

12/31/2019
Ms. Jesse Miller
CAMSCO
6732 Mayard

Houston TX 77041

Project Name:
Project #:
Workorder #: 1912541

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 12/20/2019 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,



Ausha Scott
Project Manager

WORK ORDER #: 1912541

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:	12/20/2019	CONTACT:	Ausha Scott
DATE COMPLETED:	12/31/2019		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	1117994-01-011-R	EPA Method 325B
02A	1118004-01-011-D	EPA Method 325B
03A	1118006-02-011-R	EPA Method 325B
04A	1118033-03-011-R	EPA Method 325B
05A	1118034-04-011-R	EPA Method 325B
06A	1118047-05-011-R	EPA Method 325B
07A	1118048-06-011-R	EPA Method 325B
08A	1118064-06-011-B	EPA Method 325B
09A	1118076-07-011-R	EPA Method 325B
10A	1118080-08-011-R	EPA Method 325B
11A	1118098-09-011-R	EPA Method 325B
12A	1118101-10-011-R	EPA Method 325B
13A	1118111-11-011-R	EPA Method 325B
14A	1118114-12-011-R	EPA Method 325B
15A	1118118-13-011-R	EPA Method 325B
16A	Lab Blank	EPA Method 325B
17A	CCV	EPA Method 325B
17B	CCV	EPA Method 325B

CERTIFIED BY: 

 Technical Director

DATE: 12/31/19

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# 1912541

Fifteen Carbopack X CAMSCO samples were received on December 20, 2019. 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

The field blank 1118064-06-011-B contains greater than one-third of the measured target analyte Benzene in samples 1118076-07-011-R, 1118080-08-011-R, 1118098-09-011-R, 1118101-10-011-R and 1118118-13-011-R. Associated sample results are B-flagged to indicate a likely high bias due to field blank background.

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 between 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: 1117994-01-011-R

Lab ID#: 1912541-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	3.0
Toluene	0.50	1.4
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.46 J
o-Xylene	0.56	0.28 U

Client Sample ID: 1118004-01-011-D

Lab ID#: 1912541-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.9
Toluene	0.50	1.3
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.48 J
o-Xylene	0.56	0.28 U

Client Sample ID: 1118006-02-011-R

Lab ID#: 1912541-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.3
Toluene	0.50	1.2
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.38 J
o-Xylene	0.56	0.28 U

Client Sample ID: 1118033-03-011-R

Lab ID#: 1912541-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.0
Toluene	0.50	0.92

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

Client Sample ID: 1118033-03-011-R

Lab ID#: 1912541-04A

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: 1118034-04-011-R

Lab ID#: 1912541-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.97
Toluene	0.50	0.69
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: 1118047-05-011-R

Lab ID#: 1912541-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.89
Toluene	0.50	0.54
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: 1118048-06-011-R

Lab ID#: 1912541-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.81
Toluene	0.50	0.57
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: 1118064-06-011-B

Lab ID#: 1912541-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.26 J
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

Client Sample ID: 1118076-07-011-R

Lab ID#: 1912541-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.65 B
Toluene	0.50	0.81
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.34 J
o-Xylene	0.56	0.28 U

Client Sample ID: 1118080-08-011-R

Lab ID#: 1912541-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.50 B
Toluene	0.50	0.34 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: 1118098-09-011-R

Lab ID#: 1912541-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.47 B
Toluene	0.50	0.31 J

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

Client Sample ID: 1118098-09-011-R

Lab ID#: 1912541-11A

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: 1118101-10-011-R

Lab ID#: 1912541-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.69 B
Toluene	0.50	0.48 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: 1118111-11-011-R

Lab ID#: 1912541-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.50	0.69
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: 1118114-12-011-R

Lab ID#: 1912541-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.50	0.68
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: 1118118-13-011-R

Lab ID#: 1912541-15A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.60 B
Toluene	0.50	0.57
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: 1117994-01-011-R

Lab ID#: 1912541-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122106	Date of Collection:	12/18/19 1:20:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 03:29 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	3.0
Toluene	0.50	1.4
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.46 J
o-Xylene	0.56	0.28 U

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

J = Estimated value.

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118004-01-011-D

Lab ID#: 1912541-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122107	Date of Collection:	12/18/19 1:20:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 03:58 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.9
Toluene	0.50	1.3
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.48 J
o-Xylene	0.56	0.28 U

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

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118006-02-011-R

Lab ID#: 1912541-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122108	Date of Collection:	12/18/19 1:51:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 04:26 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.3
Toluene	0.50	1.2
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.38 J
o-Xylene	0.56	0.28 U

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

J = Estimated value.

Container Type: Carbopack X CAMSCO

Client Sample ID: 1118033-03-011-R

Lab ID#: 1912541-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122109	Date of Collection:	12/18/19 1:13:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 04:55 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.0
Toluene	0.50	0.92
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.

Container Type: Carbopack X CAMSCO

Client Sample ID: 1118034-04-011-R

Lab ID#: 1912541-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122110	Date of Collection:	12/18/19 1:00:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 05:23 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.97
Toluene	0.50	0.69
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.

Container Type: Carbopack X CAMSCO

Client Sample ID: 1118047-05-011-R

Lab ID#: 1912541-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122111	Date of Collection:	12/18/19 1:03:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 05:52 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.89
Toluene	0.50	0.54
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.

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118048-06-011-R

Lab ID#: 1912541-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122112	Date of Collection:	12/18/19 12:42:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 06:20 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.81
Toluene	0.50	0.57
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.

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118064-06-011-B

Lab ID#: 1912541-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122105	Date of Collection:	12/18/19 12:42:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 03:01 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.26 J
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

J = Estimated value.

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

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118076-07-011-R

Lab ID#: 1912541-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122113	Date of Collection:	12/18/19 12:40:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 06:49 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.65 B
Toluene	0.50	0.81
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.34 J
o-Xylene	0.56	0.28 U

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

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

J = Estimated value.

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118080-08-011-R

Lab ID#: 1912541-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122114	Date of Collection:	12/18/19 12:34:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 07:17 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.50 B
Toluene	0.50	0.34 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

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.

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

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118098-09-011-R

Lab ID#: 1912541-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122116	Date of Collection:	12/18/19 12:38:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 08:09 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.47 B
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

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.

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

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118101-10-011-R

Lab ID#: 1912541-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122117	Date of Collection:	12/18/19 12:51:00 P
Dil. Factor:	1.04	Date of Analysis:	12/21/19 08:37 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.69 B
Toluene	0.50	0.48 J
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

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.

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

Container Type: Carbopack X CAMSCO

Client Sample ID: 1118111-11-011-R

Lab ID#: 1912541-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122118	Date of Collection:	12/18/19 1:15:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 09:06 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.50	0.69
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.

Container Type: Carbopack X CAMSCO

Client Sample ID: 1118114-12-011-R
Lab ID#: 1912541-14A
EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122119	Date of Collection: 12/18/19 1:55:00 PM
Dil. Factor:	1.04	Date of Analysis: 12/21/19 09:34 PM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.50	0.68
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.

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118118-13-011-R

Lab ID#: 1912541-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122120	Date of Collection:	12/18/19 2:01:00 PM
Dil. Factor:	1.04	Date of Analysis:	12/21/19 10:03 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.60 B
Toluene	0.50	0.57
Ethyl Benzene	0.56	0.28 U
m,p-Xylene	0.56	0.28 U
o-Xylene	0.56	0.28 U

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

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

Container Type: Carbopack X CAMSCO

Client Sample ID: Lab Blank

Lab ID#: 1912541-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122104	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	12/21/19 01:09 PM
		Date of Extraction:	NA

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.

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1912541-17A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122115	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/21/19 07:41 PM
		Date of Extraction: NA

Compound	%Recovery
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Benzene	100
Toluene	104
Ethyl Benzene	102
m,p-Xylene	102
o-Xylene	103

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1912541-17B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f122126	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 12/22/19 12:49 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	98
Toluene	99
Ethyl Benzene	103
m,p-Xylene	104
o-Xylene	106

Container Type: NA - Not Applicable