

1/7/2020 Ms. Jesse Miller CAMSCO 6732 Mayard

Houston TX 77041

Project Name: Project #:

Workorder #: 2001033

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 1/3/2020 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,

Ausha Scott

Project Manager



WORK ORDER #: 2001033

Work Order Summary

CLIENT: Ms. Jesse Miller BILL TO: Mr. Jason Robles

CAMSCO CAMSCO 6732 Mayard 6732 Mayard Houston, TX 77041 Houston, TX 77041

PHONE: 713-983-0200 **P.O.**#

FAX: PROJECT #

DATE RECEIVED: 01/03/2020 CONTACT: Ausha Scott

DATE COMPLETED: 01/06/2020

FRACTION#	NAME	<u>TEST</u>
01A	1118130-01-012-R	EPA Method 325B
02A	1118141-01-012-D	EPA Method 325B
03A	1118161-02-012-R	EPA Method 325B
04A	1118190-03-012-R	EPA Method 325B
05A	1118228-04-012-R	EPA Method 325B
06A	1118237-05-012-R	EPA Method 325B
07A	1118256-06-012-R	EPA Method 325B
08A	1118269-06-012-B	EPA Method 325B
09A	1118271-07-012-R	EPA Method 325B
10A	1118292-08-012-R	EPA Method 325B
11A	1118293-09-012-R	EPA Method 325B
12A	1118301-10-012-R	EPA Method 325B
13A	1118302-11-012-R	EPA Method 325B
14A	1118319-12-012-R	EPA Method 325B
15A	1118323-13-012-R	EPA Method 325B
16A	Lab Blank	EPA Method 325B
17A	CCV	EPA Method 325B
17B	CCV	EPA Method 325B

	The	ide Player		
CERTIFIED BY:		00	DATE:	01/06/20

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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LABORATORY NARRATIVE ATM EPA 325B CAMSCO Workorder# 2001033

Fifteen Carbopack X CAMSCO samples were received on January 03, 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 15-day period.

The field duplicate pair 1118130-01-012-R and 1118141-01-012-D exceeded the method required 30%RPD criterion with a precision of 37 %RPD for m,p-Xylene. As required by the method, associated sample results from the monitoring period are qualified to indicate method precision was not met. The data qualifier "Pc" was applied to indicate that the sample concentrations of the sample and/or its duplicate were less than 2 times the reporting limit which likely influenced the measured precision.

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



Client Sample ID: 1118130-01-012-R

Lab ID#: 2001033-01A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	1.1
Toluene	0.46	0.83
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.27 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118141-01-012-D

Lab ID#: 2001033-02A

	Rpt. Limit	Amount (ug/m3)
Compound	(ug/m3)	
Benzene	0.35	1.1
Toluene	0.46	0.91
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.39 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118161-02-012-R

Lab ID#: 2001033-03A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	1.0
Toluene	0.46	0.86
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.29 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118190-03-012-R

Lab ID#: 2001033-04A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	1.0
Toluene	0.46	0.80



Client Sample ID: 1118190-03-012-R

Lab ID#: 2001033-04A

Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.29 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118228-04-012-R

Lab ID#: 2001033-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.35	0.93
Toluene	0.46	0.83
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.31 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118237-05-012-R

Lab ID#: 2001033-06A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	0.91
Toluene	0.46	0.90
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.34 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118256-06-012-R

Lab ID#: 2001033-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Compound Benzene	0.35	1.0
Toluene	0.46	0.89
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.35 JPC
o-Xylene	0.52	0.26 U



Client Sample ID: 1118269-06-012-B

Lab ID#: 2001033-08A

(ug/m3)	(ug/m3)
0.35	0.18 U
0.46	0.23 U
0.52	0.26 U
0.52	0.26 UPC
0.52	0.26 U
	0.46 0.52 0.52

Client Sample ID: 1118271-07-012-R

Lab ID#: 2001033-09A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	0.70
Toluene	0.46	0.64
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.26 UPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118292-08-012-R

Lab ID#: 2001033-10A

	Rpt. Limit	Amount (ug/m3)
Compound	(ug/m3)	
Benzene	0.35	0.61
Toluene	0.46	0.44 J
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.26 UPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118293-09-012-R

Lab ID#: 2001033-11A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	0.54
Toluene	0.46	0.44 J



Client Sample ID: 1118293-09-012-R

Lab ID#: 2001033-11A

Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.26 UPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118301-10-012-R

Lab ID#: 2001033-12A

	Rpt. Limit	Amount (ug/m3)
Compound	(ug/m3)	
Benzene	0.35	0.88
Toluene	0.46	0.84
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.28 JPC
o-Xylene	0.52	0.26 U

Dest. Lieute

Client Sample ID: 1118302-11-012-R

Lab ID#: 2001033-13A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	0.82
Toluene	0.46	0.74
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.28 JPC
o-Xylene	0.52	0.26 U

Client Sample ID: 1118319-12-012-R

Lab ID#: 2001033-14A

Rpt. Limit	Amount (ug/m3)
(ug/m3)	
0.35	0.72
0.46	0.70
0.52	0.26 U
0.52	0.26 UPC
0.52	0.26 U
	(ug/m3) 0.35 0.46 0.52 0.52



Client Sample ID: 1118323-13-012-R

Lab ID#: 2001033-15A

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	0.71
Toluene	0.46	0.84
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.30 JPC
o-Xylene	0.52	0.26 U



Client Sample ID: 1118130-01-012-R Lab ID#: 2001033-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010406	Date of Collection: 1/2/20 11:04:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 11:54 AM
		Date of Extraction, NA

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.35	1.1	
Toluene	0.46	0.83	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.27 JPC	
o-Xylene	0.52	0.26 U	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118141-01-012-D Lab ID#: 2001033-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010407	Date of Collection: 1/2/20 11:03:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 12:22 PM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Compound	<u>, </u>	(ug/iiis)
Benzene	0.35	1.1
Toluene	0.46	0.91
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.39 JPC
o-Xylene	0.52	0.26 U

 $[\]ensuremath{\mathsf{U}}$ = The analyte was not present above the Method Detection Limit.

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118161-02-012-R Lab ID#: 2001033-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010408	Date of Collection: 1/2/20 11:07:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 12:50 PM
		Date of Extraction: NA

Rpt. Limit	Amount
(ug/m3)	(ug/m3)
0.35	1.0
0.46	0.86
0.52	0.26 U
0.52	0.29 JPC
0.52	0.26 U
	0.35 0.46 0.52 0.52

 $[\]ensuremath{\mathsf{U}}$ = The analyte was not present above the Method Detection Limit.

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118190-03-012-R Lab ID#: 2001033-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010409	Date of Collection: 1/2/20 10:27:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 01:19 PM
		Date of Extraction: NA

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.35	1.0	
Toluene	0.46	0.80	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.29 JPC	
o-Xylene	0.52	0.26 U	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118228-04-012-R Lab ID#: 2001033-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010410	Date of Collection: 1/2/20 10:25:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 01:47 PM
		Date of Extraction: NA

Rpt. Limit	Amount	
(ug/m3)	(ug/m3)	
0.35	0.93	
0.46	0.83	
0.52	0.26 U	
0.52	0.31 JPC	
0.52	0.26 U	
	0.35 0.46 0.52 0.52	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118237-05-012-R Lab ID#: 2001033-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010411	Date of Collection: 1/2/20 10:22:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 02:16 PM
		Date of Extraction: NA

Rpt. Limit	Amount	
(ug/m3)	(ug/m3)	
0.35	0.91	
0.46	0.90	
0.52	0.26 U	
0.52	0.34 JPC	
0.52	0.26 U	
	0.35 0.46 0.52 0.52	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118256-06-012-R Lab ID#: 2001033-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010412	Date of Collection: 1/2/20 10:04:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 02:44 PM
		Date of Extraction: NA

	Rpt. Limit	Amount
Compound	(ug/m3)	(ug/m3)
Benzene	0.35	1.0
Toluene	0.46	0.89
Ethyl Benzene	0.52	0.26 U
m,p-Xylene	0.52	0.35 JPC
o-Xylene	0.52	0.26 U

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118269-06-012-B Lab ID#: 2001033-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010405	Date of Collection: 1/2/20 10:03:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 11:25 AM
		Data of Extraction, NA

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.35	0.18 U	
Toluene	0.46	0.23 U	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.26 UPC	
o-Xylene	0.52	0.26 U	

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

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118271-07-012-R Lab ID#: 2001033-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010413	Date of Collection: 1/2/20 10:01:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 03:13 PM
		Data of Extraction, NA

Rpt. Limit	Amount
(ug/m3)	(ug/m3)
0.35	0.70
0.46	0.64
0.52	0.26 U
0.52	0.26 UPC
0.52	0.26 U
	0.35 0.46 0.52 0.52

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

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118292-08-012-R Lab ID#: 2001033-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010414	Date of Collection: 1/2/20 9:58:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 03:41 PM
		Date of Extraction: NA

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.35	0.61	
Toluene	0.46	0.44 J	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.26 UPC	
o-Xylene	0.52	0.26 U	

J = Estimated value.

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

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118293-09-012-R Lab ID#: 2001033-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010416	Date of Collection: 1/2/20 9:51:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 04:32 PM
		Date of Extraction: NA

(ug/m3)	(ug/m3)
0.35	0.54
0.46	0.44 J
0.52	0.26 U
0.52	0.26 UPC
0.52	0.26 U
	0.46 0.52 0.52

J = Estimated value.

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

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118301-10-012-R Lab ID#: 2001033-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010417	Date of Collection: 1/2/20 10:13:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 05:01 PM
		Date of Extraction: NA

	Rpt. Limit	Amount	
Compound	(ug/m3)	(ug/m3)	
Benzene	0.35	0.88	
Toluene	0.46	0.84	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.28 JPC	
o-Xylene	0.52	0.26 U	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118302-11-012-R Lab ID#: 2001033-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010418	Date of Collection: 1/2/20 10:30:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 05:29 PM
		Data of Extraction, NA

Rpt. Limit	Amount
(ug/m3)	(ug/m3)
0.35	0.82
0.46	0.74
0.52	0.26 U
0.52	0.28 JPC
0.52	0.26 U
	0.35 0.46 0.52 0.52

 $[\]ensuremath{\mathsf{U}}$ = The analyte was not present above the Method Detection Limit.

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118319-12-012-R Lab ID#: 2001033-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010419	Date of Collection: 1/2/20 11:10:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 05:58 PM
		Data of Extraction, NA

Rpt. Limit	Amount
(ug/m3)	(ug/m3)
0.35	0.72
0.46	0.70
0.52	0.26 U
0.52	0.26 UPC
0.52	0.26 U
	0.35 0.46 0.52 0.52

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

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: 1118323-13-012-R Lab ID#: 2001033-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010420	Date of Collection: 1/2/20 11:15:00 AM
Dil. Factor:	1.04	Date of Analysis: 1/4/20 06:26 PM
		Date of Extraction: NA

	Rpt. Limit	Amount (ug/m3)	
Compound	(ug/m3)		
Benzene	0.35	0.71	
Toluene	0.46	0.84	
Ethyl Benzene	0.52	0.26 U	
m,p-Xylene	0.52	0.30 JPC	
o-Xylene	0.52	0.26 U	

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

J = Estimated value.

Pc = Field duplicate exceed 30% RPD, concentrations of sample and/or its duplicate less than 2 times reporting limit.



Client Sample ID: Lab Blank Lab ID#: 2001033-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name: f010404 Date of Collection: NA
Dil. Factor: 1.00 Date of Analysis: 1/4/20 10:36 AM
Date of Extraction: NA

	Rpt. Limit	Amount (ug/m3)	
Compound	(ug/m3)		
Benzene	0.34	0.17 U	
Toluene	0.44	0.22 U	
Ethyl Benzene	0.50	0.25 U	
m,p-Xylene	0.50	0.25 U	
o-Xylene	0.50	0.25 U	

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

Container Type: NA - Not Applicable



Client Sample ID: CCV Lab ID#: 2001033-17A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010415	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/4/20 04:04 PM
		Date of Extraction: NA

Compound	%Recovery	
Benzene	100	
Toluene	107	
Ethyl Benzene	104	
m,p-Xylene	103	
o-Xylene	106	

Container Type: NA - Not Applicable



Client Sample ID: CCV Lab ID#: 2001033-17B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f010426	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/4/20 09:12 PM
		Date of Extraction: NA

Compound	%Recovery	
Benzene	99	_
Toluene	106	
Ethyl Benzene	105	
m,p-Xylene	104	
o-Xylene	107	

Container Type: NA - Not Applicable