

9/6/2019
Ms. Jesse Miller
CAMSCO
6732 Mayard

Houston TX 77041

Project Name:
Project #:
Workorder #: 1908651

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 8/29/2019 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 #: 1908651

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:	08/29/2019	CONTACT:	Ausha Scott
DATE COMPLETED:	09/06/2019		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	1117994_DEP ECP 01-003-R	EPA Method 325B
02A	1118004_DEP ECP 01-003-D	EPA Method 325B
03A	1118006_DEP ECP 02-003-R	EPA Method 325B
04A	1118033_DEP ECP 03-003-R	EPA Method 325B
05A	1118047_DEP ECP 04-003-R	EPA Method 325B
06A	1118048_DEP ECP 05-003-R	EPA Method 325B
07A	1118064_DEP ECP 06-003-R	EPA Method 325B
08A	1118076_DEP ECP 06-003-B	EPA Method 325B
09A	1118080_DEP ECP 07-003-R	EPA Method 325B
10A	1118091_DEP ECP 08-003-R	EPA Method 325B
11A	1118098_DEP ECP 09-003-R	EPA Method 325B
12A	1118101_DEP ECP 10-003-R	EPA Method 325B
13A	1118111_DEP ECP 11-003-R	EPA Method 325B
14A	1118114_DEP ECP 12-003-R	EPA Method 325B
15A	1118118_DEP ECP 13-003-R	EPA Method 325B
16A	Lab Blank	EPA Method 325B
17A	CCV	EPA Method 325B
17B	CCV	EPA Method 325B
17C	CCV	EPA Method 325B

CERTIFIED BY:  DATE: 09/06/19

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: 10/18/2018, Expiration date: 10/17/2019.

Eurofins Air Toxics Inc.. 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# 1908651

Fifteen Carbopack X CAMSCO samples were received on August 29, 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

There were no analytical discrepancies.

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 replicate pair 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_DEP ECP 01-003-R

Lab ID#: 1908651-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	1.1
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.48 J
o-Xylene	0.54	0.27 U

Client Sample ID: 1118004_DEP ECP 01-003-D

Lab ID#: 1908651-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.8
Toluene	0.48	1.0
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.41 J
o-Xylene	0.54	0.27 U

Client Sample ID: 1118006_DEP ECP 02-003-R

Lab ID#: 1908651-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	0.69
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118033_DEP ECP 03-003-R

Lab ID#: 1908651-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.94
Toluene	0.48	0.53

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

Client Sample ID: 1118033_DEP ECP 03-003-R

Lab ID#: 1908651-04A

Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118047_DEP ECP 04-003-R

Lab ID#: 1908651-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.4
Toluene	0.48	1.1
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.39 J
o-Xylene	0.54	0.27 U

Client Sample ID: 1118048_DEP ECP 05-003-R

Lab ID#: 1908651-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.0
Toluene	0.48	0.92
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.32 J
o-Xylene	0.54	0.27 U

Client Sample ID: 1118064_DEP ECP 06-003-R

Lab ID#: 1908651-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	0.56
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

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

Client Sample ID: 1118076_DEP ECP 06-003-B

Lab ID#: 1908651-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.19 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

Client Sample ID: 1118080_DEP ECP 07-003-R

Lab ID#: 1908651-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	0.61
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118091_DEP ECP 08-003-R

Lab ID#: 1908651-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.73
Toluene	0.48	0.35 J
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118098_DEP ECP 09-003-R

Lab ID#: 1908651-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.67
Toluene	0.48	0.81

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

Client Sample ID: 1118098_DEP ECP 09-003-R

Lab ID#: 1908651-11A

Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118101_DEP ECP 10-003-R

Lab ID#: 1908651-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	0.51
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118111_DEP ECP 11-003-R

Lab ID#: 1908651-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.53
Toluene	0.48	0.55
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

Client Sample ID: 1118114_DEP ECP 12-003-R

Lab ID#: 1908651-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.59
Toluene	0.48	0.55
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 U

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

Client Sample ID: 1118118_DEP ECP 13-003-R

Lab ID#: 1908651-15A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.70
Toluene	0.48	0.56
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 J
o-Xylene	0.54	0.27 U

Client Sample ID: 1117994_DEP ECP 01-003-R

Lab ID#: 1908651-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083029	Date of Collection:	8/28/19 9:54:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/30/19 10:11 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	1.1
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.48 J
o-Xylene	0.54	0.27 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_DEP ECP 01-003-D

Lab ID#: 1908651-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083030	Date of Collection:	8/28/19 9:54:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/30/19 10:40 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.8
Toluene	0.48	1.0
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.41 J
o-Xylene	0.54	0.27 U

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

J = Estimated value.

Container Type: Carboxpack X CAMSCO



Air Toxics

Client Sample ID: 1118006_DEP ECP 02-003-R

Lab ID#: 1908651-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083031	Date of Collection:	8/28/19 10:05:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/30/19 11:08 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	0.69
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118033_DEP ECP 03-003-R

Lab ID#: 1908651-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083032	Date of Collection:	8/28/19 10:09:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/30/19 11:37 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.94
Toluene	0.48	0.53
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118047_DEP ECP 04-003-R

Lab ID#: 1908651-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083033	Date of Collection:	8/28/19 10:12:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 12:05 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.4
Toluene	0.48	1.1
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.39 J
o-Xylene	0.54	0.27 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: 1118048_DEP ECP 05-003-R

Lab ID#: 1908651-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083034	Date of Collection:	8/28/19 10:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 12:33 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.0
Toluene	0.48	0.92
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.32 J
o-Xylene	0.54	0.27 U

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

Container Type: Carbotack X CAMSCO



Air Toxics

Client Sample ID: 1118064_DEP ECP 06-003-R

Lab ID#: 1908651-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083035	Date of Collection:	8/28/19 10:19:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 01:02 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	0.56
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118076_DEP ECP 06-003-B

Lab ID#: 1908651-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083028	Date of Collection: 8/28/19 10:20:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/30/19 09:43 PM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.19 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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118080_DEP ECP 07-003-R

Lab ID#: 1908651-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083036	Date of Collection: 8/28/19 10:26:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/31/19 01:30 AM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	0.61
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118091_DEP ECP 08-003-R

Lab ID#: 1908651-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083038	Date of Collection:	8/28/19 10:29:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 02:21 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.73
Toluene	0.48	0.35 J
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 U
o-Xylene	0.54	0.27 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: 1118098_DEP ECP 09-003-R

Lab ID#: 1908651-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083039	Date of Collection:	8/28/19 10:33:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 02:50 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.67
Toluene	0.48	0.81
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118101_DEP ECP 10-003-R

Lab ID#: 1908651-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083040	Date of Collection: 8/28/19 11:01:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/31/19 03:18 AM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	0.51
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118111_DEP ECP 11-003-R

Lab ID#: 1908651-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083041	Date of Collection:	8/28/19 10:52:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 03:47 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.53
Toluene	0.48	0.55
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: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1118114_DEP ECP 12-003-R

Lab ID#: 1908651-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083042	Date of Collection:	8/28/19 11:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/31/19 04:15 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.59
Toluene	0.48	0.55
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: Carbopack X CAMSCO

Client Sample ID: 1118118_DEP ECP 13-003-R

Lab ID#: 1908651-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083043	Date of Collection: 8/28/19 11:21:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/31/19 04:43 AM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.70
Toluene	0.48	0.56
Ethyl Benzene	0.54	0.27 U
m,p-Xylene	0.54	0.27 J
o-Xylene	0.54	0.27 U

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

J = Estimated value.

Container Type: Carboxpack X CAMSCO

Client Sample ID: Lab Blank

Lab ID#: 1908651-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083004	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/30/19 10:21 AM
		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



Air Toxics

Client Sample ID: CCV

Lab ID#: 1908651-17A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083026	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/30/19 08:46 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	94
Toluene	98
Ethyl Benzene	102
m,p-Xylene	103
o-Xylene	102

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1908651-17B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083037	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/31/19 01:53 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	103
Toluene	106
Ethyl Benzene	112
m,p-Xylene	117
o-Xylene	110

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 1908651-17C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f083044	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/31/19 05:06 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	103
Toluene	109
Ethyl Benzene	109
m,p-Xylene	114
o-Xylene	114

Container Type: NA - Not Applicable