

4/3/2020 Ms. Jesse Miller CAMSCO 6732 Mayard

Houston TX 77041

Project Name: Project #: Workorder #: 2003411

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 3/13/2020 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 #: 2003411

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	P.O. #	
FAX:		PROJECT #	
DATE RECEIVED:	03/13/2020	CONTACT:	A 1. C. 4
DATE COMPLETE	D: 04/01/2020	CONTACT:	Ausha Scott
FRACTION #	<u>NAME</u>	<u>TEST</u>	
01A(cancelled)	1117688-01-017-R	EPA Method 3	
02A(cancelled)	1117694-01-017-D	EPA Method 3	-
03A	1117705-02-017-R	EPA Method 3	
04A	1117712-03-017-R	EPA Method 3	-
05A	1117719-04-017-R	EPA Method 3	-
06A	1117734-05-017-R	EPA Method 3	
07A	1117749-06-017-R	EPA Method 3	25B
08A	1117751-06-017-В	EPA Method 3	-
09A	1117767-07-017-R	EPA Method 3	25B
10A	1117787-08-017-R	EPA Method 3	25B
11A	1117799-09-017-R	EPA Method 3	25B
12A	1117811-10-017-R	EPA Method 3	25B
13A	1117825-11-017-R	EPA Method 3	25B
14A	1117829-12-017-R	EPA Method 3	25B
15A	1117847-13-017-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: <u>04/01/20</u>

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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LABORATORY NARRATIVE ATM EPA 325B CAMSCO Workorder# 2003411

Fifteen Carbopack X CAMSCO samples were received on March 13, 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

The Chain of Custody (COC) information for samples 1117688-01-017-R and 1117694-01-017-D did not match the information on the tube with regard to tube identification. The client was notified of the discrepancy and the information on the tubes was used to process and report the samples.

Analytical Notes

Samples 1117688-01-017-R and 1117694-01-017-D were marked on the COC as samples. However, review of the raw data indicated that the tubes were not deployed as the markers for exposure to ambient air were not present. The client was notified and the samples were cancelled.

Sample batch submitted did not include the required field QC samples. An insufficient number of field duplicates were collected.

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: 1117705-02-017-R

Lab ID#: 2003411-03A

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.38	0.53	
Toluene	0.50	0.33 J	
Ethyl Benzene	0.56	0.28 U	
m,p-Xylene	0.56	0.28 U	
o-Xylene	0.56	0.28 U	

Client Sample ID: 1117712-03-017-R

Lab ID#: 2003411-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.52
Toluene	0.50	0.37 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117719-04-017-R

Lab ID#: 2003411-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.53
Toluene	0.50	0.32 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117734-05-017-R

Lab ID#: 2003411-06A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.38	0.53
Toluene	0.50	0.36 J



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

Client Sample ID: 1117734-05-017-R

Lab ID#: 2003411-06A		
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117749-06-017-R

Lab ID#: 2003411-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.56
Toluene	0.50	0.36 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117751-06-017-B

Lab ID#: 2003411-08A

Rpt. Limit (ug/m3)	Amount (ug/m3)
0.50	0.25 U
0.56	0.28 U
0.56	0.28 U
0.56	0.28 U
	(ug/m3) 0.38 0.50 0.56 0.56

Client Sample ID: 1117767-07-017-R

Lab ID#: 2003411-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.55
Toluene	0.50	0.46 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U



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

Client Sample ID: 1117787-08-017-R

Lab ID#: 2003411-10A

	Rpt. Limit (ug/m3)	Amount (ug/m3)
Compound		
Benzene	0.38	0.50
Toluene	0.50	0.27 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117799-09-017-R

Lab ID#: 2003411-11A

Rpt. Limit (ug/m3)	Amount (ug/m3)
0.38	0.46
0.50	0.25 U
0.56	0.28 U
0.56	0.28 U
0.56	0.28 U
	(ug/m3) 0.38 0.50 0.56 0.56

Client Sample ID: 1117811-10-017-R

Lab ID#: 2003411-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.57
Toluene	0.50	0.35 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117825-11-017-R

Lab ID#: 2003411-13A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.38	0.71
Toluene	0.50	0.41 J



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

Client Sample ID: 1117825-11-017-R

0.56	0.28 U
0.56	0.28 U
0.56	0.28 U
	0.56

Client Sample ID: 1117829-12-017-R

Lab ID#: 2003411-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.50
Toluene	0.50	0.31 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

Client Sample ID: 1117847-13-017-R

Lab ID#: 2003411-15A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.51
Toluene	0.50	0.46 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U



Air Toxics

Client Sample ID: 1117705-02-017-R Lab ID#: 2003411-03A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031631 1.04		tion: 3/11/20 2:46:00 PM .is: 3/17/20 01:37 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.53
Toluene		0.50	0.33 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 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: 1117712-03-017-R Lab ID#: 2003411-04A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031632 1.04		tion: 3/11/20 2:56:00 PM is: 3/17/20 02:06 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.52
Toluene		0.50	0.37 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117719-04-017-R Lab ID#: 2003411-05A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031633 1.04		tion: 3/11/20 2:58:00 PM is: 3/17/20 02:34 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.53
Toluene		0.50	0.32 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117734-05-017-R Lab ID#: 2003411-06A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031634 1.04		tion: 3/11/20 3:00:00 PM is: 3/17/20 03:03 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.53
Toluene		0.50	0.36 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117749-06-017-R Lab ID#: 2003411-07A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031635 1.04		tion: 3/11/20 2:00:00 PM .is: 3/17/20 03:31 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.56
Toluene		0.50	0.36 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Client Sample ID: 1117751-06-017-B Lab ID#: 2003411-08A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f031628 1.04		tion: 3/11/20 2:00:00 PM sis: 3/17/20 12:11 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.19 U
Toluene		0.50	0.25 U
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

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



Air Toxics

Client Sample ID: 1117767-07-017-R Lab ID#: 2003411-09A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031636 1.04		tion: 3/11/20 1:57:00 PM is: 3/17/20 04:00 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.55
Toluene		0.50	0.46 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117787-08-017-R Lab ID#: 2003411-10A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031638 1.04		tion: 3/11/20 1:55:00 PM is: 3/17/20 04:51 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.50
Toluene		0.50	0.27 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Client Sample ID: 1117799-09-017-R Lab ID#: 2003411-11A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f031639 1.04		tion: 3/11/20 1:49:00 PM sis: 3/17/20 05:20 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.46
Toluene		0.50	0.25 U
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

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



Air Toxics

Client Sample ID: 1117811-10-017-R Lab ID#: 2003411-12A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031640 1.04		tion: 3/11/20 2:07:00 PM is: 3/17/20 05:48 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.57
Toluene		0.50	0.35 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117825-11-017-R Lab ID#: 2003411-13A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031641 1.04		tion: 3/11/20 2:54:00 PM is: 3/17/20 06:17 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.71
Toluene		0.50	0.41 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117829-12-017-R Lab ID#: 2003411-14A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031642 1.04		tion: 3/11/20 2:20:00 PM is: 3/17/20 06:45 AM tion: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.50
Toluene		0.50	0.31 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: 1117847-13-017-R Lab ID#: 2003411-15A EPA METHOD 325B GC/MS FULL SCAN

T

File Name: Dil. Factor:	f031643 1.04		on: 3/11/20 2:15:00 PM s: 3/17/20 07:14 AM on: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.38	0.51
Toluene		0.50	0.46 J
Ethyl Benzene		0.56	0.28 U
m,p-Xylene		0.56	0.28 U
o-Xylene		0.56	0.28 U

J = Estimated value.

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



Air Toxics

Client Sample ID: Lab Blank Lab ID#: 2003411-16A EPA METHOD 325B GC/MS FULL SCAN

Т

File Name: Dil. Factor:	f031604 1.00	Date of Collec Date of Analys Date of Extrac	is: 3/16/20 12:10 PM
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.37	0.18 U
Toluene		0.48	0.24 U
Ethyl Benzene		0.54	0.27 U
m,p-Xylene		0.54	0.27 U
o-Xylene		0.54	0.27 U

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



Client Sample ID: CCV Lab ID#: 2003411-17A EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f031626 1.00	Date of Collection: NA Date of Analysis: 3/16/20 11:15 PM
	Date of Extraction: NA	
Compound		%Recovery
Benzene	96	
Toluene		98
Ethyl Benzene	96	
m,p-Xylene		95
o-Xylene		97



Client Sample ID: CCV Lab ID#: 2003411-17B EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f031637 1.00	Date of Collection: NA Date of Analysis: 3/17/20 04:23 AM Date of Extraction: NA
Compound		%Recovery
Benzene		98
Toluene		99
Ethyl Benzene		98
m,p-Xylene		97
o-Xylene		99



Client Sample ID: CCV Lab ID#: 2003411-17C EPA METHOD 325B GC/MS FULL SCAN

File Name: Dil. Factor:	f031644 1.00	Date of Collection: NA Date of Analysis: 3/17/20 07:37 AM Date of Extraction: NA
Compound	%Recovery	
Benzene	101	
Toluene	102	
Ethyl Benzene	101	
m,p-Xylene	100	
o-Xylene		101