

General Electric
WA00009278206
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JUN 29 2006
DEPT. OF ECOLOGY

GE
Aviation

James W. Sumner, Manager
Group Environmental Programs

One Neumann Way, M/D T165
Cincinnati, OH 45215

T 513-672-3986, DC 8*892-3986
F 513 552-8918, DC 8*892-8918
jim.sumner@ge.com

June 20, 2006

Mr. Dean Yasuda
Washington Department of Ecology
Northwest Regional Office
3190 - 160th Avenue S.E.
Bellevue, Washington 98008-5452

Dear Mr. Yasuda:

Attached please find a letter prepared by RETEC outlining the initial air sampling results for the Interior Environments Building.

With this letter I would like to request that you change our company name to GE Aviation in place of the GE Aircraft Engines.

Should you have any questions please do not hesitate to call me at (513) 672-3986 or Jill Lantz at (206) 624-9349.

Sincerely,

A handwritten signature in black ink that reads "James W. Sumner".

James W. Sumner

Attachment - RETEC Letter

cc: Alex Cordas, KEYMAC
Bill Joyce - Salter Joyce Ziker
Tong Li, Ground Water Solutions
Jill Lantz - RETEC

Central Files copy

General Electric
WAP 009278706
H2W 6.7.1



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JUN 21 2006
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Attached please find a letter prepared by RETEC outlining the initial air sampling results for the Interior Environments Building.

With this letter I would like to request that you change our company name to GE Aviation in place of the GE Aircraft Engines.

Should you have any questions please do not hesitate to call me at (513) 672-3986 or Jill Lantz at (206) 624-9349.

Sincerely,


James W. Sumner

Attachment - RETEC Letter

cc: Alex Cordas, KEYMAC
Bill Joyce - Salter Joyce Ziker
Tong Li, Ground Water Solutions
Jill Lantz - RETEC

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JUN 21 2006
DEPT. OF ECOLOGY

The RETEC Group, Inc.
1011 SW Klickitat Way, Suite 207
Seattle, WA 98134-1162



206.624.9349 Phone
206.624.2839 Fax
www.retec.com

June 20, 2006

Mr. Dean Yasuda
Department of Ecology
3190 160th Ave. SE
Bellevue, WA 98008

RE: Results of Air Sampling at the Interior Environments Building

Dear Dean:

Attached please find the laboratory reports from the indoor/ambient air sampling performed at the Interior Environments Building performed on May 30, 2006. This data has not been validated yet. Upon receipt of final data validation, we will prepare a complete report summarizing the sampling event and the analytical results.

None of the samples had detectable levels of trichloroethylene (TCE), at detection limits ranging from 0.17 to 0.25 $\mu\text{g}/\text{m}^3$. The detection limits for the indoor samples were all at or below 0.22 $\mu\text{g}/\text{m}^3$.

Based on these results, no additional sampling is warranted at this location. If you have any questions or comments, please call me at (206) 624-9349 or Jim Sumner at (513) 672-3986.

Sincerely,
The RETEC Group, Inc.



Jill Nordstrom Lantz, P.E.
Project Manager

cc: Jim Sumner – GE
Tong Li – Groundwater Solutions
Alex Cordas – KeyMac
Bill Joyce – Salter Joyce Ziker
Linda Baker – RETEC
Jamie Stevens – RETEC
RETEC File GE001-19314



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Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

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

WORK ORDER #: 0606020

Work Order Summary

CLIENT: Ms. Jill Lantz
The RETEC Group, Inc.
1011 SW Klickitat Way
Suite 207
Seattle, WA 98134

BILL TO: Ms. Jill Lantz
The RETEC Group, Inc.
1011 SW Klickitat Way
Suite 207
Seattle, WA 98134

PHONE:

P.O. #

FAX:

PROJECT # GE001-19314-750 GE-Interior Env.

DATE RECEIVED: 06/01/2006

CONTACT: Nicole Danbacher

DATE COMPLETED: 05/22/2006

| <u>FRACTION #</u> | <u>NAME</u> | <u>TEST</u> | <u>RECEIPT VAC./PRES.</u> |
|-------------------|-------------------|--------------------|-------------------------------|
| 01A | IE-1A-20 | Modified TO-15 SIM | 7.0 "Hg |
| 02A | IE-1A-2 | Modified TO-15 SIM | 6.0 "Hg |
| 03A | IE-1A-3 | Modified TO-15 SIM | 10.5 "Hg |
| 04A | IE-1A-1 | Modified TO-15 SIM | 7.5 "Hg |
| 05A | IE-AA-5 | Modified TO-15 SIM | 9.0 "Hg |
| 06A | IE-AA-4 | Modified TO-15 SIM | 8.0 "Hg |
| 07A | IE-AA-3 | Modified TO-15 SIM | 12.5 "Hg |
| 08A | IE-AA-1 | Modified TO-15 SIM | 8.0 "Hg |
| 09A | IE-AA-2 | Modified TO-15 SIM | 5.0 "Hg |
| 09AA | IE-AA-2 Duplicate | Modified TO-15 SIM | 5.0 "Hg |
| 10A | Lab Blank | Modified TO-15 SIM | NA |
| 11A | CCV | Modified TO-15 SIM | NA |
| 12A | LCS | Modified TO-15 SIM | NA |

CERTIFIED BY:

Sandra A. Fulmer

DATE: 06/14/06

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: 07/01/05, Expiration date: 06/30/06

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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

**LABORATORY NARRATIVE
 Modified TO-15 SIM
 The RETEC Group, Inc.
 Workorder# 0606020**

Nine 6 Liter Summa Canister (SIM Certified) samples were received on June 01, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode. The method involves concentrating up to 0.5 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.

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

| <i>Requirement</i> | <i>TO-15</i> | <i>ATL Modifications</i> |
|-------------------------------|--|---|
| ICAL %RSD acceptance criteria | $\leq 30\%$ RSD with 2 compounds allowed out to <math>< 40\%</math> RSD | Project specific; default criteria is $\leq 30\%$ RSD with 10% of compounds allowed out to <math>< 40\%</math> RSD |
| Daily Calibration | +/- 30% Difference | Project specific; default criteria is $\leq 30\%$ Difference with 10% of compounds allowed out up to $\leq 40\%$; flag and narrate outliers |
| Blank and standards | Zero air | Nitrogen |
| 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

Sample collection date was incomplete on the chain of custody for all samples. The sampling date was taken from the tag and the discrepancy was noted in the Sample Receipt Confirmation email/fax.

The Chain of Custody was not relinquished properly. The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

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

J - Estimated value.

E - Exceeds instrument calibration range.



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- 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



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

Client Sample ID: IE-1A-20

Lab ID#: 0606020-01A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-----------------------|-------------------|---------------|--------------------|----------------|
| Chloroform | 0.035 | 0.067 | 0.17 | 0.33 |
| 1,1,1-Trichloroethane | 0.035 | 1.3 | 0.19 | 7.2 |
| Tetrachloroethene | 0.035 | 0.054 | 0.24 | 0.37 |

Client Sample ID: IE-1A-2

Lab ID#: 0606020-02A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-----------------------|-------------------|---------------|--------------------|----------------|
| 1,1,1-Trichloroethane | 0.034 | 1.3 | 0.18 | 7.0 |
| Tetrachloroethene | 0.034 | 0.045 | 0.23 | 0.31 |

Client Sample ID: IE-1A-3

Lab ID#: 0606020-03A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-------------------|-------------------|---------------|--------------------|----------------|
| Tetrachloroethene | 0.041 | 0.054 | 0.28 | 0.36 |

Client Sample ID: IE-1A-1

Lab ID#: 0606020-04A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-----------------------|-------------------|---------------|--------------------|----------------|
| 1,1,1-Trichloroethane | 0.036 | 0.036 | 0.20 | 0.19 J |
| Tetrachloroethene | 0.036 | 0.037 | 0.24 | 0.25 |

Client Sample ID: IE-AA-5

Lab ID#: 0606020-05A

No Detections Were Found.

Client Sample ID: IE-AA-4

Lab ID#: 0606020-06A

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|-------------------|-------------------|---------------|--------------------|----------------|
| Tetrachloroethene | 0.037 | 0.068 | 0.25 | 0.46 |



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

Client Sample ID: IE-AA-3

Lab ID#: 0606020-07A

No Detections Were Found.

Client Sample ID: IE-AA-1

Lab ID#: 0606020-08A

No Detections Were Found.

Client Sample ID: IE-AA-2

Lab ID#: 0606020-09A

| <u>Compound</u> | <u>Rpt. Limit (ppbv)</u> | <u>Amount (ppbv)</u> | <u>Rpt. Limit (uG/m3)</u> | <u>Amount (uG/m3)</u> |
|-------------------|------------------------------|--------------------------|-------------------------------|---------------------------|
| Tetrachloroethene | 0.032 | 0.032 | 0.22 | 0.21 J |

Client Sample ID: IE-AA-2 Duplicate

Lab ID#: 0606020-09AA

| <u>Compound</u> | <u>Rpt. Limit (ppbv)</u> | <u>Amount (ppbv)</u> | <u>Rpt. Limit (uG/m3)</u> | <u>Amount (uG/m3)</u> |
|-------------------|------------------------------|--------------------------|-------------------------------|---------------------------|
| Tetrachloroethene | 0.032 | 0.034 | 0.22 | 0.23 |



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Client Sample ID: IE-1A-20

Lab ID#: 0606020-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|---------------------|----------------|--|
| File Name: | a060518 | Date of Collection: 5/30/06 |
| Dil. Factor: | 1.75 | Date of Analysis: 6/6/06 12:31 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|------------------------------|--------------------------|-------------------------------|---------------------------|
| Vinyl Chloride | 0.018 | Not Detected | 0.045 | Not Detected |
| cis-1,2-Dichloroethene | 0.035 | Not Detected | 0.14 | Not Detected |
| Trichloroethene | 0.035 | Not Detected | 0.19 | Not Detected |
| 1,1-Dichloroethene | 0.018 | Not Detected | 0.069 | Not Detected |
| Chloroform | 0.035 | 0.067 | 0.17 | 0.33 |
| 1,1,1-Trichloroethane | 0.035 | 1.3 | 0.19 | 7.2 |
| Tetrachloroethene | 0.035 | 0.054 | 0.24 | 0.37 |
| 1,1-Dichloroethane | 0.035 | Not Detected | 0.14 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|--------------------------|
| 1,2-Dichloroethane-d4 | 88 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



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Client Sample ID: IE-1A-2

Lab ID#: 0606020-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060519 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 1.68 | Date of Analysis: | 6/6/06 01:21 AM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.017 | Not Detected | 0.043 | Not Detected |
| cis-1,2-Dichloroethene | 0.034 | Not Detected | 0.13 | Not Detected |
| Trichloroethene | 0.034 | Not Detected | 0.18 | Not Detected |
| 1,1-Dichloroethene | 0.017 | Not Detected | 0.067 | Not Detected |
| Chloroform | 0.034 | Not Detected | 0.16 | Not Detected |
| 1,1,1-Trichloroethane | 0.034 | 1.3 | 0.18 | 7.0 |
| Tetrachloroethene | 0.034 | 0.045 | 0.23 | 0.31 |
| 1,1-Dichloroethane | 0.034 | Not Detected | 0.14 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 87 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



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Client Sample ID: IE-1A-3

Lab ID#: 0606020-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|---------------------|----------------|--|
| File Name: | a060520 | Date of Collection: 5/30/06 |
| Dil. Factor: | 2.06 | Date of Analysis: 6/6/06 02:01 AM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Vinyl Chloride | 0.021 | Not Detected | 0.053 | Not Detected |
| cis-1,2-Dichloroethene | 0.041 | Not Detected | 0.16 | Not Detected |
| Trichloroethene | 0.041 | Not Detected | 0.22 | Not Detected |
| 1,1-Dichloroethene | 0.021 | Not Detected | 0.082 | Not Detected |
| Chloroform | 0.041 | Not Detected | 0.20 | Not Detected |
| 1,1,1-Trichloroethane | 0.041 | Not Detected | 0.22 | Not Detected |
| Tetrachloroethene | 0.041 | 0.054 | 0.28 | 0.36 |
| 1,1-Dichloroethane | 0.041 | Not Detected | 0.17 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 86 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: IE-1A-1

Lab ID#: 0606020-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060521 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 1.79 | Date of Analysis: | 6/6/06 02:38 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.018 | Not Detected | 0.046 | Not Detected |
| cis-1,2-Dichloroethene | 0.036 | Not Detected | 0.14 | Not Detected |
| Trichloroethene | 0.036 | Not Detected | 0.19 | Not Detected |
| 1,1-Dichloroethene | 0.018 | Not Detected | 0.071 | Not Detected |
| Chloroform | 0.036 | Not Detected | 0.17 | Not Detected |
| 1,1,1-Trichloroethane | 0.036 | 0.036 | 0.20 | 0.19 J |
| Tetrachloroethene | 0.036 | 0.037 | 0.24 | 0.25 |
| 1,1-Dichloroethane | 0.036 | Not Detected | 0.14 | Not Detected |

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 86 | 70-130 |
| Toluene-d8 | 96 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |

Client Sample ID: IE-AA-5

Lab ID#: 0606020-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|---------------------|----------------|--|
| File Name: | a060522 | Date of Collection: 5/30/06 |
| Dil. Factor: | 1.91 | Date of Analysis: 6/6/06 03:10 AM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Vinyl Chloride | 0.019 | Not Detected | 0.049 | Not Detected |
| cis-1,2-Dichloroethene | 0.038 | Not Detected | 0.15 | Not Detected |
| Trichloroethene | 0.038 | Not Detected | 0.20 | Not Detected |
| 1,1-Dichloroethene | 0.019 | Not Detected | 0.076 | Not Detected |
| Chloroform | 0.038 | Not Detected | 0.19 | Not Detected |
| 1,1,1-Trichloroethane | 0.038 | Not Detected | 0.21 | Not Detected |
| Tetrachloroethene | 0.038 | Not Detected | 0.26 | Not Detected |
| 1,1-Dichloroethane | 0.038 | Not Detected | 0.15 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 88 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

Client Sample ID: IE-AA-4

Lab ID#: 0606020-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|---------------------|----------------|--|
| File Name: | a060523 | Date of Collection: 5/30/06 |
| Dil. Factor: | 1.83 | Date of Analysis: 6/6/06 03:48 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Vinyl Chloride | 0.018 | Not Detected | 0.047 | Not Detected |
| cis-1,2-Dichloroethene | 0.037 | Not Detected | 0.14 | Not Detected |
| Trichloroethene | 0.037 | Not Detected | 0.20 | Not Detected |
| 1,1-Dichloroethene | 0.018 | Not Detected | 0.072 | Not Detected |
| Chloroform | 0.037 | Not Detected | 0.18 | Not Detected |
| 1,1,1-Trichloroethane | 0.037 | Not Detected | 0.20 | Not Detected |
| Tetrachloroethene | 0.037 | 0.068 | 0.25 | 0.46 |
| 1,1-Dichloroethane | 0.037 | Not Detected | 0.15 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 89 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



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Client Sample ID: IE-AA-3

Lab ID#: 0606020-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060524 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 2.30 | Date of Analysis: | 6/6/06 04:26 AM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.023 | Not Detected | 0.059 | Not Detected |
| cis-1,2-Dichloroethene | 0.046 | Not Detected | 0.18 | Not Detected |
| Trichloroethene | 0.046 | Not Detected | 0.25 | Not Detected |
| 1,1-Dichloroethene | 0.023 | Not Detected | 0.091 | Not Detected |
| Chloroform | 0.046 | Not Detected | 0.22 | Not Detected |
| 1,1,1-Trichloroethane | 0.046 | Not Detected | 0.25 | Not Detected |
| Tetrachloroethene | 0.046 | Not Detected | 0.31 | Not Detected |
| 1,1-Dichloroethane | 0.046 | Not Detected | 0.19 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



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Client Sample ID: IE-AA-1

Lab ID#: 0606020-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060525 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 1.83 | Date of Analysis: | 6/6/06 05:05 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.018 | Not Detected | 0.047 | Not Detected |
| cis-1,2-Dichloroethene | 0.037 | Not Detected | 0.14 | Not Detected |
| Trichloroethene | 0.037 | Not Detected | 0.20 | Not Detected |
| 1,1-Dichloroethene | 0.018 | Not Detected | 0.072 | Not Detected |
| Chloroform | 0.037 | Not Detected | 0.18 | Not Detected |
| 1,1,1-Trichloroethane | 0.037 | Not Detected | 0.20 | Not Detected |
| Tetrachloroethene | 0.037 | Not Detected | 0.25 | Not Detected |
| 1,1-Dichloroethane | 0.037 | Not Detected | 0.15 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 90 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |



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Client Sample ID: IE-AA-2

Lab ID#: 0606020-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060526 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 1.61 | Date of Analysis: | 6/6/06 05:35 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.016 | Not Detected | 0.041 | Not Detected |
| cis-1,2-Dichloroethene | 0.032 | Not Detected | 0.13 | Not Detected |
| Trichloroethene | 0.032 | Not Detected | 0.17 | Not Detected |
| 1,1-Dichloroethene | 0.016 | Not Detected | 0.064 | Not Detected |
| Chloroform | 0.032 | Not Detected | 0.16 | Not Detected |
| 1,1,1-Trichloroethane | 0.032 | Not Detected | 0.18 | Not Detected |
| Tetrachloroethene | 0.032 | 0.032 | 0.22 | 0.21 J |
| 1,1-Dichloroethane | 0.032 | Not Detected | 0.13 | Not Detected |

J = Estimated value.

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 91 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 102 | 70-130 |

Client Sample ID: IE-AA-2 Duplicate

Lab ID#: 0606020-09AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | | |
|--------------|---------|---------------------|-----------------|
| File Name: | a060527 | Date of Collection: | 5/30/06 |
| Dil. Factor: | 1.61 | Date of Analysis: | 6/6/06 06:07 AM |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|-------------------|---------------|--------------------|----------------|
| Vinyl Chloride | 0.016 | Not Detected | 0.041 | Not Detected |
| cis-1,2-Dichloroethene | 0.032 | Not Detected | 0.13 | Not Detected |
| Trichloroethene | 0.032 | Not Detected | 0.17 | Not Detected |
| 1,1-Dichloroethene | 0.016 | Not Detected | 0.064 | Not Detected |
| Chloroform | 0.032 | Not Detected | 0.16 | Not Detected |
| 1,1,1-Trichloroethane | 0.032 | Not Detected | 0.18 | Not Detected |
| Tetrachloroethene | 0.032 | 0.034 | 0.22 | 0.23 |
| 1,1-Dichloroethane | 0.032 | Not Detected | 0.13 | Not Detected |

Container Type: 6 Liter Summa Canister (SIM Certified)

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 92 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |

Client Sample ID: Lab Blank

Lab ID#: 0606020-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|---------------------|----------------|--|
| File Name: | a060507 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/5/06 03:34 PM |

| Compound | Rot. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (uG/m3) | Amount (uG/m3) |
|------------------------|--------------------------|----------------------|---------------------------|-----------------------|
| Vinyl Chloride | 0.010 | Not Detected | 0.026 | Not Detected |
| cis-1,2-Dichloroethene | 0.020 | Not Detected | 0.079 | Not Detected |
| Trichloroethene | 0.020 | Not Detected | 0.11 | Not Detected |
| 1,1-Dichloroethene | 0.010 | Not Detected | 0.040 | Not Detected |
| Chloroform | 0.020 | Not Detected | 0.098 | Not Detected |
| 1,1,1-Trichloroethane | 0.020 | Not Detected | 0.11 | Not Detected |
| Tetrachloroethene | 0.020 | Not Detected | 0.14 | Not Detected |
| 1,1-Dichloroethane | 0.020 | Not Detected | 0.081 | Not Detected |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|------------------|----------------------|
| 1,2-Dichloroethane-d4 | 84 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 103 | 70-130 |



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0606020-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|--------------|---------|-----------------------------------|
| File Name: | a060502 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/5/06 11:30 AM |

| Compound | %Recovery |
|------------------------|-----------|
| Vinyl Chloride | 86 |
| cis-1,2-Dichloroethene | 98 |
| Trichloroethene | 101 |
| 1,1-Dichloroethene | 97 |
| Chloroform | 86 |
| 1,1,1-Trichloroethane | 85 |
| Tetrachloroethene | 108 |
| 1,1-Dichloroethane | 86 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 78 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |



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AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0606020-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

| | | |
|--------------|---------|-----------------------------------|
| File Name: | a060503 | Date of Collection: NA |
| Dil. Factor: | 1.00 | Date of Analysis: 6/5/06 12:01 PM |

| Compound | %Recovery |
|------------------------|-----------|
| Vinyl Chloride | 86 |
| cis-1,2-Dichloroethene | 100 |
| Trichloroethene | 103 |
| 1,1-Dichloroethene | 96 |
| Chloroform | 87 |
| 1,1,1-Trichloroethane | 86 |
| Tetrachloroethene | 111 |
| 1,1-Dichloroethane | 87 |

Container Type: NA - Not Applicable

| Surrogates | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 78 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |