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

Page 1 of 1

Project Manager Dan Norris

Collected by: (Print and Sign) Dan Norris

Company Missouri DNR

Email dan.norris@dnr.mo.gov

Address P.O. Box 176 City T Jefferson City State Mo Zip 65102

Phone 573-526-3915 Fax _____

Project Info:

P.O. # _____

Project # _____

Project Name Briggerton Landfill

Turn Around Time:

Normal

Rush

Lab Use Only
 Pressurized by: _____

Date: _____

Pressurization Gas: _____

specify N₂ 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 (ps)

O1A D1 (132113) 34391 10/16/13 1213-1739 T0-15 -25 -4.5

O2A D2 (132114) 31435 10/16/13 1237-1237-1237-1237 T0-15 -30 -6

O3A U1 (132115) 14012 10/16/13 1337-1831 T0-15 -30 -6.75

O4A U2 (132116) 96109 10/16/13 1347-1850 T0-15 -24.5 -5.5

Relinquished by: (signature) [Signature] Date/Time 10/17/13 0916

Received by: (signature) [Signature] Date/Time 10/21/13

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time 1020

Notes: Sent via UPS ground. Tracking # 1Z26727880343065150

Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) _____ Date/Time _____

Lab Shipper Name

Air Bill #

Temp (°C)

Condition

Quietly Seals Intact?

Work Order #

Lab Use Only UPS

NA

good

Yes

No

None

1310470

10/29/2013

Ms. Celeste Koon
Missouri Dept. of Natural Resources
2710 West Main

Jefferson City MO 65109

Project Name: Bridgeton Landfill

Project #:

Workorder #: 1310314

Dear Ms. Celeste Koon

The following report includes the data for the above referenced project for sample(s) received on 10/15/2013 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: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Kelly Buettner
Project Manager

WORK ORDER #: 1310314

Work Order Summary

CLIENT:	Ms. Celeste Koon Missouri Dept. of Natural Resources 2710 West Main Jefferson City, MO 65109	BILL TO:	Accounts Payable Missouri Dept. of Natural Resources P.O Box 176 Jefferson City, MO 65102
PHONE:	573-526-3363	P.O. #	3ESP1301039
FAX:	573-526-3350	PROJECT #	Bridgeton Landfill
DATE RECEIVED:	10/15/2013	CONTACT:	Kelly Buettner
DATE COMPLETED:	10/29/2013		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	D1 (132089)	Modified TO-15	6.0 "Hg	5 psi
02A	D2 (132090)	Modified TO-15	6.5 "Hg	5 psi
03A	U1 (132091)	Modified TO-15	7.5 "Hg	5 psi
04A	U2 (132092)	Modified TO-15	7.0 "Hg	5 psi
05A	Lab Blank	Modified TO-15	NA	NA
05B	Lab Blank	Modified TO-15	NA	NA
05C	Lab Blank	Modified TO-15	NA	NA
06A	CCV	Modified TO-15	NA	NA
06B	CCV	Modified TO-15	NA	NA
06C	CCV	Modified TO-15	NA	NA
07A	LCS	Modified TO-15	NA	NA
07AA	LCSD	Modified TO-15	NA	NA
07B	LCS	Modified TO-15	NA	NA
07BB	LCSD	Modified TO-15	NA	NA
07C	LCS	Modified TO-15	NA	NA
07CC	LCSD	Modified TO-15	NA	NA

CERTIFIED BY: 
 Technical Director

DATE: 10/29/13

Certification numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NJ NELAP - CA016, NY NELAP - 11291,
 TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, VA NELAP - 460197, WA NELAP - C935
 Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
 Accreditation number: CA300005, Effective date: 10/18/2012, Expiration date: 10/17/2013.

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

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LABORATORY NARRATIVE
Modified TO-15
Missouri Dept. of Natural Resources
Workorder# 1310314

Four 6 Liter Summa Canister (100% Certified) samples were received on October 15, 2013. 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.

<i>Requirement</i>	<i>TO-15</i>	<i>ATL Modifications</i>
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

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

Client Sample ID: D1 (132089)

Lab ID#: 1310314-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.50	0.83	2.5
Freon 11	0.17	0.28	0.94	1.6
Ethanol	0.84	3.2	1.6	6.0
Acetone	0.84	3.8	2.0	9.1
Heptane	0.17	0.18	0.69	0.72
Toluene	0.17	0.93	0.63	3.5

Client Sample ID: D2 (132090)

Lab ID#: 1310314-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.49	0.84	2.4
Freon 11	0.17	0.27	0.96	1.5
Ethanol	0.86	3.0	1.6	5.6
Acetone	0.86	4.1	2.0	9.7
Heptane	0.17	0.20	0.70	0.83
Toluene	0.17	1.0	0.64	4.0

Client Sample ID: U1 (132091)

Lab ID#: 1310314-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.55	0.88	2.7
Freon 11	0.18	0.25	1.0	1.4
Ethanol	0.90	3.5	1.7	6.5
Acetone	0.90	5.8	2.1	14
Hexane	0.18	0.31	0.63	1.1
Benzene	0.18	0.19	0.57	0.61
Toluene	0.18	1.4	0.67	5.5
m,p-Xylene	0.18	0.28	0.78	1.2

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

Client Sample ID: U2 (132092)

Lab ID#: 1310314-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.44	0.86	2.2
Freon 11	0.18	0.20	0.98	1.1
Ethanol	0.88	3.4	1.6	6.3
Acetone	0.88	3.6	2.1	8.6
Hexane	0.18	0.17 J	0.62	0.62 J
Toluene	0.18	0.32	0.66	1.2



Air Toxics

Client Sample ID: D1 (132089)

Lab ID#: 1310314-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102517	Date of Collection:	10/9/13 4:25:00 PM
Dil. Factor:	1.68	Date of Analysis:	10/26/13 09:09 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.50	0.83	2.5
Freon 114	0.17	Not Detected	1.2	Not Detected
Chloromethane	0.84	Not Detected	1.7	Not Detected
Vinyl Chloride	0.17	Not Detected	0.43	Not Detected
1,3-Butadiene	0.17	Not Detected	0.37	Not Detected
Bromomethane	0.84	Not Detected	3.3	Not Detected
Chloroethane	0.84	Not Detected	2.2	Not Detected
Freon 11	0.17	0.28	0.94	1.6
Ethanol	0.84	3.2	1.6	6.0
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Acetone	0.84	3.8	2.0	9.1
2-Propanol	0.84	Not Detected	2.1	Not Detected
Carbon Disulfide	0.84	Not Detected	2.6	Not Detected
3-Chloropropene	0.84	Not Detected	2.6	Not Detected
Methylene Chloride	0.34	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.17	Not Detected	0.60	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Hexane	0.17	Not Detected	0.59	Not Detected
1,1-Dichloroethane	0.17	Not Detected	0.68	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.84	Not Detected	2.5	Not Detected
cis-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected
Tetrahydrofuran	0.84	Not Detected	2.5	Not Detected
Chloroform	0.17	Not Detected	0.82	Not Detected
1,1,1-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Cyclohexane	0.17	Not Detected	0.58	Not Detected
Carbon Tetrachloride	0.17	Not Detected	1.0	Not Detected
2,2,4-Trimethylpentane	0.84	Not Detected	3.9	Not Detected
Benzene	0.17	Not Detected	0.54	Not Detected
1,2-Dichloroethane	0.17	Not Detected	0.68	Not Detected
Heptane	0.17	0.18	0.69	0.72
Trichloroethene	0.17	Not Detected	0.90	Not Detected
1,2-Dichloropropane	0.17	Not Detected	0.78	Not Detected
1,4-Dioxane	0.17	Not Detected	0.60	Not Detected
Bromodichloromethane	0.17	Not Detected	1.1	Not Detected
cis-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
4-Methyl-2-pentanone	0.17	Not Detected	0.69	Not Detected
Toluene	0.17	0.93	0.63	3.5
trans-1,3-Dichloropropene	0.17	Not Detected	0.76	Not Detected
1,1,2-Trichloroethane	0.17	Not Detected	0.92	Not Detected
Tetrachloroethene	0.17	Not Detected	1.1	Not Detected
2-Hexanone	0.84	Not Detected	3.4	Not Detected

Client Sample ID: D1 (132089)

Lab ID#: 1310314-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102517	Date of Collection:	10/9/13 4:25:00 PM
Dil. Factor:	1.68	Date of Analysis:	10/26/13 09:09 AM

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	0.77	Not Detected
Ethyl Benzene	0.17	Not Detected	0.73	Not Detected
m,p-Xylene	0.17	Not Detected	0.73	Not Detected
o-Xylene	0.17	Not Detected	0.73	Not Detected
Styrene	0.17	Not Detected	0.72	Not Detected
Bromoform	0.17	Not Detected	1.7	Not Detected
Cumene	0.17	Not Detected	0.82	Not Detected
1,1,2,2-Tetrachloroethane	0.17	Not Detected	1.2	Not Detected
Propylbenzene	0.17	Not Detected	0.82	Not Detected
4-Ethyltoluene	0.17	Not Detected	0.82	Not Detected
1,3,5-Trimethylbenzene	0.17	Not Detected	0.82	Not Detected
1,2,4-Trimethylbenzene	0.17	Not Detected	0.82	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	0.87	Not Detected
1,2-Dichlorobenzene	0.17	Not Detected	1.0	Not Detected
1,2,4-Trichlorobenzene	0.84	Not Detected	6.2	Not Detected
Hexachlorobutadiene	0.84	Not Detected	9.0	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	112	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	90	70-130



Air Toxics

Client Sample ID: D2 (132090)

Lab ID#: 1310314-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102518	Date of Collection:	10/9/13 4:17:00 PM
Dil. Factor:	1.71	Date of Analysis:	10/26/13 09:45 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.17	0.49	0.84	2.4
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	0.27	0.96	1.5
Ethanol	0.86	3.0	1.6	5.6
Freon 113	0.17	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.17	Not Detected	0.68	Not Detected
Acetone	0.86	4.1	2.0	9.7
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	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	0.60	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	0.20	0.70	0.83
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	1.0	0.64	4.0
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



Client Sample ID: D2 (132090)

Lab ID#: 1310314-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102518	Date of Collection:	10/9/13 4:17:00 PM
Dil. Factor:	1.71	Date of Analysis:	10/26/13 09:45 AM

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	6.3	Not Detected
Hexachlorobutadiene	0.86	Not Detected	9.1	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	97	70-130
4-Bromofluorobenzene	91	70-130



Air Toxics

Client Sample ID: U1 (132091)

Lab ID#: 1310314-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102807	Date of Collection:	10/9/13 4:00:00 PM
Dil. Factor:	1.79	Date of Analysis:	10/28/13 01:49 PM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.55	0.88	2.7
Freon 114	0.18	Not Detected	1.2	Not Detected
Chloromethane	0.90	Not Detected	1.8	Not Detected
Vinyl Chloride	0.18	Not Detected	0.46	Not Detected
1,3-Butadiene	0.18	Not Detected	0.40	Not Detected
Bromomethane	0.90	Not Detected	3.5	Not Detected
Chloroethane	0.90	Not Detected	2.4	Not Detected
Freon 11	0.18	0.25	1.0	1.4
Ethanol	0.90	3.5	1.7	6.5
Freon 113	0.18	Not Detected	1.4	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Acetone	0.90	5.8	2.1	14
2-Propanol	0.90	Not Detected	2.2	Not Detected
Carbon Disulfide	0.90	Not Detected	2.8	Not Detected
3-Chloropropene	0.90	Not Detected	2.8	Not Detected
Methylene Chloride	0.36	Not Detected	1.2	Not Detected
Methyl tert-butyl ether	0.18	Not Detected	0.64	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Hexane	0.18	0.31	0.63	1.1
1,1-Dichloroethane	0.18	Not Detected	0.72	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.90	Not Detected	2.6	Not Detected
cis-1,2-Dichloroethene	0.18	Not Detected	0.71	Not Detected
Tetrahydrofuran	0.90	Not Detected	2.6	Not Detected
Chloroform	0.18	Not Detected	0.87	Not Detected
1,1,1-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Cyclohexane	0.18	Not Detected	0.62	Not Detected
Carbon Tetrachloride	0.18	Not Detected	1.1	Not Detected
2,2,4-Trimethylpentane	0.90	Not Detected	4.2	Not Detected
Benzene	0.18	0.19	0.57	0.61
1,2-Dichloroethane	0.18	Not Detected	0.72	Not Detected
Heptane	0.18	Not Detected	0.73	Not Detected
Trichloroethene	0.18	Not Detected	0.96	Not Detected
1,2-Dichloropropane	0.18	Not Detected	0.83	Not Detected
1,4-Dioxane	0.18	Not Detected	0.64	Not Detected
Bromodichloromethane	0.18	Not Detected	1.2	Not Detected
cis-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
4-Methyl-2-pentanone	0.18	Not Detected	0.73	Not Detected
Toluene	0.18	1.4	0.67	5.5
trans-1,3-Dichloropropene	0.18	Not Detected	0.81	Not Detected
1,1,2-Trichloroethane	0.18	Not Detected	0.98	Not Detected
Tetrachloroethene	0.18	Not Detected	1.2	Not Detected
2-Hexanone	0.90	Not Detected	3.7	Not Detected

Client Sample ID: U1 (132091)

Lab ID#: 1310314-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102807	Date of Collection: 10/9/13 4:00:00 PM
Dil. Factor:	1.79	Date of Analysis: 10/28/13 01:49 PM

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	1.4	Not Detected
Chlorobenzene	0.18	Not Detected	0.82	Not Detected
Ethyl Benzene	0.18	Not Detected	0.78	Not Detected
m,p-Xylene	0.18	0.28	0.78	1.2
o-Xylene	0.18	Not Detected	0.78	Not Detected
Styrene	0.18	Not Detected	0.76	Not Detected
Bromoform	0.18	Not Detected	1.8	Not Detected
Cumene	0.18	Not Detected	0.88	Not Detected
1,1,2,2-Tetrachloroethane	0.18	Not Detected	1.2	Not Detected
Propylbenzene	0.18	Not Detected	0.88	Not Detected
4-Ethyltoluene	0.18	Not Detected	0.88	Not Detected
1,3,5-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,2,4-Trimethylbenzene	0.18	Not Detected	0.88	Not Detected
1,3-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,4-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
alpha-Chlorotoluene	0.18	Not Detected	0.93	Not Detected
1,2-Dichlorobenzene	0.18	Not Detected	1.1	Not Detected
1,2,4-Trichlorobenzene	0.90	Not Detected	6.6	Not Detected
Hexachlorobutadiene	0.90	Not Detected	9.5	Not Detected

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	88	70-130



Air Toxics

Client Sample ID: U2 (132092)

Lab ID#: 1310314-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102521	Date of Collection:	10/9/13 4:35:00 PM
Dil. Factor:	1.75	Date of Analysis:	10/26/13 10:57 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.18	0.44	0.86	2.2
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	0.20	0.98	1.1
Ethanol	0.88	3.4	1.6	6.3
Freon 113	0.18	Not Detected	1.3	Not Detected
1,1-Dichloroethene	0.18	Not Detected	0.69	Not Detected
Acetone	0.88	3.6	2.1	8.6
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	0.17 J	0.62	0.62 J
1,1-Dichloroethane	0.18	Not Detected	0.71	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.88	Not Detected	2.6	Not Detected
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	0.32	0.66	1.2
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



Client Sample ID: U2 (132092)

Lab ID#: 1310314-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102521	Date of Collection:	10/9/13 4:35:00 PM
Dil. Factor:	1.75	Date of Analysis:	10/26/13 10:57 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	6.5	Not Detected
Hexachlorobutadiene	0.88	Not Detected	9.3	Not Detected

J = Estimated value.

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

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	90	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310314-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102507	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/25/13 02:30 PM

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

Client Sample ID: Lab Blank

Lab ID#: 1310314-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102507	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/25/13 02:30 PM

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	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	93	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310314-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102507	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/25/13 03:09 PM

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

Client Sample ID: Lab Blank

Lab ID#: 1310314-05B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102507	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/25/13 03:09 PM

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	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	100	70-130



Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1310314-05C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102806	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/28/13 12:12 PM

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

Client Sample ID: Lab Blank

Lab ID#: 1310314-05C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102806	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 12:12 PM

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	3.7	Not Detected
Hexachlorobutadiene	0.50	Not Detected	5.3	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	108	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	89	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310314-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 10:40 AM

Compound	%Recovery
Freon 12	107
Freon 114	102
Chloromethane	87
Vinyl Chloride	93
1,3-Butadiene	96
Bromomethane	97
Chloroethane	99
Freon 11	104
Ethanol	90
Freon 113	88
1,1-Dichloroethene	87
Acetone	94
2-Propanol	103
Carbon Disulfide	109
3-Chloropropene	134 Q
Methylene Chloride	80
Methyl tert-butyl ether	102
trans-1,2-Dichloroethene	108
Hexane	98
1,1-Dichloroethane	99
2-Butanone (Methyl Ethyl Ketone)	92
cis-1,2-Dichloroethene	94
Tetrahydrofuran	96
Chloroform	98
1,1,1-Trichloroethane	104
Cyclohexane	95
Carbon Tetrachloride	117
2,2,4-Trimethylpentane	97
Benzene	94
1,2-Dichloroethane	107
Heptane	101
Trichloroethene	99
1,2-Dichloropropane	95
1,4-Dioxane	95
Bromodichloromethane	99
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	104
Toluene	98
trans-1,3-Dichloropropene	110
1,1,2-Trichloroethane	100
Tetrachloroethene	108
2-Hexanone	106

Client Sample ID: CCV

Lab ID#: 1310314-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 10:40 AM

Compound	%Recovery
Dibromochloromethane	106
1,2-Dibromoethane (EDB)	110
Chlorobenzene	100
Ethyl Benzene	109
m,p-Xylene	109
o-Xylene	110
Styrene	117
Bromoform	114
Cumene	108
1,1,2,2-Tetrachloroethane	109
Propylbenzene	108
4-Ethyltoluene	102
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	101
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	82
Hexachlorobutadiene	80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310314-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 11:44 AM

Compound	%Recovery
Freon 12	96
Freon 114	106
Chloromethane	89
Vinyl Chloride	91
1,3-Butadiene	83
Bromomethane	89
Chloroethane	93
Freon 11	91
Ethanol	88
Freon 113	92
1,1-Dichloroethene	84
Acetone	85
2-Propanol	88
Carbon Disulfide	111
3-Chloropropene	112
Methylene Chloride	86
Methyl tert-butyl ether	95
trans-1,2-Dichloroethene	106
Hexane	81
1,1-Dichloroethane	86
2-Butanone (Methyl Ethyl Ketone)	98
cis-1,2-Dichloroethene	96
Tetrahydrofuran	81
Chloroform	92
1,1,1-Trichloroethane	94
Cyclohexane	92
Carbon Tetrachloride	108
2,2,4-Trimethylpentane	85
Benzene	94
1,2-Dichloroethane	87
Heptane	86
Trichloroethene	106
1,2-Dichloropropane	89
1,4-Dioxane	99
Bromodichloromethane	94
cis-1,3-Dichloropropene	99
4-Methyl-2-pentanone	82
Toluene	96
trans-1,3-Dichloropropene	102
1,1,2-Trichloroethane	96
Tetrachloroethene	108
2-Hexanone	92

Client Sample ID: CCV

Lab ID#: 1310314-06B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102502	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 11:44 AM

Compound	%Recovery
Dibromochloromethane	105
1,2-Dibromoethane (EDB)	106
Chlorobenzene	103
Ethyl Benzene	101
m,p-Xylene	101
o-Xylene	100
Styrene	105
Bromoform	112
Cumene	99
1,1,2,2-Tetrachloroethane	103
Propylbenzene	94
4-Ethyltoluene	92
1,3,5-Trimethylbenzene	96
1,2,4-Trimethylbenzene	92
1,3-Dichlorobenzene	100
1,4-Dichlorobenzene	93
alpha-Chlorotoluene	90
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	89

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	94	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	105	70-130



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310314-06C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 09:10 AM

Compound	%Recovery
Freon 12	109
Freon 114	107
Chloromethane	101
Vinyl Chloride	99
1,3-Butadiene	103
Bromomethane	102
Chloroethane	101
Freon 11	108
Ethanol	100
Freon 113	91
1,1-Dichloroethene	91
Acetone	96
2-Propanol	107
Carbon Disulfide	112
3-Chloropropene	132 Q
Methylene Chloride	82
Methyl tert-butyl ether	106
trans-1,2-Dichloroethene	106
Hexane	103
1,1-Dichloroethane	102
2-Butanone (Methyl Ethyl Ketone)	97
cis-1,2-Dichloroethene	97
Tetrahydrofuran	101
Chloroform	103
1,1,1-Trichloroethane	110
Cyclohexane	102
Carbon Tetrachloride	125
2,2,4-Trimethylpentane	104
Benzene	98
1,2-Dichloroethane	115
Heptane	106
Trichloroethene	103
1,2-Dichloropropane	102
1,4-Dioxane	98
Bromodichloromethane	107
cis-1,3-Dichloropropene	106
4-Methyl-2-pentanone	110
Toluene	102
trans-1,3-Dichloropropene	115
1,1,2-Trichloroethane	104
Tetrachloroethene	114
2-Hexanone	109



Air Toxics

Client Sample ID: CCV

Lab ID#: 1310314-06C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102802	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 09:10 AM

Compound	%Recovery
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	112
Chlorobenzene	105
Ethyl Benzene	112
m,p-Xylene	113
o-Xylene	114
Styrene	121
Bromoform	116
Cumene	112
1,1,2,2-Tetrachloroethane	110
Propylbenzene	111
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	109
1,2,4-Trimethylbenzene	108
1,3-Dichlorobenzene	108
1,4-Dichlorobenzene	109
alpha-Chlorotoluene	106
1,2-Dichlorobenzene	108
1,2,4-Trichlorobenzene	81
Hexachlorobutadiene	80

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	111	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	106	70-130

Client Sample ID: LCS

Lab ID#: 1310314-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 11:20 AM

Compound	%Recovery	Method Limits
Freon 12	105	70-130
Freon 114	102	70-130
Chloromethane	99	70-130
Vinyl Chloride	95	70-130
1,3-Butadiene	99	70-130
Bromomethane	108	70-130
Chloroethane	103	70-130
Freon 11	107	70-130
Ethanol	98	70-130
Freon 113	103	70-130
1,1-Dichloroethene	103	70-130
Acetone	96	70-130
2-Propanol	104	70-130
Carbon Disulfide	117	70-130
3-Chloropropene	139 Q	70-130
Methylene Chloride	86	70-130
Methyl tert-butyl ether	101	70-130
trans-1,2-Dichloroethene	110	70-130
Hexane	102	70-130
1,1-Dichloroethane	99	70-130
2-Butanone (Methyl Ethyl Ketone)	97	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	97	70-130
Chloroform	100	70-130
1,1,1-Trichloroethane	103	70-130
Cyclohexane	104	70-130
Carbon Tetrachloride	112	70-130
2,2,4-Trimethylpentane	96	70-130
Benzene	94	70-130
1,2-Dichloroethane	101	70-130
Heptane	102	70-130
Trichloroethene	98	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	96	70-130
Bromodichloromethane	101	70-130
cis-1,3-Dichloropropene	99	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	99	70-130
1,1,2-Trichloroethane	92	70-130
Tetrachloroethene	102	70-130
2-Hexanone	103	70-130

Client Sample ID: LCS

Lab ID#: 1310314-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 11:20 AM

Compound	%Recovery	Method Limits
Dibromochloromethane	101	70-130
1,2-Dibromoethane (EDB)	102	70-130
Chlorobenzene	94	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	104	70-130
o-Xylene	104	70-130
Styrene	110	70-130
Bromoform	105	70-130
Cumene	106	70-130
1,1,2,2-Tetrachloroethane	97	70-130
Propylbenzene	105	70-130
4-Ethyltoluene	100	70-130
1,3,5-Trimethylbenzene	100	70-130
1,2,4-Trimethylbenzene	103	70-130
1,3-Dichlorobenzene	99	70-130
1,4-Dichlorobenzene	99	70-130
alpha-Chlorotoluene	99	70-130
1,2-Dichlorobenzene	104	70-130
1,2,4-Trichlorobenzene	86	70-130
Hexachlorobutadiene	76	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	106	70-130



Air Toxics

Client Sample ID: LCS D

Lab ID#: 1310314-07AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 12:01 PM

Compound	%Recovery	Method Limits
Freon 12	101	70-130
Freon 114	99	70-130
Chloromethane	85	70-130
Vinyl Chloride	92	70-130
1,3-Butadiene	98	70-130
Bromomethane	102	70-130
Chloroethane	103	70-130
Freon 11	104	70-130
Ethanol	92	70-130
Freon 113	100	70-130
1,1-Dichloroethene	101	70-130
Acetone	98	70-130
2-Propanol	102	70-130
Carbon Disulfide	117	70-130
3-Chloropropene	134 Q	70-130
Methylene Chloride	84	70-130
Methyl tert-butyl ether	100	70-130
trans-1,2-Dichloroethene	108	70-130
Hexane	98	70-130
1,1-Dichloroethane	98	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	95	70-130
Tetrahydrofuran	96	70-130
Chloroform	98	70-130
1,1,1-Trichloroethane	101	70-130
Cyclohexane	99	70-130
Carbon Tetrachloride	110	70-130
2,2,4-Trimethylpentane	91	70-130
Benzene	96	70-130
1,2-Dichloroethane	106	70-130
Heptane	102	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	96	70-130
Bromodichloromethane	103	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	96	70-130
trans-1,3-Dichloropropene	106	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	107	70-130
2-Hexanone	104	70-130



Client Sample ID: LCSD

Lab ID#: 1310314-07AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 12:01 PM

Compound	%Recovery	Method Limits
Dibromochloromethane	108	70-130
1,2-Dibromoethane (EDB)	107	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	100	70-130
m,p-Xylene	100	70-130
o-Xylene	97	70-130
Styrene	105	70-130
Bromoform	109	70-130
Cumene	101	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	99	70-130
4-Ethyltoluene	93	70-130
1,3,5-Trimethylbenzene	100	70-130
1,2,4-Trimethylbenzene	103	70-130
1,3-Dichlorobenzene	94	70-130
1,4-Dichlorobenzene	93	70-130
alpha-Chlorotoluene	91	70-130
1,2-Dichlorobenzene	98	70-130
1,2,4-Trichlorobenzene	100	70-130
Hexachlorobutadiene	82	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	101	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1310314-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 12:24 PM

Compound	%Recovery	Method Limits
Freon 12	92	70-130
Freon 114	103	70-130
Chloromethane	85	70-130
Vinyl Chloride	88	70-130
1,3-Butadiene	79	70-130
Bromomethane	88	70-130
Chloroethane	89	70-130
Freon 11	88	70-130
Ethanol	82	70-130
Freon 113	99	70-130
1,1-Dichloroethene	95	70-130
Acetone	82	70-130
2-Propanol	84	70-130
Carbon Disulfide	113	70-130
3-Chloropropene	106	70-130
Methylene Chloride	91	70-130
Methyl tert-butyl ether	93	70-130
trans-1,2-Dichloroethene	106	70-130
Hexane	78	70-130
1,1-Dichloroethane	85	70-130
2-Butanone (Methyl Ethyl Ketone)	94	70-130
cis-1,2-Dichloroethene	94	70-130
Tetrahydrofuran	77	70-130
Chloroform	90	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	92	70-130
Carbon Tetrachloride	73	70-130
2,2,4-Trimethylpentane	79	70-130
Benzene	94	70-130
1,2-Dichloroethane	86	70-130
Heptane	85	70-130
Trichloroethene	106	70-130
1,2-Dichloropropane	88	70-130
1,4-Dioxane	101	70-130
Bromodichloromethane	95	70-130
cis-1,3-Dichloropropene	96	70-130
4-Methyl-2-pentanone	83	70-130
Toluene	93	70-130
trans-1,3-Dichloropropene	97	70-130
1,1,2-Trichloroethane	95	70-130
Tetrachloroethene	106	70-130
2-Hexanone	92	70-130

Client Sample ID: LCS

Lab ID#: 1310314-07B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102503	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 12:24 PM

Compound	%Recovery	Method Limits
Dibromochloromethane	104	70-130
1,2-Dibromoethane (EDB)	104	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	98	70-130
m,p-Xylene	97	70-130
o-Xylene	97	70-130
Styrene	99	70-130
Bromoform	106	70-130
Cumene	100	70-130
1,1,2,2-Tetrachloroethane	98	70-130
Propylbenzene	94	70-130
4-Ethyltoluene	93	70-130
1,3,5-Trimethylbenzene	88	70-130
1,2,4-Trimethylbenzene	82	70-130
1,3-Dichlorobenzene	95	70-130
1,4-Dichlorobenzene	87	70-130
alpha-Chlorotoluene	84	70-130
1,2-Dichlorobenzene	92	70-130
1,2,4-Trichlorobenzene	85	70-130
Hexachlorobutadiene	82	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	82	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	107	70-130



Air Toxics

Client Sample ID: LCS D

Lab ID#: 1310314-07BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102504	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	10/25/13 01:00 PM

Compound	%Recovery	Method Limits
Freon 12	87	70-130
Freon 114	98	70-130
Chloromethane	80	70-130
Vinyl Chloride	84	70-130
1,3-Butadiene	77	70-130
Bromomethane	87	70-130
Chloroethane	87	70-130
Freon 11	86	70-130
Ethanol	79	70-130
Freon 113	96	70-130
1,1-Dichloroethene	93	70-130
Acetone	79	70-130
2-Propanol	80	70-130
Carbon Disulfide	110	70-130
3-Chloropropene	103	70-130
Methylene Chloride	88	70-130
Methyl tert-butyl ether	90	70-130
trans-1,2-Dichloroethene	106	70-130
Hexane	76	70-130
1,1-Dichloroethane	82	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	93	70-130
Tetrahydrofuran	74	70-130
Chloroform	87	70-130
1,1,1-Trichloroethane	88	70-130
Cyclohexane	90	70-130
Carbon Tetrachloride	71	70-130
2,2,4-Trimethylpentane	76	70-130
Benzene	96	70-130
1,2-Dichloroethane	87	70-130
Heptane	84	70-130
Trichloroethene	105	70-130
1,2-Dichloropropane	90	70-130
1,4-Dioxane	102	70-130
Bromodichloromethane	98	70-130
cis-1,3-Dichloropropene	98	70-130
4-Methyl-2-pentanone	81	70-130
Toluene	94	70-130
trans-1,3-Dichloropropene	96	70-130
1,1,2-Trichloroethane	94	70-130
Tetrachloroethene	102	70-130
2-Hexanone	89	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1310314-07BB

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	v102504	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/25/13 01:00 PM

Compound	%Recovery	Method Limits
Dibromochloromethane	104	70-130
1,2-Dibromoethane (EDB)	105	70-130
Chlorobenzene	97	70-130
Ethyl Benzene	95	70-130
m,p-Xylene	94	70-130
o-Xylene	92	70-130
Styrene	95	70-130
Bromoform	106	70-130
Cumene	96	70-130
1,1,2,2-Tetrachloroethane	100	70-130
Propylbenzene	93	70-130
4-Ethyltoluene	92	70-130
1,3,5-Trimethylbenzene	87	70-130
1,2,4-Trimethylbenzene	82	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	84	70-130
alpha-Chlorotoluene	82	70-130
1,2-Dichlorobenzene	89	70-130
1,2,4-Trichlorobenzene	81	70-130
Hexachlorobutadiene	78	70-130

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	83	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	102	70-130



Air Toxics

Client Sample ID: LCS

Lab ID#: 1310314-07C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 09:51 AM

Compound	%Recovery	Method Limits
Freon 12	103	70-130
Freon 114	102	70-130
Chloromethane	100	70-130
Vinyl Chloride	94	70-130
1,3-Butadiene	100	70-130
Bromomethane	104	70-130
Chloroethane	104	70-130
Freon 11	107	70-130
Ethanol	101	70-130
Freon 113	103	70-130
1,1-Dichloroethene	105	70-130
Acetone	100	70-130
2-Propanol	106	70-130
Carbon Disulfide	117	70-130
3-Chloropropene	131 Q	70-130
Methylene Chloride	89	70-130
Methyl tert-butyl ether	104	70-130
trans-1,2-Dichloroethene	110	70-130
Hexane	101	70-130
1,1-Dichloroethane	101	70-130
2-Butanone (Methyl Ethyl Ketone)	95	70-130
cis-1,2-Dichloroethene	96	70-130
Tetrahydrofuran	98	70-130
Chloroform	100	70-130
1,1,1-Trichloroethane	105	70-130
Cyclohexane	101	70-130
Carbon Tetrachloride	114	70-130
2,2,4-Trimethylpentane	95	70-130
Benzene	97	70-130
1,2-Dichloroethane	110	70-130
Heptane	103	70-130
Trichloroethene	101	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	99	70-130
Bromodichloromethane	105	70-130
cis-1,3-Dichloropropene	102	70-130
4-Methyl-2-pentanone	109	70-130
Toluene	98	70-130
trans-1,3-Dichloropropene	106	70-130
1,1,2-Trichloroethane	99	70-130
Tetrachloroethene	110	70-130
2-Hexanone	110	70-130

Client Sample ID: LCS

Lab ID#: 1310314-07C

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102803	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 09:51 AM

Compound	%Recovery	Method Limits
Dibromochloromethane	110	70-130
1,2-Dibromoethane (EDB)	108	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	104	70-130
m,p-Xylene	107	70-130
o-Xylene	108	70-130
Styrene	113	70-130
Bromoform	113	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	106	70-130
4-Ethyltoluene	101	70-130
1,3,5-Trimethylbenzene	101	70-130
1,2,4-Trimethylbenzene	102	70-130
1,3-Dichlorobenzene	96	70-130
1,4-Dichlorobenzene	98	70-130
alpha-Chlorotoluene	98	70-130
1,2-Dichlorobenzene	99	70-130
1,2,4-Trichlorobenzene	79	70-130
Hexachlorobutadiene	68 Q	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	104	70-130



Air Toxics

Client Sample ID: LCSD

Lab ID#: 1310314-07CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 10:34 AM

Compound	%Recovery	Method Limits
Freon 12	99	70-130
Freon 114	98	70-130
Chloromethane	86	70-130
Vinyl Chloride	93	70-130
1,3-Butadiene	99	70-130
Bromomethane	103	70-130
Chloroethane	103	70-130
Freon 11	104	70-130
Ethanol	97	70-130
Freon 113	101	70-130
1,1-Dichloroethene	104	70-130
Acetone	100	70-130
2-Propanol	106	70-130
Carbon Disulfide	116	70-130
3-Chloropropene	134 Q	70-130
Methylene Chloride	86	70-130
Methyl tert-butyl ether	101	70-130
trans-1,2-Dichloroethene	110	70-130
Hexane	101	70-130
1,1-Dichloroethane	99	70-130
2-Butanone (Methyl Ethyl Ketone)	97	70-130
cis-1,2-Dichloroethene	93	70-130
Tetrahydrofuran	98	70-130
Chloroform	101	70-130
1,1,1-Trichloroethane	104	70-130
Cyclohexane	100	70-130
Carbon Tetrachloride	111	70-130
2,2,4-Trimethylpentane	93	70-130
Benzene	95	70-130
1,2-Dichloroethane	106	70-130
Heptane	102	70-130
Trichloroethene	100	70-130
1,2-Dichloropropane	96	70-130
1,4-Dioxane	98	70-130
Bromodichloromethane	104	70-130
cis-1,3-Dichloropropene	100	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	96	70-130
trans-1,3-Dichloropropene	106	70-130
1,1,2-Trichloroethane	100	70-130
Tetrachloroethene	108	70-130
2-Hexanone	108	70-130

Client Sample ID: LCSD

Lab ID#: 1310314-07CC

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	c102804	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 10/28/13 10:34 AM

Compound	%Recovery	Method Limits
Dibromochloromethane	107	70-130
1,2-Dibromoethane (EDB)	109	70-130
Chlorobenzene	98	70-130
Ethyl Benzene	102	70-130
m,p-Xylene	106	70-130
o-Xylene	104	70-130
Styrene	110	70-130
Bromoform	110	70-130
Cumene	102	70-130
1,1,2,2-Tetrachloroethane	102	70-130
Propylbenzene	101	70-130
4-Ethyltoluene	94	70-130
1,3,5-Trimethylbenzene	94	70-130
1,2,4-Trimethylbenzene	94	70-130
1,3-Dichlorobenzene	92	70-130
1,4-Dichlorobenzene	91	70-130
alpha-Chlorotoluene	93	70-130
1,2-Dichlorobenzene	93	70-130
1,2,4-Trichlorobenzene	76	70-130
Hexachlorobutadiene	63 Q	70-130

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

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