3157099  |                 |                | 42.36-       | 102.36 | 71.65     |  |
| 10.851  | 10.851                  | (1.095)  | 41    | 2931148  |                 |                | 36.24-       | 96.24  | 66.52     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #:         | 123-91-1     |        |           |  |
| 11.073  | 11.073                  | (1.117)  | 88    | 2819460  | 200.000         | 200.44         | 70.00-       | 130.00 | 100.00(A) |  |
| 11.073  | 11.073                  | (1.117)  | 58    | 2376419  |                 |                | 55.93-       | 115.93 | 84.29     |  |
| 11.073  | 11.073                  | (1.117)  | 57    | 733268   |                 |                | 0.00-        | 30.00  | 26.01     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #:         | 75-27-4      |        |           |  |
| 11.404  | 11.404                  | (1.151)  | 83    | 6217059  | 200.000         | 203.89         | 70.00-       | 130.00 | 100.00(A) |  |
| 11.404  | 11.404                  | (1.151)  | 85    | 4042033  |                 |                | 34.29-       | 94.29  | 65.02     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #:         | 10061-01-5   |        |           |  |
| 12.317  | 12.317                  | (1.243)  | 75    | 5421348  | 200.000         | 203.83         | 70.00-       | 130.00 | 100.00(A) |  |
| 12.317  | 12.317                  | (1.243)  | 77    | 1731108  |                 |                | 2.88-        | 62.88  | 31.93     |  |
| 12.317  | 12.317                  | (1.243)  | 39    | 3762331  |                 |                | 38.55-       | 98.55  | 69.40     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #:         | 108-10-1     |        |           |  |
| 12.593  | 12.593                  | (1.271)  | 58    | 4243748  | 200.000         | 199.01         | 70.00-       | 130.00 | 100.00    |  |
| 12.593  | 12.593                  | (1.271)  | 43    | 12072882 |                 |                | 0.00-        | 30.00  | 284.49    |  |
| 12.593  | 12.593                  | (1.271)  | 85    | 1565978  |                 |                | 0.00-        | 30.00  | 36.90     |  |
| -----   |                         |          |       |          |                 |                |              |        |           |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |           |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|-----------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO     |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====     |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |           |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 12823837 | 200.000         | 198.88            | 70.00- 130.00  | 100.00    |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 7663810  |                 |                   | 28.92- 88.92   | 59.76     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |           |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 5302304  | 200.000         | 208.56            | 70.00- 130.00  | 100.00(A) |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 1709948  |                 |                   | 2.45- 62.45    | 32.25     |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 3757603  |                 |                   | 41.02- 101.02  | 70.87     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |           |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 4399631  | 200.000         | 201.91            | 70.00- 130.00  | 100.00(A) |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 2724089  |                 |                   | 33.86- 93.86   | 61.92     |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 3717178  |                 |                   | 54.90- 114.90  | 84.49     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |           |  |
| 13.699                        | 13.699 | (0.913)  | 166   | 5468443  | 200.000         | 204.46            | 70.00- 130.00  | 100.00(A) |  |
| 13.699                        | 13.699 | (0.913)  | 129   | 4067287  |                 |                   | 44.47- 104.47  | 74.38     |  |
| 13.699                        | 13.699 | (0.913)  | 131   | 3900277  |                 |                   | 41.24- 101.24  | 71.32     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |           |  |
| 14.004                        | 14.004 | (0.934)  | 58    | 6043355  | 200.000         | 199.65            | 70.00- 130.00  | 100.00    |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 12159210 |                 |                   | 172.69- 232.69 | 201.20    |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 1100572  |                 |                   | 0.00- 30.00    | 18.21     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |           |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 6316220  | 200.000         | 210.75            | 70.00- 130.00  | 100.00(A) |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 4884592  |                 |                   | 0.00- 30.00    | 77.33     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |           |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 6971949  | 200.000         | 204.78            | 70.00- 130.00  | 100.00(A) |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 6600656  |                 |                   | 65.04- 125.04  | 94.67     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |           |  |
| 15.054                        | 15.054 | (1.004)  | 112   | 10250999 | 200.000         | 200.28            | 70.00- 130.00  | 100.00(A) |  |
| 15.054                        | 15.054 | (1.004)  | 114   | 3276390  |                 |                   | 2.03- 62.03    | 31.96     |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 5858752  |                 |                   | 26.76- 86.76   | 57.15     |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |           |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 5875386  | 200.000         | 202.16            | 70.00- 130.00  | 100.00(A) |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 17261747 |                 |                   | 0.00- 30.00    | 293.80    |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |           |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 7307496  | 200.000         | 199.46            | 70.00- 130.00  | 100.00    |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 13696314 |                 |                   | 0.00- 30.00    | 187.43    |  |
| -----                         |        |          |       |          |                 |                   |                |           |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |           |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 6756985  | 200.000         | 198.42            | 70.00- 130.00  | 100.00    |  |

| AMOUNTS                                      |        |          |       |          |                 |                |                |           |  |
|--|--------|----------|-------|----------|-----------------|----------------|----------------|-----------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO     |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====     |  |
| 132 o-Xylene (continued)                     |        |          |       |          |                 |                |                |           |  |
| 15.856                                       | 15.856 | (1.057)  | 91    | 13446156 |                 |                | 169.15- 229.15 | 199.00    |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |                 |                |                |           |  |
| 15.911                                       | 15.911 | (1.061)  | 104   | 11209438 | 200.000         | 185.28         | 70.00- 130.00  | 100.00    |  |
| 15.911                                       | 15.911 | (1.061)  | 78    | 4841074  |                 |                | 12.91- 72.91   | 43.19     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |                 |                |                |           |  |
| 16.160                                       | 16.160 | (1.077)  | 173   | 6137372  | 200.000         | 215.67         | 70.00- 130.00  | 100.00(A) |  |
| 16.160                                       | 16.160 | (1.077)  | 171   | 3202752  |                 |                | 21.95- 81.95   | 52.18     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                 |                |                |           |  |
| 16.796                                       | 16.796 | (1.120)  | 83    | 9594154  | 200.000         | 197.53         | 70.00- 130.00  | 100.00    |  |
| 16.796                                       | 16.796 | (1.120)  | 85    | 6170137  |                 |                | 34.75- 94.75   | 64.31     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                 |                |                |           |  |
| 16.962                                       | 16.962 | (1.131)  | 105   | 20070147 | 200.000         | 198.56         | 70.00- 130.00  | 100.00    |  |
| 16.962                                       | 16.962 | (1.131)  | 120   | 6318619  |                 |                | 1.07- 61.07    | 31.48     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                 |                |                |           |  |
| 17.045                                       | 17.045 | (1.136)  | 105   | 16323548 | 200.000         | 178.62         | 70.00- 130.00  | 100.00    |  |
| 17.045                                       | 17.045 | (1.136)  | 120   | 8917183  |                 |                | 0.00- 30.00    | 54.63     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                 |                |                |           |  |
| 17.460                                       | 17.460 | (1.164)  | 105   | 15069144 | 200.000         | 189.95         | 70.00- 130.00  | 100.00    |  |
| 17.460                                       | 17.460 | (1.164)  | 120   | 7414227  |                 |                | 18.96- 78.96   | 49.20     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                 |                |                |           |  |
| 17.764                                       | 17.764 | (1.184)  | 146   | 10037319 | 200.000         | 197.61         | 70.00- 130.00  | 100.00    |  |
| 17.764                                       | 17.764 | (1.184)  | 148   | 6387913  |                 |                | 0.00- 30.00    | 63.64     |  |
| 17.764                                       | 17.764 | (1.184)  | 111   | 3813146  |                 |                | 0.00- 30.00    | 37.99     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                 |                |                |           |  |
| 17.847                                       | 17.847 | (1.190)  | 146   | 12267634 | 200.000         | 202.99         | 70.00- 130.00  | 100.00(A) |  |
| 17.847                                       | 17.847 | (1.190)  | 148   | 7809376  |                 |                | 0.00- 30.00    | 63.66     |  |
| 17.847                                       | 17.847 | (1.190)  | 111   | 4766024  |                 |                | 0.00- 30.00    | 38.85     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |                 |                |                |           |  |
| 17.985                                       | 17.985 | (1.199)  | 91    | 14718928 | 200.000         | 179.73         | 70.00- 130.00  | 100.00    |  |
| 17.985                                       | 17.985 | (1.199)  | 126   | 3969917  |                 |                | 0.00- 30.00    | 26.97     |  |
| -----  |        |          |       |          |                 |                |                |           |  |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |                 |                |                |           |  |
| 18.206                                       | 18.206 | (1.214)  | 146   | 9883248  | 200.000         | 192.69         | 70.00- 130.00  | 100.00    |  |
| 18.206                                       | 18.206 | (1.214)  | 148   | 6363469  |                 |                | 33.15- 93.15   | 64.39     |  |
| 18.206                                       | 18.206 | (1.214)  | 111   | 3768884  |                 |                | 7.43- 67.43    | 38.13     |  |
| -----  |        |          |       |          |                 |                |                |           |  |

| AMOUNTS |                        |          |       |          |                 |                 |               |        |     |
|---------|------------------------|----------|-------|----------|-----------------|-----------------|---------------|--------|-----|
| RT      | EXP RT                 | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)  | TARGET RANGE  | RATIO  |     |
| ==      | =====                  | =====    | ===== | =====    | =====           | =====           | =====         | =====  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 163     | 1,2,4-Trichlorobenzene |          |       |          |                 | CAS #: 120-82-1 |               |        |     |
| 19.506  | 19.506                 | (1.300)  | 180   | 6831838  | 200.000         | 204.92          | 70.00- 130.00 | 100.00 | (A) |
| 19.506  | 19.506                 | (1.300)  | 182   | 6488599  |                 |                 | 65.53- 125.53 | 94.98  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 164     | Hexachlorobutadiene    |          |       |          |                 | CAS #: 87-68-3  |               |        |     |
| 19.589  | 19.589                 | (1.306)  | 225   | 4721084  | 200.000         | 200.65          | 70.00- 130.00 | 100.00 | (A) |
| 19.589  | 19.589                 | (1.306)  | 223   | 2961529  |                 |                 | 32.61- 92.61  | 62.73  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 142     | Propylbenzene          |          |       |          |                 | CAS #: 103-65-1 |               |        |     |
| 16.824  | 16.824                 | (1.122)  | 91    | 22017247 | 200.000         | 196.17          | 70.00- 130.00 | 100.00 |     |
| 16.824  | 16.824                 | (1.122)  | 120   | 5393024  |                 |                 | 0.00- 30.00   | 24.49  |     |
| 16.824  | 16.824                 | (1.122)  | 105   | 829969   |                 |                 | 0.00- 30.00   | 3.77   |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 136     | Cumene                 |          |       |          |                 | CAS #: 98-82-8  |               |        |     |
| 16.326  | 16.326                 | (1.088)  | 105   | 18001694 | 200.000         | 177.08          | 70.00- 130.00 | 100.00 |     |
| 16.326  | 16.326                 | (1.088)  | 120   | 5463296  |                 |                 | 0.00- 30.00   | 30.35  |     |
| 16.326  | 16.326                 | (1.088)  | 51    | 2221860  |                 |                 | 0.00- 30.00   | 12.34  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 165     | Naphthalene            |          |       |          |                 | CAS #: 91-20-3  |               |        |     |
| 19.672  | 19.672                 | (1.312)  | 128   | 15074999 | 200.000         | 144.03          | 70.00- 130.00 | 100.00 |     |
| 19.672  | 19.672                 | (1.312)  | 127   | 2935225  |                 |                 | 0.00- 30.00   | 19.47  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 37      | tert-Butyl-Alcohol     |          |       |          |                 | CAS #: 75-65-0  |               |        |     |
| 5.570   | 5.570                  | (0.689)  | 59    | 3281052  | 200.000         | 137.06          | 70.00- 130.00 | 100.00 |     |
| 5.570   | 5.570                  | (0.689)  | 41    | 863028   |                 |                 | 0.00- 30.00   | 26.30  |     |
| 5.570   | 5.570                  | (0.689)  | 57    | 341652   |                 |                 | 0.00- 30.00   | 10.41  |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 11      | Butane                 |          |       |          |                 | CAS #: 106-97-8 |               |        |     |
| 2.695   | 2.695                  | (0.333)  | 58    | 869375   | 200.000         | 172.84          | 70.00- 130.00 | 100.00 |     |
| 2.695   | 2.695                  | (0.333)  | 43    | 7366632  |                 |                 | 0.00- 30.00   | 847.35 |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 17      | Isopentane             |          |       |          |                 | CAS #: 78-78-4  |               |        |     |
| 3.441   | 3.441                  | (0.426)  | 43    | 5858716  | 200.000         | 189.94          | 70.00- 130.00 | 100.00 |     |
| 3.441   | 3.441                  | (0.426)  | 57    | 3369829  |                 |                 | 0.00- 30.00   | 57.52  |     |
| 3.441   | 3.441                  | (0.426)  | 72    | 308848   |                 |                 | 0.00- 30.00   | 5.27   |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |
| 94      | Methyl Cyclohexane     |          |       |          |                 | CAS #: 108-87-2 |               |        |     |
| 10.575  | 10.575                 | (1.067)  | 83    | 6834507  | 200.000         | 197.86          | 70.00- 130.00 | 100.00 |     |
| 10.575  | 10.575                 | (1.067)  | 98    | 3310162  |                 |                 | 0.00- 30.00   | 48.43  |     |
| 10.575  | 10.575                 | (1.067)  | 55    | 6840295  |                 |                 | 0.00- 30.00   | 100.08 |     |
| -----   |                        |          |       |          |                 |                 |               |        |     |

QC Flag Legend

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

Report Date: 10-Apr-2008 08:27

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 09-APR-2008

Lab File ID: 5040911.d

Calibration Time: 13:43

Lab Smp Id: ICAL

Client Smp ID: Level 7

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-09apr.b/t14q409a.m

Misc Info: 200ppbv -&gt; 200ppbv

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 245525   | 147315     | 343735  | 284122  | 15.72 |
| 92 1,4-Difluorobenze | 1111535  | 666921     | 1556149 | 1215381 | 9.34  |
| 125 Chlorobenzene-d5 | 1171390  | 702834     | 1639946 | 1274796 | 8.83  |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.91   | 0.00  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 0.00  |

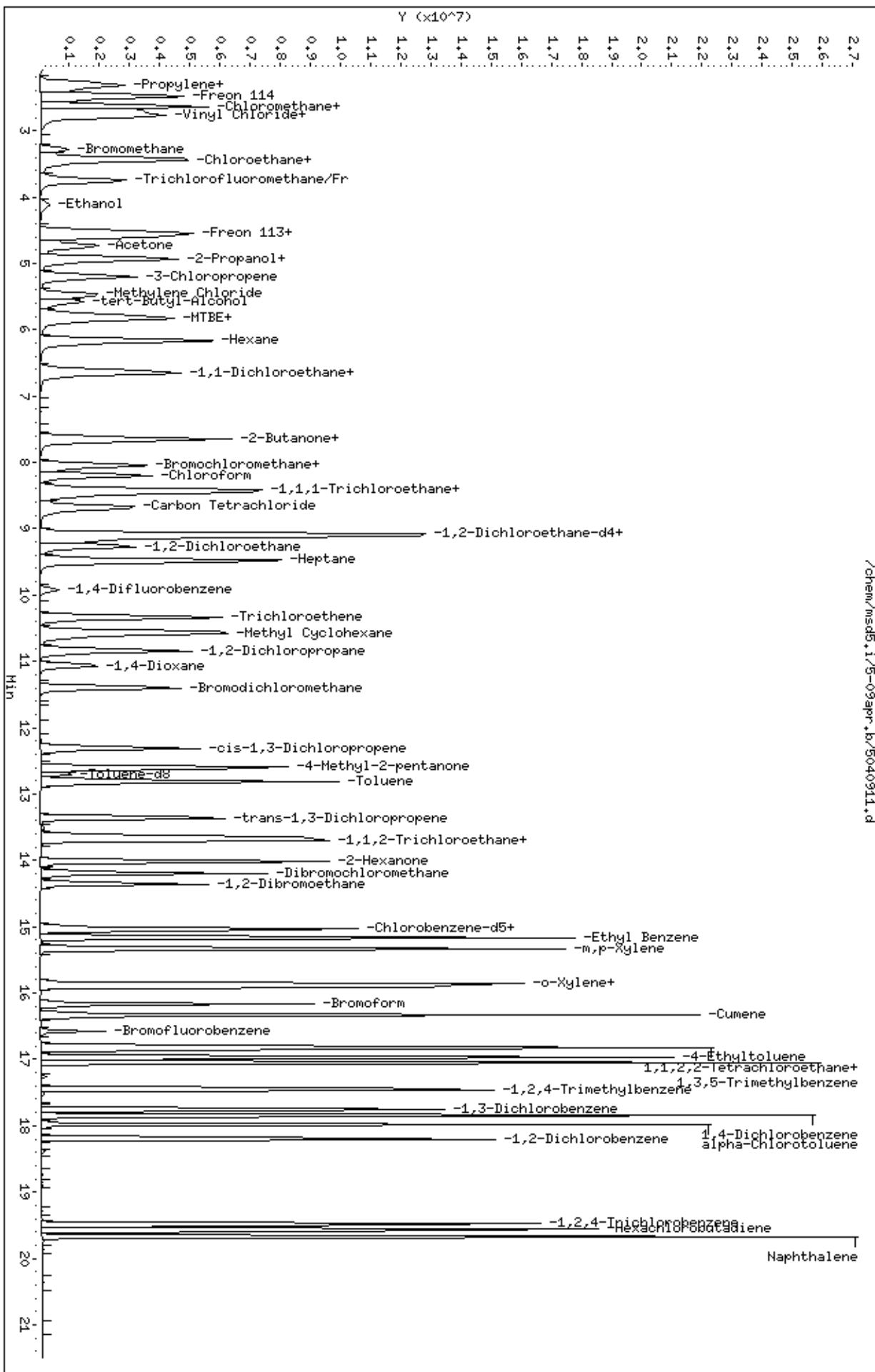
AREA UPPER LIMIT = + 40% of internal standard area.

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#: 0804095-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 5041202 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 4/12/08 04:25 PM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Freon 12                  | 97        |
| Freon 114                 | 110       |
| Vinyl Chloride            | 96        |
| Bromomethane              | 105       |
| Chloroethane              | 104       |
| Freon 11                  | 108       |
| 1,1-Dichloroethene        | 101       |
| Freon 113                 | 109       |
| Methylene Chloride        | 99        |
| 1,1-Dichloroethane        | 101       |
| cis-1,2-Dichloroethene    | 104       |
| Chloroform                | 99        |
| 1,1,1-Trichloroethane     | 117       |
| Carbon Tetrachloride      | 113       |
| Benzene                   | 88        |
| 1,2-Dichloroethane        | 121       |
| Trichloroethene           | 108       |
| 1,2-Dichloropropane       | 102       |
| cis-1,3-Dichloropropene   | 114       |
| Toluene                   | 110       |
| trans-1,3-Dichloropropene | 117       |
| 1,1,2-Trichloroethane     | 103       |
| Tetrachloroethene         | 109       |
| 1,2-Dibromoethane (EDB)   | 110       |
| Chlorobenzene             | 103       |
| Ethyl Benzene             | 108       |
| m,p-Xylene                | 104       |
| o-Xylene                  | 104       |
| Styrene                   | 99        |
| 1,1,2,2-Tetrachloroethane | 105       |
| 1,3,5-Trimethylbenzene    | 104       |
| 1,2,4-Trimethylbenzene    | 101       |
| 1,3-Dichlorobenzene       | 99        |
| 1,4-Dichlorobenzene       | 102       |
| alpha-Chlorotoluene       | 114       |
| 1,2-Dichlorobenzene       | 96        |
| 1,3-Butadiene             | 92        |
| Hexane                    | 92        |
| Cyclohexane               | 95        |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0804095-04A

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

|                     |                |   |
|---------------------|----------------|---|
| <b>File Name:</b>   | <b>5041202</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>    | <b>Date of Analysis: 4/12/08 04:25 PM</b> |

| <b>Compound</b>                  | <b>%Recovery</b> |
|----------------------------------|------------------|
| Heptane                          | 96               |
| Bromodichloromethane             | 120              |
| Dibromochloromethane             | 117              |
| Cumene                           | 103              |
| Propylbenzene                    | 109              |
| Chloromethane                    | 100              |
| 1,2,4-Trichlorobenzene           | 85               |
| Hexachlorobutadiene              | 85               |
| Acetone                          | 95               |
| Carbon Disulfide                 | 99               |
| 2-Propanol                       | 94               |
| trans-1,2-Dichloroethene         | 96               |
| 2-Butanone (Methyl Ethyl Ketone) | 98               |
| Tetrahydrofuran                  | 93               |
| 1,4-Dioxane                      | 99               |
| 4-Methyl-2-pentanone             | 109              |
| 2-Hexanone                       | 99               |
| Bromoform                        | 118              |
| 4-Ethyltoluene                   | 106              |
| Ethanol                          | 90               |
| Methyl tert-butyl ether          | 96               |
| 3-Chloropropene                  | 94               |
| 2,2,4-Trimethylpentane           | 106              |
| Naphthalene                      | 86               |

**Container Type: NA - Not Applicable**

| <b>Surrogates</b>     | <b>%Recovery</b> | <b>Method Limits</b> |
|-----------------------|------------------|----------------------|
| Toluene-d8            | 107              | 70-130               |
| 1,2-Dichloroethane-d4 | 118              | 70-130               |
| 4-Bromofluorobenzene  | 102              | 70-130               |

Report Date: 15-Apr-2008 14:26

## Air Toxics Ltd.

## CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i                      Injection Date: 12-APR-2008 16:25  
 Lab File ID: 5041202.d                    Init. Cal. Date(s): 09-APR-2008 10-APR-2008  
 Analysis Type: AIR                         Init. Cal. Times: 11:52 12:52  
 Lab Sample ID: CCV-1                      Quant Type: ISTD  
 Method: /chem/msd5.i/5-12apr.b/t14q409a.m

| COMPOUND                       | RRF / AMOUNT | RF50     | MIN   | MAX         | CURVE TYPE  |          |
|--------------------------------|--------------|----------|-------|-------------|-------------|----------|
|                                |              |          | RRF   | %D / %DRIFT | %D / %DRIFT |          |
| \$ 84 1,2-Dichloroethane-d4    | 1.33697      | 1.57766  | 0.010 | -18.00272   | 30.00000    | Averaged |
| \$ 107 Toluene-d8              | 1.04734      | 1.11813  | 0.010 | -6.75881    | 30.00000    | Averaged |
| \$ 138 Bromofluorobenzene      | 0.60103      | 0.61579  | 0.010 | -2.45623    | 30.00000    | Averaged |
| 6 Propylene                    | 1.50420      | 1.42674  | 0.010 | 5.14966     | 30.00000    | Averaged |
| 8 Dichlorodifluoromethane/Fr1  | 2.41282      | 2.34917  | 0.010 | 2.63796     | 30.00000    | Averaged |
| 9 Freon 114                    | 2.17502      | 2.38498  | 0.010 | -9.65344    | 30.00000    | Averaged |
| 10 Chloromethane               | 2.00724      | 2.01177  | 0.010 | -0.22575    | 30.00000    | Averaged |
| 13 Vinyl Chloride              | 1.60634      | 1.55107  | 0.010 | 3.44053     | 30.00000    | Averaged |
| 12 1,3-Butadiene               | 1.63756      | 1.50005  | 0.010 | 8.39718     | 30.00000    | Averaged |
| 15 Bromomethane                | 0.89300      | 0.94042  | 0.010 | -5.30963    | 30.00000    | Averaged |
| 19 Chloroethane                | 0.74975      | 0.77792  | 0.010 | -3.75658    | 30.00000    | Averaged |
| 20 Trichlorofluoromethane/Fr11 | 2.74161      | 2.94815  | 0.010 | -7.53386    | 30.00000    | Averaged |
| 26 Ethanol                     | 0.74286      | 0.66938  | 0.010 | 9.89199     | 30.00000    | Averaged |
| 30 Freon 113                   | 1.79663      | 1.95349  | 0.010 | -8.73096    | 30.00000    | Averaged |
| 31 1,1-Dichloroethene          | 2.26654      | 2.28397  | 0.010 | -0.76871    | 30.00000    | Averaged |
| 32 Acetone                     | 0.85327      | 0.80889  | 0.010 | 5.20082     | 30.00000    | Averaged |
| 36 2-Propanol                  | 3.67603      | 3.47037  | 0.010 | 5.59453     | 30.00000    | Averaged |
| 35 Carbon Disulfide            | 3.66354      | 3.62176  | 0.010 | 1.14058     | 30.00000    | Averaged |
| 38 3-Chloropropene             | 0.68520      | 0.64740  | 0.010 | 5.51713     | 30.00000    | Averaged |
| 43 Methylene Chloride          | 2.10010      | 2.08523  | 0.010 | 0.70804     | 30.00000    | Averaged |
| 46 MTBE                        | 2.31782      | 2.23352  | 0.010 | 3.63714     | 30.00000    | Averaged |
| 47 trans-1,2-Dichloroethene    | 1.54451      | 1.48936  | 0.010 | 3.57020     | 30.00000    | Averaged |
| 51 Hexane                      | 3.22644      | 2.97279  | 0.010 | 7.86160     | 30.00000    | Averaged |
| 56 Vinyl Acetate               | 0.40987      | 0.39726  | 0.010 | 3.07733     | 30.00000    | Averaged |
| 55 1,1-Dichloroethane          | 2.76848      | 2.79572  | 0.010 | -0.98406    | 30.00000    | Averaged |
| 67 2-Butanone                  | 0.73470      | 0.71914  | 0.010 | 2.11897     | 30.00000    | Averaged |
| 66 cis-1,2-Dichloroethene      | 2.21300      | 2.29280  | 0.010 | -3.60584    | 30.00000    | Averaged |
| 70 Tetrahydrofuran             | 3.02034      | 2.81929  | 0.010 | 6.65649     | 30.00000    | Averaged |
| 72 Chloroform                  | 2.81878      | 2.79502  | 0.010 | 0.84277     | 30.00000    | Averaged |
| 75 1,1,1-Trichloroethane       | 2.45955      | 2.87014  | 0.010 | -16.69398   | 30.00000    | Averaged |
| 74 Cyclohexane                 | 2.22818      | 2.12475  | 0.010 | 4.64180     | 30.00000    | Averaged |
| 77 Carbon Tetrachloride        | 2.31564      | 2.62641  | 0.010 | -13.42023   | 30.00000    | Averaged |
| 80 2,2,4-Trimethylpentane      | 10.07191     | 10.64046 | 0.010 | -5.64488    | 30.00000    | Averaged |
| 81 Benzene                     | 1.19900      | 1.06060  | 0.010 | 11.54288    | 30.00000    | Averaged |
| 85 1,2-Dichloroethane          | 0.42097      | 0.50921  | 0.010 | -20.96033   | 30.00000    | Averaged |

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i                    Injection Date: 12-APR-2008 16:25  
 Lab File ID: 5041202.d                Init. Cal. Date(s): 09-APR-2008 10-APR-2008  
 Analysis Type: AIR                    Init. Cal. Times: 11:52 12:52  
 Lab Sample ID: CCV-1                 Quant Type: ISTD  
 Method: /chem/msd5.i/5-12apr.b/tl4q409a.m

| COMPOUND                      | RRF / AMOUNT | RF50    | MIN               | MAX         | CURVE TYPE |
|-------------------------------|--------------|---------|-------------------|-------------|------------|
|                               |              |         | RRF   %D / %DRIFT | %D / %DRIFT |            |
| 90 Heptane                    | 0.13470      | 0.13010 | 0.010   3.41974   | 30.00000    | Averaged   |
| 93 Trichloroethene            | 0.43886      | 0.47209 | 0.010   -7.57320  | 30.00000    | Averaged   |
| 98 1,2-Dichloropropane        | 0.44553      | 0.45468 | 0.010   -2.05293  | 30.00000    | Averaged   |
| 99 1,4-Dioxane                | 0.28934      | 0.28633 | 0.010   1.03877   | 30.00000    | Averaged   |
| 100 Bromodichloromethane      | 0.60708      | 0.72938 | 0.010   -20.14624 | 30.00000    | Averaged   |
| 103 cis-1,3-Dichloropropene   | 0.52407      | 0.59515 | 0.010   -13.56287 | 30.00000    | Averaged   |
| 106 4-Methyl-2-pentanone      | 0.42077      | 0.46060 | 0.010   -9.46563  | 30.00000    | Averaged   |
| 108 Toluene                   | 1.28595      | 1.40974 | 0.010   -9.62642  | 30.00000    | Averaged   |
| 113 trans-1,3-Dichloropropene | 0.47807      | 0.56009 | 0.010   -17.15757 | 30.00000    | Averaged   |
| 114 1,1,2-Trichloroethane     | 0.43428      | 0.44697 | 0.010   -2.92217  | 30.00000    | Averaged   |
| 116 Tetrachloroethene         | 0.49986      | 0.54564 | 0.010   -9.15950  | 30.00000    | Averaged   |
| 119 2-Hexanone                | 0.59361      | 0.58788 | 0.010   0.96551   | 30.00000    | Averaged   |
| 120 Dibromochloromethane      | 0.56052      | 0.65754 | 0.010   -17.30817 | 30.00000    | Averaged   |
| 122 1,2-Dibromoethane         | 0.63793      | 0.70461 | 0.010   -10.45200 | 30.00000    | Averaged   |
| 126 Chlorobenzene             | 0.98247      | 1.01526 | 0.010   -3.33692  | 30.00000    | Averaged   |
| 128 Ethyl Benzene             | 0.54734      | 0.59044 | 0.010   -7.87418  | 30.00000    | Averaged   |
| 130 m,p-Xylene                | 0.69388      | 0.72074 | 0.010   -3.87111  | 30.00000    | Averaged   |
| 132 o-Xylene                  | 0.64375      | 0.67239 | 0.010   -4.44960  | 30.00000    | Averaged   |
| 133 Styrene                   | 1.13057      | 1.11593 | 0.010   1.29539   | 30.00000    | Averaged   |
| 134 Bromoform                 | 0.52732      | 0.62508 | 0.010   -18.53945 | 30.00000    | Averaged   |
| 141 1,1,2,2-Tetrachloroethane | 0.92523      | 0.97269 | 0.010   -5.12945  | 30.00000    | Averaged   |
| 144 4-Ethyltoluene            | 1.91757      | 2.04161 | 0.010   -6.46875  | 30.00000    | Averaged   |
| 147 1,3,5-Trimethylbenzene    | 1.72483      | 1.79275 | 0.010   -3.93757  | 30.00000    | Averaged   |
| 152 1,2,4-Trimethylbenzene    | 1.50500      | 1.51893 | 0.010   -0.92558  | 30.00000    | Averaged   |
| 155 1,3-Dichlorobenzene       | 0.97617      | 0.96810 | 0.010   0.82650   | 30.00000    | Averaged   |
| 156 1,4-Dichlorobenzene       | 1.16732      | 1.18630 | 0.010   -1.62664  | 30.00000    | Averaged   |
| 157 alpha-Chlorotoluene       | 1.51199      | 1.72361 | 0.010   -13.99600 | 30.00000    | Averaged   |
| 159 1,2-Dichlorobenzene       | 0.98991      | 0.94955 | 0.010   4.07739   | 30.00000    | Averaged   |
| 163 1,2,4-Trichlorobenzene    | 0.65380      | 0.55841 | 0.010   14.59052  | 30.00000    | Averaged   |
| 164 Hexachlorobutadiene       | 0.46143      | 0.39039 | 0.010   15.39518  | 30.00000    | Averaged   |
| 142 Propylbenzene             | 2.10275      | 2.29861 | 0.010   -9.31468  | 30.00000    | Averaged   |
| 136 Cumene                    | 1.91629      | 1.98144 | 0.010   -3.39987  | 30.00000    | Averaged   |
| 165 Naphthalene               | 2.05260      | 1.77009 | 0.010   13.76365  | 30.00000    | Averaged   |
| 37 tert-Butyl-Alcohol         | 2.10634      | 1.86593 | 0.010   11.41367  | 40.00000    | Averaged   |
| 11 Butane                     | 0.44259      | 0.37878 | 0.010   14.41690  | 30.00000    | Averaged   |

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd5.i                    Injection Date: 12-APR-2008 16:25  
Lab File ID: 5041202.d                Init. Cal. Date(s): 09-APR-2008 10-APR-2008  
Analysis Type: AIR                    Init. Cal. Times: 11:52                    12:52  
Lab Sample ID: CCV-1                  Quant Type: ISTD  
Method: /chem/msd5.i/5-12apr.b/t14q409a.m

| COMPOUND              | RRF / AMOUNT | RF50    | MIN   | MAX      | CURVE TYPE |          |
|-----------------------|--------------|---------|-------|----------|------------|----------|
| 17 Isopentane         | 2.71409      | 2.53705 | 0.010 | 6.52305  | 30.00000   | Averaged |
| 94 Methyl Cyclohexane | 0.68433      | 0.69767 | 0.010 | -1.94921 | 30.00000   | Averaged |

Report Date: 15-Apr-2008 14:26

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12apr.b/5041202.d  
 Lab Smp Id: CCV-1 Client Smp ID: CCV-1  
 Inj Date : 12-APR-2008 16:25  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 50mL #1576-326  
 Misc Info : 50ppbv (200ppbv)  
 Comment :  
 Method : /chem/msd5.i/5-12apr.b/t14q409a.m  
 Meth Date : 15-Apr-2008 14:26 ctaylor Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1 Continuing Calibration Sample  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| AMOUNTS                                       |        |          |       |          |         |         |        |                |        |
|---|--------|----------|-------|----------|---------|---------|--------|----------------|--------|
| RT  | EXP RT | (REL RT) | MASS  | RESPONSE | (PPBV)  | CAL-AMT | ON-COL | TARGET RANGE   | RATIO  |
| ==  | =====  | =====    | ===== | =====    | =====   | =====   | =====  | =====          | =====  |
| * 71 Bromochloromethane CAS #: 74-97-5        |        |          |       |          |         |         |        |                |        |
| 8.087   | 8.087  | (1.000)  | 130   | 235719   | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 8.087   | 8.087  | (1.000)  | 128   | 182305   |         |         |        | 47.34- 107.34  | 77.34  |
| 8.059   | 8.059  | (1.000)  | 49    | 480366   |         |         |        | 173.79- 233.79 | 203.79 |
| -----   |        |          |       |          |         |         |        |                |        |
| * 92 1,4-Difluorobenzene CAS #: 540-36-3      |        |          |       |          |         |         |        |                |        |
| 9.939   | 9.939  | (1.000)  | 114   | 1116148  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 9.912   | 9.912  | (1.000)  | 88    | 167300   |         |         |        | 0.00- 44.99    | 14.99  |
| -----   |        |          |       |          |         |         |        |                |        |
| * 125 Chlorobenzene-d5 CAS #: 3114-55-4       |        |          |       |          |         |         |        |                |        |
| 14.999  | 14.999 | (1.000)  | 117   | 1213132  | 25.0000 |         |        | 80.00- 120.00  | 100.00 |
| 14.999  | 14.999 | (1.000)  | 82    | 643308   |         |         |        | 0.00- 30.00    | 53.03  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 84 1,2-Dichloroethane-d4 CAS #: 17060-07-0 |        |          |       |          |         |         |        |                |        |
| 9.137   | 9.137  | (1.130)  | 65    | 371884   | 25.0000 | 29.501  |        | 80.00- 120.00  | 100.00 |
| 9.137   | 9.137  | (1.130)  | 67    | 218028   |         |         |        | 28.07- 88.07   | 58.63  |
| -----   |        |          |       |          |         |         |        |                |        |
| \$ 107 Toluene-d8 CAS #: 2037-26-5            |        |          |       |          |         |         |        |                |        |
| 12.704  | 12.704 | (1.278)  | 98    | 1247996  | 25.0000 | 26.690  |        | 80.00- 120.00  | 100.00 |
| 12.704  | 12.704 | (1.278)  | 70    | 118457   |         |         |        | 0.00- 39.37    | 9.49   |

| AMOUNTS                        |        |          |       |          |                 |                |                |        |  |  |
|--------------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|--------|--|--|
| RT                             | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO  |  |  |
| ==                             | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| \$ 107 Toluene-d8 (continued)  |        |          |       |          |                 |                |                |        |  |  |
| 12.704                         | 12.704 | (1.278)  | 100   | 871394   |                 |                | 40.62- 100.62  | 69.82  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| \$ 138 Bromofluorobenzene      |        |          |       |          |                 |                |                |        |  |  |
|                                |        |          |       |          |                 | CAS #:         | 460-00-4       |        |  |  |
| 16.575                         | 16.575 | (1.105)  | 174   | 747039   | 25.0000         | 25.614         | 80.00- 120.00  | 100.00 |  |  |
| 16.575                         | 16.575 | (1.105)  | 95    | 1048139  |                 |                | 110.31- 170.31 | 140.31 |  |  |
| 16.575                         | 16.575 | (1.105)  | 176   | 702564   |                 |                | 64.05- 124.05  | 94.05  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 6 Propylene                    |        |          |       |          |                 | CAS #:         | 115-07-1       |        |  |  |
| 2.308                          | 2.308  | (0.285)  | 41    | 672621   | 50.0000         | 47.425         | 80.00- 120.00  | 100.00 |  |  |
| 2.308                          | 2.308  | (0.285)  | 42    | 446807   |                 |                | 0.00- 30.00    | 66.43  |  |  |
| 2.308                          | 2.308  | (0.285)  | 39    | 503907   |                 |                | 0.00- 30.00    | 74.92  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 8 Dichlorodifluoromethane/Fr12 |        |          |       |          |                 | CAS #:         | 75-71-8        |        |  |  |
| 2.363                          | 2.363  | (0.292)  | 85    | 1107490  | 50.0000         | 48.681         | 80.00- 120.00  | 100.00 |  |  |
| 2.363                          | 2.363  | (0.292)  | 87    | 358548   |                 |                | 0.00- 30.00    | 32.37  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 9 Freon 114                    |        |          |       |          |                 | CAS #:         | 76-14-2        |        |  |  |
| 2.474                          | 2.474  | (0.306)  | 135   | 1124372  | 50.0000         | 54.827         | 80.00- 120.00  | 100.00 |  |  |
| 2.474                          | 2.474  | (0.306)  | 137   | 371869   |                 |                | 3.07- 63.07    | 33.07  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 10 Chloromethane               |        |          |       |          |                 | CAS #:         | 74-87-3        |        |  |  |
| 2.612                          | 2.612  | (0.323)  | 50    | 948425   | 50.0000         | 50.113         | 80.00- 120.00  | 100.00 |  |  |
| 2.612                          | 2.612  | (0.323)  | 52    | 257375   |                 |                | 0.00- 30.00    | 27.14  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 13 Vinyl Chloride              |        |          |       |          |                 | CAS #:         | 75-01-4        |        |  |  |
| 2.806                          | 2.806  | (0.347)  | 62    | 731234   | 50.0000         | 48.280         | 80.00- 120.00  | 100.00 |  |  |
| 2.806                          | 2.806  | (0.347)  | 64    | 213037   |                 |                | 0.00- 30.00    | 29.13  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 12 1,3-Butadiene               |        |          |       |          |                 | CAS #:         | 106-99-0       |        |  |  |
| 2.778                          | 2.778  | (0.344)  | 54    | 707182   | 50.0000         | 45.801         | 80.00- 120.00  | 100.00 |  |  |
| 2.778                          | 2.778  | (0.344)  | 39    | 933734   |                 |                | 0.00- 30.00    | 132.04 |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 15 Bromomethane                |        |          |       |          |                 | CAS #:         | 74-83-9        |        |  |  |
| 3.303                          | 3.303  | (0.408)  | 94    | 443348   | 50.0000         | 52.655         | 80.00- 120.00  | 100.00 |  |  |
| 3.303                          | 3.303  | (0.408)  | 96    | 412657   |                 |                | 63.08- 123.08  | 93.08  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 19 Chloroethane                |        |          |       |          |                 | CAS #:         | 75-00-3        |        |  |  |
| 3.442                          | 3.442  | (0.426)  | 64    | 366741   | 50.0000         | 51.878         | 80.00- 120.00  | 100.00 |  |  |
| 3.442                          | 3.442  | (0.426)  | 49    | 134384   |                 |                | 0.00- 30.00    | 36.64  |  |  |
| 3.442                          | 3.442  | (0.426)  | 66    | 107664   |                 |                | 0.00- 30.00    | 29.36  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |
| 20 Trichlorofluoromethane/Fr11 |        |          |       |          |                 | CAS #:         | 75-69-4        |        |  |  |
| 3.746                          | 3.746  | (0.463)  | 101   | 1389872  | 50.0000         | 53.767         | 80.00- 120.00  | 100.00 |  |  |
| 3.746                          | 3.746  | (0.463)  | 103   | 891355   |                 |                | 34.13- 94.13   | 64.13  |  |  |
| -----                          |        |          |       |          |                 |                |                |        |  |  |



| AMOUNTS                     |        |          |       |          |                 |                  |                |        |  |
|-----------------------------|--------|----------|-------|----------|-----------------|------------------|----------------|--------|--|
| RT                          | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)   | TARGET RANGE   | RATIO  |  |
| ==                          | =====  | =====    | ===== | =====    | =====           | =====            | =====          | =====  |  |
| 26 Ethanol                  |        |          |       |          |                 | CAS #: 64-17-5   |                |        |  |
| 4.105                       | 4.105  | (0.508)  | 45    | 315570   | 50.0000         | 45.054           | 80.00- 120.00  | 100.00 |  |
| 4.105                       | 4.105  | (0.508)  | 43    | 62489    |                 |                  | 0.00- 30.00    | 19.80  |  |
| 4.105                       | 4.105  | (0.508)  | 46    | 126116   |                 |                  | 0.00- 30.00    | 39.96  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 30 Freon 113                |        |          |       |          |                 | CAS #: 76-13-1   |                |        |  |
| 4.548                       | 4.548  | (0.562)  | 151   | 920949   | 50.0000         | 54.365           | 80.00- 120.00  | 100.00 |  |
| 4.548                       | 4.548  | (0.562)  | 153   | 573194   |                 |                  | 32.24- 92.24   | 62.24  |  |
| 4.548                       | 4.548  | (0.562)  | 101   | 1099649  |                 |                  | 89.40- 149.40  | 119.40 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 31 1,1-Dichloroethene       |        |          |       |          |                 | CAS #: 75-35-4   |                |        |  |
| 4.603                       | 4.603  | (0.569)  | 61    | 1076748  | 50.0000         | 50.384           | 80.00- 120.00  | 100.00 |  |
| 4.603                       | 4.603  | (0.569)  | 96    | 582307   |                 |                  | 24.08- 84.08   | 54.08  |  |
| 4.603                       | 4.603  | (0.569)  | 98    | 361811   |                 |                  | 3.60- 63.60    | 33.60  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 32 Acetone                  |        |          |       |          |                 | CAS #: 67-64-1   |                |        |  |
| 4.741                       | 4.741  | (0.586)  | 58    | 381342   | 50.0000         | 47.400           | 80.00- 120.00  | 100.00 |  |
| 4.741                       | 4.741  | (0.586)  | 43    | 1424060  |                 |                  | 0.00- 30.00    | 373.43 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 36 2-Propanol               |        |          |       |          |                 | CAS #: 67-63-0   |                |        |  |
| 4.935                       | 4.935  | (0.610)  | 45    | 1636065  | 50.0000         | 47.203           | 80.00- 120.00  | 100.00 |  |
| 4.935                       | 4.935  | (0.610)  | 43    | 397097   |                 |                  | 0.00- 30.00    | 24.27  |  |
| 4.935                       | 4.935  | (0.610)  | 59    | 50470    |                 |                  | 0.00- 30.00    | 3.08   |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 35 Carbon Disulfide         |        |          |       |          |                 | CAS #: 75-15-0   |                |        |  |
| 4.935                       | 4.935  | (0.610)  | 76    | 1707433  | 50.0000         | 49.430           | 80.00- 120.00  | 100.00 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 38 3-Chloropropene          |        |          |       |          |                 | CAS #: 107-05-1  |                |        |  |
| 5.211                       | 5.211  | (0.644)  | 76    | 305209   | 50.0000         | 47.241           | 80.00- 120.00  | 100.00 |  |
| 5.211                       | 5.211  | (0.644)  | 41    | 1275387  |                 |                  | 0.00- 30.00    | 417.87 |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 43 Methylene Chloride       |        |          |       |          |                 | CAS #: 75-09-2   |                |        |  |
| 5.460                       | 5.460  | (0.675)  | 49    | 983056   | 50.0000         | 49.646           | 80.00- 120.00  | 100.00 |  |
| 5.460                       | 5.460  | (0.675)  | 84    | 511514   |                 |                  | 22.03- 82.03   | 52.03  |  |
| 5.460                       | 5.460  | (0.675)  | 51    | 304685   |                 |                  | 0.00- 30.00    | 30.99  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 46 MTBE                     |        |          |       |          |                 | CAS #: 1634-04-4 |                |        |  |
| 5.792                       | 5.792  | (0.716)  | 73    | 1052965  | 50.0000         | 48.181           | 80.00- 120.00  | 100.00 |  |
| 5.792                       | 5.792  | (0.716)  | 57    | 319289   |                 |                  | 0.32- 60.32    | 30.32  |  |
| 5.792                       | 5.792  | (0.716)  | 41    | 384608   |                 |                  | 0.00- 30.00    | 36.53  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |
| 47 trans-1,2-Dichloroethene |        |          |       |          |                 | CAS #: 156-60-5  |                |        |  |
| 5.847                       | 5.847  | (0.723)  | 96    | 702143   | 50.0000         | 48.215           | 80.00- 120.00  | 100.00 |  |
| 5.847                       | 5.847  | (0.723)  | 61    | 1121375  |                 |                  | 129.71- 189.71 | 159.71 |  |
| 5.847                       | 5.847  | (0.723)  | 98    | 447803   |                 |                  | 0.00- 30.00    | 63.78  |  |
| -----                       |        |          |       |          |                 |                  |                |        |  |

| AMOUNTS                   |        |          |       |          |                 |                |                |         |       |
|---------------------------|--------|----------|-------|----------|-----------------|----------------|----------------|---------|-------|
| RT                        | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE   | RATIO   |       |
| ==                        | =====  | =====    | ===== | =====    | =====           | =====          | =====          | =====   | ===== |
| 51 Hexane                 |        |          |       |          | CAS #: 110-54-3 |                |                |         |       |
| 6.179                     | 6.179  | (0.764)  | 57    | 1401485  | 50.0000         | 46.069         | 80.00- 120.00  | 100.00  |       |
| 6.179                     | 6.179  | (0.764)  | 43    | 1072863  |                 |                | 0.00- 30.00    | 76.55   |       |
| 6.179                     | 6.179  | (0.764)  | 86    | 195292   |                 |                | 0.00- 30.00    | 13.93   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 56 Vinyl Acetate          |        |          |       |          | CAS #: 108-05-4 |                |                |         |       |
| 6.676                     | 6.676  | (0.826)  | 86    | 187282   | 50.0000         | 48.461         | 80.00- 120.00  | 100.00  |       |
| 6.676                     | 6.676  | (0.826)  | 43    | 2723775  |                 |                | 0.00- 30.00    | 1454.37 |       |
| 6.676                     | 6.676  | (0.826)  | 42    | 245949   |                 |                | 0.00- 30.00    | 131.33  |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 55 1,1-Dichloroethane     |        |          |       |          | CAS #: 75-34-3  |                |                |         |       |
| 6.621                     | 6.621  | (0.819)  | 63    | 1318008  | 50.0000         | 50.492         | 80.00- 120.00  | 100.00  |       |
| 6.621                     | 6.621  | (0.819)  | 65    | 390675   |                 |                | 0.00- 59.64    | 29.64   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 67 2-Butanone             |        |          |       |          | CAS #: 78-93-3  |                |                |         |       |
| 7.672                     | 7.672  | (0.949)  | 72    | 339028   | 50.0000         | 48.940         | 80.00- 120.00  | 100.00  |       |
| 7.672                     | 7.672  | (0.949)  | 43    | 2168452  |                 |                | 609.61- 669.61 | 639.61  |       |
| 7.672                     | 7.672  | (0.949)  | 57    | 145417   |                 |                | 0.00- 30.00    | 42.89   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 66 cis-1,2-Dichloroethene |        |          |       |          | CAS #: 156-59-2 |                |                |         |       |
| 7.644                     | 7.644  | (0.945)  | 61    | 1080911  | 50.0000         | 51.803         | 80.00- 120.00  | 100.00  |       |
| 7.644                     | 7.644  | (0.945)  | 96    | 709267   |                 |                | 35.62- 95.62   | 65.62   |       |
| 7.644                     | 7.644  | (0.945)  | 98    | 470671   |                 |                | 13.54- 73.54   | 43.54   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 70 Tetrahydrofuran        |        |          |       |          | CAS #: 109-99-9 |                |                |         |       |
| 8.059                     | 8.059  | (0.997)  | 42    | 1329122  | 50.0000         | 46.672         | 80.00- 120.00  | 100.00  |       |
| 8.059                     | 8.059  | (0.997)  | 71    | 328641   |                 |                | 0.00- 54.73    | 24.73   |       |
| 8.059                     | 8.059  | (0.997)  | 72    | 358428   |                 |                | 0.00- 30.00    | 26.97   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 72 Chloroform             |        |          |       |          | CAS #: 67-66-3  |                |                |         |       |
| 8.197                     | 8.197  | (1.014)  | 83    | 1317680  | 50.0000         | 49.579         | 80.00- 120.00  | 100.00  |       |
| 8.197                     | 8.197  | (1.014)  | 85    | 838096   |                 |                | 33.60- 93.60   | 63.60   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 75 1,1,1-Trichloroethane  |        |          |       |          | CAS #: 71-55-6  |                |                |         |       |
| 8.446                     | 8.446  | (1.044)  | 97    | 1353094  | 50.0000         | 58.347         | 80.00- 120.00  | 100.00  |       |
| 8.446                     | 8.446  | (1.044)  | 99    | 875223   |                 |                | 34.68- 94.68   | 64.68   |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 74 Cyclohexane            |        |          |       |          | CAS #: 110-82-7 |                |                |         |       |
| 8.446                     | 8.446  | (1.044)  | 84    | 1001690  | 50.0000         | 47.679         | 80.00- 120.00  | 100.00  |       |
| 8.418                     | 8.418  | (1.041)  | 56    | 1566541  |                 |                | 126.39- 186.39 | 156.39  |       |
| 8.418                     | 8.418  | (1.041)  | 41    | 1023579  |                 |                | 72.19- 132.19  | 102.19  |       |
| -----                     |        |          |       |          |                 |                |                |         |       |
| 77 Carbon Tetrachloride   |        |          |       |          | CAS #: 56-23-5  |                |                |         |       |
| 8.695                     | 8.695  | (1.075)  | 119   | 1238189  | 50.0000         | 56.710         | 80.00- 120.00  | 100.00  |       |
| 8.695                     | 8.695  | (1.075)  | 117   | 1282028  |                 |                | 73.54- 133.54  | 103.54  |       |
| -----                     |        |          |       |          |                 |                |                |         |       |

| AMOUNTS |                         |          |       |          |                 |                   |               |        |  |  |
|---------|-------------------------|----------|-------|----------|-----------------|-------------------|---------------|--------|--|--|
| RT      | EXP RT                  | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE  | RATIO  |  |  |
| ==      | =====                   | =====    | ===== | =====    | =====           | =====             | =====         | =====  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 80      | 2,2,4-Trimethylpentane  |          |       |          |                 | CAS #: 540-84-1   |               |        |  |  |
| 9.110   | 9.110                   | (1.127)  | 57    | 5016317  | 50.0000         | 52.822            | 80.00- 120.00 | 100.00 |  |  |
| 9.110   | 9.110                   | (1.127)  | 56    | 1621571  |                 |                   | 0.00- 30.00   | 32.33  |  |  |
| 9.110   | 9.110                   | (1.127)  | 41    | 1556430  |                 |                   | 0.00- 30.00   | 31.03  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 81      | Benzene                 |          |       |          |                 | CAS #: 71-43-2    |               |        |  |  |
| 9.110   | 9.110                   | (0.917)  | 78    | 2367576  | 50.0000         | 44.228            | 80.00- 120.00 | 100.00 |  |  |
| 9.110   | 9.110                   | (0.917)  | 77    | 569294   |                 |                   | 0.00- 30.00   | 24.05  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 85      | 1,2-Dichloroethane      |          |       |          |                 | CAS #: 107-06-2   |               |        |  |  |
| 9.276   | 9.276                   | (0.933)  | 62    | 1136708  | 50.0000         | 60.480            | 80.00- 120.00 | 100.00 |  |  |
| 9.276   | 9.276                   | (0.933)  | 64    | 352585   |                 |                   | 0.00- 30.00   | 31.02  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 90      | Heptane                 |          |       |          |                 | CAS #: 142-82-5   |               |        |  |  |
| 9.497   | 9.497                   | (0.955)  | 100   | 290417   | 50.0000         | 48.290            | 80.00- 120.00 | 100.00 |  |  |
| 9.497   | 9.497                   | (0.955)  | 43    | 2270340  |                 |                   | 0.00- 30.00   | 781.75 |  |  |
| 9.497   | 9.497                   | (0.955)  | 71    | 867688   |                 |                   | 0.00- 30.00   | 298.77 |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 93      | Trichloroethene         |          |       |          |                 | CAS #: 79-01-6    |               |        |  |  |
| 10.354  | 10.354                  | (1.042)  | 95    | 1053852  | 50.0000         | 53.787            | 80.00- 120.00 | 100.00 |  |  |
| 10.354  | 10.354                  | (1.042)  | 130   | 1053455  |                 |                   | 69.96- 129.96 | 99.96  |  |  |
| 10.354  | 10.354                  | (1.042)  | 97    | 679030   |                 |                   | 34.43- 94.43  | 64.43  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 98      | 1,2-Dichloropropane     |          |       |          |                 | CAS #: 78-87-5    |               |        |  |  |
| 10.852  | 10.852                  | (1.092)  | 63    | 1014981  | 50.0000         | 51.026            | 80.00- 120.00 | 100.00 |  |  |
| 10.852  | 10.852                  | (1.092)  | 62    | 716635   |                 |                   | 40.61- 100.61 | 70.61  |  |  |
| 10.852  | 10.852                  | (1.092)  | 41    | 795183   |                 |                   | 48.34- 108.34 | 78.34  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 99      | 1,4-Dioxane             |          |       |          |                 | CAS #: 123-91-1   |               |        |  |  |
| 11.073  | 11.073                  | (1.114)  | 88    | 639176   | 50.0000         | 49.481            | 80.00- 120.00 | 100.00 |  |  |
| 11.073  | 11.073                  | (1.114)  | 58    | 556956   |                 |                   | 57.14- 117.14 | 87.14  |  |  |
| 11.073  | 11.073                  | (1.114)  | 57    | 179896   |                 |                   | 0.00- 30.00   | 28.14  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 100     | Bromodichloromethane    |          |       |          |                 | CAS #: 75-27-4    |               |        |  |  |
| 11.405  | 11.405                  | (1.147)  | 83    | 1628192  | 50.0000         | 60.073            | 80.00- 120.00 | 100.00 |  |  |
| 11.405  | 11.405                  | (1.147)  | 85    | 1033872  |                 |                   | 33.50- 93.50  | 63.50  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 103     | cis-1,3-Dichloropropene |          |       |          |                 | CAS #: 10061-01-5 |               |        |  |  |
| 12.317  | 12.317                  | (1.239)  | 75    | 1328556  | 50.0000         | 56.781            | 80.00- 120.00 | 100.00 |  |  |
| 12.317  | 12.317                  | (1.239)  | 77    | 429194   |                 |                   | 2.31- 62.31   | 32.31  |  |  |
| 12.317  | 12.317                  | (1.239)  | 39    | 1020293  |                 |                   | 46.80- 106.80 | 76.80  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |
| 106     | 4-Methyl-2-pentanone    |          |       |          |                 | CAS #: 108-10-1   |               |        |  |  |
| 12.593  | 12.593                  | (1.267)  | 58    | 1028204  | 50.0000         | 54.733            | 80.00- 120.00 | 100.00 |  |  |
| 12.593  | 12.593                  | (1.267)  | 43    | 3108081  |                 |                   | 0.00- 30.00   | 302.28 |  |  |
| 12.621  | 12.621                  | (1.270)  | 85    | 373130   |                 |                   | 0.00- 30.00   | 36.29  |  |  |
| -----   |                         |          |       |          |                 |                   |               |        |  |  |

| AMOUNTS                       |        |          |       |          |                 |                   |                |        |  |
|-------------------------------|--------|----------|-------|----------|-----------------|-------------------|----------------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV)    | TARGET RANGE   | RATIO  |  |
| ==                            | =====  | =====    | ===== | =====    | =====           | =====             | =====          | =====  |  |
| 108 Toluene                   |        |          |       |          |                 | CAS #: 108-88-3   |                |        |  |
| 12.815                        | 12.815 | (1.289)  | 91    | 3146950  | 50.0000         | 54.813            | 80.00- 120.00  | 100.00 |  |
| 12.815                        | 12.815 | (1.289)  | 92    | 1868861  |                 |                   | 29.39- 89.39   | 59.39  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                 | CAS #: 10061-02-6 |                |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 1358930  | 50.0000         | 58.579            | 80.00- 120.00  | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 430337   |                 |                   | 1.67- 61.67    | 31.67  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 1011527  |                 |                   | 44.44- 104.44  | 74.44  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                 | CAS #: 79-00-5    |                |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 1084478  | 50.0000         | 51.461            | 80.00- 120.00  | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 678341   |                 |                   | 32.55- 92.55   | 62.55  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 906210   |                 |                   | 53.56- 113.56  | 83.56  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                 | CAS #: 127-18-4   |                |        |  |
| 13.699                        | 13.699 | (0.913)  | 166   | 1323865  | 50.0000         | 54.580            | 80.00- 120.00  | 100.00 |  |
| 13.699                        | 13.699 | (0.913)  | 129   | 1018330  |                 |                   | 46.92- 106.92  | 76.92  |  |
| 13.699                        | 13.699 | (0.913)  | 131   | 967800   |                 |                   | 43.10- 103.10  | 73.10  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 119 2-Hexanone                |        |          |       |          |                 | CAS #: 591-78-6   |                |        |  |
| 14.031                        | 14.031 | (0.935)  | 58    | 1426352  | 50.0000         | 49.517            | 80.00- 120.00  | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 3087604  |                 |                   | 186.47- 246.47 | 216.47 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 251150   |                 |                   | 0.00- 30.00    | 17.61  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                 | CAS #: 124-48-1   |                |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 1595367  | 50.0000         | 58.654            | 80.00- 120.00  | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 1224874  |                 |                   | 0.00- 30.00    | 76.78  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                 | CAS #: 106-93-4   |                |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 1709572  | 50.0000         | 55.226            | 80.00- 120.00  | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 1626067  |                 |                   | 65.12- 125.12  | 95.12  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 126 Chlorobenzene             |        |          |       |          |                 | CAS #: 108-90-7   |                |        |  |
| 15.054                        | 15.054 | (1.004)  | 112   | 2463286  | 50.0000         | 51.668            | 80.00- 120.00  | 100.00 |  |
| 15.054                        | 15.054 | (1.004)  | 114   | 786767   |                 |                   | 1.94- 61.94    | 31.94  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 1471363  |                 |                   | 29.73- 89.73   | 59.73  |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                 | CAS #: 100-41-4   |                |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 1432553  | 50.0000         | 53.937            | 80.00- 120.00  | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 4330824  |                 |                   | 0.00- 30.00    | 302.32 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 130 m,p-Xylene                |        |          |       |          |                 | CAS #: 108-38-3   |                |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 1748712  | 50.0000         | 51.936            | 80.00- 120.00  | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 3398335  |                 |                   | 0.00- 30.00    | 194.33 |  |
| -----                         |        |          |       |          |                 |                   |                |        |  |
| 132 o-Xylene                  |        |          |       |          |                 | CAS #: 95-47-6    |                |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 1631404  | 50.0000         | 52.225            | 80.00- 120.00  | 100.00 |  |

| AMOUNTS                                      |        |          |       |          |                |               |                |        |  |
|--|--------|----------|-------|----------|----------------|---------------|----------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT (PPEV) | ON-COL (PPBV) | TARGET RANGE   | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====          | =====         | =====          | =====  |  |
| 132 o-Xylene (continued)                     |        |          |       |          |                |               |                |        |  |
| 15.856                                       | 15.856 | (1.057)  | 91    | 3322719  |                |               | 173.67- 233.67 | 203.67 |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 133 Styrene CAS #: 100-42-5                  |        |          |       |          |                |               |                |        |  |
| 15.911                                       | 15.911 | (1.061)  | 104   | 2707531  | 50.0000        | 49.352        | 80.00- 120.00  | 100.00 |  |
| 15.911                                       | 15.911 | (1.061)  | 78    | 1239399  |                |               | 15.78- 75.78   | 45.78  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 134 Bromoform CAS #: 75-25-2                 |        |          |       |          |                |               |                |        |  |
| 16.160                                       | 16.160 | (1.077)  | 173   | 1516616  | 50.0000        | 59.270        | 80.00- 120.00  | 100.00 |  |
| 16.160                                       | 16.160 | (1.077)  | 171   | 790083   |                |               | 22.10- 82.10   | 52.10  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 141 1,1,2,2-Tetrachloroethane CAS #: 79-34-5 |        |          |       |          |                |               |                |        |  |
| 16.796                                       | 16.796 | (1.120)  | 83    | 2360000  | 50.0000        | 52.565        | 80.00- 120.00  | 100.00 |  |
| 16.796                                       | 16.796 | (1.120)  | 85    | 1528317  |                |               | 34.76- 94.76   | 64.76  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 144 4-Ethyltoluene CAS #: 622-96-8           |        |          |       |          |                |               |                |        |  |
| 16.962                                       | 16.962 | (1.131)  | 105   | 4953479  | 50.0000        | 53.234        | 80.00- 120.00  | 100.00 |  |
| 16.962                                       | 16.962 | (1.131)  | 120   | 1472314  |                |               | 0.00- 59.72    | 29.72  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 147 1,3,5-Trimethylbenzene CAS #: 108-67-8   |        |          |       |          |                |               |                |        |  |
| 17.045                                       | 17.045 | (1.136)  | 105   | 4349675  | 50.0000        | 51.969        | 80.00- 120.00  | 100.00 |  |
| 17.045                                       | 17.045 | (1.136)  | 120   | 2151257  |                |               | 0.00- 30.00    | 49.46  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 152 1,2,4-Trimethylbenzene CAS #: 95-63-6    |        |          |       |          |                |               |                |        |  |
| 17.460                                       | 17.460 | (1.164)  | 105   | 3685324  | 50.0000        | 50.463        | 80.00- 120.00  | 100.00 |  |
| 17.460                                       | 17.460 | (1.164)  | 120   | 1770192  |                |               | 18.03- 78.03   | 48.03  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 155 1,3-Dichlorobenzene CAS #: 541-73-1      |        |          |       |          |                |               |                |        |  |
| 17.764                                       | 17.764 | (1.184)  | 146   | 2348863  | 50.0000        | 49.587        | 80.00- 120.00  | 100.00 |  |
| 17.764                                       | 17.764 | (1.184)  | 148   | 1514922  |                |               | 0.00- 30.00    | 64.50  |  |
| 17.764                                       | 17.764 | (1.184)  | 111   | 895201   |                |               | 0.00- 30.00    | 38.11  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 156 1,4-Dichlorobenzene CAS #: 106-46-7      |        |          |       |          |                |               |                |        |  |
| 17.847                                       | 17.847 | (1.190)  | 146   | 2878285  | 50.0000        | 50.813        | 80.00- 120.00  | 100.00 |  |
| 17.847                                       | 17.847 | (1.190)  | 148   | 1807560  |                |               | 0.00- 30.00    | 62.80  |  |
| 17.847                                       | 17.847 | (1.190)  | 111   | 1170066  |                |               | 0.00- 30.00    | 40.65  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 157 alpha-Chlorotoluene CAS #: 100-44-7      |        |          |       |          |                |               |                |        |  |
| 17.985                                       | 17.985 | (1.199)  | 91    | 4181935  | 50.0000        | 56.998        | 80.00- 120.00  | 100.00 |  |
| 17.985                                       | 17.985 | (1.199)  | 126   | 867632   |                |               | 0.00- 30.00    | 20.75  |  |
| -----  |        |          |       |          |                |               |                |        |  |
| 159 1,2-Dichlorobenzene CAS #: 95-50-1       |        |          |       |          |                |               |                |        |  |
| 18.206                                       | 18.206 | (1.214)  | 146   | 2303852  | 50.0000        | 47.961        | 80.00- 120.00  | 100.00 |  |
| 18.206                                       | 18.206 | (1.214)  | 148   | 1495593  |                |               | 34.92- 94.92   | 64.92  |  |
| 18.206                                       | 18.206 | (1.214)  | 111   | 893729   |                |               | 8.79- 68.79    | 38.79  |  |
| -----  |        |          |       |          |                |               |                |        |  |

| AMOUNTS                                    |        |          |       |          |                 |                |               |        |  |
|--|--------|----------|-------|----------|-----------------|----------------|---------------|--------|--|
| RT   | EXP RT | (REL RT) | MASS  | RESPONSE | CAL-AMT ( PPEV) | ON-COL ( PPBV) | TARGET RANGE  | RATIO  |  |
| ==   | =====  | =====    | ===== | =====    | =====           | =====          | =====         | =====  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 163 1,2,4-Trichlorobenzene CAS #: 120-82-1 |        |          |       |          |                 |                |               |        |  |
| 19.506                                     | 19.506 | (1.300)  | 180   | 1354848  | 50.0000         | 42.705         | 80.00- 120.00 | 100.00 |  |
| 19.506                                     | 19.506 | (1.300)  | 182   | 1278715  |                 |                | 64.38- 124.38 | 94.38  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 164 Hexachlorobutadiene CAS #: 87-68-3     |        |          |       |          |                 |                |               |        |  |
| 19.589                                     | 19.589 | (1.306)  | 225   | 947187   | 50.0000         | 42.302         | 80.00- 120.00 | 100.00 |  |
| 19.589                                     | 19.589 | (1.306)  | 223   | 601379   |                 |                | 33.49- 93.49  | 63.49  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 142 Propylbenzene CAS #: 103-65-1          |        |          |       |          |                 |                |               |        |  |
| 16.824                                     | 16.824 | (1.122)  | 91    | 5577043  | 50.0000         | 54.657         | 80.00- 120.00 | 100.00 |  |
| 16.852                                     | 16.852 | (1.123)  | 120   | 1299554  |                 |                | 0.00- 30.00   | 23.30  |  |
| 16.824                                     | 16.824 | (1.122)  | 105   | 208474   |                 |                | 0.00- 30.00   | 3.74   |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 136 Cumene CAS #: 98-82-8                  |        |          |       |          |                 |                |               |        |  |
| 16.326                                     | 16.326 | (1.088)  | 105   | 4807503  | 50.0000         | 51.700         | 80.00- 120.00 | 100.00 |  |
| 16.326                                     | 16.326 | (1.088)  | 120   | 1321229  |                 |                | 0.00- 30.00   | 27.48  |  |
| 16.326                                     | 16.326 | (1.088)  | 51    | 591660   |                 |                | 0.00- 30.00   | 12.31  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 165 Naphthalene CAS #: 91-20-3             |        |          |       |          |                 |                |               |        |  |
| 19.672                                     | 19.672 | (1.312)  | 128   | 4294698  | 50.0000         | 43.118         | 80.00- 120.00 | 100.00 |  |
| 19.672                                     | 19.672 | (1.312)  | 127   | 531682   |                 |                | 0.00- 30.00   | 12.38  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 37 tert-Butyl-Alcohol CAS #: 75-65-0       |        |          |       |          |                 |                |               |        |  |
| 5.598                                      | 5.598  | (0.692)  | 59    | 879668   | 50.0000         | 44.293         | 80.00- 120.00 | 100.00 |  |
| 5.598                                      | 5.598  | (0.692)  | 41    | 248914   |                 |                | 0.00- 30.00   | 28.30  |  |
| 5.598                                      | 5.598  | (0.692)  | 57    | 101728   |                 |                | 0.00- 30.00   | 11.56  |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 11 Butane CAS #: 106-97-8                  |        |          |       |          |                 |                |               |        |  |
| 2.695                                      | 2.695  | (0.333)  | 58    | 178573   | 50.0000         | 42.792         | 80.00- 120.00 | 100.00 |  |
| 2.695                                      | 2.695  | (0.333)  | 43    | 1552802  |                 |                | 0.00- 30.00   | 869.56 |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 17 Isopentane CAS #: 78-78-4               |        |          |       |          |                 |                |               |        |  |
| 3.442                                      | 3.442  | (0.426)  | 43    | 1196061  | 50.0000         | 46.738         | 80.00- 120.00 | 100.00 |  |
| 3.442                                      | 3.442  | (0.426)  | 57    | 678114   |                 |                | 0.00- 30.00   | 56.70  |  |
| 3.442                                      | 3.442  | (0.426)  | 72    | 59439    |                 |                | 0.00- 30.00   | 4.97   |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |
| 94 Methyl Cyclohexane CAS #: 108-87-2      |        |          |       |          |                 |                |               |        |  |
| 10.575                                     | 10.575 | (1.064)  | 83    | 1557410  | 50.0000         | 50.975         | 80.00- 120.00 | 100.00 |  |
| 10.575                                     | 10.575 | (1.064)  | 98    | 760041   |                 |                | 0.00- 30.00   | 48.80  |  |
| 10.575                                     | 10.575 | (1.064)  | 55    | 1642178  |                 |                | 0.00- 30.00   | 105.44 |  |
| -----                                      |        |          |       |          |                 |                |               |        |  |

Report Date: 15-Apr-2008 14:26

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 12-APR-2008

Lab File ID: 5041202.d

Calibration Time: 18:02

Lab Smp Id: CCV-1

Client Smp ID: CCV-1

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /chem/msd5.i/5-12apr.b/t14q409a.m

Misc Info: 50ppbv (200ppbv)

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE  | %DIFF |
|----------------------|----------|------------|---------|---------|-------|
|                      |          | LOWER      | UPPER   |         |       |
| 71 Bromochloromethan | 170413   | 102248     | 238578  | 235719  | 38.32 |
| 92 1,4-Difluorobenze | 799616   | 479770     | 1119462 | 1116148 | 39.59 |
| 125 Chlorobenzene-d5 | 891058   | 534635     | 1247481 | 1213132 | 36.15 |

| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.06     | 7.73     | 8.39  | 8.09   | 0.34  |
| 92 1,4-Difluorobenze | 9.91     | 9.58     | 10.24 | 9.94   | 0.28  |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.

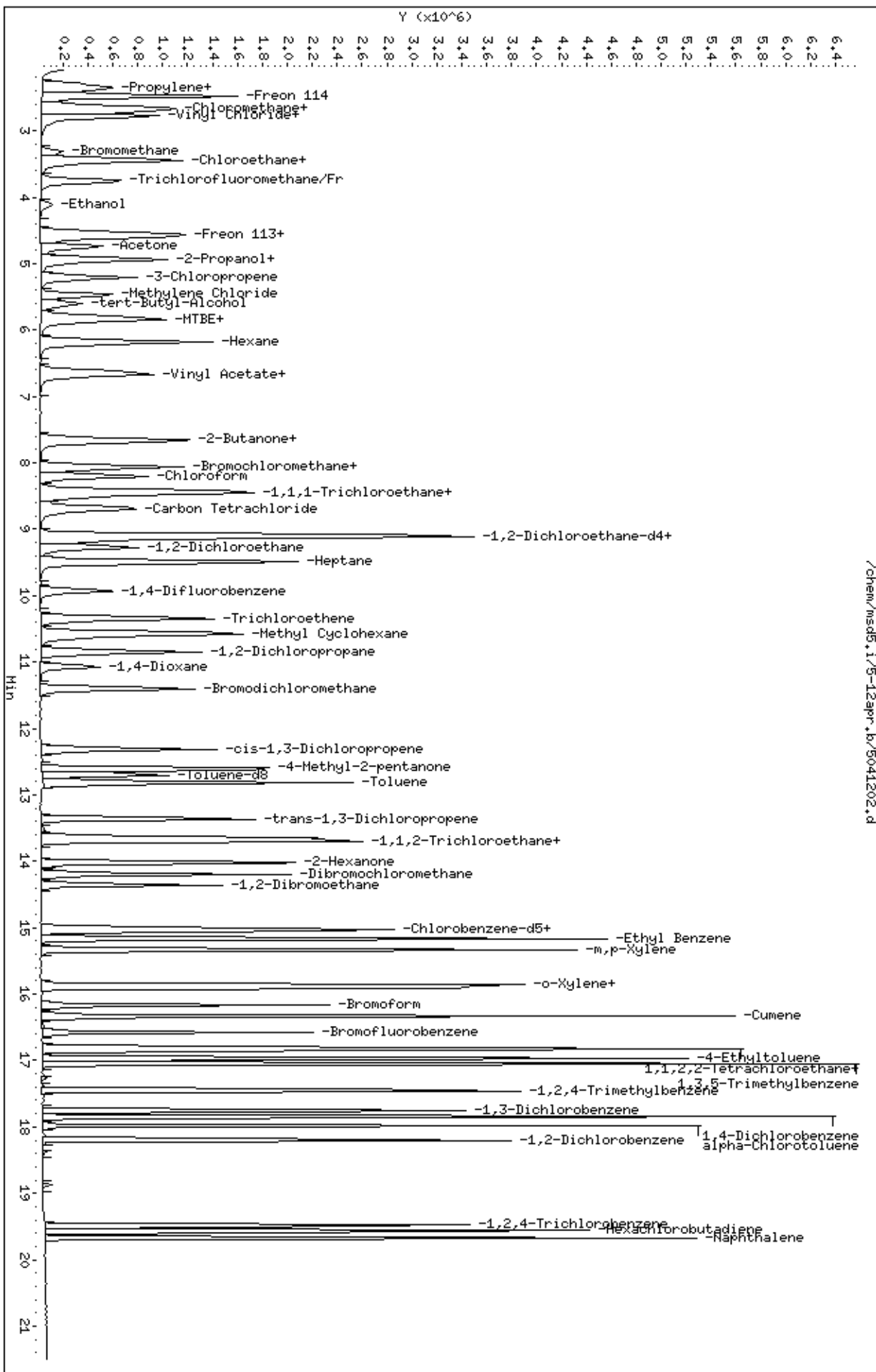
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /chem/msd5.1/5-12apr.b/5041202.d  
 Date: 12-APR-2008 16:25  
 Client ID: CCV-1  
 Sample Info: 50mL #1576-326

Column phase: RTX-624

Instrument: msd5.1  
 Operator: ct  
 Column diameter: 0.53

/chem/msd5.1/5-12apr.b/5041202.d







AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804095-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | 5041207 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 4/12/08 07:34 PM |

| Compound                  | %Recovery |
|---------------------------|-----------|
| Freon 12                  | 102       |
| Freon 114                 | 106       |
| Vinyl Chloride            | 93        |
| Bromomethane              | 105       |
| Chloroethane              | 100       |
| Freon 11                  | 104       |
| 1,1-Dichloroethene        | 110       |
| Freon 113                 | 115       |
| Methylene Chloride        | 104       |
| 1,1-Dichloroethane        | 102       |
| cis-1,2-Dichloroethene    | 102       |
| Chloroform                | 99        |
| 1,1,1-Trichloroethane     | 116       |
| Carbon Tetrachloride      | 112       |
| Benzene                   | 92        |
| 1,2-Dichloroethane        | 130       |
| Trichloroethene           | 109       |
| 1,2-Dichloropropane       | 103       |
| cis-1,3-Dichloropropene   | 115       |
| Toluene                   | 119       |
| trans-1,3-Dichloropropene | 113       |
| 1,1,2-Trichloroethane     | 101       |
| Tetrachloroethene         | 109       |
| 1,2-Dibromoethane (EDB)   | 107       |
| Chlorobenzene             | 102       |
| Ethyl Benzene             | 104       |
| m,p-Xylene                | 102       |
| o-Xylene                  | 104       |
| Styrene                   | 88        |
| 1,1,2,2-Tetrachloroethane | 105       |
| 1,3,5-Trimethylbenzene    | 102       |
| 1,2,4-Trimethylbenzene    | 94        |
| 1,3-Dichlorobenzene       | 97        |
| 1,4-Dichlorobenzene       | 102       |
| alpha-Chlorotoluene       | 105       |
| 1,2-Dichlorobenzene       | 92        |
| 1,3-Butadiene             | 86        |
| Hexane                    | 89        |
| Cyclohexane               | 94        |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0804095-05A

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

|                     |                |   |
|---------------------|----------------|---|
| <b>File Name:</b>   | <b>5041207</b> | <b>Date of Collection: NA</b>             |
| <b>Dil. Factor:</b> | <b>1.00</b>    | <b>Date of Analysis: 4/12/08 07:34 PM</b> |

| <b>Compound</b>                  | <b>%Recovery</b> |
|----------------------------------|------------------|
| Heptane                          | 101              |
| Bromodichloromethane             | 122              |
| Dibromochloromethane             | 116              |
| Cumene                           | 105              |
| Propylbenzene                    | 110              |
| Chloromethane                    | 94               |
| 1,2,4-Trichlorobenzene           | 92               |
| Hexachlorobutadiene              | 85               |
| Acetone                          | 97               |
| Carbon Disulfide                 | 97               |
| 2-Propanol                       | 88               |
| trans-1,2-Dichloroethene         | 94               |
| 2-Butanone (Methyl Ethyl Ketone) | 94               |
| Tetrahydrofuran                  | 84               |
| 1,4-Dioxane                      | 92               |
| 4-Methyl-2-pentanone             | 110              |
| 2-Hexanone                       | 88               |
| Bromoform                        | 114              |
| 4-Ethyltoluene                   | 107              |
| Ethanol                          | 75               |
| Methyl tert-butyl ether          | 96               |
| 3-Chloropropene                  | 91               |
| 2,2,4-Trimethylpentane           | 102              |
| Naphthalene                      | 95               |

**Container Type: NA - Not Applicable**

| <b>Surrogates</b>     | <b>%Recovery</b> | <b>Method Limits</b> |
|-----------------------|------------------|----------------------|
| Toluene-d8            | 110              | 70-130               |
| 1,2-Dichloroethane-d4 | 117              | 70-130               |
| 4-Bromofluorobenzene  | 97               | 70-130               |

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 5-12apr  
 Sample Matrix: GAS Fraction: VOA  
 Lab Smp Id: LCS Client Smp ID: LCS  
 Level: LOW Operator: ct  
 Data Type: MS DATA SampleType: LCS  
 SpikeList File: 2926Spectra.spk Quant Type: ISTD  
 Sublist File: AT08.sub  
 Method File: /var/chem/msd5.i/5-12apr.b/t14q409a.m  
 Misc Info: 50ppbv (100ppbv)

| SPIKE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|-----------------------|-----------------------|---------------------------|----------------|--------|
| 8 Dichlorodifluorome  | 50.000                | 51.225                    | 102.45         | 70-130 |
| 9 Freon 114           | 50.000                | 53.240                    | 106.48         | 70-130 |
| 10 Chloromethane      | 50.000                | 47.058                    | 94.12          | 70-130 |
| 13 Vinyl Chloride     | 50.000                | 46.615                    | 93.23          | 70-130 |
| 12 1,3-Butadiene      | 50.000                | 42.887                    | 85.77          | 60-140 |
| 15 Bromomethane       | 50.000                | 52.704                    | 105.41         | 70-130 |
| 19 Chloroethane       | 50.000                | 49.796                    | 99.59          | 70-130 |
| 20 Trichlorofluoromet | 50.000                | 52.152                    | 104.30         | 70-130 |
| 26 Ethanol            | 50.000                | 37.670                    | 75.34          | 60-140 |
| 30 Freon 113          | 50.000                | 57.353                    | 114.71         | 70-130 |
| 31 1,1-Dichloroethene | 50.000                | 54.838                    | 109.68         | 70-130 |
| 35 Carbon Disulfide   | 50.000                | 48.682                    | 97.36          | 60-140 |
| 32 Acetone            | 50.000                | 48.312                    | 96.62          | 60-140 |
| 36 2-Propanol         | 50.000                | 44.255                    | 88.51          | 60-140 |
| 38 3-Chloropropene    | 50.000                | 45.736                    | 91.47          | 60-140 |
| 43 Methylene Chloride | 50.000                | 51.830                    | 103.66         | 70-130 |
| 46 MTBE               | 50.000                | 48.130                    | 96.26          | 60-140 |
| 47 trans-1,2-Dichloro | 50.000                | 47.016                    | 94.03          | 60-140 |
| 51 Hexane             | 50.000                | 44.438                    | 88.88          | 60-140 |
| 55 1,1-Dichloroethane | 50.000                | 51.191                    | 102.38         | 70-130 |
| 66 cis-1,2-Dichloroet | 50.000                | 50.914                    | 101.83         | 70-130 |
| 67 2-Butanone         | 50.000                | 46.832                    | 93.66          | 60-140 |
| 70 Tetrahydrofuran    | 50.000                | 42.241                    | 84.48          | 60-140 |
| 72 Chloroform         | 50.000                | 49.393                    | 98.79          | 70-130 |
| 74 Cyclohexane        | 50.000                | 46.922                    | 93.84          | 60-140 |
| 75 1,1,1-Trichloroeth | 50.000                | 58.137                    | 116.27         | 70-130 |
| 56 Vinyl Acetate      | 50.000                | 46.839                    | 93.68          | 60-140 |
| 77 Carbon Tetrachlori | 50.000                | 55.789                    | 111.58         | 70-130 |
| 80 2,2,4-Trimethylpen | 50.000                | 51.053                    | 102.11         | 60-140 |
| 81 Benzene            | 50.000                | 46.269                    | 92.54          | 70-130 |
| 85 1,2-Dichloroethane | 50.000                | 64.969                    | 129.94         | 70-130 |
| 90 Heptane            | 50.000                | 50.422                    | 100.84         | 60-140 |
| 93 Trichloroethene    | 50.000                | 54.574                    | 109.15         | 70-130 |

| SPIKE COMPOUND         | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|------------------------|-----------------------|---------------------------|----------------|--------|
| 98 1,2-Dichloropropan  | 50.000                | 51.643                    | 103.29         | 70-130 |
| 99 1,4-Dioxane         | 50.000                | 45.960                    | 91.92          | 60-140 |
| 100 Bromodichlorometha | 50.000                | 61.017                    | 122.03         | 60-140 |
| 103 cis-1,3-Dichloropr | 50.000                | 57.680                    | 115.36         | 70-130 |
| 106 4-Methyl-2-pentano | 50.000                | 54.960                    | 109.92         | 60-140 |
| 108 Toluene            | 50.000                | 59.482                    | 118.96         | 70-130 |
| 113 trans-1,3-Dichloro | 50.000                | 56.448                    | 112.90         | 70-130 |
| 114 1,1,2-Trichloroeth | 50.000                | 50.320                    | 100.64         | 70-130 |
| 116 Tetrachloroethene  | 50.000                | 54.301                    | 108.60         | 70-130 |
| 119 2-Hexanone         | 50.000                | 44.157                    | 88.31          | 60-140 |
| 120 Dibromochlorometha | 50.000                | 58.170                    | 116.34         | 60-140 |
| 122 1,2-Dibromoethane  | 50.000                | 53.694                    | 107.39         | 70-130 |
| 126 Chlorobenzene      | 50.000                | 51.270                    | 102.54         | 70-130 |
| 128 Ethyl Benzene      | 50.000                | 52.055                    | 104.11         | 70-130 |
| 130 m,p-Xylene         | 50.000                | 51.192                    | 102.38         | 70-130 |
| 132 o-Xylene           | 50.000                | 52.018                    | 104.04         | 70-130 |
| 133 Styrene            | 50.000                | 44.080                    | 88.16          | 70-130 |
| 134 Bromoform          | 50.000                | 57.272                    | 114.54         | 60-140 |
| 136 Cumene             | 50.000                | 52.593                    | 105.19         | 60-140 |
| 141 1,1,2,2-Tetrachlor | 50.000                | 52.321                    | 104.64         | 70-130 |
| 142 Propylbenzene      | 50.000                | 54.881                    | 109.76         | 60-140 |
| 144 4-Ethyltoluene     | 50.000                | 53.710                    | 107.42         | 60-140 |
| 147 1,3,5-Trimethylben | 50.000                | 50.902                    | 101.80         | 70-130 |
| 152 1,2,4-Trimethylben | 50.000                | 46.970                    | 93.94          | 70-130 |
| 155 1,3-Dichlorobenzen | 50.000                | 48.676                    | 97.35          | 70-130 |
| 156 1,4-Dichlorobenzen | 50.000                | 51.260                    | 102.52         | 70-130 |
| 157 alpha-Chlorotoluen | 50.000                | 52.725                    | 105.45         | 70-130 |
| 159 1,2-Dichlorobenzen | 50.000                | 46.234                    | 92.47          | 70-130 |
| 163 1,2,4-Trichloroben | 50.000                | 46.044                    | 92.09          | 70-130 |
| 164 Hexachlorobutadien | 50.000                | 42.608                    | 85.22          | 70-130 |
| 6 Propylene            | 50.000                | 50.538                    | 101.08         | 70-130 |
| 165 Naphthalene        | 50.000                | 47.344                    | 94.69          | 60-140 |
| 11 Butane              | 50.000                | 41.664                    | 83.33          | 70-130 |
| 17 Isopentane          | 50.000                | 42.747                    | 85.49          | 70-130 |
| 94 Methyl Cyclohexane  | 50.000                | 53.135                    | 106.27         | 70-130 |

| SURROGATE COMPOUND        | CONC<br>ADDED<br>PPBV | CONC<br>RECOVERED<br>PPBV | %<br>RECOVERED | LIMITS |
|---------------------------|-----------------------|---------------------------|----------------|--------|
| \$ 84 1,2-Dichloroethane  | 25.000                | 29.301                    | 117.20         | 70-130 |
| \$ 107 Toluene-d8         | 25.000                | 27.613                    | 110.45         | 70-130 |
| \$ 138 Bromofluorobenzene | 25.000                | 24.197                    | 96.79          | 70-130 |

Report Date: 12-Apr-2008 19:41

## Air Toxics Ltd.

## AMBIENT AIR METHOD TO14A/TO15

Data file : /chem/msd5.i/5-12apr.b/5041207.d  
 Lab Smp Id: LCS Client Smp ID: LCS  
 Inj Date : 12-APR-2008 19:34  
 Operator : ct Inst ID: msd5.i  
 Smp Info : 100mL #1576-255A  
 Misc Info : 50ppbv (100ppbv)  
 Comment :  
 Method : /var/chem/msd5.i/5-12apr.b/t14q409a.m  
 Meth Date : 12-Apr-2008 18:10 dmendoza Quant Type: ISTD  
 Cal Date : 10-APR-2008 12:52 Cal File: 5041008.d  
 Als bottle: 1 QC Sample: LCS  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: AT08.sub  
 Target Version: 3.50 Sample Matrix: AIR  
 Processing Host: eeyore

Concentration Formula: Amt \* DF \* CpndVariable

Cpnd Variable Local Compound Variable

| CONCENTRATIONS |                       |          |       |          |         |                      |        |       |
|----------------|-----------------------|----------|-------|----------|---------|----------------------|--------|-------|
| RT             | EXP RT                | (REL RT) | MASS  | RESPONSE |         | TARGET RANGE         | RATIO  |       |
|                |                       |          |       | ( PPBV)  | ( PPBV) |                      |        |       |
| ==             | =====                 | =====    | ===== | =====    | =====   | =====                | =====  | ===== |
| -----          |                       |          |       |          |         |                      |        |       |
| * 71           | Bromochloromethane    |          |       |          |         | CAS #: 74-97-5       |        |       |
| 8.059          | 8.087                 | (1.000)  | 130   | 189562   | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 8.059          | 8.087                 | (1.000)  | 128   | 142863   |         | 47.34- 107.34        | 75.36  |       |
| 8.059          | 8.059                 | (1.000)  | 49    | 377369   |         | 173.79- 233.79       | 199.07 |       |
| -----          |                       |          |       |          |         |                      |        |       |
| * 92           | 1,4-Difluorobenzene   |          |       |          |         | CAS #: 540-36-3      |        |       |
| 9.912          | 9.939                 | (1.000)  | 114   | 850015   | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 9.912          | 9.912                 | (1.000)  | 88    | 131208   |         | 0.00- 44.99          | 15.44  |       |
| -----          |                       |          |       |          |         |                      |        |       |
| * 125          | Chlorobenzene-d5      |          |       |          |         | CAS #: 3114-55-4     |        |       |
| 14.999         | 14.999                | (1.000)  | 117   | 960733   | 25.0000 | 80.00- 120.00        | 100.00 |       |
| 14.999         | 14.999                | (1.000)  | 82    | 500450   |         | 0.00- 30.00          | 52.09  |       |
| -----          |                       |          |       |          |         |                      |        |       |
| \$ 84          | 1,2-Dichloroethane-d4 |          |       |          |         | CAS #: 17060-07-0    |        |       |
| 9.137          | 9.137                 | (1.134)  | 65    | 297040   | 29.3010 | 29.301 80.00- 120.00 | 100.00 |       |
| 9.137          | 9.137                 | (1.134)  | 67    | 166902   |         | 28.07- 88.07         | 56.19  |       |
| -----          |                       |          |       |          |         |                      |        |       |
| \$ 107         | Toluene-d8            |          |       |          |         | CAS #: 2037-26-5     |        |       |
| 12.704         | 12.704                | (1.282)  | 98    | 983305   | 27.6130 | 27.613 80.00- 120.00 | 100.00 |       |
| 12.704         | 12.704                | (1.282)  | 70    | 97350    |         | 0.00- 39.37          | 9.90   |       |

CONCENTRATIONS

ON-COL FINAL

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

\$ 107 Toluene-d8 (continued)

|        |                |     |        |  |               |       |
|--------|----------------|-----|--------|--|---------------|-------|
| 12.704 | 12.704 (1.282) | 100 | 669762 |  | 40.62- 100.62 | 68.11 |
|--------|----------------|-----|--------|--|---------------|-------|

\$ 138 Bromofluorobenzene

CAS #: 460-00-4

|        |                |     |        |         |        |                |        |
|--------|----------------|-----|--------|---------|--------|----------------|--------|
| 16.575 | 16.575 (1.105) | 174 | 558888 | 24.1972 | 24.197 | 80.00- 120.00  | 100.00 |
| 16.575 | 16.575 (1.105) | 95  | 790282 |         |        | 110.31- 170.31 | 141.40 |
| 16.575 | 16.575 (1.105) | 176 | 548274 |         |        | 64.05- 124.05  | 98.10  |

6 Propylene

CAS #: 115-07-1

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 2.253 | 2.308 (0.280) | 41 | 576417 | 50.5381 | 50.538 | 80.00- 120.00 | 100.00 |
| 2.253 | 2.308 (0.280) | 42 | 389921 |         |        | 0.00- 30.00   | 67.65  |
| 2.253 | 2.308 (0.280) | 39 | 415751 |         |        | 0.00- 30.00   | 72.13  |

8 Dichlorodifluoromethane/Fr12

CAS #: 75-71-8

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 2.336 | 2.363 (0.290) | 85 | 937167 | 51.2247 | 51.225 | 80.00- 120.00 | 100.00 |
| 2.336 | 2.363 (0.290) | 87 | 307764 |         |        | 0.00- 30.00   | 32.84  |

9 Freon 114

CAS #: 76-14-2

|       |               |     |        |         |        |               |        |
|-------|---------------|-----|--------|---------|--------|---------------|--------|
| 2.474 | 2.474 (0.307) | 135 | 878034 | 53.2398 | 53.240 | 80.00- 120.00 | 100.00 |
| 2.474 | 2.474 (0.307) | 137 | 271478 |         |        | 3.07- 63.07   | 30.92  |

10 Chloromethane

CAS #: 74-87-3

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 2.584 | 2.612 (0.321) | 50 | 716215 | 47.0579 | 47.058 | 80.00- 120.00 | 100.00 |
| 2.584 | 2.612 (0.321) | 52 | 213904 |         |        | 0.00- 30.00   | 29.87  |

13 Vinyl Chloride

CAS #: 75-01-4

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 2.778 | 2.806 (0.345) | 62 | 567775 | 46.6153 | 46.615 | 80.00- 120.00 | 100.00 |
| 2.778 | 2.806 (0.345) | 64 | 165679 |         |        | 0.00- 30.00   | 29.18  |

12 1,3-Butadiene

CAS #: 106-99-0

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 2.778 | 2.778 (0.345) | 54 | 532522 | 42.8872 | 42.887 | 80.00- 120.00 | 100.00 |
| 2.750 | 2.778 (0.341) | 39 | 653061 |         |        | 0.00- 30.00   | 122.64 |

15 Bromomethane

CAS #: 74-83-9

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 3.276 | 3.303 (0.406) | 94 | 356865 | 52.7037 | 52.704 | 80.00- 120.00 | 100.00 |
| 3.276 | 3.303 (0.406) | 96 | 351424 |         |        | 63.08- 123.08 | 98.48  |

19 Chloroethane

CAS #: 75-00-3

|       |               |    |        |         |        |               |        |
|-------|---------------|----|--------|---------|--------|---------------|--------|
| 3.414 | 3.442 (0.424) | 64 | 283091 | 49.7962 | 49.796 | 80.00- 120.00 | 100.00 |
| 3.414 | 3.442 (0.424) | 49 | 98776  |         |        | 0.00- 30.00   | 34.89  |
| 3.442 | 3.442 (0.427) | 66 | 81916  |         |        | 0.00- 30.00   | 28.94  |

20 Trichlorofluoromethane/Fr11

CAS #: 75-69-4

|       |               |     |         |         |        |               |        |
|-------|---------------|-----|---------|---------|--------|---------------|--------|
| 3.746 | 3.746 (0.465) | 101 | 1084141 | 52.1518 | 52.152 | 80.00- 120.00 | 100.00 |
| 3.746 | 3.746 (0.465) | 103 | 701700  |         |        | 34.13- 94.13  | 64.72  |

CONCENTRATIONS

ON-COL FINAL

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

26 Ethanol CAS #: 64-17-5  
 4.105 4.105 (0.509) 45 212184 37.6698 37.670 80.00- 120.00 100.00  
 4.105 4.105 (0.509) 43 44552 0.00- 30.00 21.00  
 4.105 4.105 (0.509) 46 79933 0.00- 30.00 37.67

30 Freon 113 CAS #: 76-13-1  
 4.520 4.548 (0.561) 151 781312 57.3529 57.353 80.00- 120.00 100.00  
 4.520 4.548 (0.561) 153 499867 32.24- 92.24 63.98  
 4.520 4.548 (0.561) 101 963717 89.40- 149.40 123.35

31 1,1-Dichloroethene CAS #: 75-35-4  
 4.575 4.603 (0.568) 61 942454 54.8384 54.838 80.00- 120.00 100.00  
 4.575 4.603 (0.568) 96 502226 24.08- 84.08 53.29  
 4.575 4.603 (0.568) 98 325097 3.60- 63.60 34.49

32 Acetone CAS #: 67-64-1  
 4.741 4.741 (0.588) 58 312574 48.3122 48.312 80.00- 120.00 100.00  
 4.741 4.741 (0.588) 43 1141840 0.00- 30.00 365.30

36 2-Propanol CAS #: 67-63-0  
 4.935 4.935 (0.612) 45 1233552 44.2555 44.255 80.00- 120.00 100.00  
 4.935 4.935 (0.612) 43 321525 0.00- 30.00 26.07  
 4.935 4.935 (0.612) 59 40696 0.00- 30.00 3.30

35 Carbon Disulfide CAS #: 75-15-0  
 4.935 4.935 (0.612) 76 1352313 48.6816 48.682 80.00- 120.00 100.00

38 3-Chloropropene CAS #: 107-05-1  
 5.211 5.211 (0.647) 76 237622 45.7358 45.736 80.00- 120.00 100.00  
 5.211 5.211 (0.647) 41 1001286 0.00- 30.00 421.38

43 Methylene Chloride CAS #: 75-09-2  
 5.460 5.460 (0.677) 49 825332 51.8296 51.830 80.00- 120.00 100.00  
 5.460 5.460 (0.677) 84 438569 22.03- 82.03 53.14  
 5.460 5.460 (0.677) 51 251484 0.00- 30.00 30.47

46 MTBE CAS #: 1634-04-4  
 5.792 5.792 (0.719) 73 845877 48.1300 48.130 80.00- 120.00 100.00  
 5.764 5.792 (0.715) 57 256257 0.32- 60.32 30.29  
 5.764 5.792 (0.715) 41 310184 0.00- 30.00 36.67

47 trans-1,2-Dichloroethene CAS #: 156-60-5  
 5.847 5.847 (0.726) 96 550618 47.0164 47.016 80.00- 120.00 100.00  
 5.819 5.847 (0.722) 61 893290 129.71- 189.71 162.23  
 5.847 5.847 (0.726) 98 354218 0.00- 30.00 64.33

CONCENTRATIONS

ON-COL FINAL

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

51 Hexane CAS #: 110-54-3  
 6.179 6.179 (0.767) 57 1087155 44.4382 44.438 80.00- 120.00 100.00  
 6.179 6.179 (0.767) 43 843458 0.00- 30.00 77.58  
 6.179 6.179 (0.767) 86 156301 0.00- 30.00 14.38

56 Vinyl Acetate CAS #: 108-05-4  
 6.677 6.676 (0.828) 86 145567 46.8388 46.839 80.00- 120.00 100.00  
 6.677 6.676 (0.828) 43 2113774 0.00- 30.00 1452.09  
 6.649 6.676 (0.825) 42 184804 0.00- 30.00 126.95

55 1,1-Dichloroethane CAS #: 75-34-3  
 6.621 6.621 (0.822) 63 1074597 51.1909 51.191 80.00- 120.00 100.00  
 6.621 6.621 (0.822) 65 316064 0.00- 59.64 29.41

67 2-Butanone CAS #: 78-93-3  
 7.672 7.672 (0.952) 72 260893 46.8316 46.832 80.00- 120.00 100.00  
 7.672 7.672 (0.952) 43 1670489 609.61- 669.61 640.29  
 7.672 7.672 (0.952) 57 112086 0.00- 30.00 42.96

66 cis-1,2-Dichloroethene CAS #: 156-59-2  
 7.644 7.644 (0.949) 61 854343 50.9143 50.914 80.00- 120.00 100.00  
 7.644 7.644 (0.949) 96 576019 35.62- 95.62 67.42  
 7.644 7.644 (0.949) 98 370041 13.54- 73.54 43.31

70 Tetrahydrofuran CAS #: 109-99-9  
 8.059 8.059 (1.000) 42 967401 42.2414 42.241 80.00- 120.00 100.00  
 8.059 8.059 (1.000) 71 242902 0.00- 54.73 25.11  
 8.059 8.059 (1.000) 72 259870 0.00- 30.00 26.86

72 Chloroform CAS #: 67-66-3  
 8.197 8.197 (1.017) 83 1055704 49.3935 49.393 80.00- 120.00 100.00  
 8.197 8.197 (1.017) 85 680432 33.60- 93.60 64.45

75 1,1,1-Trichloroethane CAS #: 71-55-6  
 8.446 8.446 (1.048) 97 1084227 58.1371 58.137 80.00- 120.00 100.00  
 8.446 8.446 (1.048) 99 700735 34.68- 94.68 64.63

74 Cyclohexane CAS #: 110-82-7  
 8.418 8.446 (1.045) 84 792757 46.9221 46.922 80.00- 120.00 100.00  
 8.418 8.418 (1.045) 56 1215453 126.39- 186.39 153.32  
 8.418 8.418 (1.045) 41 806388 72.19- 132.19 101.72

77 Carbon Tetrachloride CAS #: 56-23-5  
 8.667 8.695 (1.075) 119 979566 55.7892 55.789 80.00- 120.00 100.00  
 8.667 8.695 (1.075) 117 998477 73.54- 133.54 101.93



| CONCENTRATIONS |                         |          |       |          |                   |         |         |              |        |
|----------------|-------------------------|----------|-------|----------|-------------------|---------|---------|--------------|--------|
| RT             | EXP RT                  | (REL RT) | MASS  | RESPONSE |                   | ON-COL  | FINAL   | TARGET RANGE | RATIO  |
|                |                         |          |       | ( PPEV)  | ( PPEV)           | ( PPEV) | ( PPEV) |              |        |
| ==             | =====                   | =====    | ===== | =====    | =====             | =====   | =====   | =====        | =====  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 80             | 2,2,4-Trimethylpentane  |          |       |          | CAS #: 540-84-1   |         |         |              |        |
| 9.110          | 9.110                   | (1.130)  | 57    | 3898937  | 51.0531           | 51.053  | 80.00-  | 120.00       | 100.00 |
| 9.082          | 9.110                   | (1.127)  | 56    | 1256359  |                   |         | 0.00-   | 30.00        | 32.22  |
| 9.082          | 9.110                   | (1.127)  | 41    | 1193539  |                   |         | 0.00-   | 30.00        | 30.61  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 81             | Benzene                 |          |       |          | CAS #: 71-43-2    |         |         |              |        |
| 9.082          | 9.110                   | (0.916)  | 78    | 1886231  | 46.2689           | 46.269  | 80.00-  | 120.00       | 100.00 |
| 9.082          | 9.110                   | (0.916)  | 77    | 439595   |                   |         | 0.00-   | 30.00        | 23.31  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 85             | 1,2-Dichloroethane      |          |       |          | CAS #: 107-06-2   |         |         |              |        |
| 9.276          | 9.276                   | (0.936)  | 62    | 929922   | 64.9690           | 64.969  | 80.00-  | 120.00       | 100.00 |
| 9.276          | 9.276                   | (0.936)  | 64    | 273930   |                   |         | 0.00-   | 30.00        | 29.46  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 90             | Heptane                 |          |       |          | CAS #: 142-82-5   |         |         |              |        |
| 9.497          | 9.497                   | (0.958)  | 100   | 230933   | 50.4218           | 50.422  | 80.00-  | 120.00       | 100.00 |
| 9.497          | 9.497                   | (0.958)  | 43    | 1763426  |                   |         | 0.00-   | 30.00        | 763.61 |
| 9.497          | 9.497                   | (0.958)  | 71    | 670888   |                   |         | 0.00-   | 30.00        | 290.51 |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 93             | Trichloroethene         |          |       |          | CAS #: 79-01-6    |         |         |              |        |
| 10.326         | 10.354                  | (1.042)  | 95    | 814329   | 54.5745           | 54.574  | 80.00-  | 120.00       | 100.00 |
| 10.326         | 10.354                  | (1.042)  | 130   | 801468   |                   |         | 69.96-  | 129.96       | 98.42  |
| 10.326         | 10.354                  | (1.042)  | 97    | 526496   |                   |         | 34.43-  | 94.43        | 64.65  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 98             | 1,2-Dichloropropane     |          |       |          | CAS #: 78-87-5    |         |         |              |        |
| 10.852         | 10.852                  | (1.095)  | 63    | 782304   | 51.6427           | 51.643  | 80.00-  | 120.00       | 100.00 |
| 10.852         | 10.852                  | (1.095)  | 62    | 555572   |                   |         | 40.61-  | 100.61       | 71.02  |
| 10.852         | 10.852                  | (1.095)  | 41    | 614193   |                   |         | 48.34-  | 108.34       | 78.51  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 99             | 1,4-Dioxane             |          |       |          | CAS #: 123-91-1   |         |         |              |        |
| 11.073         | 11.073                  | (1.117)  | 88    | 452141   | 45.9604           | 45.960  | 80.00-  | 120.00       | 100.00 |
| 11.073         | 11.073                  | (1.117)  | 58    | 385471   |                   |         | 57.14-  | 117.14       | 85.25  |
| 11.073         | 11.073                  | (1.117)  | 57    | 121105   |                   |         | 0.00-   | 30.00        | 26.78  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 100            | Bromodichloromethane    |          |       |          | CAS #: 75-27-4    |         |         |              |        |
| 11.405         | 11.405                  | (1.151)  | 83    | 1259448  | 61.0169           | 61.017  | 80.00-  | 120.00       | 100.00 |
| 11.405         | 11.405                  | (1.151)  | 85    | 806429   |                   |         | 33.50-  | 93.50        | 64.03  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 103            | cis-1,3-Dichloropropene |          |       |          | CAS #: 10061-01-5 |         |         |              |        |
| 12.317         | 12.317                  | (1.243)  | 75    | 1027787  | 57.6800           | 57.680  | 80.00-  | 120.00       | 100.00 |
| 12.317         | 12.317                  | (1.243)  | 77    | 331743   |                   |         | 2.31-   | 62.31        | 32.28  |
| 12.317         | 12.317                  | (1.243)  | 39    | 786170   |                   |         | 46.80-  | 106.80       | 76.49  |
| -----          |                         |          |       |          |                   |         |         |              |        |
| 106            | 4-Methyl-2-pentanone    |          |       |          | CAS #: 108-10-1   |         |         |              |        |
| 12.594         | 12.593                  | (1.271)  | 58    | 786289   | 54.9599           | 54.960  | 80.00-  | 120.00       | 100.00 |
| 12.594         | 12.593                  | (1.271)  | 43    | 2309784  |                   |         | 0.00-   | 30.00        | 293.76 |
| 12.594         | 12.621                  | (1.271)  | 85    | 277094   |                   |         | 0.00-   | 30.00        | 35.24  |
| -----          |                         |          |       |          |                   |         |         |              |        |

| CONCENTRATIONS                |        |          |       |          |                |               |              |        |        |  |
|-------------------------------|--------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==                            | =====  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| 108 Toluene                   |        |          |       |          |                | CAS #:        | 108-88-3     |        |        |  |
| 12.815                        | 12.815 | (1.293)  | 91    | 2600725  | 59.4819        | 59.482        | 80.00-       | 120.00 | 100.00 |  |
| 12.815                        | 12.815 | (1.293)  | 92    | 1542294  |                |               | 29.39-       | 89.39  | 59.30  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 113 trans-1,3-Dichloropropene |        |          |       |          |                | CAS #:        | 10061-02-6   |        |        |  |
| 13.368                        | 13.368 | (0.891)  | 75    | 1037060  | 56.4485        | 56.448        | 80.00-       | 120.00 | 100.00 |  |
| 13.368                        | 13.368 | (0.891)  | 77    | 335265   |                |               | 1.67-        | 61.67  | 32.33  |  |
| 13.368                        | 13.368 | (0.891)  | 39    | 774493   |                |               | 44.44-       | 104.44 | 74.68  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 114 1,1,2-Trichloroethane     |        |          |       |          |                | CAS #:        | 79-00-5      |        |        |  |
| 13.644                        | 13.644 | (0.910)  | 97    | 839804   | 50.3201        | 50.320        | 80.00-       | 120.00 | 100.00 |  |
| 13.644                        | 13.644 | (0.910)  | 99    | 523529   |                |               | 32.55-       | 92.55  | 62.34  |  |
| 13.644                        | 13.644 | (0.910)  | 83    | 702018   |                |               | 53.56-       | 113.56 | 83.59  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 116 Tetrachloroethene         |        |          |       |          |                | CAS #:        | 127-18-4     |        |        |  |
| 13.699                        | 13.699 | (0.913)  | 166   | 1043066  | 54.3007        | 54.301        | 80.00-       | 120.00 | 100.00 |  |
| 13.699                        | 13.699 | (0.913)  | 129   | 801335   |                |               | 46.92-       | 106.92 | 76.82  |  |
| 13.699                        | 13.699 | (0.913)  | 131   | 755278   |                |               | 43.10-       | 103.10 | 72.41  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 119 2-Hexanone                |        |          |       |          |                | CAS #:        | 591-78-6     |        |        |  |
| 14.004                        | 14.031 | (0.934)  | 58    | 1007324  | 44.1575        | 44.157        | 80.00-       | 120.00 | 100.00 |  |
| 14.004                        | 14.004 | (0.934)  | 43    | 2193307  |                |               | 186.47-      | 246.47 | 217.74 |  |
| 14.031                        | 14.031 | (0.935)  | 100   | 171507   |                |               | 0.00-        | 30.00  | 17.03  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 120 Dibromochloromethane      |        |          |       |          |                | CAS #:        | 124-48-1     |        |        |  |
| 14.197                        | 14.197 | (0.947)  | 129   | 1253027  | 58.1706        | 58.170        | 80.00-       | 120.00 | 100.00 |  |
| 14.197                        | 14.197 | (0.947)  | 127   | 956473   |                |               | 0.00-        | 30.00  | 76.33  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 122 1,2-Dibromoethane         |        |          |       |          |                | CAS #:        | 106-93-4     |        |        |  |
| 14.363                        | 14.363 | (0.958)  | 107   | 1316321  | 53.6937        | 53.694        | 80.00-       | 120.00 | 100.00 |  |
| 14.363                        | 14.363 | (0.958)  | 109   | 1251775  |                |               | 65.12-       | 125.12 | 95.10  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 126 Chlorobenzene             |        |          |       |          |                | CAS #:        | 108-90-7     |        |        |  |
| 15.027                        | 15.054 | (1.002)  | 112   | 1935757  | 51.2704        | 51.270        | 80.00-       | 120.00 | 100.00 |  |
| 15.054                        | 15.054 | (1.004)  | 114   | 630061   |                |               | 1.94-        | 61.94  | 32.55  |  |
| 15.027                        | 15.027 | (1.002)  | 77    | 1148985  |                |               | 29.73-       | 89.73  | 59.36  |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 128 Ethyl Benzene             |        |          |       |          |                | CAS #:        | 100-41-4     |        |        |  |
| 15.165                        | 15.165 | (1.011)  | 106   | 1094908  | 52.0547        | 52.055        | 80.00-       | 120.00 | 100.00 |  |
| 15.165                        | 15.165 | (1.011)  | 91    | 3369646  |                |               | 0.00-        | 30.00  | 307.76 |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 130 m,p-Xylene                |        |          |       |          |                | CAS #:        | 108-38-3     |        |        |  |
| 15.331                        | 15.331 | (1.022)  | 106   | 1365051  | 51.1918        | 51.192        | 80.00-       | 120.00 | 100.00 |  |
| 15.331                        | 15.331 | (1.022)  | 91    | 2643002  |                |               | 0.00-        | 30.00  | 193.62 |  |
| -----                         |        |          |       |          |                |               |              |        |        |  |
| 132 o-Xylene                  |        |          |       |          |                | CAS #:        | 95-47-6      |        |        |  |
| 15.856                        | 15.856 | (1.057)  | 106   | 1286864  | 52.0180        | 52.018        | 80.00-       | 120.00 | 100.00 |  |

| CONCENTRATIONS                |        |          |       |          |         |         |         |                 |        |
|-------------------------------|--------|----------|-------|----------|---------|---------|---------|-----------------|--------|
| RT                            | EXP RT | (REL RT) | MASS  | RESPONSE |         | ON-COL  | FINAL   | TARGET RANGE    | RATIO  |
|                               |        |          |       | ( PPEV)  | ( PPEV) | ( PPEV) | ( PPEV) |                 |        |
| ==                            | =====  | =====    | ===== | =====    | =====   | =====   | =====   | =====           | =====  |
| 132 o-Xylene (continued)      |        |          |       |          |         |         |         |                 |        |
| 15.856                        | 15.856 | (1.057)  | 91    | 2600256  |         |         |         | 173.67- 233.67  | 202.06 |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 133 Styrene                   |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 100-42-5 |        |
| 15.911                        | 15.911 | (1.061)  | 104   | 1915147  | 44.0800 | 44.080  |         | 80.00- 120.00   | 100.00 |
| 15.911                        | 15.911 | (1.061)  | 78    | 906290   |         |         |         | 15.78- 75.78    | 47.32  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 134 Bromoform                 |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 75-25-2  |        |
| 16.160                        | 16.160 | (1.077)  | 173   | 1160594  | 57.2721 | 57.272  |         | 80.00- 120.00   | 100.00 |
| 16.160                        | 16.160 | (1.077)  | 171   | 600994   |         |         |         | 22.10- 82.10    | 51.78  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 141 1,1,2,2-Tetrachloroethane |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 79-34-5  |        |
| 16.796                        | 16.796 | (1.120)  | 83    | 1860339  | 52.3214 | 52.321  |         | 80.00- 120.00   | 100.00 |
| 16.796                        | 16.796 | (1.120)  | 85    | 1201962  |         |         |         | 34.76- 94.76    | 64.61  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 144 4-Ethyltoluene            |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 622-96-8 |        |
| 16.962                        | 16.962 | (1.131)  | 105   | 3957921  | 53.7099 | 53.710  |         | 80.00- 120.00   | 100.00 |
| 16.962                        | 16.962 | (1.131)  | 120   | 1173972  |         |         |         | 0.00- 59.72     | 29.66  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 147 1,3,5-Trimethylbenzene    |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 108-67-8 |        |
| 17.045                        | 17.045 | (1.136)  | 105   | 3373976  | 50.9018 | 50.902  |         | 80.00- 120.00   | 100.00 |
| 17.045                        | 17.045 | (1.136)  | 120   | 1648300  |         |         |         | 0.00- 30.00     | 48.85  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 152 1,2,4-Trimethylbenzene    |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 95-63-6  |        |
| 17.460                        | 17.460 | (1.164)  | 105   | 2716544  | 46.9697 | 46.970  |         | 80.00- 120.00   | 100.00 |
| 17.460                        | 17.460 | (1.164)  | 120   | 1295584  |         |         |         | 18.03- 78.03    | 47.69  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 155 1,3-Dichlorobenzene       |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 541-73-1 |        |
| 17.764                        | 17.764 | (1.184)  | 146   | 1826000  | 48.6759 | 48.676  |         | 80.00- 120.00   | 100.00 |
| 17.764                        | 17.764 | (1.184)  | 148   | 1173446  |         |         |         | 0.00- 30.00     | 64.26  |
| 17.764                        | 17.764 | (1.184)  | 111   | 705941   |         |         |         | 0.00- 30.00     | 38.66  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 156 1,4-Dichlorobenzene       |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 106-46-7 |        |
| 17.847                        | 17.847 | (1.190)  | 146   | 2299468  | 51.2597 | 51.260  |         | 80.00- 120.00   | 100.00 |
| 17.847                        | 17.847 | (1.190)  | 148   | 1454042  |         |         |         | 0.00- 30.00     | 63.23  |
| 17.847                        | 17.847 | (1.190)  | 111   | 910830   |         |         |         | 0.00- 30.00     | 39.61  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 157 alpha-Chlorotoluene       |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 100-44-7 |        |
| 17.985                        | 17.985 | (1.199)  | 91    | 3063592  | 52.7252 | 52.725  |         | 80.00- 120.00   | 100.00 |
| 17.985                        | 17.985 | (1.199)  | 126   | 629086   |         |         |         | 0.00- 30.00     | 20.53  |
| -----                         |        |          |       |          |         |         |         |                 |        |
| 159 1,2-Dichlorobenzene       |        |          |       |          |         |         |         |                 |        |
|                               |        |          |       |          |         |         |         | CAS #: 95-50-1  |        |
| 18.206                        | 18.206 | (1.214)  | 146   | 1758800  | 46.2336 | 46.234  |         | 80.00- 120.00   | 100.00 |
| 18.206                        | 18.206 | (1.214)  | 148   | 1145594  |         |         |         | 34.92- 94.92    | 65.13  |
| 18.206                        | 18.206 | (1.214)  | 111   | 681102   |         |         |         | 8.79- 68.79     | 38.73  |
| -----                         |        |          |       |          |         |         |         |                 |        |

| CONCENTRATIONS |                        |          |       |          |                |               |              |        |        |  |
|----------------|------------------------|----------|-------|----------|----------------|---------------|--------------|--------|--------|--|
| RT             | EXP RT                 | (REL RT) | MASS  | RESPONSE | ON-COL ( PPEV) | FINAL ( PPBV) | TARGET RANGE | RATIO  |        |  |
| ==             | =====                  | =====    | ===== | =====    | =====          | =====         | =====        | =====  |        |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 163            | 1,2,4-Trichlorobenzene |          |       |          |                | CAS #:        | 120-82-1     |        |        |  |
| 19.506         | 19.506                 | (1.300)  | 180   | 1156855  | 46.0437        | 46.044        | 80.00-       | 120.00 | 100.00 |  |
| 19.506         | 19.506                 | (1.300)  | 182   | 1110717  |                |               | 64.38-       | 124.38 | 96.01  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 164            | Hexachlorobutadiene    |          |       |          |                | CAS #:        | 87-68-3      |        |        |  |
| 19.589         | 19.589                 | (1.306)  | 225   | 755540   | 42.6081        | 42.608        | 80.00-       | 120.00 | 100.00 |  |
| 19.589         | 19.589                 | (1.306)  | 223   | 481081   |                |               | 33.49-       | 93.49  | 63.67  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 142            | Propylbenzene          |          |       |          |                | CAS #:        | 103-65-1     |        |        |  |
| 16.824         | 16.824                 | (1.122)  | 91    | 4434794  | 54.8811        | 54.881        | 80.00-       | 120.00 | 100.00 |  |
| 16.824         | 16.852                 | (1.122)  | 120   | 1021905  |                |               | 0.00-        | 30.00  | 23.04  |  |
| 16.824         | 16.824                 | (1.122)  | 105   | 165637   |                |               | 0.00-        | 30.00  | 3.73   |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 136            | Cumene                 |          |       |          |                | CAS #:        | 98-82-8      |        |        |  |
| 16.326         | 16.326                 | (1.088)  | 105   | 3873059  | 52.5932        | 52.593        | 80.00-       | 120.00 | 100.00 |  |
| 16.326         | 16.326                 | (1.088)  | 120   | 1051799  |                |               | 0.00-        | 30.00  | 27.16  |  |
| 16.326         | 16.326                 | (1.088)  | 51    | 486677   |                |               | 0.00-        | 30.00  | 12.57  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 165            | Naphthalene            |          |       |          |                | CAS #:        | 91-20-3      |        |        |  |
| 19.672         | 19.672                 | (1.312)  | 128   | 3734510  | 47.3442        | 47.344        | 80.00-       | 120.00 | 100.00 |  |
| 19.672         | 19.672                 | (1.312)  | 127   | 467506   |                |               | 0.00-        | 30.00  | 12.52  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 37             | tert-Butyl-Alcohol     |          |       |          |                | CAS #:        | 75-65-0      |        |        |  |
| 5.598          | 5.598                  | (0.695)  | 59    | 509364   | 31.8925        | 31.892        | 80.00-       | 120.00 | 100.00 |  |
| 5.571          | 5.598                  | (0.691)  | 41    | 146427   |                |               | 0.00-        | 30.00  | 28.75  |  |
| 5.598          | 5.598                  | (0.695)  | 57    | 53930    |                |               | 0.00-        | 30.00  | 10.59  |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 11             | Butane                 |          |       |          |                | CAS #:        | 106-97-8     |        |        |  |
| 2.695          | 2.695                  | (0.334)  | 58    | 139822   | 41.6640        | 41.664        | 80.00-       | 120.00 | 100.00 |  |
| 2.695          | 2.695                  | (0.334)  | 43    | 1223981  |                |               | 0.00-        | 30.00  | 875.38 |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 17             | Isopentane             |          |       |          |                | CAS #:        | 78-78-4      |        |        |  |
| 3.414          | 3.442                  | (0.424)  | 43    | 879707   | 42.7467        | 42.747        | 80.00-       | 120.00 | 100.00 |  |
| 3.414          | 3.442                  | (0.424)  | 57    | 515441   |                |               | 0.00-        | 30.00  | 58.59  |  |
| 3.442          | 3.442                  | (0.427)  | 72    | 45239    |                |               | 0.00-        | 30.00  | 5.14   |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |
| 94             | Methyl Cyclohexane     |          |       |          |                | CAS #:        | 108-87-2     |        |        |  |
| 10.575         | 10.575                 | (1.067)  | 83    | 1236334  | 53.1352        | 53.135        | 80.00-       | 120.00 | 100.00 |  |
| 10.575         | 10.575                 | (1.067)  | 98    | 594992   |                |               | 0.00-        | 30.00  | 48.13  |  |
| 10.575         | 10.575                 | (1.067)  | 55    | 1274579  |                |               | 0.00-        | 30.00  | 103.09 |  |
| -----          |                        |          |       |          |                |               |              |        |        |  |

Report Date: 12-Apr-2008 19:41

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS  
AREA AND RT SUMMARY

Instrument ID: msd5.i

Calibration Date: 12-APR-2008

Lab File ID: 5041207.d

Calibration Time: 16:25

Lab Smp Id: LCS

Client Smp ID: LCS

Analysis Type: VOA

Level: LOW

Quant Type: ISTD

Sample Type: AIR

Operator: ct

Method File: /var/chem/msd5.i/5-12apr.b/t14q409a.m

Misc Info: 50ppbv (100ppbv)

| COMPOUND             | STANDARD | AREA LIMIT |         | SAMPLE | %DIFF  |
|----------------------|----------|------------|---------|--------|--------|
|                      |          | LOWER      | UPPER   |        |        |
| 71 Bromochloromethan | 235719   | 141431     | 330007  | 189562 | -19.58 |
| 92 1,4-Difluorobenze | 1116148  | 669689     | 1562607 | 850015 | -23.84 |
| 125 Chlorobenzene-d5 | 1213132  | 727879     | 1698385 | 960733 | -20.81 |

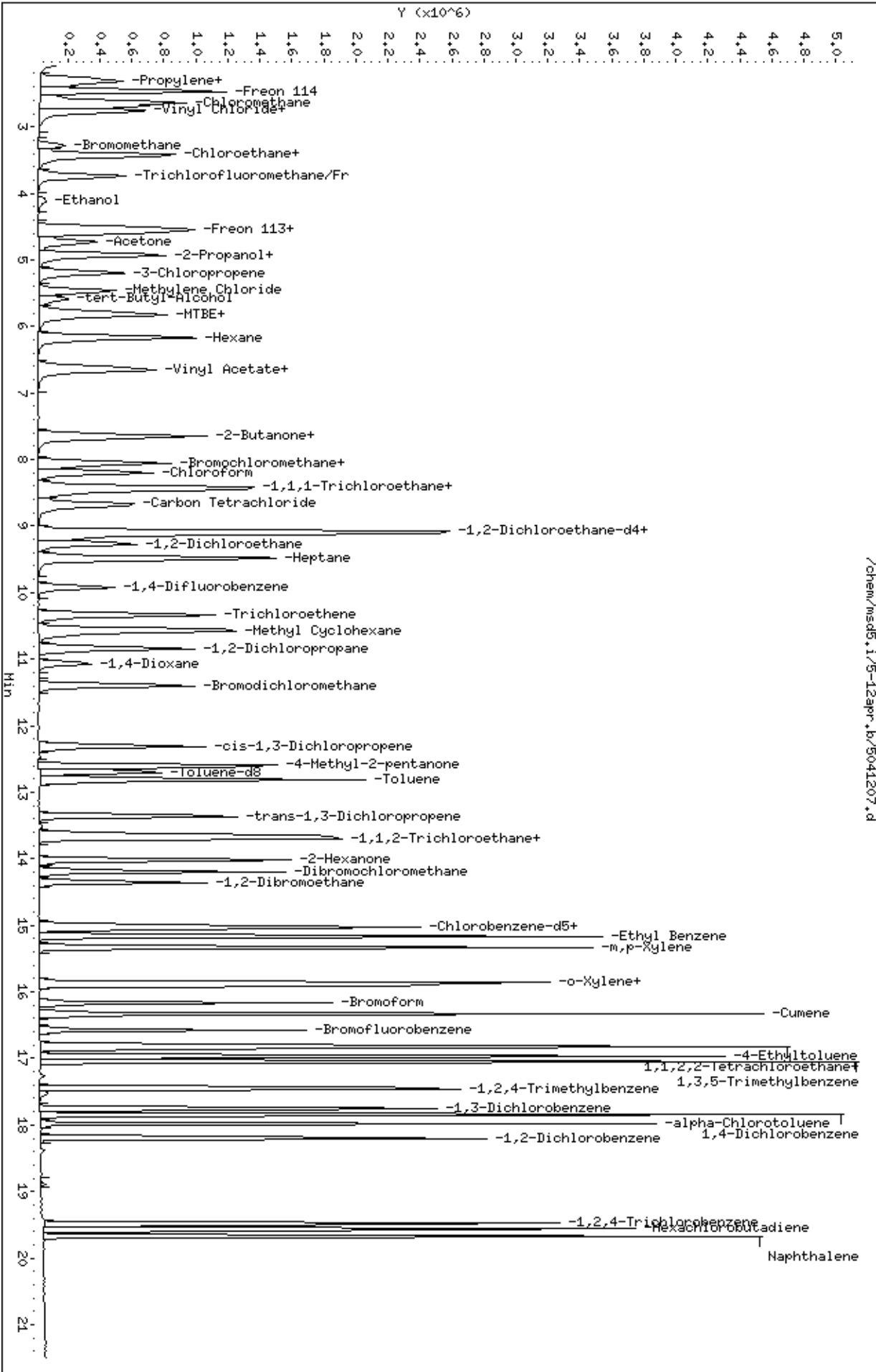
| COMPOUND             | STANDARD | RT LIMIT |       | SAMPLE | %DIFF |
|----------------------|----------|----------|-------|--------|-------|
|                      |          | LOWER    | UPPER |        |       |
| 71 Bromochloromethan | 8.09     | 7.76     | 8.42  | 8.06   | -0.34 |
| 92 1,4-Difluorobenze | 9.94     | 9.61     | 10.27 | 9.91   | -0.28 |
| 125 Chlorobenzene-d5 | 15.00    | 14.67    | 15.33 | 15.00  | 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.



| m/z | ION ABUNDANCE CRITERIA                              | % REL. ABUNDANCE     |
|-----|---|----------------------|
| 50  | 15.0 - 40.0% of mass 95                             | 24.21                |
| 75  | 30.0 - 60.0% of mass 95                             | 41.04                |
| 95  | Base peak, 100.00% relative abundance               | 100.00               |
| 96  | 5.0 - 9.0% of mass 95                               | 6.63                 |
| 173 | Less than 2.0% of mass 174                          | (0.63) <sup>1</sup>  |
| 174 | Greater than 50.0% of mass 95                       | 71.31                |
| 175 | 5.0 - 9.0% of mass 174                              | (6.90) <sup>1</sup>  |
| 176 | Greater than 95.0% but less than 101.0% of mass 174 | (96.19) <sup>1</sup> |
| 177 | 5.0 - 9.0% of mass 176                              | (6.71) <sup>2</sup>  |

BFB Injection Date: 4/12/07  
 BFB Injection Time: 1550  
 BFB File ID: 5041201  
 Tekmar Purge Flow: 204/12/19  
 Vacuum:  
 IS/S Std #: 1541-103 Exp. Date: 7-4-08  
 BCM: 235749  
 1,4-DFB: 1116148  
 CB-45: 1213132  
 Verified CCV IS vs ICAL mid-point (-4096D) 547  
 Initials

Verify 176/174 m/z Ratio:  $\frac{169931}{1261390} \times 100 = 96.49\%$

NOAH Cart #: 8/7 File #: 7040720/8040715

Calculation Check:  

$$\frac{\text{ppbv of compound}}{\text{ppbv of compound}} = \frac{\text{Area}_{\text{Sample}}}{\text{Area}_{\text{RRF}}} \times \frac{\text{Conc.}_{\text{RRF}}}{\text{Conc.}_{\text{Sample}}} = \frac{(1247996)}{(116148)} \times \frac{(25.000)}{(104734)} = 24.6881$$

Reported Result: 26.670  
 File ID: 5041202  
 Compound: Toluene 8  
 Initials: gk

| Sl. # | File #  | Sample / Client Name | Can #  | Pressure | Amt Loaded | DF  | Date Analyzed | Time Analyzed | Review Init. | Comments |
|-------|---------|----------------------|--------|----------|------------|-----|---------------|---------------|--------------|----------|
| 1     |         |                      | 157376 | 70 psia  | 50cc       |     |               | 1550          |              |          |
| 2     | 5041201 | BFB time check       | 157376 | 50 psia  | 200ul      | 100 | 4/12/07       | 1550          | AM/14        |          |
| 3     | 5041202 | CCV-1 (70 psia)      | 157376 | 50 psia  | 50cc       |     |               | 1625          | AM/14        | check    |
| 4     |         | CCV-1 (260 psia)     | 157376 | 50 psia  | ↓          |     |               | 1653          | AM/14        |          |
| 5     |         | CCV SP (70 psia)     | 157376 | 50 psia  | Seal       |     |               | 1735          | AM/14        |          |
| 6     |         | CCV SP (↓ 39)        | 157376 | ↓        | ↓          |     |               | 1802          | AM/14        |          |
| 7     |         | CCV-1 (100 psia)     | 157376 | 50 psia  | Seal       |     |               | 1845          | AM/14        |          |
| 8     |         | CCV-1 (100 psia)     | 157376 | 50 psia  | 100cc      |     |               | 1934          | AM/14        |          |
| 9     |         | Lab Blank            | 33076  | Blank    | 200ul      |     |               | 2033          | AM/14        | check    |

Signature: [Handwritten Signature]

Date: 4/12/07

|    |   |          |             |       |                  |       |     |         |      |       |           |
|----|---|----------|-------------|-------|------------------|-------|-----|---------|------|-------|-----------|
| 10 | ✓ | 50912 09 | Lab Blank   | 3336  | 1100A            | 200ul | 100 | 4/12/07 | 2120 | As/As | φ out     |
| 11 | ✓ | ↓ 10     | 0804016-01A | 1145  | 500ug            | 200ul | 20  |         | 2026 | As/As |           |
| 12 |   | 11       | 02A         | 34137 | <del>500ug</del> |       |     |         |      |       |           |
| 13 | ✓ | 50912 11 | 0804016-01A | 34137 | 850ug            | 100ul | 200 | 4/12/07 | 2255 | As/As | 50X       |
| 14 | ✓ | 12       | 0804058-01A | 34984 | 300ug            | 80ul  | 372 | 4/12/08 | 2355 | As/As |           |
| 15 | ✓ |          |             | 35121 | 300ug            | 50ul  | 372 | 4/13/08 | 0023 | As/As |           |
| 16 | ✓ |          |             | ↓     | ↓                | ↓     | ↓   |         | 0051 | As/As |           |
| 17 | ✓ |          |             | 12000 | ↓                | 40ul  | 745 |         | 0119 | As/As |           |
| 18 | X |          | 0804042-01A | 34123 | 500ug            | 50ul  | 605 |         | 0147 | As/As | ERR 200ul |
| 19 | X |          | ↓           | ↓     | ↓                | ↓     | ↓   |         | 0205 | As/As | ↓         |
| 20 | X |          | 0804053-01A | 4238  | 500ug            | 15ul  | 440 |         | 0242 | As/As | ERR 200ul |
| 21 | ✓ |          | 0804041-01A | 34152 | 1100ug           | 200ul | 212 |         | 0314 | As/As | ERR 200ul |
| 22 | ✓ |          | ↓           | ↓     | ↓                | ↓     | ↓   |         | 0347 | As/As | 55-411418 |
| 23 | ✓ |          | 0804095-01A | 439   | 500ug            | ↓     | 108 |         | 0420 | As/As |           |
| 24 | ✓ |          | ↓           | 31138 | 650ug            | ↓     | 171 |         | 0452 | As/As |           |
| 25 |   |          |             |       |                  |       |     |         |      |       |           |
| 26 |   |          |             |       |                  |       |     |         |      |       |           |
| 27 |   |          |             |       |                  |       |     |         |      |       |           |
| 28 |   |          |             |       |                  |       |     |         |      |       |           |
| 29 |   |          |             |       |                  |       |     |         |      |       |           |
| 30 |   |          |             |       |                  |       |     |         |      |       |           |
| 31 |   |          |             |       |                  |       |     |         |      |       |           |
| 32 |   |          |             |       |                  |       |     |         |      |       |           |

Comments:

55 4/14/08

*[Signature]*

Signature

4/14/08

Date



Report Date: 09-Apr-2008 08:55

## Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-09apr.b/5040902.d  
 Lab Smp Id: Client Smp ID: BFB  
 Inj Date : 09-APR-2008 09:06  
 Operator : srs Inst ID: msd5.i  
 Smp Info : BFB Tune Check  
 Misc Info : 2uL #1476-191 50 ng  
 Comment :  
 Method : /var/chem/msd5.i/5-09apr.b/bfb30.m  
 Meth Date : 09-Apr-2008 08:33 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 |
|----|--------|--------|-------|----------|---------|---------|--------------|-------|
| == | =====  | =====  | ===== | =====    | =====   | =====   | =====        | ===== |

CAS #: 460-00-4

|       |       |        |     |         |  |  |                |        |
|-------|-------|--------|-----|---------|--|--|----------------|--------|
| 1 bfb |       |        |     |         |  |  |                |        |
| 3.803 | 3.900 | -0.097 | 95  | 2208994 |  |  | 100.00- 100.00 | 100.00 |
| 3.803 | 3.900 | -0.097 | 50  | 512736  |  |  | 15.00- 40.00   | 23.21  |
| 3.803 | 3.900 | -0.097 | 75  | 893522  |  |  | 30.00- 60.00   | 40.45  |
| 3.803 | 3.900 | -0.097 | 96  | 142974  |  |  | 5.00- 9.00     | 6.47   |
| 3.803 | 3.900 | -0.097 | 173 | 11181   |  |  | 0.00- 2.00     | 0.67   |
| 3.803 | 3.900 | -0.097 | 174 | 1660584 |  |  | 50.00- 100.00  | 75.17  |
| 3.803 | 3.900 | -0.097 | 175 | 119656  |  |  | 5.00- 9.00     | 7.21   |
| 3.803 | 3.900 | -0.097 | 176 | 1604587 |  |  | 95.00- 101.00  | 96.63  |
| 3.803 | 3.900 | -0.097 | 177 | 99654   |  |  | 5.00- 9.00     | 6.21   |

Date : 09-APR-2008 09:06

Client ID: BFB

Instrument: msd5.i

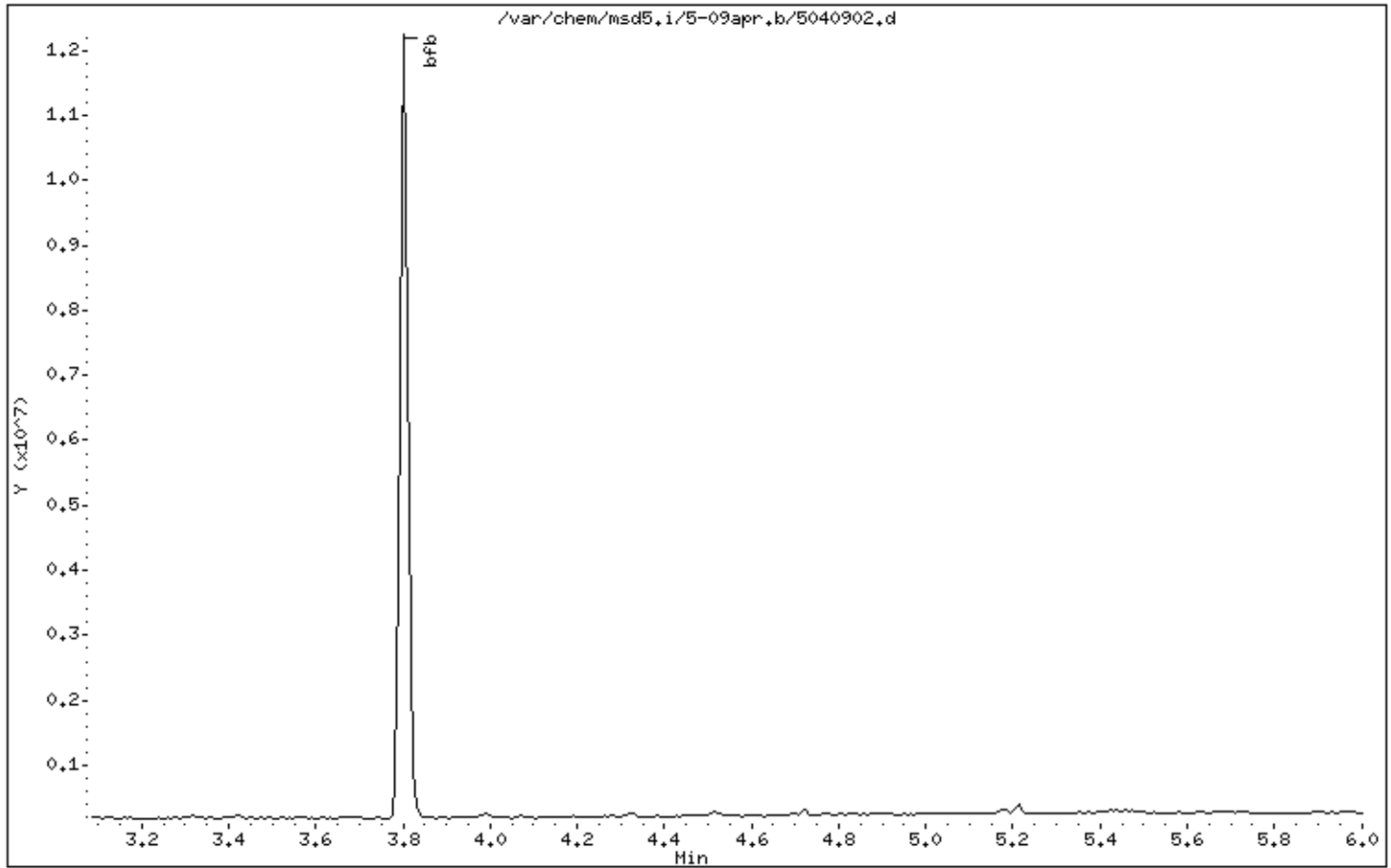
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00



Date : 09-APR-2008 09:06

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

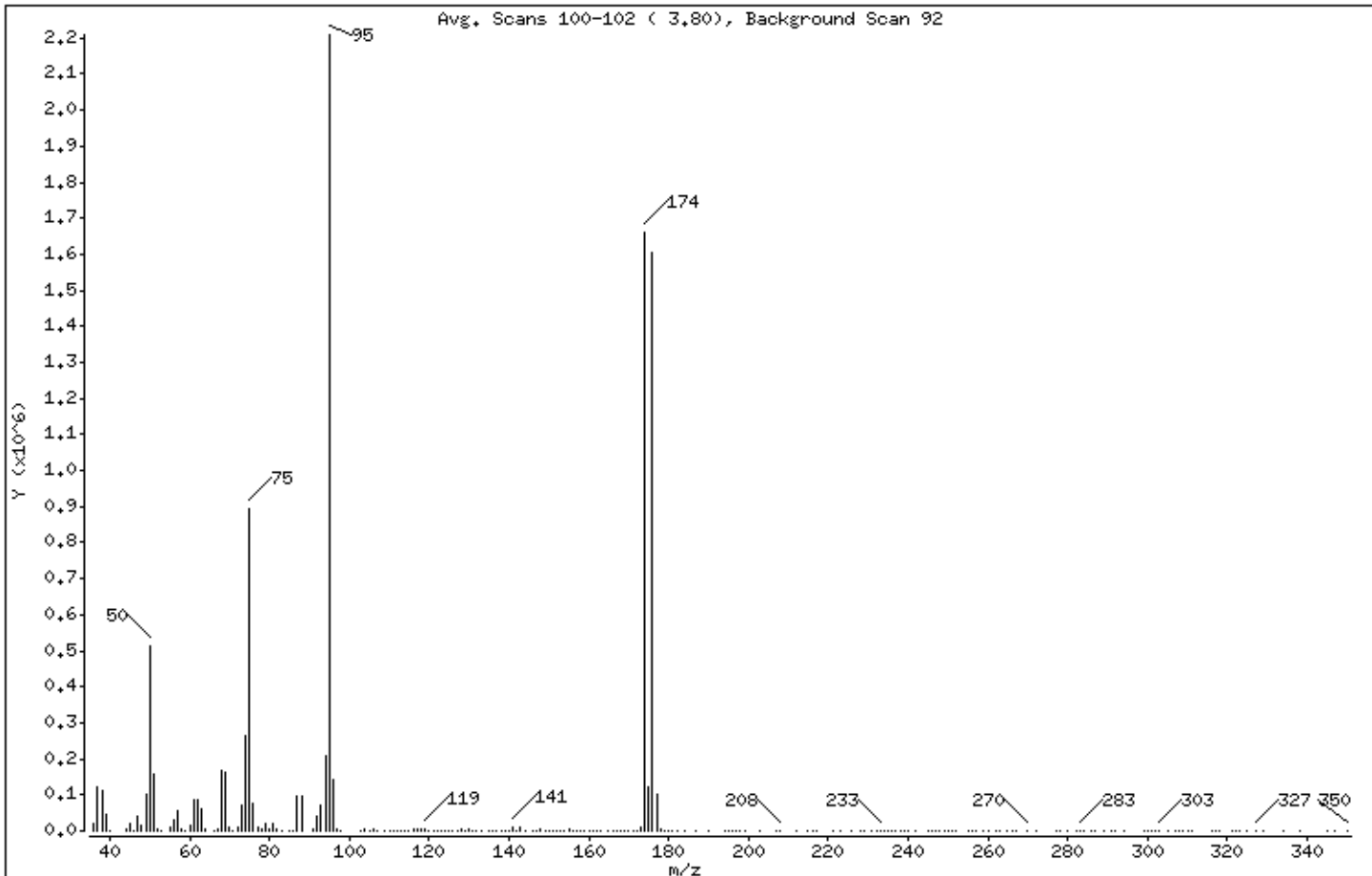
Volume Injected (uL): 1.0

Operator: srs

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          | 23.21                |
| 75  | 30.00 - 60.00% of mass 95          | 40.45                |
| 96  | 5.00 - 9.00% of mass 95            | 6.47                 |
| 173 | Less than 2.00% of mass 174        | 0.51 ( 0.67)         |
| 174 | 50.00 - 100.00% of mass 95         | 75.17                |
| 175 | 5.00 - 9.00% of mass 174           | 5.42 ( 7.21)         |
| 176 | 95.00 - 101.00% of mass 174        | 72.64 ( 96.63)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.51 ( 6.21)         |

Date : 09-APR-2008 09:06

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

Data File: 5040902.d

Spectrum: Avg. Scans 100-102 ( 3.80), Background Scan 92

Location of Maximum: 95.00

Number of points: 220

| m/z   | Y      | m/z    | Y    | m/z    | Y       | m/z    | Y   |
|-------|--------|--------|------|--------|---------|--------|-----|
| 36.00 | 20128  | 104.00 | 4537 | 163.00 | 461     | 250.00 | 281 |
| 37.00 | 121232 | 105.00 | 1936 | 165.00 | 108     | 251.00 | 149 |
| 38.00 | 110224 | 106.00 | 3882 | 166.00 | 541     | 252.00 | 114 |
| 39.00 | 43624  | 107.00 | 1503 | 167.00 | 435     | 255.00 | 399 |
| 40.00 | 1697   | 109.00 | 100  | 168.00 | 516     | 256.00 | 83  |
| 44.00 | 4258   | 110.00 | 26   | 169.00 | 543     | 257.00 | 83  |
| 45.00 | 21312  | 111.00 | 800  | 170.00 | 583     | 259.00 | 83  |
| 46.00 | 633    | 112.00 | 101  | 171.00 | 697     | 260.00 | 91  |
| 47.00 | 38672  | 113.00 | 708  | 172.00 | 1406    | 262.00 | 217 |
| 48.00 | 13072  | 114.00 | 124  | 173.00 | 11181   | 263.00 | 310 |
| 49.00 | 102008 | 115.00 | 1037 | 174.00 | 1660416 | 265.00 | 302 |
| 50.00 | 512704 | 116.00 | 3716 | 175.00 | 119656  | 266.00 | 185 |
| 51.00 | 155968 | 117.00 | 5416 | 176.00 | 1604096 | 267.00 | 115 |
| 52.00 | 6460   | 118.00 | 4297 | 177.00 | 99648   | 270.00 | 550 |
| 53.00 | 207    | 119.00 | 5465 | 178.00 | 2690    | 272.00 | 27  |
| 55.00 | 7660   | 120.00 | 99   | 179.00 | 325     | 277.00 | 75  |
| 56.00 | 29384  | 121.00 | 595  | 180.00 | 107     | 278.00 | 133 |
| 57.00 | 54512  | 122.00 | 392  | 181.00 | 212     | 280.00 | 92  |
| 58.00 | 2677   | 123.00 | 574  | 182.00 | 70      | 282.00 | 180 |
| 59.00 | 604    | 124.00 | 639  | 184.00 | 422     | 283.00 | 241 |
| 60.00 | 16640  | 125.00 | 161  | 187.00 | 255     | 284.00 | 81  |
| 61.00 | 84616  | 126.00 | 54   | 190.00 | 65      | 286.00 | 106 |
| 62.00 | 84760  | 127.00 | 457  | 194.00 | 99      | 287.00 | 189 |
| 63.00 | 58488  | 128.00 | 5023 | 195.00 | 259     | 289.00 | 216 |
| 64.00 | 4644   | 129.00 | 2449 | 196.00 | 232     | 291.00 | 89  |
| 66.00 | 587    | 130.00 | 4982 | 197.00 | 50      | 292.00 | 83  |
| 67.00 | 5245   | 131.00 | 1582 | 198.00 | 80      | 294.00 | 127 |
| 68.00 | 168832 | 132.00 | 195  | 199.00 | 66      | 299.00 | 142 |
| 69.00 | 161280 | 133.00 | 711  | 203.00 | 317     | 300.00 | 59  |
| 70.00 | 12154  | 135.00 | 1382 | 207.00 | 252     | 301.00 | 86  |
| 71.00 | 848    | 136.00 | 387  | 208.00 | 330     | 302.00 | 75  |
| 72.00 | 7738   | 137.00 | 1688 | 212.00 | 253     | 303.00 | 168 |
| 73.00 | 70192  | 138.00 | 661  | 215.00 | 67      | 305.00 | 155 |
| 74.00 | 265792 | 139.00 | 686  | 216.00 | 155     | 307.00 | 135 |
| 75.00 | 893504 | 140.00 | 684  | 217.00 | 146     | 308.00 | 55  |

Date : 09-APR-2008 09:06

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

Data File: 5040902.d

Spectrum: Avg. Scans 100-102 ( 3.80), Background Scan 92

Location of Maximum: 95.00

Number of points: 220

| m/z    | Y       | m/z    | Y    | m/z    | Y   | m/z    | Y   |
|--------|---------|--------|------|--------|-----|--------|-----|
| 76,00  | 75624   | 141,00 | 8697 | 221,00 | 132 | 309,00 | 67  |
| 77,00  | 11779   | 142,00 | 1866 | 223,00 | 329 | 310,00 | 133 |
| 78,00  | 7573    | 143,00 | 8202 | 226,00 | 275 | 311,00 | 81  |
| 79,00  | 21264   | 144,00 | 497  | 228,00 | 54  | 316,00 | 165 |
| 80,00  | 7254    | 146,00 | 2161 | 229,00 | 71  | 317,00 | 117 |
| 81,00  | 22424   | 147,00 | 902  | 231,00 | 76  | 318,00 | 50  |
| 82,00  | 4332    | 148,00 | 3276 | 232,00 | 10  | 321,00 | 72  |
| 83,00  | 121     | 149,00 | 1031 | 233,00 | 423 | 322,00 | 57  |
| 85,00  | 681     | 150,00 | 1095 | 234,00 | 213 | 323,00 | 101 |
| 86,00  | 648     | 151,00 | 753  | 235,00 | 64  | 325,00 | 98  |
| 87,00  | 95072   | 152,00 | 784  | 236,00 | 60  | 327,00 | 372 |
| 88,00  | 96648   | 153,00 | 1657 | 237,00 | 264 | 329,00 | 58  |
| 91,00  | 4320    | 154,00 | 1091 | 238,00 | 282 | 334,00 | 183 |
| 92,00  | 41816   | 155,00 | 3971 | 239,00 | 114 | 338,00 | 68  |
| 93,00  | 71608   | 156,00 | 72   | 240,00 | 132 | 345,00 | 178 |
| 94,00  | 209792  | 157,00 | 2266 | 242,00 | 118 | 347,00 | 135 |
| 95,00  | 2208768 | 158,00 | 158  | 245,00 | 282 | 350,00 | 98  |
| 96,00  | 142912  | 159,00 | 1774 | 246,00 | 63  |        |     |
| 97,00  | 4003    | 160,00 | 142  | 247,00 | 71  |        |     |
| 98,00  | 1027    | 161,00 | 999  | 248,00 | 80  |        |     |
| 103,00 | 570     | 162,00 | 443  | 249,00 | 328 |        |     |

Report Date: 10-Apr-2008 08:10

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-10apr.b/5041001.d  
 Lab Smp Id: Client Smp ID: BFB  
 Inj Date : 10-APR-2008 08:21  
 Operator : srs Inst ID: msd5.i  
 Smp Info : BFB Tune Check  
 Misc Info : 2uL #1476-191 50 ng  
 Comment :  
 Method : /var/chem/msd5.i/5-10apr.b/bfb30.m  
 Meth Date : 10-Apr-2008 08:10 Quant Type: ESTD  
 Cal Date : Cal File:  
 Als bottle: 1 QC Sample: BFB  
 Dil Factor: 1.00000  
 Integrator: HP RTE Compound Sublist: all.sub  
 Target Version: 3.50 Sample Matrix: WATER  
 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 |        |
| 3.796 | 3.900  | -0.104 | 95   | 2544867  |         |         | 100.00- 100.00  | 100.00 |
| 3.796 | 3.900  | -0.104 | 50   | 621583   |         |         | 15.00- 40.00    | 24.42  |
| 3.796 | 3.900  | -0.104 | 75   | 1035519  |         |         | 30.00- 60.00    | 40.69  |
| 3.796 | 3.900  | -0.104 | 96   | 167512   |         |         | 5.00- 9.00      | 6.58   |
| 3.796 | 3.900  | -0.104 | 173  | 10212    |         |         | 0.00- 2.00      | 0.56   |
| 3.796 | 3.900  | -0.104 | 174  | 1828352  |         |         | 50.00- 100.00   | 71.84  |
| 3.796 | 3.900  | -0.104 | 175  | 130330   |         |         | 5.00- 9.00      | 7.13   |
| 3.796 | 3.900  | -0.104 | 176  | 1782355  |         |         | 95.00- 101.00   | 97.48  |
| 3.796 | 3.900  | -0.104 | 177  | 116120   |         |         | 5.00- 9.00      | 6.51   |

Date : 10-APR-2008 08:21

Client ID: BFB

Instrument: msd5.i

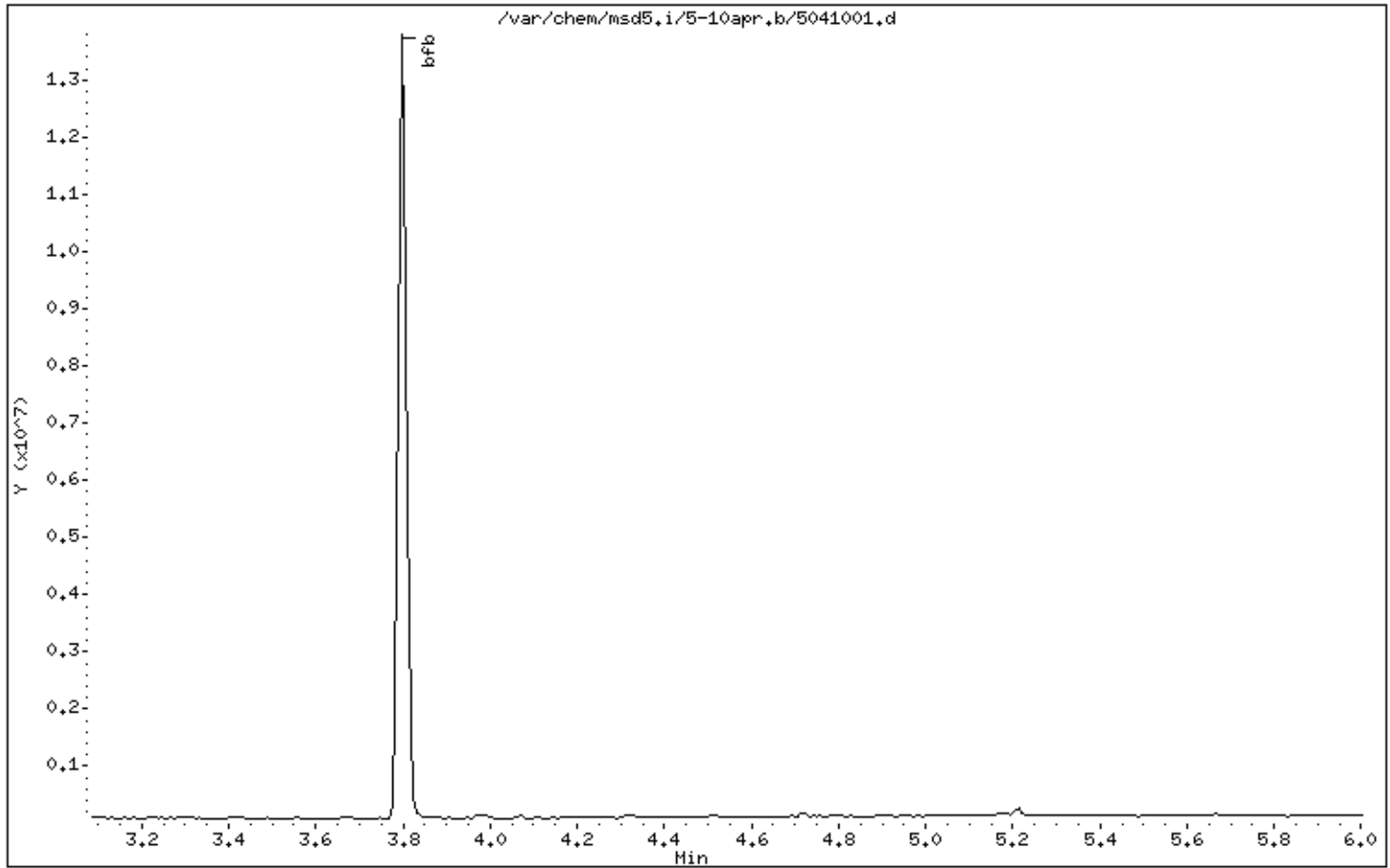
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00



Date : 10-APR-2008 08:21

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

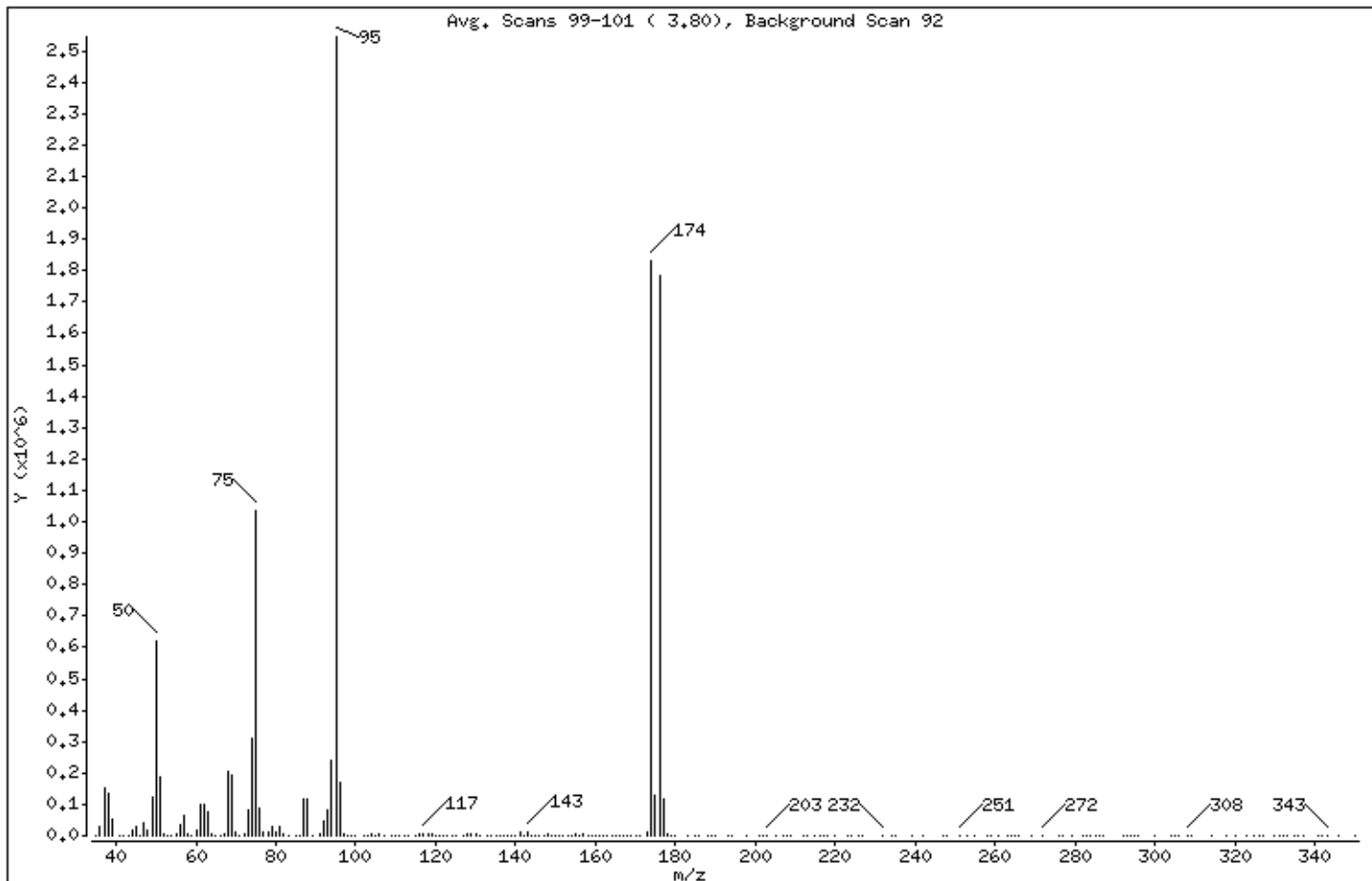
Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

1 bfb



| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 24.42                |
| 75  | 30.00 - 60.00% of mass 95          | 40.69                |
| 96  | 5.00 - 9.00% of mass 95            | 6.58                 |
| 173 | Less than 2.00% of mass 174        | 0.40 ( 0.56)         |
| 174 | 50.00 - 100.00% of mass 95         | 71.84                |
| 175 | 5.00 - 9.00% of mass 174           | 5.12 ( 7.13)         |
| 176 | 95.00 - 101.00% of mass 174        | 70.04 ( 97.48)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.56 ( 6.51)         |



Date : 10-APR-2008 08:21

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

Data File: 5041001.d

Spectrum: Avg. Scans 99-101 ( 3.80), Background Scan 92

Location of Maximum: 95.00

Number of points: 222

| m/z   | Y      | m/z    | Y       | m/z    | Y       | m/z    | Y   |
|-------|--------|--------|---------|--------|---------|--------|-----|
| 35.00 | 118    | 94.00  | 238528  | 155.00 | 4270    | 242.00 | 51  |
| 36.00 | 26376  | 95.00  | 2544640 | 156.00 | 907     | 247.00 | 153 |
| 37.00 | 149888 | 96.00  | 167488  | 157.00 | 3114    | 248.00 | 81  |
| 38.00 | 134976 | 97.00  | 5555    | 158.00 | 104     | 251.00 | 310 |
| 39.00 | 53824  | 98.00  | 559     | 159.00 | 1348    | 253.00 | 284 |
| 41.00 | 66     | 99.00  | 46      | 160.00 | 428     | 255.00 | 198 |
| 42.00 | 1174   | 100.00 | 61      | 161.00 | 1798    | 258.00 | 65  |
| 43.00 | 96     | 102.00 | 359     | 162.00 | 334     | 259.00 | 217 |
| 44.00 | 15931  | 103.00 | 917     | 163.00 | 224     | 261.00 | 53  |
| 45.00 | 27416  | 104.00 | 4058    | 164.00 | 216     | 263.00 | 57  |
| 46.00 | 1406   | 105.00 | 2546    | 165.00 | 332     | 264.00 | 54  |
| 47.00 | 43800  | 106.00 | 5042    | 166.00 | 465     | 265.00 | 62  |
| 48.00 | 17832  | 107.00 | 1703    | 167.00 | 594     | 266.00 | 176 |
| 49.00 | 120808 | 109.00 | 65      | 168.00 | 510     | 269.00 | 217 |
| 50.00 | 621568 | 110.00 | 632     | 169.00 | 586     | 272.00 | 276 |
| 51.00 | 185344 | 111.00 | 1035    | 170.00 | 1117    | 276.00 | 74  |
| 52.00 | 7513   | 112.00 | 613     | 171.00 | 1113    | 277.00 | 99  |
| 53.00 | 523    | 113.00 | 753     | 173.00 | 10212   | 279.00 | 247 |
| 54.00 | 720    | 115.00 | 969     | 174.00 | 1828352 | 282.00 | 2   |
| 55.00 | 6836   | 116.00 | 5481    | 175.00 | 130328  | 283.00 | 240 |
| 56.00 | 35888  | 117.00 | 8493    | 176.00 | 1782272 | 284.00 | 53  |
| 57.00 | 67216  | 118.00 | 5207    | 177.00 | 116120  | 285.00 | 136 |
| 58.00 | 3174   | 119.00 | 7368    | 178.00 | 4049    | 286.00 | 130 |
| 59.00 | 881    | 120.00 | 649     | 179.00 | 302     | 287.00 | 67  |
| 60.00 | 18440  | 121.00 | 108     | 180.00 | 73      | 292.00 | 78  |
| 61.00 | 100464 | 122.00 | 394     | 183.00 | 107     | 293.00 | 50  |
| 62.00 | 99216  | 123.00 | 800     | 185.00 | 197     | 294.00 | 66  |
| 63.00 | 73592  | 124.00 | 636     | 186.00 | 102     | 295.00 | 61  |
| 64.00 | 5566   | 125.00 | 79      | 188.00 | 140     | 296.00 | 173 |
| 65.00 | 946    | 127.00 | 508     | 189.00 | 227     | 300.00 | 125 |
| 66.00 | 132    | 128.00 | 5291    | 190.00 | 83      | 304.00 | 63  |
| 67.00 | 5325   | 129.00 | 3252    | 193.00 | 185     | 305.00 | 115 |
| 68.00 | 204416 | 130.00 | 5912    | 194.00 | 27      | 306.00 | 70  |
| 69.00 | 192832 | 131.00 | 2758    | 198.00 | 109     | 308.00 | 196 |
| 70.00 | 14293  | 133.00 | 1224    | 201.00 | 96      | 309.00 | 171 |

Date : 10-APR-2008 08:21

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: srs

Column phase:

Column diameter: 2.00

Data File: 5041001.d

Spectrum: Avg. Scans 99-101 ( 3.80), Background Scan 92

Location of Maximum: 95.00

Number of points: 222

| m/z   | Y       | m/z    | Y     | m/z    | Y   | m/z    | Y   |
|-------|---------|--------|-------|--------|-----|--------|-----|
| 71.00 | 695     | 134.00 | 602   | 202.00 | 96  | 314.00 | 98  |
| 72.00 | 8609    | 135.00 | 1442  | 203.00 | 202 | 318.00 | 71  |
| 73.00 | 79256   | 136.00 | 587   | 205.00 | 174 | 320.00 | 132 |
| 74.00 | 310016  | 137.00 | 2512  | 207.00 | 130 | 323.00 | 71  |
| 75.00 | 1035456 | 138.00 | 265   | 208.00 | 59  | 325.00 | 165 |
| 76.00 | 85472   | 139.00 | 390   | 209.00 | 36  | 326.00 | 130 |
| 77.00 | 11816   | 140.00 | 669   | 212.00 | 60  | 327.00 | 63  |
| 78.00 | 9586    | 141.00 | 10232 | 213.00 | 91  | 330.00 | 139 |
| 79.00 | 27376   | 142.00 | 1915  | 215.00 | 153 | 331.00 | 99  |
| 80.00 | 9805    | 143.00 | 11137 | 216.00 | 111 | 332.00 | 63  |
| 81.00 | 27408   | 144.00 | 786   | 217.00 | 192 | 333.00 | 196 |
| 82.00 | 4800    | 145.00 | 668   | 218.00 | 101 | 335.00 | 174 |
| 83.00 | 1226    | 146.00 | 2467  | 220.00 | 51  | 336.00 | 61  |
| 85.00 | 18      | 147.00 | 1230  | 223.00 | 145 | 337.00 | 95  |
| 86.00 | 2888    | 148.00 | 3558  | 224.00 | 54  | 341.00 | 61  |
| 87.00 | 114952  | 149.00 | 917   | 226.00 | 51  | 342.00 | 180 |
| 88.00 | 114336  | 150.00 | 1338  | 227.00 | 76  | 343.00 | 663 |
| 89.00 | 1548    | 151.00 | 862   | 232.00 | 188 | 346.00 | 279 |
| 91.00 | 4273    | 152.00 | 1069  | 234.00 | 95  | 350.00 | 129 |
| 92.00 | 48144   | 153.00 | 866   | 235.00 | 68  |        |     |
| 93.00 | 84112   | 154.00 | 1097  | 239.00 | 96  |        |     |

Report Date: 12-Apr-2008 15:39

Air Toxics Ltd.

Data file : /var/chem/msd5.i/5-12apr.b/5041201.d  
 Lab Smp Id: Client Smp ID: BFB  
 Inj Date : 12-APR-2008 15:50  
 Operator : dfm Inst ID: msd5.i  
 Smp Info : BFB Tune Check  
 Misc Info : 2uL #1476-279 50 ng  
 Comment :  
 Method : /var/chem/msd5.i/5-12apr.b/bfb30.m  
 Meth Date : 12-Apr-2008 15:39 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 |        |
| 3.767 | 3.900  | -0.133 | 95   | 2470633          |         | 100.00- 100.00  | 100.00 |
| 3.767 | 3.900  | -0.133 | 50   | 598107           |         | 15.00- 40.00    | 24.21  |
| 3.767 | 3.900  | -0.133 | 75   | 1013902          |         | 30.00- 60.00    | 41.04  |
| 3.767 | 3.900  | -0.133 | 96   | 163868           |         | 5.00- 9.00      | 6.63   |
| 3.767 | 3.900  | -0.133 | 173  | 11147            |         | 0.00- 2.00      | 0.63   |
| 3.767 | 3.900  | -0.133 | 174  | 1761790          |         | 50.00- 100.00   | 71.31  |
| 3.767 | 3.900  | -0.133 | 175  | 121614           |         | 5.00- 9.00      | 6.90   |
| 3.767 | 3.900  | -0.133 | 176  | 1699931          |         | 95.00- 101.00   | 96.49  |
| 3.767 | 3.900  | -0.133 | 177  | 114025           |         | 5.00- 9.00      | 6.71   |

Date : 12-APR-2008 15:50

Client ID: BFB

Instrument: msd5.i

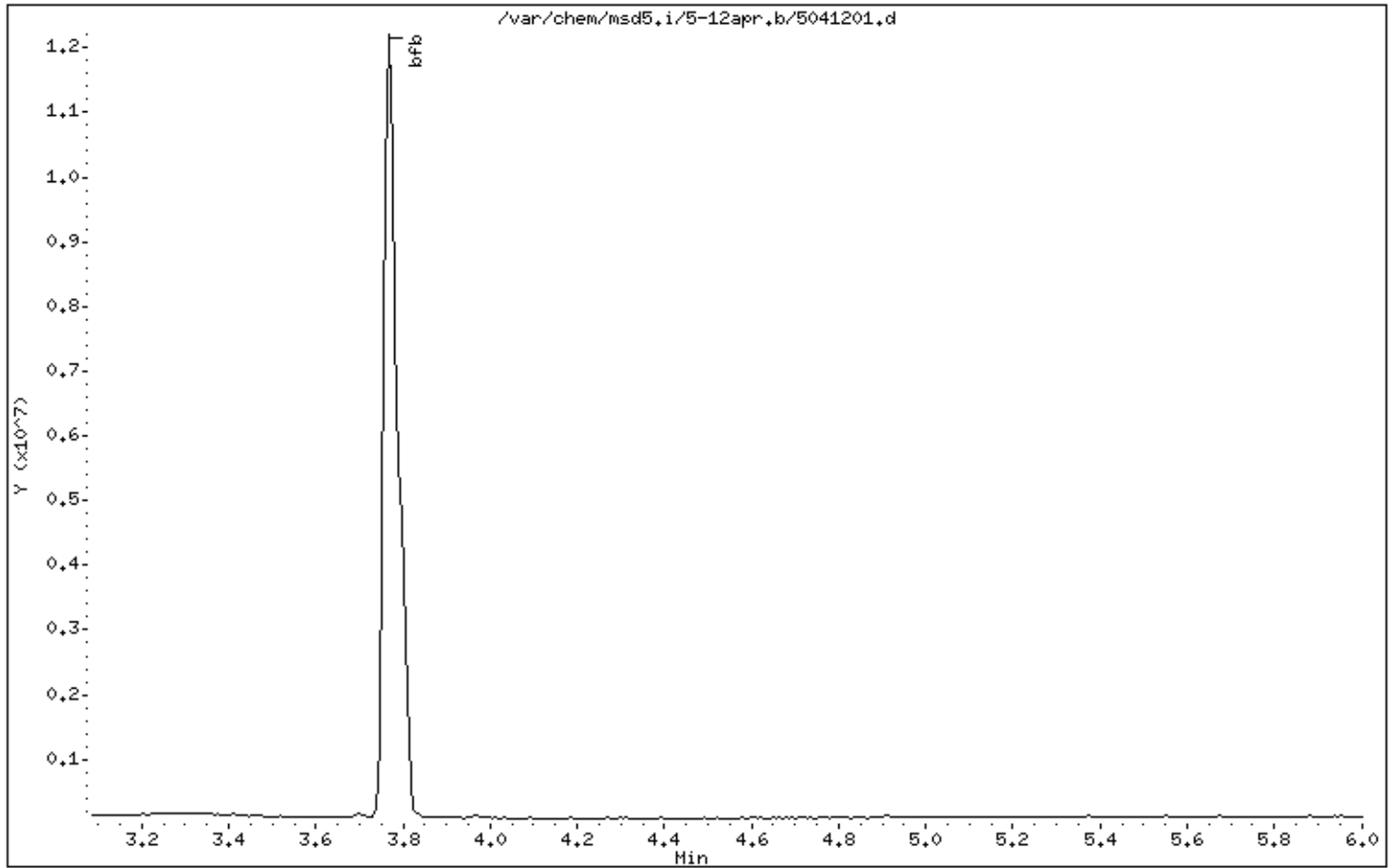
Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: dfm

Column phase:

Column diameter: 2.00



Date : 12-APR-2008 15:50

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

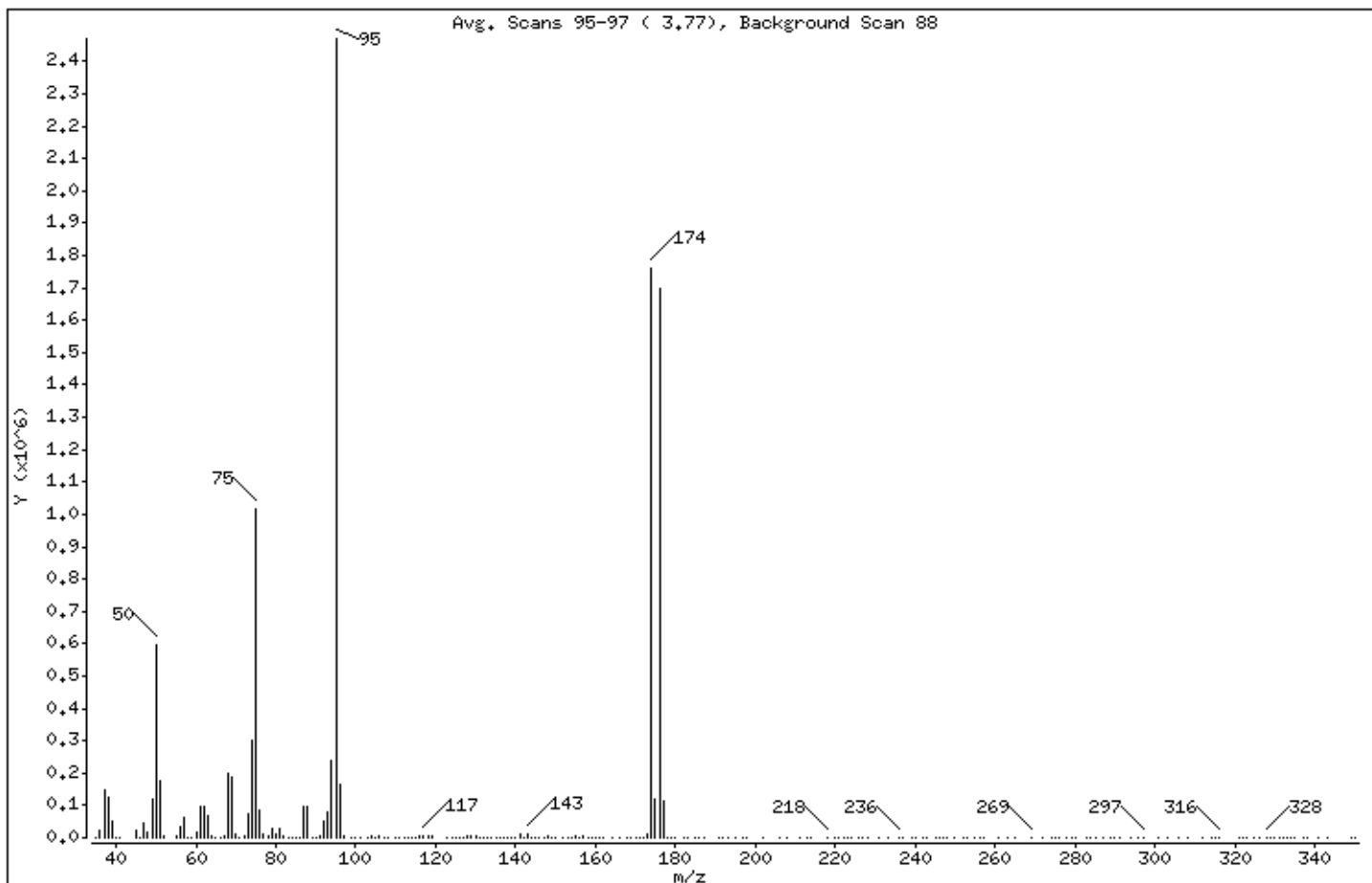
Volume Injected (uL): 1.0

Operator: dfm

Column phase:

Column diameter: 2.00

1 bfb



| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 95  | Base Peak, 100% relative abundance | 100.00               |
| 50  | 15.00 - 40.00% of mass 95          | 24.21                |
| 75  | 30.00 - 60.00% of mass 95          | 41.04                |
| 96  | 5.00 - 9.00% of mass 95            | 6.63                 |
| 173 | Less than 2.00% of mass 174        | 0.45 ( 0.63)         |
| 174 | 50.00 - 100.00% of mass 95         | 71.31                |
| 175 | 5.00 - 9.00% of mass 174           | 4.92 ( 6.90)         |
| 176 | 95.00 - 101.00% of mass 174        | 68.81 ( 96.49)       |
| 177 | 5.00 - 9.00% of mass 176           | 4.62 ( 6.71)         |

Date : 12-APR-2008 15:50

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: dfm

Column phase:

Column diameter: 2.00

Data File: 5041201.d

Spectrum: Avg. Scans 95-97 ( 3.77), Background Scan 88

Location of Maximum: 95.00

Number of points: 223

| m/z   | Y      | m/z    | Y      | m/z    | Y       | m/z    | Y   |
|-------|--------|--------|--------|--------|---------|--------|-----|
| 35,00 | 69     | 96,00  | 163840 | 159,00 | 1352    | 248,00 | 321 |
| 36,00 | 24264  | 97,00  | 3639   | 160,00 | 121     | 250,00 | 70  |
| 37,00 | 147072 | 99,00  | 165    | 161,00 | 1487    | 252,00 | 51  |
| 38,00 | 125936 | 100,00 | 168    | 162,00 | 67      | 253,00 | 210 |
| 39,00 | 50528  | 101,00 | 18     | 164,00 | 248     | 255,00 | 127 |
| 40,00 | 1392   | 103,00 | 83     | 166,00 | 358     | 256,00 | 53  |
| 41,00 | 1161   | 104,00 | 5146   | 168,00 | 690     | 257,00 | 100 |
| 45,00 | 22408  | 105,00 | 2724   | 169,00 | 969     | 261,00 | 243 |
| 46,00 | 953    | 106,00 | 5433   | 170,00 | 953     | 263,00 | 128 |
| 47,00 | 46208  | 107,00 | 1212   | 171,00 | 1107    | 265,00 | 145 |
| 48,00 | 15334  | 108,00 | 189    | 172,00 | 1747    | 269,00 | 372 |
| 49,00 | 119064 | 110,00 | 174    | 173,00 | 11147   | 272,00 | 29  |
| 50,00 | 598080 | 111,00 | 765    | 174,00 | 1761280 | 274,00 | 202 |
| 51,00 | 174400 | 112,00 | 582    | 175,00 | 121608  | 275,00 | 109 |
| 52,00 | 5834   | 113,00 | 639    | 176,00 | 1699840 | 276,00 | 61  |
| 55,00 | 4683   | 114,00 | 119    | 177,00 | 114024  | 278,00 | 65  |
| 56,00 | 34328  | 115,00 | 1890   | 178,00 | 2228    | 279,00 | 52  |
| 57,00 | 65248  | 116,00 | 4655   | 179,00 | 178     | 280,00 | 157 |
| 58,00 | 2014   | 117,00 | 8130   | 180,00 | 80      | 283,00 | 86  |
| 59,00 | 439    | 118,00 | 4749   | 182,00 | 54      | 284,00 | 52  |
| 60,00 | 17544  | 119,00 | 6806   | 183,00 | 180     | 285,00 | 74  |
| 61,00 | 95048  | 123,00 | 481    | 185,00 | 50      | 287,00 | 136 |
| 62,00 | 96040  | 124,00 | 1504   | 186,00 | 196     | 289,00 | 159 |
| 63,00 | 67136  | 125,00 | 379    | 187,00 | 88      | 290,00 | 171 |
| 64,00 | 5921   | 126,00 | 612    | 191,00 | 176     | 291,00 | 253 |
| 65,00 | 698    | 127,00 | 126    | 192,00 | 356     | 294,00 | 195 |
| 66,00 | 129    | 128,00 | 5742   | 193,00 | 109     | 296,00 | 76  |
| 67,00 | 4783   | 129,00 | 2920   | 195,00 | 4       | 297,00 | 445 |
| 68,00 | 198080 | 130,00 | 7123   | 197,00 | 177     | 301,00 | 77  |
| 69,00 | 188992 | 131,00 | 2184   | 198,00 | 76      | 303,00 | 74  |
| 70,00 | 13472  | 132,00 | 388    | 202,00 | 160     | 306,00 | 89  |
| 71,00 | 852    | 133,00 | 207    | 206,00 | 97      | 308,00 | 57  |
| 72,00 | 6747   | 134,00 | 263    | 208,00 | 60      | 312,00 | 50  |
| 73,00 | 73448  | 135,00 | 1751   | 211,00 | 166     | 314,00 | 51  |
| 74,00 | 303808 | 136,00 | 657    | 213,00 | 183     | 315,00 | 87  |

Date : 12-APR-2008 15:50

Client ID: BFB

Instrument: msd5.i

Sample Info: BFB Tune Check

Volume Injected (uL): 1.0

Operator: dfm

Column phase:

Column diameter: 2.00

Data File: 5041201.d

Spectrum: Avg. Scans 95-97 ( 3.77), Background Scan 88

Location of Maximum: 95.00

Number of points: 223

| m/z   | Y       | m/z    | Y     | m/z    | Y   | m/z    | Y   |
|-------|---------|--------|-------|--------|-----|--------|-----|
| 75.00 | 1013888 | 137.00 | 2085  | 214.00 | 122 | 316.00 | 119 |
| 76.00 | 85712   | 138.00 | 310   | 218.00 | 263 | 321.00 | 55  |
| 77.00 | 10356   | 139.00 | 680   | 220.00 | 75  | 322.00 | 62  |
| 78.00 | 7163    | 140.00 | 1316  | 221.00 | 198 | 323.00 | 77  |
| 79.00 | 29160   | 141.00 | 10822 | 222.00 | 57  | 325.00 | 295 |
| 80.00 | 9875    | 142.00 | 1632  | 223.00 | 152 | 326.00 | 85  |
| 81.00 | 27520   | 143.00 | 11193 | 224.00 | 60  | 328.00 | 399 |
| 82.00 | 6356    | 144.00 | 1168  | 226.00 | 29  | 329.00 | 50  |
| 83.00 | 1119    | 145.00 | 925   | 227.00 | 115 | 330.00 | 76  |
| 84.00 | 259     | 146.00 | 2600  | 228.00 | 81  | 331.00 | 11  |
| 85.00 | 340     | 147.00 | 1435  | 231.00 | 117 | 332.00 | 114 |
| 86.00 | 1888    | 148.00 | 4313  | 233.00 | 166 | 333.00 | 62  |
| 87.00 | 97880   | 149.00 | 910   | 236.00 | 262 | 334.00 | 184 |
| 88.00 | 96304   | 150.00 | 1493  | 237.00 | 246 | 335.00 | 62  |
| 89.00 | 459     | 152.00 | 594   | 239.00 | 143 | 337.00 | 107 |
| 90.00 | 149     | 153.00 | 1015  | 240.00 | 260 | 338.00 | 362 |
| 91.00 | 3917    | 154.00 | 1453  | 242.00 | 68  | 341.00 | 213 |
| 92.00 | 50184   | 155.00 | 4375  | 243.00 | 50  | 343.00 | 196 |
| 93.00 | 76744   | 156.00 | 608   | 245.00 | 72  | 349.00 | 78  |
| 94.00 | 241216  | 157.00 | 3790  | 246.00 | 101 | 350.00 | 60  |
| 95.00 | 2470400 | 158.00 | 554   | 247.00 | 24  |        |     |

## **Shipping/ Receiving Documents**





AN ENVIRONMENTAL ANALYTICAL LABORATORY

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

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

COMPANY: \_\_\_\_\_ GEI Consultants, Inc.  
ATTENTION: \_\_\_\_\_ Ms. Theresa Landgraff  
FAX #: \_\_\_\_\_  
FROM: \_\_\_\_\_ Sample Receiving  
Workorder #: \_\_\_\_\_ 0804095  
# of pages (Including Cover): \_\_\_\_\_ 1

4/18/2008

Thank you for selecting Air Toxics Ltd. We have received your samples and have found discrepancies. In order to expedite analysis and reporting, please review the attached information for accuracy. Corrections can be faxed to **Bryanna Langley at 916-985-1020**. ATL will proceed with the analysis as specified on the Chain of Custody and Sample Login page.

The following discrepancy has been observed:

We have found a discrepancy between the Chain of Custody (COC) and the sample tag. The sample labeled DW 31138 on the COC is labeled as DW AMS 1 on the sample tag. ATL will report the sample identification on the COC unless otherwise notified.

*Your prompt response is appreciated.*

# AIR TOXICS LTD.

## Sample Transportation Notice

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

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling, or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 457-4922

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

|   |  |  |  |
|---|--|--|--|
| <b>Contact</b>                              | Company: GEL Consultants, Inc.<br>Address: 455 Winding Brook Glastonbury CT 06033<br>Phone: 860-386-5300 Cell: | <b>Project Info:</b><br>P.O. #<br>Project # 091140 - 8 - 1703<br>Project Name: BayShore OUI Southern cell Air Monitoring | <b>Turn Around Time:</b><br><input checked="" type="checkbox"/> Normal<br><input type="checkbox"/> Rush<br>Specify _____ |
| Collected By: Signature: <i>[Signature]</i> |  |  |  |

| Lab I.D. | Field Sample I.D. | Date & Time | Analyses Requested  | Canister Pressure/Vacuum<br>Initial Final Receipt |
|----------|-------------------|-------------|---------------------|---|
| O/A      | UW PMS 5          | 06/15/14 15 | TO-15 + Naphthalene | 29.5 - 2.5  |
| OZA      | DW 31138          | 06/15/14 15 | TO-15 + Naphthalene | 22.7 - 8.0  |
|          |                   |             |                     |   |
|          |                   |             |                     |   |
|          |                   |             |                     |   |

|   |   |   |
|---|---|---|
| Relinquished By: (Signature) <i>[Signature]</i> Date/Time: 06/05/14 15:20 | Received By: (Signature) <i>[Signature]</i> Date/Time: 06/05/14 15:20 | 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@group@gelconsultants.com |
| Relinquished By: (Signature) <i>[Signature]</i> Date/Time: 06/05/14 15:20 | Received By: (Signature) <i>[Signature]</i> Date/Time: 06/05/14 15:20 |   |

|              |                      |             |               |              |                 |  |                       |
|--------------|----------------------|-------------|---------------|--------------|-----------------|--|-----------------------|
| Lab Use Only | Supplier Name: FedEx | Air Bill #: | Opened By: NA | Temp (C): NA | Condition: Good | Backup Seal intact: Yes No <u>None</u> | Work Order #: 0804095 |
|--------------|----------------------|-------------|---------------|--------------|-----------------|--|-----------------------|



AN ENVIRONMENTAL ANALYTICAL LABORATORY

### SAMPLE RECEIPT SUMMARY

#### WORKORDER 0804095

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

**Phone**  
631-760-9300 x 12  
**Fax**

**Date Promised:** 04/17/08  
**Date Completed:** 4/16/08  
**Date Received:** 4/3/08  
**PO#:** NR  
**Project#:** 061140-8-1703 BayShore OU1 Southern cell  
Air Monitorin  
**Total \$:** \$ 554.00  
**Logged By:** MW

**Sales Rep:** TB

| <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  | 4/2/2008         | 6.0 "Hg                       | \$225.00        |
| 02A  | DW 31138        | Modified TO-15  | 4/2/2008         | 6.5 "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 58293 |                 |                 |                  |                               | \$100.00        |
| Fuel Surcharge (2) @ \$2.00 each.  |                 |                 |                  |                               | \$4.00          |

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

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

Analysis Code: TO-14A

**TERMS:**

Reporting Method: Modified TO-15 + Naph

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: MW Date: 4/4/08 Discrepancy Type: I. II. III.  
(circle all that apply)

Workorder(s) affected: 0804045 Sample(s) affected: 02A

Project ID: 9699

## I. Sample Receipt Discrepancies

### 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.
- Date of Collection noted on first sample, but no arrow down to indicate all samples.
- Sample date error/missing on COC but noted on sample tag (circle one).

### Narration Required In Lab Narrative and Sample Confirmation:

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

Describe the Discrepancy: 02A: ID on tag reads 0W AMS1

## 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).
- 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 #:

0504095

A R T M Q

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

LUMEN validation report present and initialed

CIRCLE (YES) (NO)

- Lab Blank, CCV, LCS and DUP met QC criteria
- Hold time is met for all samples
- 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 (N<sub>2</sub> or He)  Tedlar Bag only
- Final pressure consistent with canister size (6L vs. 1L)
- Verify receipt pressures against logbook and Target
- Verify canister ID #'s
- 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 on CCV

M/Q:

A (Analytical Review/Date) 4/14/08 R/T (Reporting Review/Date) R: Taylor 4-16-08 M (Management Review/Date) 4/16/08 Q (QA Review/Date)

T: \_\_\_\_\_

**Not Applicable**