

1/23/2020 Ms. Jesse Miller CAMSCO 6732 Mayard

Houston TX 77041

Project Name: Project #: Workorder #: 2001299

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 1/16/2020 at Air Toxics Ltd.

The data and associated QC analyzed by EPA Method 325B 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: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Scott

Ausha Scott Project Manager

180 Blue Ravine Road, Suite B Folsom, CA 95630



#### WORK ORDER #: 2001299

#### Work Order Summary

CLIENT:	Ms. Jesse Miller CAMSCO 6732 Mayard Houston, TX 77041	BILL TO:	Mr. Jason Robles CAMSCO 6732 Mayard Houston, TX 77041
PHONE:	713-983-0200	<b>P.O.</b> #	
FAX:		PROJECT #	
DATE RECEIVED:	01/16/2020		
DATE COMPLETE	<b>D:</b> 01/20/2020	CONTACT:	Ausha Scott
FRACTION #	NAME	TEST	
01A	1117688-01-013-R	EPA Method 3	25B
02A	1117694-01-013-D	EPA Method 3	25B
03A	1117696-02-013-R	EPA Method 3	25B
04A	1117705-03-013-R	EPA Method 3	25B
05A	1117712-04-013-R	EPA Method 3	25B
06A	1117719-05-013-R	EPA Method 3	25B
07A	1117734-06-013-R	EPA Method 3	25B
08A	1117749-06-013-В	EPA Method 3	25B
09A	1117751-07-013-R	EPA Method 3	25B
10A	1117782-08-013-R	EPA Method 3	25B
11A	1117787-09-013-R	EPA Method 3	25B
12A	1117825-10-013-R	EPA Method 3	25B
13A	1117829-11-013-R	EPA Method 3	25B
14A	1117847-12-013-R	EPA Method 3	25B
15A	1117850-13-013-R	EPA Method 3	25B
16A	Lab Blank	EPA Method 3	25B
17A	CCV	EPA Method 3	25B
17B	CCV	EPA Method 3	25B
17C	CCV	EPA Method 3	25B

CERTIFIED BY:

layes

DATE: 01/20/20

Technical Director

Certification numbers: AZ Licensure AZ0775, FL NELAP – E87680, LA NELAP – 02089, NH NELAP - 209218, NJ NELAP - CA016, NY NELAP - 11291, TX NELAP - T104704434-18-13, UT NELAP – CA009332019-11, VA NELAP - 460197, WA NELAP - C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) Accreditation number: CA300005-011, Effective date: 10/18/2019, Expiration date: 10/17/2020. Eurofins Air Toxics, LLC certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630 (916) 985-1000. (800) 985-5955. FAX (916) 351-8279



#### LABORATORY NARRATIVE ATM EPA 325B CAMSCO Workorder# 2001299

Fifteen Carbopack X CAMSCO samples were received on January 16, 2020. The laboratory performed the analysis via EPA Method 325B using GC/MS in the full scan mode.

The mass of each target compound adsorbed by the sampler was converted to units of concentration using the sample deployment time and the uptake rate for each VOC. Uptake rates are adjusted for local conditions and concentrations are reported based on normal ambient temperature and pressure conditions (25 deg C and 760 mm Hg) following EPA-approved calculations in Alternative Test Method 122. These adjustments are reflected in the dilution factor.

### **Receiving Notes**

There were no receiving discrepancies.

## Analytical Notes

All samples were collected over a 13-day period.

### **Definition of Data Qualifying Flags**

The following qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in field blank(s) greater than 1/3 the compliance limit or measured target analyte (background subtraction not performed).

- J Estimated value analyte detected betweeen the Method Detection Limit and Reporting Limit.
- E Exceeds instrument calibration range.
- S Saturated peak.
- Q Exceeds quality control limits.
- U Compound analyzed for but not detected above the MDL value.
- I Internal Standard recovery outside acceptance limits
- P Field Duplicate(s) exceed 30% RPD

Pc- Field Duplicate(s) exceed 30%RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.

- Pl Field Duplicate(s) exceed 30% RPD, lab error noted.
- L Recovery of bracketing CCV(s) exceeded acceptance limits.
- H Sample analyzed outside of method hold time.
- D Sample duration outside 14+/-1 days
- Fe Field Error or discrepancy
- Te Tube Error or discrepancy
- CN See case narrative explanation.

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 EPA METHOD 325B GC/MS FULL SCAN

#### Client Sample ID: 1117688-01-013-R

#### Lab ID#: 2001299-01A

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.41	0.60	
Toluene	0.53	0.41 J	
Ethyl Benzene	0.60	0.30 U	
m,p-Xylene	0.60	0.30 U	
o-Xylene	0.60	0.30 U	

#### Client Sample ID: 1117694-01-013-D

#### Lab ID#: 2001299-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.59
Toluene	0.53	0.50 J
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U

#### Client Sample ID: 1117696-02-013-R

#### Lab ID#: 2001299-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.59
Toluene	0.53	0.42 J
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U

#### Client Sample ID: 1117705-03-013-R

#### Lab ID#: 2001299-04A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.41	0.66
Toluene	0.53	0.53 J



# Summary of Detected Compounds EPA METHOD 325B GC/MS FULL SCAN

### Client Sample ID: 1117705-03-013-R

0.60	0.30 U
0.60	0.30 U
0.60	0.30 U
	0.60

## Client Sample ID: 1117712-04-013-R

### Lab ID#: 2001299-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.73
Toluene	0.53	0.55
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U

#### Client Sample ID: 1117719-05-013-R

#### Lab ID#: 2001299-06A

Rpt. Limit	Amount
(ug/m3)	
0.41	0.62
0.53	0.43 J
0.60	0.30 U
0.60	0.30 U
0.60	0.30 U
	(ug/m3) 0.41 0.53 0.60 0.60

### Client Sample ID: 1117734-06-013-R

#### Lab ID#: 2001299-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.44
Toluene	0.53	0.50 J
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U



# Summary of Detected Compounds EPA METHOD 325B GC/MS FULL SCAN

#### Client Sample ID: 1117749-06-013-B

#### Lab ID#: 2001299-08A

Rpt. Limit	Amount	
(ug/m3)	(ug/m3)	
0.41	0.21 U	
0.53	0.27 U	
0.60	0.30 U	
0.60	0.30 U	
0.60	0.30 U	
	(ug/m3) 0.41 0.53 0.60 0.60	

#### Client Sample ID: 1117751-07-013-R

#### Lab ID#: 2001299-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.59
Toluene	0.53	0.38 J
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U

#### Client Sample ID: 1117782-08-013-R

#### Lab ID#: 2001299-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.41	0.50
Toluene	0.53	0.30 J
Ethyl Benzene	0.60	0.30 U
m,p-Xylene	0.60	0.30 U
o-Xylene	0.60	0.30 U

#### Client Sample ID: 1117787-09-013-R

### Lab ID#: 2001299-11A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.41	0.50
Toluene	0.53	0.32 J



# Summary of Detected Compounds EPA METHOD 325B GC/MS FULL SCAN

### Client Sample ID: 1117787-09-013-R

0.60	0.30 U
0.60	0.30 U
0.60	0.30 U
	0.60

#### Client Sample ID: 1117825-10-013-R

### Lab ID#: 2001299-12A

Rpt. Limit	Amount	
(ug/m3)	(ug/m3)	
0.41	0.50	
0.53	0.45 J	
0.60	0.30 U	
0.60	0.30 U	
0.60	0.30 U	
	(ug/m3) 0.41 0.53 0.60 0.60	

#### Client Sample ID: 1117829-11-013-R

#### Lab ID#: 2001299-13A

Rpt. Limit	Amount
(ug/m3)	
0.41	0.66
0.53	0.51 J
0.60	0.30 U
0.60	0.30 U
0.60	0.30 U
	(ug/m3) 0.41 0.53 0.60 0.60

### Client Sample ID: 1117847-12-013-R

#### Lab ID#: 2001299-14A

Rpt. Limit	Amount	
(ug/m3)	(ug/m3)	
0.41	0.59	
0.53	0.48 J	
0.60	0.30 U	
0.60	0.30 U	
0.60	0.30 U	
	(ug/m3) 0.41 0.53 0.60 0.60	



# Summary of Detected Compounds EPA METHOD 325B GC/MS FULL SCAN

### Client Sample ID: 1117850-13-013-R

Lab ID#: 2001299-15A

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.41	0.57	
Toluene	0.53	0.58	
Ethyl Benzene	0.60	0.30 U	
m,p-Xylene	0.60	0.30 U	
o-Xylene	0.60	0.30 U	



## **Air Toxics**

## Client Sample ID: 1117688-01-013-R Lab ID#: 2001299-01A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011632 1.04		tion:  1/15/20 12:22:00 PM sis:  1/16/20 11:48 PM tion:  NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.60
Toluene		0.53	0.41 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit. Container Type: Carbopack X CAMSCO



## **Air Toxics**

## Client Sample ID: 1117694-01-013-D Lab ID#: 2001299-02A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011633 1.04		tion: 1/15/20 12:22:00 PM sis: 1/17/20 12:17 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.59
Toluene		0.53	0.50 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117696-02-013-R Lab ID#: 2001299-03A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011634 1.04		tion:  1/15/20 12:19:00 PM sis:  1/17/20 12:45 AM tion:  NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.59
Toluene		0.53	0.42 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117705-03-013-R Lab ID#: 2001299-04A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011635 1.04		tion: 1/15/20 12:01:00 PM sis: 1/17/20 01:14 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.66
Toluene		0.53	0.53 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## Client Sample ID: 1117712-04-013-R Lab ID#: 2001299-05A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011636 1.04		tion: 1/15/20 11:59:00 AN .is: 1/17/20 01:42 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.73
Toluene		0.53	0.55
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117719-05-013-R Lab ID#: 2001299-06A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011637 1.04		tion: 1/15/20 11:40:00 AN is: 1/17/20 02:11 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.62
Toluene		0.53	0.43 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117734-06-013-R Lab ID#: 2001299-07A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011638 1.04	(ug/m3) ( 0.41	
Compound		•	Amount (ug/m3)
Benzene		0.41	0.44
Toluene		0.53	0.50 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## Client Sample ID: 1117749-06-013-B Lab ID#: 2001299-08A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011631 1.04		tion:  1/15/20 11:20:00 AN sis:  1/16/20 11:20 PM :tion:  NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.21 U
Toluene		0.53	0.27 U
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

U = The analyte was not present above the Method Detection Limit.



# **Air Toxics**

## Client Sample ID: 1117751-07-013-R Lab ID#: 2001299-09A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011639 1.04		
Compound		•	Amount (ug/m3)
Benzene		0.41	0.59
Toluene		0.53	0.38 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117782-08-013-R Lab ID#: 2001299-10A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011640 1.04		tion: 1/15/20 11:16:00 AN sis: 1/17/20 03:36 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.50
Toluene		0.53	0.30 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117787-09-013-R Lab ID#: 2001299-11A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011642 1.04	(ug/m3) ( 0.41	
Compound		•	Amount (ug/m3)
Benzene		0.41	0.50
Toluene		0.53	0.32 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117825-10-013-R Lab ID#: 2001299-12A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011643 1.04	(ug/m3) (u	
Compound		-	Amount (ug/m3)
Benzene		0.41	0.50
Toluene		0.53	0.45 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117829-11-013-R Lab ID#: 2001299-13A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011644 1.04	(ug/m3) ( 0.41	
Compound		•	Amount (ug/m3)
Benzene		0.41	0.66
Toluene		0.53	0.51 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



## **Air Toxics**

## Client Sample ID: 1117847-12-013-R Lab ID#: 2001299-14A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f011645 1.04	(ug/m3)	
Compound		•	Amount (ug/m3)
Benzene		0.41	0.59
Toluene		0.53	0.48 J
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

J = Estimated value.

U = The analyte was not present above the Method Detection Limit.



# **Air Toxics**

## Client Sample ID: 1117850-13-013-R Lab ID#: 2001299-15A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011646 1.04		tion: 1/15/20 12:14:00 PM sis: 1/17/20 06:21 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.41	0.57
Toluene		0.53	0.58
Ethyl Benzene		0.60	0.30 U
m,p-Xylene		0.60	0.30 U
o-Xylene		0.60	0.30 U

U = The analyte was not present above the Method Detection Limit.



# **Air Toxics**

## Client Sample ID: Lab Blank Lab ID#: 2001299-16A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f011609a 1.00	Date of Collec Date of Analys Date of Extrac	sis: 1/16/20 12:42 PM
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.40	0.20 U
Toluene		0.51	0.26 U
Ethyl Benzene		0.58	0.29 U
m,p-Xylene		0.58	0.29 U
o-Xylene		0.58	0.29 U

U = The analyte was not present above the Method Detection Limit.



## Client Sample ID: CCV Lab ID#: 2001299-17A EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f011630 1.00	Date of Collection: NA Date of Analysis: 1/16/20 10:52 PM
		Date of Extraction: NA
Compound		%Recovery
Benzene		94
Toluene		98
Ethyl Benzene		100
m,p-Xylene		98
o-Xylene		100



## Client Sample ID: CCV Lab ID#: 2001299-17B EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f011641 1.00	Date of Collection: NA Date of Analysis: 1/17/20 03:59 AM
		Date of Extraction: NA
Compound		%Recovery
Benzene		109
Toluene		119
Ethyl Benzene		97
m,p-Xylene		96
o-Xylene		101



## Client Sample ID: CCV Lab ID#: 2001299-17C EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f011647 1.00	Date of Collection: NA Date of Analysis: 1/17/20 06:45 AM Date of Extraction: NA
Compound	%Recovery	
Benzene	85	
Toluene	109	
Ethyl Benzene		100
m,p-Xylene		102
o-Xylene	104	