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

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



Project Manager Michael Parris
**Collected by:** (Print and Sign) Michael Parris
Company MO DNR Email Michael.parris@dnr.mo.gov
Address PO Box 176 City Jefferson City State MO Zip 65102
Phone (573) 526-3918 Fax

**Project Info:**
P.O. # 3ESP400007
Project #
Project Name Bridgeton LF

**Turn Around Time:**
☒ Normal
☐ Rush
specify

*Lab Use Only*
Pressurized by:
Date:
Pressurization Gas: $N_2$ He

| Lab I.D. | Field Sample I.D. (Location) | Can # | Date of Collection | Time of Collection | Analyses Requested | Canister Pressure/Vacuum Initial | Final | Receipt | Final (psi) |
|---|---|---|---|---|---|---|---|---|---|
| 01A | D1 (141049) | 33570 | 7/26/14 | 1345 - 1754 | TO-15 | -30 | -7 | | |
| 02A | D2 (141050) | 11029 | 7/26/14 | 1351 - 1836 | TO-15 | -30 | -7 | | |
| 03A | U1 (141106) | 33961 | 7/26/14 | 1408 - 1849 | TO-15 | -30 | -7 | | |
| | Insufficient vacuum | 13665 | Do not analyze | | | -25 | / | | |

| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
|---|---|---|---|
| Michael Parris | 7/28/14 1350 | David McFall FATC | 8/1/14 1105 |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |
| Relinquished by: (signature) | Date/Time | Received by: (signature) | Date/Time |

**Notes:**
Shipped via UPS.
Tracking # : 1Z6727830342812605

| Lab Use Only | Shipper Name | Air Bill # | Temp (°C) | Condition | Custody Seals Intact? | Work Order # |
|---|---|---|---|---|---|---|
| | ups | | 4 | Good | Yes No (None) | 1408016 |

Form 1293 rev.11

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8/13/2014
Mr. Dennis Schroeder
Missouri Dept. of Natural Resources
2710 West Main

Jefferson City MO 65109

Project Name: Bridgeton LF
Project #:
Workorder #: 1408016

Dear Mr. Dennis Schroeder

The following report includes the data for the above referenced project for sample(s) received on 8/1/2014 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Brian Whittaker

Project Manager

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# WORK ORDER #: 1408016

Work Order Summary

| | | | |
|---|---|---|---|
| **CLIENT:** | Mr. Dennis Schroeder<br>Missouri Dept. of Natural Resources<br>2710 West Main<br>Jefferson City, MO 65109 | **BILL TO:** | Accounts Payable<br>Missouri Dept. of Natural Resources<br>P.O Box 176<br>Jefferson City, MO 65102 |
| **PHONE:** | 573-526-4428 | **P.O. #** | 3ESP4000007 |
| **FAX:** | 573-526-3350 | **PROJECT #** | Bridgeton LF |
| **DATE RECEIVED:** | 08/01/2014 | **CONTACT:** | Brian Whittaker |
| **DATE COMPLETED:** | 08/07/2014 | | |

| FRACTION # | NAME | TEST | RECEIPT VAC./PRES. | FINAL PRESSURE |
|---|---|---|---|---|
| 01A | D1 (1410149) | Modified TO-15 | 6.9 "Hg | 4.9 psi |
| 02A | D2 (1410150) | Modified TO-15 | 6.7 "Hg | 4.8 psi |
| 03A | U1 (1411016) | Modified TO-15 | 7.1 "Hg | 4.9 psi |
| 04A | Lab Blank | Modified TO-15 | NA | NA |
| 05A | CCV | Modified TO-15 | NA | NA |
| 06A | LCS | Modified TO-15 | NA | NA |
| 06AA | LCSD | Modified TO-15 | NA | NA |

CERTIFIED BY: Heidi Hayes DATE: 08/13/14

Technical Director

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-13-6, UT NELAP CA009332014-5, VA NELAP - 460197, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2013, Expiration date: 10/17/2014.
Eurofins Air Toxics Inc.. certifies that the test results contained in this report meet all requirements of the NELAC standards



180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
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**LABORATORY NARRATIVE**
**Modified TO-15**
**Missouri Dept. of Natural Resources**
**Workorder# 1408016**

Three 6 Liter Summa Canister (100% Certified) samples were received on August 01, 2014. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode.

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

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

| ***Requirement*** | ***TO-15*** | ***ATL Modifications*** |
|---|---|---|
| Initial Calibration | </=30% RSD with 2 compounds allowed out to < 40% RSD | </=30% RSD with 4 compounds allowed out to < 40% RSD |
| Blank and standards | Zero Air | UHP Nitrogen provides a higher purity gas matrix than zero air |

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

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

**Definition of Data Qualifying Flags**

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

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

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

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 FULL SCAN

**Client Sample ID: D1 (1410149)**

**Lab ID#: 1408016-01A**

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.17 | 0.57 | 0.86 | 2.8 |
| Freon 11 | 0.17 | 0.22 | 0.97 | 1.2 |
| Ethanol | 0.86 | 2.8 | 1.6 | 5.3 |
| Acetone | 0.86 | 8.4 | 2.0 | 20 |
| 2-Propanol | 0.86 | 7.4 | 2.1 | 18 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.86 | 1.3 | 2.6 | 4.0 |
| Heptane | 0.17 | 0.68 | 0.71 | 2.8 |
| Toluene | 0.17 | 6.6 | 0.65 | 25 |
| Ethyl Benzene | 0.17 | 0.35 | 0.75 | 1.5 |
| m,p-Xylene | 0.17 | 1.5 | 0.75 | 6.7 |
| o-Xylene | 0.17 | 0.57 | 0.75 | 2.5 |

**Client Sample ID: D2 (1410150)**

**Lab ID#: 1408016-02A**

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.17 | 0.56 | 0.84 | 2.8 |
| Freon 11 | 0.17 | 0.21 | 0.96 | 1.2 |
| Ethanol | 0.86 | 3.3 | 1.6 | 6.2 |
| Acetone | 0.86 | 6.4 | 2.0 | 15 |
| Methylene Chloride | 0.34 | 0.34 | 1.2 | 1.2 |

**Client Sample ID: U1 (1411016)**

**Lab ID#: 1408016-03A**

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.18 | 0.56 | 0.86 | 2.7 |
| Freon 11 | 0.18 | 0.18 | 0.98 | 1.0 |
| Ethanol | 0.88 | 6.7 | 1.6 | 13 |
| Acetone | 0.88 | 6.5 | 2.1 | 16 |
| 2-Butanone (Methyl Ethyl Ketone) | 0.88 | 0.94 | 2.6 | 2.8 |

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**Client Sample ID: D1 (1410149)**

**Lab ID#: 1408016-01A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080619** | **Date of Collection:** | **7/26/14 5:54:00 PM** |
| **Dil. Factor:** | **1.73** | **Date of Analysis:** | **8/7/14 06:22 AM** |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.17 | 0.57 | 0.86 | 2.8 |
| Freon 114 | 0.17 | Not Detected | 1.2 | Not Detected |
| Chloromethane | 0.86 | Not Detected | 1.8 | Not Detected |
| Vinyl Chloride | 0.17 | Not Detected | 0.44 | Not Detected |
| 1,3-Butadiene | 0.17 | Not Detected | 0.38 | Not Detected |
| Bromomethane | 0.86 | Not Detected | 3.4 | Not Detected |
| Chloroethane | 0.86 | Not Detected | 2.3 | Not Detected |
| Freon 11 | 0.17 | 0.22 | 0.97 | 1.2 |
| Ethanol | 0.86 | 2.8 | 1.6 | 5.3 |
| Freon 113 | 0.17 | Not Detected | 1.3 | Not Detected |
| 1,1-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Acetone | 0.86 | 8.4 | 2.0 | 20 |
| 2-Propanol | 0.86 | 7.4 | 2.1 | 18 |
| Carbon Disulfide | 0.86 | Not Detected | 2.7 | Not Detected |
| 3-Chloropropene | 0.86 | Not Detected | 2.7 | Not Detected |
| Methylene Chloride | 0.35 | Not Detected | 1.2 | Not Detected |
| Methyl tert-butyl ether | 0.17 | Not Detected | 0.62 | Not Detected |
| trans-1,2-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Hexane | 0.17 | Not Detected | 0.61 | Not Detected |
| 1,1-Dichloroethane | 0.17 | Not Detected | 0.70 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.86 | 1.3 | 2.6 | 4.0 |
| cis-1,2-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Tetrahydrofuran | 0.86 | Not Detected | 2.6 | Not Detected |
| Chloroform | 0.17 | Not Detected | 0.84 | Not Detected |
| 1,1,1-Trichloroethane | 0.17 | Not Detected | 0.94 | Not Detected |
| Cyclohexane | 0.17 | Not Detected | 0.60 | Not Detected |
| Carbon Tetrachloride | 0.17 | Not Detected | 1.1 | Not Detected |
| 2,2,4-Trimethylpentane | 0.86 | Not Detected | 4.0 | Not Detected |
| Benzene | 0.17 | Not Detected | 0.55 | Not Detected |
| 1,2-Dichloroethane | 0.17 | Not Detected | 0.70 | Not Detected |
| Heptane | 0.17 | 0.68 | 0.71 | 2.8 |
| Trichloroethene | 0.17 | Not Detected | 0.93 | Not Detected |
| 1,2-Dichloropropane | 0.17 | Not Detected | 0.80 | Not Detected |
| 1,4-Dioxane | 0.17 | Not Detected | 0.62 | Not Detected |
| Bromodichloromethane | 0.17 | Not Detected | 1.2 | Not Detected |
| cis-1,3-Dichloropropene | 0.17 | Not Detected | 0.78 | Not Detected |
| 4-Methyl-2-pentanone | 0.17 | Not Detected | 0.71 | Not Detected |
| Toluene | 0.17 | 6.6 | 0.65 | 25 |
| trans-1,3-Dichloropropene | 0.17 | Not Detected | 0.78 | Not Detected |
| 1,1,2-Trichloroethane | 0.17 | Not Detected | 0.94 | Not Detected |
| Tetrachloroethene | 0.17 | Not Detected | 1.2 | Not Detected |
| 2-Hexanone | 0.86 | Not Detected | 3.5 | Not Detected |

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**Client Sample ID: D1 (1410149)**

**Lab ID#: 1408016-01A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080619** | **Date of Collection:** | **7/26/14 5:54:00 PM** |
| **Dil. Factor:** | **1.73** | **Date of Analysis:** | **8/7/14 06:22 AM** |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Dibromochloromethane | 0.17 | Not Detected | 1.5 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.17 | Not Detected | 1.3 | Not Detected |
| Chlorobenzene | 0.17 | Not Detected | 0.80 | Not Detected |
| Ethyl Benzene | 0.17 | 0.35 | 0.75 | 1.5 |
| m,p-Xylene | 0.17 | 1.5 | 0.75 | 6.7 |
| o-Xylene | 0.17 | 0.57 | 0.75 | 2.5 |
| Styrene | 0.17 | Not Detected | 0.74 | Not Detected |
| Bromoform | 0.17 | Not Detected | 1.8 | Not Detected |
| Cumene | 0.17 | Not Detected | 0.85 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.17 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.17 | Not Detected | 0.85 | Not Detected |
| 4-Ethyltoluene | 0.17 | Not Detected | 0.85 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.17 | Not Detected | 0.85 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.17 | Not Detected | 0.85 | Not Detected |
| 1,3-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| 1,4-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| alpha-Chlorotoluene | 0.17 | Not Detected | 0.90 | Not Detected |
| 1,2-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.86 | Not Detected UJ | 6.4 | Not Detected UJ |
| Hexachlorobutadiene | 0.86 | Not Detected | 9.2 | Not Detected |

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 110 | 70-130 |
| Toluene-d8 | 92 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

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**Client Sample ID: D2 (1410150)**

**Lab ID#: 1408016-02A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080618** | **Date of Collection:** | **7/26/14 6:36:00 PM** |
| **Dil. Factor:** | **1.71** | **Date of Analysis:** | **8/6/14 10:16 PM** |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.17 | 0.56 | 0.84 | 2.8 |
| Freon 114 | 0.17 | Not Detected | 1.2 | Not Detected |
| Chloromethane | 0.86 | Not Detected | 1.8 | Not Detected |
| Vinyl Chloride | 0.17 | Not Detected | 0.44 | Not Detected |
| 1,3-Butadiene | 0.17 | Not Detected | 0.38 | Not Detected |
| Bromomethane | 0.86 | Not Detected | 3.3 | Not Detected |
| Chloroethane | 0.86 | Not Detected | 2.2 | Not Detected |
| Freon 11 | 0.17 | 0.21 | 0.96 | 1.2 |
| Ethanol | 0.86 | 3.3 | 1.6 | 6.2 |
| Freon 113 | 0.17 | Not Detected | 1.3 | Not Detected |
| 1,1-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Acetone | 0.86 | 6.4 | 2.0 | 15 |
| 2-Propanol | 0.86 | Not Detected | 2.1 | Not Detected |
| Carbon Disulfide | 0.86 | Not Detected | 2.7 | Not Detected |
| 3-Chloropropene | 0.86 | Not Detected | 2.7 | Not Detected |
| Methylene Chloride | 0.34 | 0.34 | 1.2 | 1.2 |
| Methyl tert-butyl ether | 0.17 | Not Detected | 0.62 | Not Detected |
| trans-1,2-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Hexane | 0.17 | Not Detected | 0.60 | Not Detected |
| 1,1-Dichloroethane | 0.17 | Not Detected | 0.69 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.86 | Not Detected | 2.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.17 | Not Detected | 0.68 | Not Detected |
| Tetrahydrofuran | 0.86 | Not Detected | 2.5 | Not Detected |
| Chloroform | 0.17 | Not Detected | 0.83 | Not Detected |
| 1,1,1-Trichloroethane | 0.17 | Not Detected | 0.93 | Not Detected |
| Cyclohexane | 0.17 | Not Detected | 0.59 | Not Detected |
| Carbon Tetrachloride | 0.17 | Not Detected | 1.1 | Not Detected |
| 2,2,4-Trimethylpentane | 0.86 | Not Detected | 4.0 | Not Detected |
| Benzene | 0.17 | Not Detected | 0.55 | Not Detected |
| 1,2-Dichloroethane | 0.17 | Not Detected | 0.69 | Not Detected |
| Heptane | 0.17 | Not Detected | 0.70 | Not Detected |
| Trichloroethene | 0.17 | Not Detected | 0.92 | Not Detected |
| 1,2-Dichloropropane | 0.17 | Not Detected | 0.79 | Not Detected |
| 1,4-Dioxane | 0.17 | Not Detected | 0.62 | Not Detected |
| Bromodichloromethane | 0.17 | Not Detected | 1.1 | Not Detected |
| cis-1,3-Dichloropropene | 0.17 | Not Detected | 0.78 | Not Detected |
| 4-Methyl-2-pentanone | 0.17 | Not Detected | 0.70 | Not Detected |
| Toluene | 0.17 | Not Detected | 0.64 | Not Detected |
| trans-1,3-Dichloropropene | 0.17 | Not Detected | 0.78 | Not Detected |
| 1,1,2-Trichloroethane | 0.17 | Not Detected | 0.93 | Not Detected |
| Tetrachloroethene | 0.17 | Not Detected | 1.2 | Not Detected |
| 2-Hexanone | 0.86 | Not Detected | 3.5 | Not Detected |

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**Client Sample ID: D2 (1410150)**

**Lab ID#: 1408016-02A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080618** | **Date of Collection: 7/26/14 6:36:00 PM** | |
| **Dil. Factor:** | **1.71** | **Date of Analysis: 8/6/14 10:16 PM** | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Dibromochloromethane | 0.17 | Not Detected | 1.4 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.17 | Not Detected | 1.3 | Not Detected |
| Chlorobenzene | 0.17 | Not Detected | 0.79 | Not Detected |
| Ethyl Benzene | 0.17 | Not Detected | 0.74 | Not Detected |
| m,p-Xylene | 0.17 | Not Detected | 0.74 | Not Detected |
| o-Xylene | 0.17 | Not Detected | 0.74 | Not Detected |
| Styrene | 0.17 | Not Detected | 0.73 | Not Detected |
| Bromoform | 0.17 | Not Detected | 1.8 | Not Detected |
| Cumene | 0.17 | Not Detected | 0.84 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.17 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.17 | Not Detected | 0.84 | Not Detected |
| 4-Ethyltoluene | 0.17 | Not Detected | 0.84 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.17 | Not Detected | 0.84 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.17 | Not Detected | 0.84 | Not Detected |
| 1,3-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| 1,4-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| alpha-Chlorotoluene | 0.17 | Not Detected | 0.88 | Not Detected |
| 1,2-Dichlorobenzene | 0.17 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.86 | Not Detected UJ | 6.3 | Not Detected UJ |
| Hexachlorobutadiene | 0.86 | Not Detected | 9.1 | Not Detected |

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 109 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 97 | 70-130 |

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**Client Sample ID: U1 (1411016)**

**Lab ID#: 1408016-03A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080620** | **Date of Collection:** | **7/26/14 6:49:00 PM** |
| **Dil. Factor:** | **1.75** | **Date of Analysis:** | **8/7/14 07:12 AM** |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.18 | 0.56 | 0.86 | 2.7 |
| Freon 114 | 0.18 | Not Detected | 1.2 | Not Detected |
| Chloromethane | 0.88 | Not Detected | 1.8 | Not Detected |
| Vinyl Chloride | 0.18 | Not Detected | 0.45 | Not Detected |
| 1,3-Butadiene | 0.18 | Not Detected | 0.39 | Not Detected |
| Bromomethane | 0.88 | Not Detected | 3.4 | Not Detected |
| Chloroethane | 0.88 | Not Detected | 2.3 | Not Detected |
| Freon 11 | 0.18 | 0.18 | 0.98 | 1.0 |
| Ethanol | 0.88 | 6.7 | 1.6 | 13 |
| Freon 113 | 0.18 | Not Detected | 1.3 | Not Detected |
| 1,1-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Acetone | 0.88 | 6.5 | 2.1 | 16 |
| 2-Propanol | 0.88 | Not Detected | 2.2 | Not Detected |
| Carbon Disulfide | 0.88 | Not Detected | 2.7 | Not Detected |
| 3-Chloropropene | 0.88 | Not Detected | 2.7 | Not Detected |
| Methylene Chloride | 0.35 | Not Detected | 1.2 | Not Detected |
| Methyl tert-butyl ether | 0.18 | Not Detected | 0.63 | Not Detected |
| trans-1,2-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Hexane | 0.18 | Not Detected | 0.62 | Not Detected |
| 1,1-Dichloroethane | 0.18 | Not Detected | 0.71 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.88 | 0.94 | 2.6 | 2.8 |
| cis-1,2-Dichloroethene | 0.18 | Not Detected | 0.69 | Not Detected |
| Tetrahydrofuran | 0.88 | Not Detected | 2.6 | Not Detected |
| Chloroform | 0.18 | Not Detected | 0.85 | Not Detected |
| 1,1,1-Trichloroethane | 0.18 | Not Detected | 0.95 | Not Detected |
| Cyclohexane | 0.18 | Not Detected | 0.60 | Not Detected |
| Carbon Tetrachloride | 0.18 | Not Detected | 1.1 | Not Detected |
| 2,2,4-Trimethylpentane | 0.88 | Not Detected | 4.1 | Not Detected |
| Benzene | 0.18 | Not Detected | 0.56 | Not Detected |
| 1,2-Dichloroethane | 0.18 | Not Detected | 0.71 | Not Detected |
| Heptane | 0.18 | Not Detected | 0.72 | Not Detected |
| Trichloroethene | 0.18 | Not Detected | 0.94 | Not Detected |
| 1,2-Dichloropropane | 0.18 | Not Detected | 0.81 | Not Detected |
| 1,4-Dioxane | 0.18 | Not Detected | 0.63 | Not Detected |
| Bromodichloromethane | 0.18 | Not Detected | 1.2 | Not Detected |
| cis-1,3-Dichloropropene | 0.18 | Not Detected | 0.79 | Not Detected |
| 4-Methyl-2-pentanone | 0.18 | Not Detected | 0.72 | Not Detected |
| Toluene | 0.18 | Not Detected | 0.66 | Not Detected |
| trans-1,3-Dichloropropene | 0.18 | Not Detected | 0.79 | Not Detected |
| 1,1,2-Trichloroethane | 0.18 | Not Detected | 0.95 | Not Detected |
| Tetrachloroethene | 0.18 | Not Detected | 1.2 | Not Detected |
| 2-Hexanone | 0.88 | Not Detected | 3.6 | Not Detected |

eurofins | Air Toxics

**Client Sample ID: U1 (1411016)**

**Lab ID#: 1408016-03A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080620** | **Date of Collection:** | **7/26/14 6:49:00 PM** |
| **Dil. Factor:** | **1.75** | **Date of Analysis:** | **8/7/14 07:12 AM** |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Dibromochloromethane | 0.18 | Not Detected | 1.5 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.18 | Not Detected | 1.3 | Not Detected |
| Chlorobenzene | 0.18 | Not Detected | 0.80 | Not Detected |
| Ethyl Benzene | 0.18 | Not Detected | 0.76 | Not Detected |
| m,p-Xylene | 0.18 | Not Detected | 0.76 | Not Detected |
| o-Xylene | 0.18 | Not Detected | 0.76 | Not Detected |
| Styrene | 0.18 | Not Detected | 0.74 | Not Detected |
| Bromoform | 0.18 | Not Detected | 1.8 | Not Detected |
| Cumene | 0.18 | Not Detected | 0.86 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.18 | Not Detected | 1.2 | Not Detected |
| Propylbenzene | 0.18 | Not Detected | 0.86 | Not Detected |
| 4-Ethyltoluene | 0.18 | Not Detected | 0.86 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.18 | Not Detected | 0.86 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.18 | Not Detected | 0.86 | Not Detected |
| 1,3-Dichlorobenzene | 0.18 | Not Detected | 1.0 | Not Detected |
| 1,4-Dichlorobenzene | 0.18 | Not Detected | 1.0 | Not Detected |
| alpha-Chlorotoluene | 0.18 | Not Detected | 0.90 | Not Detected |
| 1,2-Dichlorobenzene | 0.18 | Not Detected | 1.0 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.88 | Not Detected UJ | 6.5 | Not Detected UJ |
| Hexachlorobutadiene | 0.88 | Not Detected | 9.3 | Not Detected |

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: 6 Liter Summa Canister (100% Certified)**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 106 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: Lab Blank**

**Lab ID#: 1408016-04A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080607** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 11:45 AM** | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Freon 12 | 0.10 | Not Detected | 0.49 | Not Detected |
| Freon 114 | 0.10 | Not Detected | 0.70 | Not Detected |
| Chloromethane | 0.50 | Not Detected | 1.0 | Not Detected |
| Vinyl Chloride | 0.10 | Not Detected | 0.26 | Not Detected |
| 1,3-Butadiene | 0.10 | Not Detected | 0.22 | Not Detected |
| Bromomethane | 0.50 | Not Detected | 1.9 | Not Detected |
| Chloroethane | 0.50 | Not Detected | 1.3 | Not Detected |
| Freon 11 | 0.10 | Not Detected | 0.56 | Not Detected |
| Ethanol | 0.50 | Not Detected | 0.94 | Not Detected |
| Freon 113 | 0.10 | Not Detected | 0.77 | Not Detected |
| 1,1-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Acetone | 0.50 | Not Detected | 1.2 | Not Detected |
| 2-Propanol | 0.50 | Not Detected | 1.2 | Not Detected |
| Carbon Disulfide | 0.50 | Not Detected | 1.6 | Not Detected |
| 3-Chloropropene | 0.50 | Not Detected | 1.6 | Not Detected |
| Methylene Chloride | 0.20 | Not Detected | 0.69 | Not Detected |
| Methyl tert-butyl ether | 0.10 | Not Detected | 0.36 | Not Detected |
| trans-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Hexane | 0.10 | Not Detected | 0.35 | Not Detected |
| 1,1-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| 2-Butanone (Methyl Ethyl Ketone) | 0.50 | Not Detected | 1.5 | Not Detected |
| cis-1,2-Dichloroethene | 0.10 | Not Detected | 0.40 | Not Detected |
| Tetrahydrofuran | 0.50 | Not Detected | 1.5 | Not Detected |
| Chloroform | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,1-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Cyclohexane | 0.10 | Not Detected | 0.34 | Not Detected |
| Carbon Tetrachloride | 0.10 | Not Detected | 0.63 | Not Detected |
| 2,2,4-Trimethylpentane | 0.50 | Not Detected | 2.3 | Not Detected |
| Benzene | 0.10 | Not Detected | 0.32 | Not Detected |
| 1,2-Dichloroethane | 0.10 | Not Detected | 0.40 | Not Detected |
| Heptane | 0.10 | Not Detected | 0.41 | Not Detected |
| Trichloroethene | 0.10 | Not Detected | 0.54 | Not Detected |
| 1,2-Dichloropropane | 0.10 | Not Detected | 0.46 | Not Detected |
| 1,4-Dioxane | 0.10 | Not Detected | 0.36 | Not Detected |
| Bromodichloromethane | 0.10 | Not Detected | 0.67 | Not Detected |
| cis-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 4-Methyl-2-pentanone | 0.10 | Not Detected | 0.41 | Not Detected |
| Toluene | 0.10 | Not Detected | 0.38 | Not Detected |
| trans-1,3-Dichloropropene | 0.10 | Not Detected | 0.45 | Not Detected |
| 1,1,2-Trichloroethane | 0.10 | Not Detected | 0.54 | Not Detected |
| Tetrachloroethene | 0.10 | Not Detected | 0.68 | Not Detected |
| 2-Hexanone | 0.50 | Not Detected | 2.0 | Not Detected |

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**Client Sample ID: Lab Blank**

**Lab ID#: 1408016-04A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080607** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 11:45 AM** | |

| Compound | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---|---|---|---|---|
| Dibromochloromethane | 0.10 | Not Detected | 0.85 | Not Detected |
| 1,2-Dibromoethane (EDB) | 0.10 | Not Detected | 0.77 | Not Detected |
| Chlorobenzene | 0.10 | Not Detected | 0.46 | Not Detected |
| Ethyl Benzene | 0.10 | Not Detected | 0.43 | Not Detected |
| m,p-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| o-Xylene | 0.10 | Not Detected | 0.43 | Not Detected |
| Styrene | 0.10 | Not Detected | 0.42 | Not Detected |
| Bromoform | 0.10 | Not Detected | 1.0 | Not Detected |
| Cumene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,1,2,2-Tetrachloroethane | 0.10 | Not Detected | 0.69 | Not Detected |
| Propylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 4-Ethyltoluene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3,5-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,2,4-Trimethylbenzene | 0.10 | Not Detected | 0.49 | Not Detected |
| 1,3-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,4-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| alpha-Chlorotoluene | 0.10 | Not Detected | 0.52 | Not Detected |
| 1,2-Dichlorobenzene | 0.10 | Not Detected | 0.60 | Not Detected |
| 1,2,4-Trichlorobenzene | 0.50 | Not Detected UJ | 3.7 | Not Detected UJ |
| Hexachlorobutadiene | 0.50 | Not Detected | 5.3 | Not Detected |

UJ = Analyte associated with low bias in the CCV and/or LCS.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 95 | 70-130 |
| Toluene-d8 | 99 | 70-130 |
| 4-Bromofluorobenzene | 100 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 1408016-05A**

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

| | | |
|---|---|---|
| **File Name:** | **c080603** | **Date of Collection: NA** |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 08:37 AM** |

| Compound | %Recovery |
|---|---|
| Freon 12 | 97 |
| Freon 114 | 108 |
| Chloromethane | 76 |
| Vinyl Chloride | 88 |
| 1,3-Butadiene | 88 |
| Bromomethane | 109 |
| Chloroethane | 103 |
| Freon 11 | 103 |
| Ethanol | 90 |
| Freon 113 | 105 |
| 1,1-Dichloroethene | 100 |
| Acetone | 92 |
| 2-Propanol | 107 |
| Carbon Disulfide | 104 |
| 3-Chloropropene | 114 |
| Methylene Chloride | 108 |
| Methyl tert-butyl ether | 104 |
| trans-1,2-Dichloroethene | 112 |
| Hexane | 107 |
| 1,1-Dichloroethane | 104 |
| 2-Butanone (Methyl Ethyl Ketone) | 111 |
| cis-1,2-Dichloroethene | 100 |
| Tetrahydrofuran | 110 |
| Chloroform | 102 |
| 1,1,1-Trichloroethane | 108 |
| Cyclohexane | 107 |
| Carbon Tetrachloride | 130 |
| 2,2,4-Trimethylpentane | 98 |
| Benzene | 98 |
| 1,2-Dichloroethane | 102 |
| Heptane | 100 |
| Trichloroethene | 100 |
| 1,2-Dichloropropane | 98 |
| 1,4-Dioxane | 102 |
| Bromodichloromethane | 103 |
| cis-1,3-Dichloropropene | 100 |
| 4-Methyl-2-pentanone | 100 |
| Toluene | 96 |
| trans-1,3-Dichloropropene | 106 |
| 1,1,2-Trichloroethane | 105 |
| Tetrachloroethene | 112 |
| 2-Hexanone | 102 |

eurofins | Air Toxics

**Client Sample ID: CCV**

**Lab ID#: 1408016-05A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080603** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 08:37 AM** | |

| Compound | %Recovery |
|---|---|
| Dibromochloromethane | 118 |
| 1,2-Dibromoethane (EDB) | 114 |
| Chlorobenzene | 102 |
| Ethyl Benzene | 109 |
| m,p-Xylene | 102 |
| o-Xylene | 107 |
| Styrene | 109 |
| Bromoform | 120 |
| Cumene | 108 |
| 1,1,2,2-Tetrachloroethane | 108 |
| Propylbenzene | 102 |
| 4-Ethyltoluene | 98 |
| 1,3,5-Trimethylbenzene | 92 |
| 1,2,4-Trimethylbenzene | 87 |
| 1,3-Dichlorobenzene | 95 |
| 1,4-Dichlorobenzene | 92 |
| alpha-Chlorotoluene | 94 |
| 1,2-Dichlorobenzene | 85 |
| 1,2,4-Trichlorobenzene | 63 Q |
| Hexachlorobutadiene | 72 |

Q = Exceeds Quality Control limits.

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 108 | 70-130 |
| Toluene-d8 | 97 | 70-130 |
| 4-Bromofluorobenzene | 105 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: LCS**

**Lab ID#: 1408016-06A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080604** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 09:22 AM** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Freon 12 | 93 | 70-130 |
| Freon 114 | 100 | 70-130 |
| Chloromethane | 76 | 70-130 |
| Vinyl Chloride | 85 | 70-130 |
| 1,3-Butadiene | 81 | 70-130 |
| Bromomethane | 106 | 70-130 |
| Chloroethane | 91 | 70-130 |
| Freon 11 | 92 | 70-130 |
| Ethanol | 87 | 70-130 |
| Freon 113 | 104 | 70-130 |
| 1,1-Dichloroethene | 103 | 70-130 |
| Acetone | 103 | 70-130 |
| 2-Propanol | 86 | 70-130 |
| Carbon Disulfide | 88 | 70-130 |
| 3-Chloropropene | 106 | 70-130 |
| Methylene Chloride | 100 | 70-130 |
| Methyl tert-butyl ether | 90 | 70-130 |
| trans-1,2-Dichloroethene | 91 | 70-130 |
| Hexane | 98 | 70-130 |
| 1,1-Dichloroethane | 93 | 70-130 |
| 2-Butanone (Methyl Ethyl Ketone) | 102 | 70-130 |
| cis-1,2-Dichloroethene | 102 | 70-130 |
| Tetrahydrofuran | 99 | 70-130 |
| Chloroform | 92 | 70-130 |
| 1,1,1-Trichloroethane | 97 | 70-130 |
| Cyclohexane | 102 | 70-130 |
| Carbon Tetrachloride | 110 | 70-130 |
| 2,2,4-Trimethylpentane | 97 | 70-130 |
| Benzene | 97 | 70-130 |
| 1,2-Dichloroethane | 98 | 70-130 |
| Heptane | 100 | 70-130 |
| Trichloroethene | 99 | 70-130 |
| 1,2-Dichloropropane | 93 | 70-130 |
| 1,4-Dioxane | 93 | 70-130 |
| Bromodichloromethane | 99 | 70-130 |
| cis-1,3-Dichloropropene | 100 | 70-130 |
| 4-Methyl-2-pentanone | 92 | 70-130 |
| Toluene | 95 | 70-130 |
| trans-1,3-Dichloropropene | 89 | 70-130 |
| 1,1,2-Trichloroethane | 91 | 70-130 |
| Tetrachloroethene | 102 | 70-130 |
| 2-Hexanone | 75 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: LCS**

**Lab ID#: 1408016-06A**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080604** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 09:22 AM** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Dibromochloromethane | 106 | 70-130 |
| 1,2-Dibromoethane (EDB) | 99 | 70-130 |
| Chlorobenzene | 95 | 70-130 |
| Ethyl Benzene | 99 | 70-130 |
| m,p-Xylene | 96 | 70-130 |
| o-Xylene | 97 | 70-130 |
| Styrene | 102 | 70-130 |
| Bromoform | 112 | 70-130 |
| Cumene | 104 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 97 | 70-130 |
| Propylbenzene | 96 | 70-130 |
| 4-Ethyltoluene | 95 | 70-130 |
| 1,3,5-Trimethylbenzene | 93 | 70-130 |
| 1,2,4-Trimethylbenzene | 84 | 70-130 |
| 1,3-Dichlorobenzene | 95 | 70-130 |
| 1,4-Dichlorobenzene | 92 | 70-130 |
| alpha-Chlorotoluene | 101 | 70-130 |
| 1,2-Dichlorobenzene | 87 | 70-130 |
| 1,2,4-Trichlorobenzene | 85 | 70-130 |
| Hexachlorobutadiene | 83 | 70-130 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 98 | 70-130 |
| Toluene-d8 | 100 | 70-130 |
| 4-Bromofluorobenzene | 104 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: LCSD**

**Lab ID#: 1408016-06AA**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080605** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 10:06 AM** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Freon 12 | 86 | 70-130 |
| Freon 114 | 94 | 70-130 |
| Chloromethane | 80 | 70-130 |
| Vinyl Chloride | 85 | 70-130 |
| 1,3-Butadiene | 81 | 70-130 |
| Bromomethane | 104 | 70-130 |
| Chloroethane | 87 | 70-130 |
| Freon 11 | 90 | 70-130 |
| Ethanol | 80 | 70-130 |
| Freon 113 | 103 | 70-130 |
| 1,1-Dichloroethene | 98 | 70-130 |
| Acetone | 96 | 70-130 |
| 2-Propanol | 84 | 70-130 |
| Carbon Disulfide | 86 | 70-130 |
| 3-Chloropropene | 97 | 70-130 |
| Methylene Chloride | 104 | 70-130 |
| Methyl tert-butyl ether | 89 | 70-130 |
| trans-1,2-Dichloroethene | 80 | 70-130 |
| Hexane | 97 | 70-130 |
| 1,1-Dichloroethane | 95 | 70-130 |
| 2-Butanone (Methyl Ethyl Ketone) | 103 | 70-130 |
| cis-1,2-Dichloroethene | 100 | 70-130 |
| Tetrahydrofuran | 96 | 70-130 |
| Chloroform | 91 | 70-130 |
| 1,1,1-Trichloroethane | 94 | 70-130 |
| Cyclohexane | 99 | 70-130 |
| Carbon Tetrachloride | 108 | 70-130 |
| 2,2,4-Trimethylpentane | 93 | 70-130 |
| Benzene | 94 | 70-130 |
| 1,2-Dichloroethane | 93 | 70-130 |
| Heptane | 94 | 70-130 |
| Trichloroethene | 96 | 70-130 |
| 1,2-Dichloropropane | 92 | 70-130 |
| 1,4-Dioxane | 92 | 70-130 |
| Bromodichloromethane | 99 | 70-130 |
| cis-1,3-Dichloropropene | 99 | 70-130 |
| 4-Methyl-2-pentanone | 88 | 70-130 |
| Toluene | 92 | 70-130 |
| trans-1,3-Dichloropropene | 90 | 70-130 |
| 1,1,2-Trichloroethane | 91 | 70-130 |
| Tetrachloroethene | 101 | 70-130 |
| 2-Hexanone | 80 | 70-130 |

eurofins | Air Toxics

**Client Sample ID: LCSD**

**Lab ID#: 1408016-06AA**

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

| | | | |
|---|---|---|---|
| **File Name:** | **c080605** | **Date of Collection: NA** | |
| **Dil. Factor:** | **1.00** | **Date of Analysis: 8/6/14 10:06 AM** | |

| Compound | %Recovery | Method Limits |
|---|---|---|
| Dibromochloromethane | 108 | 70-130 |
| 1,2-Dibromoethane (EDB) | 105 | 70-130 |
| Chlorobenzene | 94 | 70-130 |
| Ethyl Benzene | 100 | 70-130 |
| m,p-Xylene | 92 | 70-130 |
| o-Xylene | 90 | 70-130 |
| Styrene | 98 | 70-130 |
| Bromoform | 115 | 70-130 |
| Cumene | 96 | 70-130 |
| 1,1,2,2-Tetrachloroethane | 95 | 70-130 |
| Propylbenzene | 86 | 70-130 |
| 4-Ethyltoluene | 86 | 70-130 |
| 1,3,5-Trimethylbenzene | 82 | 70-130 |
| 1,2,4-Trimethylbenzene | 75 | 70-130 |
| 1,3-Dichlorobenzene | 85 | 70-130 |
| 1,4-Dichlorobenzene | 83 | 70-130 |
| alpha-Chlorotoluene | 94 | 70-130 |
| 1,2-Dichlorobenzene | 76 | 70-130 |
| 1,2,4-Trichlorobenzene | 79 | 70-130 |
| Hexachlorobutadiene | 75 | 70-130 |

**Container Type: NA - Not Applicable**

| Surrogates | %Recovery | Method Limits |
|---|---|---|
| 1,2-Dichloroethane-d4 | 94 | 70-130 |
| Toluene-d8 | 98 | 70-130 |
| 4-Bromofluorobenzene | 101 | 70-130 |