eurofins | Air Toxics

12/13/2018
Mr. Jeff Wright
Weston Solutions, Inc.
13702 Coursey Blvd.,
Bldg #7, STE A
Baton Rouge LA 70817

Project Name: Browns Tree Care Dump
Project #: 20600.012-001-1182-01
Workorder #: 1812211

Dear Mr. Jeff Wright

The following report includes the data for the above referenced project for sample(s) received on 12/12/2018 at Air Toxics Ltd.

The data and associated QC analyzed by 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 Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. 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

Brian Whittaker
Project Manager

eurofins | Air Toxics

WORK ORDER #: 1812211

Work Order Summary

CLIENT:	Mr. Jeff Wright Weston Solutions, Inc. 13702 Coursey Blvd., Bldg #7, STE A Baton Rouge, LA 70817	**BILL TO:**	Mr. Jeff Wright Weston Solutions, Inc. 13702 Coursey Blvd., Bldg #7, STE A Baton Rouge, LA 70817
PHONE:	225-297-5415	**P.O. #**	0098768
FAX:		**PROJECT #**	20600.012-001-1182-01 Browns Tree Care Dump
DATE RECEIVED:	12/12/2018	**CONTACT:**	Brian Whittaker
DATE COMPLETED:	12/13/2018		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	BVF-SUM-011-20181210-1	TO-15	0.1 psi	5 psi
02A	BVF-SUM-012-20181210-1	TO-15	3.9 "Hg	5 psi
03A	BVF-SUM-013-20181210-1	TO-15	3.9 "Hg	4.9 psi
04A	BVF-SUM-014-20181210-1	TO-15	1.8 "Hg	5 psi
05A	Lab Blank	TO-15	NA	NA
06A	CCV	TO-15	NA	NA
07A	LCS	TO-15	NA	NA
07AA	LCSD	TO-15	NA	NA

CERTIFIED BY: Heidi Hayes

Technical Director

DATE: 12/13/18

Certification numbers: AZ Licensure AZ0775, NJ NELAP - CA016, NY NELAP - 11291,
TX NELAP - T104704434-15-9, UT NELAP CA0093332015-6, VA NELAP - 8113, WA NELAP - C935
Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2015, Expiration date: 10/17/2016.
Eurofins Air Toxics Inc.. 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 Eurofins Air Toxics, Inc.

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

LABORATORY NARRATIVE
EPA Method TO-15
Weston Solutions, Inc.
Workorder# 1812211

Four 6 Liter Summa Canister (100% Cert Ambient) samples were received on December 12, 2018. The laboratory performed analysis via 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.

Receiving Notes

Despite the use of flow controllers for sample collection, the final canister vacuum for sample BVF-SUM-011-20181210-1 was measured at ambient pressure at the laboratory. A leak test indicated that the canister valve was functioning properly.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds. Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

The reported result for 4-Ethyltoluene in sample BVF-SUM-013-20181210-1 may be biased high due to co-elution with a non target compound with similar characteristic ions. Both the primary and secondary ion for 4-Ethyltoluene exhibited potential interference.

Definition of Data Qualifying Flags

Ten 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.
M - Reported value may be biased due to apparent matrix interferences.
CN - See Case Narrative.

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

eurofins | Air Toxics

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

Client Sample ID: BVF-SUM-011-20181210-1

Lab ID#: 1812211-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Acetone	6.6	12	16	28
2-Butanone (Methyl Ethyl Ketone)	2.7	3.2	7.8	9.5
Tetrahydrofuran	0.66	1.4	2.0	4.3
Benzene	0.66	5.6	2.1	18
Toluene	0.66	3.6	2.5	14
m,p-Xylene	0.66	1.0	2.9	4.5

Client Sample ID: BVF-SUM-012-20181210-1

Lab ID#: 1812211-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.77	3.0	2.4	9.7
Toluene	0.77	1.7	2.9	6.3

Client Sample ID: BVF-SUM-013-20181210-1

Lab ID#: 1812211-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethanol	3.1	3.3	5.8	6.2
Acetone	7.6	61	18	150
2-Propanol	3.1	6.0	7.5	15
Hexane	0.76	1.8	2.7	6.5
2-Butanone (Methyl Ethyl Ketone)	3.1	13	9.0	40
Tetrahydrofuran	0.76	7.6	2.2	22
Benzene	0.76	22	2.4	70
Heptane	0.76	1.3	3.1	5.2
Toluene	0.76	13	2.9	49
Ethyl Benzene	0.76	1.7	3.3	7.5
m,p-Xylene	0.76	3.7	3.3	16
o-Xylene	0.76	1.4	3.3	6.3
4-Ethyltoluene	0.76	1.0	3.8	5.0
1,2,4-Trimethylbenzene	0.76	0.84	3.8	4.1
Methyl Acetate	7.6	18	23	55

eurofins | Air Toxics

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

Client Sample ID: BVF-SUM-013-20181210-1

Lab ID#: 1812211-03A

Client Sample ID: BVF-SUM-014-20181210-1

Lab ID#: 1812211-04A

No Detections Were Found.

eurofins | Air Toxics

Client Sample ID: BVF-SUM-011-20181210-1

Lab ID#: 1812211-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121212**	**Date of Collection:**	**12/11/18 9:45:00 AM**
Dil. Factor:	**1.33**	**Date of Analysis:**	**12/12/18 07:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.66	Not Detected	3.3	Not Detected
Freon 114	0.66	Not Detected	4.6	Not Detected
Chloromethane	6.6	Not Detected	14	Not Detected
Vinyl Chloride	0.66	Not Detected	1.7	Not Detected
1,3-Butadiene	0.66	Not Detected	1.5	Not Detected
Bromomethane	6.6	Not Detected	26	Not Detected
Chloroethane	2.7	Not Detected	7.0	Not Detected
Freon 11	0.66	Not Detected	3.7	Not Detected
Ethanol	2.7	Not Detected	5.0	Not Detected
Freon 113	0.66	Not Detected	5.1	Not Detected
1,1-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Acetone	6.6	12	16	28
2-Propanol	2.7	Not Detected	6.5	Not Detected
Carbon Disulfide	2.7	Not Detected	8.3	Not Detected
3-Chloropropene	2.7	Not Detected	8.3	Not Detected
Methylene Chloride	6.6	Not Detected	23	Not Detected
Methyl tert-butyl ether	2.7	Not Detected	9.6	Not Detected
trans-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Hexane	0.66	Not Detected	2.3	Not Detected
1,1-Dichloroethane	0.66	Not Detected	2.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.7	3.2	7.8	9.5
cis-1,2-Dichloroethene	0.66	Not Detected	2.6	Not Detected
Tetrahydrofuran	0.66	1.4	2.0	4.3
Chloroform	0.66	Not Detected	3.2	Not Detected
1,1,1-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Cyclohexane	0.66	Not Detected	2.3	Not Detected
Carbon Tetrachloride	0.66	Not Detected	4.2	Not Detected
2,2,4-Trimethylpentane	0.66	Not Detected	3.1	Not Detected
Benzene	0.66	5.6	2.1	18
1,2-Dichloroethane	0.66	Not Detected	2.7	Not Detected
Heptane	0.66	Not Detected	2.7	Not Detected
Trichloroethene	0.66	Not Detected	3.6	Not Detected
1,2-Dichloropropane	0.66	Not Detected	3.1	Not Detected
1,4-Dioxane	2.7	Not Detected	9.6	Not Detected
Bromodichloromethane	0.66	Not Detected	4.4	Not Detected
cis-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
4-Methyl-2-pentanone	0.66	Not Detected	2.7	Not Detected
Toluene	0.66	3.6	2.5	14
trans-1,3-Dichloropropene	0.66	Not Detected	3.0	Not Detected
1,1,2-Trichloroethane	0.66	Not Detected	3.6	Not Detected
Tetrachloroethene	0.66	Not Detected	4.5	Not Detected
2-Hexanone	2.7	Not Detected	11	Not Detected

eurofins | Air Toxics

Client Sample ID: BVF-SUM-011-20181210-1

Lab ID#: 1812211-01A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121212**	**Date of Collection:**	**12/11/18 9:45:00 AM**
Dil. Factor:	**1.33**	**Date of Analysis:**	**12/12/18 07:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.66	Not Detected	5.7	Not Detected
1,2-Dibromoethane (EDB)	0.66	Not Detected	5.1	Not Detected
Chlorobenzene	0.66	Not Detected	3.1	Not Detected
Ethyl Benzene	0.66	Not Detected	2.9	Not Detected
m,p-Xylene	0.66	1.0	2.9	4.5
o-Xylene	0.66	Not Detected	2.9	Not Detected
Styrene	0.66	Not Detected	2.8	Not Detected
Bromoform	0.66	Not Detected	6.9	Not Detected
Cumene	0.66	Not Detected	3.3	Not Detected
1,1,2,2-Tetrachloroethane	0.66	Not Detected	4.6	Not Detected
Propylbenzene	0.66	Not Detected	3.3	Not Detected
4-Ethyltoluene	0.66	Not Detected	3.3	Not Detected
1,3,5-Trimethylbenzene	0.66	Not Detected	3.3	Not Detected
1,2,4-Trimethylbenzene	0.66	Not Detected	3.3	Not Detected
1,3-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,4-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
alpha-Chlorotoluene	0.66	Not Detected	3.4	Not Detected
1,2-Dichlorobenzene	0.66	Not Detected	4.0	Not Detected
1,2,4-Trichlorobenzene	2.7	Not Detected	20	Not Detected
Hexachlorobutadiene	2.7	Not Detected	28	Not Detected
Methyl Acetate	6.6	Not Detected	20	Not Detected
Methylcyclohexane	2.7	Not Detected	11	Not Detected
Naphthalene	1.3	Not Detected	7.0	Not Detected

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: BVF-SUM-012-20181210-1

Lab ID#: 1812211-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121213**	**Date of Collection:**	**12/11/18 10:35:00 A**
Dil. Factor:	**1.54**	**Date of Analysis:**	**12/12/18 07:30 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.77	Not Detected	3.8	Not Detected
Freon 114	0.77	Not Detected	5.4	Not Detected
Chloromethane	7.7	Not Detected	16	Not Detected
Vinyl Chloride	0.77	Not Detected	2.0	Not Detected
1,3-Butadiene	0.77	Not Detected	1.7	Not Detected
Bromomethane	7.7	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
Freon 11	0.77	Not Detected	4.3	Not Detected
Ethanol	3.1	Not Detected	5.8	Not Detected
Freon 113	0.77	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.77	Not Detected	3.0	Not Detected
Acetone	7.7	Not Detected	18	Not Detected
2-Propanol	3.1	Not Detected	7.6	Not Detected
Carbon Disulfide	3.1	Not Detected	9.6	Not Detected
3-Chloropropene	3.1	Not Detected	9.6	Not Detected
Methylene Chloride	7.7	Not Detected	27	Not Detected
Methyl tert-butyl ether	3.1	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	0.77	Not Detected	3.0	Not Detected
Hexane	0.77	Not Detected	2.7	Not Detected
1,1-Dichloroethane	0.77	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	Not Detected	9.1	Not Detected
cis-1,2-Dichloroethene	0.77	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.77	Not Detected	2.3	Not Detected
Chloroform	0.77	Not Detected	3.8	Not Detected
1,1,1-Trichloroethane	0.77	Not Detected	4.2	Not Detected
Cyclohexane	0.77	Not Detected	2.6	Not Detected
Carbon Tetrachloride	0.77	Not Detected	4.8	Not Detected
2,2,4-Trimethylpentane	0.77	Not Detected	3.6	Not Detected
Benzene	0.77	3.0	2.4	9.7
1,2-Dichloroethane	0.77	Not Detected	3.1	Not Detected
Heptane	0.77	Not Detected	3.2	Not Detected
Trichloroethene	0.77	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.77	Not Detected	3.6	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.77	Not Detected	5.2	Not Detected
cis-1,3-Dichloropropene	0.77	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.77	Not Detected	3.2	Not Detected
Toluene	0.77	1.7	2.9	6.3
trans-1,3-Dichloropropene	0.77	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.77	Not Detected	4.2	Not Detected
Tetrachloroethene	0.77	Not Detected	5.2	Not Detected
2-Hexanone	3.1	Not Detected	13	Not Detected

eurofins | Air Toxics

Client Sample ID: BVF-SUM-012-20181210-1

Lab ID#: 1812211-02A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121213**	**Date of Collection:**	**12/11/18 10:35:00 A**
Dil. Factor:	**1.54**	**Date of Analysis:**	**12/12/18 07:30 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.77	Not Detected	6.6	Not Detected
1,2-Dibromoethane (EDB)	0.77	Not Detected	5.9	Not Detected
Chlorobenzene	0.77	Not Detected	3.5	Not Detected
Ethyl Benzene	0.77	Not Detected	3.3	Not Detected
m,p-Xylene	0.77	Not Detected	3.3	Not Detected
o-Xylene	0.77	Not Detected	3.3	Not Detected
Styrene	0.77	Not Detected	3.3	Not Detected
Bromoform	0.77	Not Detected	8.0	Not Detected
Cumene	0.77	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.77	Not Detected	5.3	Not Detected
Propylbenzene	0.77	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.77	Not Detected	3.8	Not Detected
1,3,5-Trimethylbenzene	0.77	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.77	Not Detected	3.8	Not Detected
1,3-Dichlorobenzene	0.77	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.77	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.77	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.77	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected
Methyl Acetate	7.7	Not Detected	23	Not Detected
Methylcyclohexane	3.1	Not Detected	12	Not Detected
Naphthalene	1.5	Not Detected	8.1	Not Detected

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	97	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: BVF-SUM-013-20181210-1

Lab ID#: 1812211-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121214**	**Date of Collection:**	**12/11/18 8:45:00 AM**
Dil. Factor:	**1.53**	**Date of Analysis:**	**12/12/18 07:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.76	Not Detected	3.8	Not Detected
Freon 114	0.76	Not Detected	5.3	Not Detected
Chloromethane	7.6	Not Detected	16	Not Detected
Vinyl Chloride	0.76	Not Detected	2.0	Not Detected
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Bromomethane	7.6	Not Detected	30	Not Detected
Chloroethane	3.1	Not Detected	8.1	Not Detected
Freon 11	0.76	Not Detected	4.3	Not Detected
Ethanol	3.1	3.3	5.8	6.2
Freon 113	0.76	Not Detected	5.9	Not Detected
1,1-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Acetone	7.6	61	18	150
2-Propanol	3.1	6.0	7.5	15
Carbon Disulfide	3.1	Not Detected	9.5	Not Detected
3-Chloropropene	3.1	Not Detected	9.6	Not Detected
Methylene Chloride	7.6	Not Detected	26	Not Detected
Methyl tert-butyl ether	3.1	Not Detected	11	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Hexane	0.76	1.8	2.7	6.5
1,1-Dichloroethane	0.76	Not Detected	3.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	3.1	13	9.0	40
cis-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
Tetrahydrofuran	0.76	7.6	2.2	22
Chloroform	0.76	Not Detected	3.7	Not Detected
1,1,1-Trichloroethane	0.76	Not Detected	4.2	Not Detected
Cyclohexane	0.76	Not Detected	2.6	Not Detected
Carbon Tetrachloride	0.76	Not Detected	4.8	Not Detected
2,2,4-Trimethylpentane	0.76	Not Detected	3.6	Not Detected
Benzene	0.76	22	2.4	70
1,2-Dichloroethane	0.76	Not Detected	3.1	Not Detected
Heptane	0.76	1.3	3.1	5.2
Trichloroethene	0.76	Not Detected	4.1	Not Detected
1,2-Dichloropropane	0.76	Not Detected	3.5	Not Detected
1,4-Dioxane	3.1	Not Detected	11	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
cis-1,3-Dichloropropene	0.76	Not Detected	3.5	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
Toluene	0.76	13	2.9	49
trans-1,3-Dichloropropene	0.76	Not Detected	3.5	Not Detected
1,1,2-Trichloroethane	0.76	Not Detected	4.2	Not Detected
Tetrachloroethene	0.76	Not Detected	5.2	Not Detected
2-Hexanone	3.1	Not Detected	12	Not Detected

eurofins | Air Toxics

Client Sample ID: BVF-SUM-013-20181210-1

Lab ID#: 1812211-03A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121214**	**Date of Collection:**	**12/11/18 8:45:00 AM**
Dil. Factor:	**1.53**	**Date of Analysis:**	**12/12/18 07:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
1,2-Dibromoethane (EDB)	0.76	Not Detected	5.9	Not Detected
Chlorobenzene	0.76	Not Detected	3.5	Not Detected
Ethyl Benzene	0.76	1.7	3.3	7.5
m,p-Xylene	0.76	3.7	3.3	16
o-Xylene	0.76	1.4	3.3	6.3
Styrene	0.76	Not Detected	3.2	Not Detected
Bromoform	0.76	Not Detected	7.9	Not Detected
Cumene	0.76	Not Detected	3.8	Not Detected
1,1,2,2-Tetrachloroethane	0.76	Not Detected	5.2	Not Detected
Propylbenzene	0.76	Not Detected	3.8	Not Detected
4-Ethyltoluene	0.76	1.0	3.8	5.0
1,3,5-Trimethylbenzene	0.76	Not Detected	3.8	Not Detected
1,2,4-Trimethylbenzene	0.76	0.84	3.8	4.1
1,3-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,4-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
alpha-Chlorotoluene	0.76	Not Detected	4.0	Not Detected
1,2-Dichlorobenzene	0.76	Not Detected	4.6	Not Detected
1,2,4-Trichlorobenzene	3.1	Not Detected	23	Not Detected
Hexachlorobutadiene	3.1	Not Detected	33	Not Detected
Methyl Acetate	7.6	18	23	55
Methylcyclohexane	3.1	Not Detected	12	Not Detected
Naphthalene	1.5	Not Detected	8.0	Not Detected

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: BVF-SUM-014-20181210-1

Lab ID#: 1812211-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121215**	**Date of Collection:**	**12/11/18 10:14:00 A**
Dil. Factor:	**1.42**	**Date of Analysis:**	**12/12/18 08:23 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.71	Not Detected	3.5	Not Detected
Freon 114	0.71	Not Detected	5.0	Not Detected
Chloromethane	7.1	Not Detected	15	Not Detected
Vinyl Chloride	0.71	Not Detected	1.8	Not Detected
1,3-Butadiene	0.71	Not Detected	1.6	Not Detected
Bromomethane	7.1	Not Detected	28	Not Detected
Chloroethane	2.8	Not Detected	7.5	Not Detected
Freon 11	0.71	Not Detected	4.0	Not Detected
Ethanol	2.8	Not Detected	5.4	Not Detected
Freon 113	0.71	Not Detected	5.4	Not Detected
1,1-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Acetone	7.1	Not Detected	17	Not Detected
2-Propanol	2.8	Not Detected	7.0	Not Detected
Carbon Disulfide	2.8	Not Detected	8.8	Not Detected
3-Chloropropene	2.8	Not Detected	8.9	Not Detected
Methylene Chloride	7.1	Not Detected	25	Not Detected
Methyl tert-butyl ether	2.8	Not Detected	10	Not Detected
trans-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Hexane	0.71	Not Detected	2.5	Not Detected
1,1-Dichloroethane	0.71	Not Detected	2.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.8	Not Detected	8.4	Not Detected
cis-1,2-Dichloroethene	0.71	Not Detected	2.8	Not Detected
Tetrahydrofuran	0.71	Not Detected	2.1	Not Detected
Chloroform	0.71	Not Detected	3.5	Not Detected
1,1,1-Trichloroethane	0.71	Not Detected	3.9	Not Detected
Cyclohexane	0.71	Not Detected	2.4	Not Detected
Carbon Tetrachloride	0.71	Not Detected	4.5	Not Detected
2,2,4-Trimethylpentane	0.71	Not Detected	3.3	Not Detected
Benzene	0.71	Not Detected	2.3	Not Detected
1,2-Dichloroethane	0.71	Not Detected	2.9	Not Detected
Heptane	0.71	Not Detected	2.9	Not Detected
Trichloroethene	0.71	Not Detected	3.8	Not Detected
1,2-Dichloropropane	0.71	Not Detected	3.3	Not Detected
1,4-Dioxane	2.8	Not Detected	10	Not Detected
Bromodichloromethane	0.71	Not Detected	4.8	Not Detected
cis-1,3-Dichloropropene	0.71	Not Detected	3.2	Not Detected
4-Methyl-2-pentanone	0.71	Not Detected	2.9	Not Detected
Toluene	0.71	Not Detected	2.7	Not Detected
trans-1,3-Dichloropropene	0.71	Not Detected	3.2	Not Detected
1,1,2-Trichloroethane	0.71	Not Detected	3.9	Not Detected
Tetrachloroethene	0.71	Not Detected	4.8	Not Detected
2-Hexanone	2.8	Not Detected	12	Not Detected

eurofins | Air Toxics

Client Sample ID: BVF-SUM-014-20181210-1

Lab ID#: 1812211-04A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121215**	**Date of Collection:**	**12/11/18 10:14:00 A**
Dil. Factor:	**1.42**	**Date of Analysis:**	**12/12/18 08:23 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.71	Not Detected	6.0	Not Detected
1,2-Dibromoethane (EDB)	0.71	Not Detected	5.4	Not Detected
Chlorobenzene	0.71	Not Detected	3.3	Not Detected
Ethyl Benzene	0.71	Not Detected	3.1	Not Detected
m,p-Xylene	0.71	Not Detected	3.1	Not Detected
o-Xylene	0.71	Not Detected	3.1	Not Detected
Styrene	0.71	Not Detected	3.0	Not Detected
Bromoform	0.71	Not Detected	7.3	Not Detected
Cumene	0.71	Not Detected	3.5	Not Detected
1,1,2,2-Tetrachloroethane	0.71	Not Detected	4.9	Not Detected
Propylbenzene	0.71	Not Detected	3.5	Not Detected
4-Ethyltoluene	0.71	Not Detected	3.5	Not Detected
1,3,5-Trimethylbenzene	0.71	Not Detected	3.5	Not Detected
1,2,4-Trimethylbenzene	0.71	Not Detected	3.5	Not Detected
1,3-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
1,4-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
alpha-Chlorotoluene	0.71	Not Detected	3.7	Not Detected
1,2-Dichlorobenzene	0.71	Not Detected	4.3	Not Detected
1,2,4-Trichlorobenzene	2.8	Not Detected	21	Not Detected
Hexachlorobutadiene	2.8	Not Detected	30	Not Detected
Methyl Acetate	7.1	Not Detected	22	Not Detected
Methylcyclohexane	2.8	Not Detected	11	Not Detected
Naphthalene	1.4	Not Detected	7.4	Not Detected

Container Type: 6 Liter Summa Canister (100% Cert Ambient)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	95	70-130

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1812211-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121208c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 02:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	5.0	Not Detected	10	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	5.0	Not Detected	19	Not Detected
Chloroethane	2.0	Not Detected	5.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	5.0	Not Detected	12	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	2.0	Not Detected	6.2	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	5.0	Not Detected	17	Not Detected
Methyl tert-butyl ether	2.0	Not Detected	7.2	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	2.0	Not Detected	5.9	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected

eurofins | Air Toxics

Client Sample ID: Lab Blank

Lab ID#: 1812211-05A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121208c**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 02:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected
Methyl Acetate	5.0	Not Detected	15	Not Detected
Methylcyclohexane	2.0	Not Detected	8.0	Not Detected
Naphthalene	1.0	Not Detected	5.2	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	96	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1812211-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121202**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 10:47 AM**

Compound	%Recovery
Freon 12	106
Freon 114	105
Chloromethane	91
Vinyl Chloride	114
1,3-Butadiene	108
Bromomethane	105
Chloroethane	96
Freon 11	106
Ethanol	89
Freon 113	102
1,1-Dichloroethene	100
Acetone	99
2-Propanol	89
Carbon Disulfide	93
3-Chloropropene	95
Methylene Chloride	96
Methyl tert-butyl ether	100
trans-1,2-Dichloroethene	105
Hexane	101
1,1-Dichloroethane	99
2-Butanone (Methyl Ethyl Ketone)	95
cis-1,2-Dichloroethene	100
Tetrahydrofuran	100
Chloroform	102
1,1,1-Trichloroethane	107
Cyclohexane	102
Carbon Tetrachloride	108
2,2,4-Trimethylpentane	101
Benzene	100
1,2-Dichloroethane	112
Heptane	109
Trichloroethene	104
1,2-Dichloropropane	102
1,4-Dioxane	104
Bromodichloromethane	111
cis-1,3-Dichloropropene	104
4-Methyl-2-pentanone	101
Toluene	103
trans-1,3-Dichloropropene	105
1,1,2-Trichloroethane	104
Tetrachloroethene	114
2-Hexanone	98

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1812211-06A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121202**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 10:47 AM**	

Compound	**%Recovery**
Dibromochloromethane	112
1,2-Dibromoethane (EDB)	108
Chlorobenzene	105
Ethyl Benzene	111
m,p-Xylene	115
o-Xylene	113
Styrene	114
Bromoform	116
Cumene	118
1,1,2,2-Tetrachloroethane	103
Propylbenzene	111
4-Ethyltoluene	114
1,3,5-Trimethylbenzene	122
1,2,4-Trimethylbenzene	118
1,3-Dichlorobenzene	114
1,4-Dichlorobenzene	117
alpha-Chlorotoluene	99
1,2-Dichlorobenzene	114
1,2,4-Trichlorobenzene	114
Hexachlorobutadiene	118
Methyl Acetate	98
Methylcyclohexane	108
Naphthalene	93

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	106	70-130

eurofins | Air Toxics

Client Sample ID: LCS
Lab ID#: 1812211-07A
EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	p121203	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 12/12/18 12:02 PM	

Compound	%Recovery	Method Limits
Freon 12	102	70-130
Freon 114	102	70-130
Chloromethane	99	70-130
Vinyl Chloride	112	70-130
1,3-Butadiene	104	70-130
Bromomethane	102	70-130
Chloroethane	96	70-130
Freon 11	100	70-130
Ethanol	89	70-130
Freon 113	97	70-130
1,1-Dichloroethene	96	70-130
Acetone	92	70-130
2-Propanol	96	70-130
Carbon Disulfide	93	70-130
3-Chloropropene	97	70-130
Methylene Chloride	92	70-130
Methyl tert-butyl ether	94	70-130
trans-1,2-Dichloroethene	107	70-130
Hexane	99	70-130
1,1-Dichloroethane	92	70-130
2-Butanone (Methyl Ethyl Ketone)	93	70-130
cis-1,2-Dichloroethene	88	70-130
Tetrahydrofuran	99	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	100	70-130
Cyclohexane	100	70-130
Carbon Tetrachloride	103	70-130
2,2,4-Trimethylpentane	100	70-130
Benzene	89	70-130
1,2-Dichloroethane	96	70-130
Heptane	102	70-130
Trichloroethene	96	70-130
1,2-Dichloropropane	93	70-130
1,4-Dioxane	104	70-130
Bromodichloromethane	99	70-130
cis-1,3-Dichloropropene	102	70-130
4-Methyl-2-pentanone	107	70-130
Toluene	93	70-130
trans-1,3-Dichloropropene	100	70-130
1,1,2-Trichloroethane	97	70-130
Tetrachloroethene	104	70-130
2-Hexanone	115	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1812211-07A

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121203**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 12:02 PM**	

Compound	%Recovery	Method Limits
Dibromochloromethane	103	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	97	70-130
Ethyl Benzene	105	70-130
m,p-Xylene	107	70-130
o-Xylene	106	70-130
Styrene	113	70-130
Bromoform	109	70-130
Cumene	107	70-130
1,1,2,2-Tetrachloroethane	96	70-130
Propylbenzene	105	70-130
4-Ethyltoluene	113	70-130
1,3,5-Trimethylbenzene	113	70-130
1,2,4-Trimethylbenzene	113	70-130
1,3-Dichlorobenzene	105	70-130
1,4-Dichlorobenzene	108	70-130
alpha-Chlorotoluene	115	70-130
1,2-Dichlorobenzene	106	70-130
1,2,4-Trichlorobenzene	102	70-130
Hexachlorobutadiene	106	70-130
Methyl Acetate	Not Spiked	
Methylcyclohexane	101	60-140
Naphthalene	100	60-140

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	106	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1812211-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 12:27 PM**	

Compound	%Recovery	Method Limits
Freon 12	102	70-130
Freon 114	100	70-130
Chloromethane	94	70-130
Vinyl Chloride	111	70-130
1,3-Butadiene	103	70-130
Bromomethane	101	70-130
Chloroethane	95	70-130
Freon 11	100	70-130
Ethanol	91	70-130
Freon 113	96	70-130
1,1-Dichloroethene	97	70-130
Acetone	93	70-130
2-Propanol	98	70-130
Carbon Disulfide	92	70-130
3-Chloropropene	102	70-130
Methylene Chloride	89	70-130
Methyl tert-butyl ether	95	70-130
trans-1,2-Dichloroethene	113	70-130
Hexane	100	70-130
1,1-Dichloroethane	92	70-130
2-Butanone (Methyl Ethyl Ketone)	92	70-130
cis-1,2-Dichloroethene	88	70-130
Tetrahydrofuran	99	70-130
Chloroform	96	70-130
1,1,1-Trichloroethane	102	70-130
Cyclohexane	99	70-130
Carbon Tetrachloride	104	70-130
2,2,4-Trimethylpentane	100	70-130
Benzene	89	70-130
1,2-Dichloroethane	96	70-130
Heptane	100	70-130
Trichloroethene	96	70-130
1,2-Dichloropropane	95	70-130
1,4-Dioxane	105	70-130
Bromodichloromethane	101	70-130
cis-1,3-Dichloropropene	103	70-130
4-Methyl-2-pentanone	108	70-130
Toluene	94	70-130
trans-1,3-Dichloropropene	99	70-130
1,1,2-Trichloroethane	95	70-130
Tetrachloroethene	102	70-130
2-Hexanone	116	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1812211-07AA

EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**p121204**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 12/12/18 12:27 PM**	

Compound	**%Recovery**	**Method Limits**
Dibromochloromethane	102	70-130
1,2-Dibromoethane (EDB)	100	70-130
Chlorobenzene	96	70-130
Ethyl Benzene	101	70-130
m,p-Xylene	105	70-130
o-Xylene	106	70-130
Styrene	110	70-130
Bromoform	108	70-130
Cumene	106	70-130
1,1,2,2-Tetrachloroethane	95	70-130
Propylbenzene	102	70-130
4-Ethyltoluene	111	70-130
1,3,5-Trimethylbenzene	111	70-130
1,2,4-Trimethylbenzene	113	70-130
1,3-Dichlorobenzene	104	70-130
1,4-Dichlorobenzene	108	70-130
alpha-Chlorotoluene	116	70-130
1,2-Dichlorobenzene	105	70-130
1,2,4-Trichlorobenzene	108	70-130
Hexachlorobutadiene	111	70-130
Methyl Acetate	Not Spiked	
Methylcyclohexane	102	60-140
Naphthalene	108	60-140

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	104	70-130