

4/8/2020
Ms. Jesse Miller
CAMSCO
6732 Mayard

Houston TX 77041

Project Name:
Project #:
Workorder #: 2004010A

Dear Ms. Jesse Miller

The following report includes the data for the above referenced project for sample(s) received on 4/1/2020 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 #: 2004010A

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:	04/01/2020	CONTACT:	Ausha Scott
DATE COMPLETED:	04/08/2020		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
03A	1117870-02-018-R	EPA Method 325B
04A	1117873-03-018-R	EPA Method 325B
05A	1117877-04-018-R	EPA Method 325B
06A	1117883-05-018-R	EPA Method 325B
07A	1117894-06-018-R	EPA Method 325B
08A	1117905-06-018-B	EPA Method 325B
09A	1117908-07-018-R	EPA Method 325B
10A	1117931-08-018-R	EPA Method 325B
11A	1117941-09-018-R	EPA Method 325B
12A	1117943-10-018-R	EPA Method 325B
13A	1117960-11-018-R	EPA Method 325B
14A	1117962-12-018-R	EPA Method 325B
15A	1117986-13-018-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: 04/08/20

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# 2004010A**

Thirteen Carbopack X CAMSCO samples were received on April 01, 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

Samples were collected over a period of 20 days which was outside the regulatory requirement of 14 +/- 1 days. A "D" flag was applied to the sample concentration to indicate non-compliance with the refinery sector rule section 63.658 (e) (1).

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: 1117870-02-018-R

Lab ID#: 2004010A-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.44 D
Toluene	0.34	0.22 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117873-03-018-R

Lab ID#: 2004010A-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.53 D
Toluene	0.34	0.24 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117877-04-018-R

Lab ID#: 2004010A-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.51 D
Toluene	0.34	0.27 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117883-05-018-R

Lab ID#: 2004010A-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.45 D
Toluene	0.34	0.22 JD

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

Client Sample ID: 1117883-05-018-R

Lab ID#: 2004010A-06A

Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117894-06-018-R

Lab ID#: 2004010A-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.52 D
Toluene	0.34	0.27 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117905-06-018-B

Lab ID#: 2004010A-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.13 UD
Toluene	0.34	0.17 UD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117908-07-018-R

Lab ID#: 2004010A-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.50 D
Toluene	0.34	0.22 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

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

Client Sample ID: 1117931-08-018-R

Lab ID#: 2004010A-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.40 D
Toluene	0.34	0.19 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117941-09-018-R

Lab ID#: 2004010A-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.41 D
Toluene	0.34	0.17 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117943-10-018-R

Lab ID#: 2004010A-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.44 D
Toluene	0.34	0.25 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117960-11-018-R

Lab ID#: 2004010A-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.47 D
Toluene	0.34	0.25 JD

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

Client Sample ID: 1117960-11-018-R

Lab ID#: 2004010A-13A

Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117962-12-018-R

Lab ID#: 2004010A-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.42 D
Toluene	0.34	0.26 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

Client Sample ID: 1117986-13-018-R

Lab ID#: 2004010A-15A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.46 D
Toluene	0.34	0.42 D
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD



Air Toxics

Client Sample ID: 1117870-02-018-R

Lab ID#: 2004010A-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040108	Date of Collection:	3/31/20 2:17:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 03:53 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.44 D
Toluene	0.34	0.22 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117873-03-018-R

Lab ID#: 2004010A-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040109	Date of Collection:	3/31/20 2:15:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 04:22 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.53 D
Toluene	0.34	0.24 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117877-04-018-R

Lab ID#: 2004010A-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040110	Date of Collection:	3/31/20 2:13:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 04:51 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.51 D
Toluene	0.34	0.27 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117883-05-018-R

Lab ID#: 2004010A-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040111	Date of Collection:	3/31/20 2:10:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 05:19 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.45 D
Toluene	0.34	0.22 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117894-06-018-R

Lab ID#: 2004010A-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040112	Date of Collection:	3/31/20 1:44:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 05:48 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.52 D
Toluene	0.34	0.27 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117905-06-018-B

Lab ID#: 2004010A-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040105	Date of Collection:	3/31/20 1:44:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 02:28 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.13 UD
Toluene	0.34	0.17 UD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117908-07-018-R

Lab ID#: 2004010A-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040113	Date of Collection:	3/31/20 1:41:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 06:16 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.50 D
Toluene	0.34	0.22 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117931-08-018-R

Lab ID#: 2004010A-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040114	Date of Collection:	3/31/20 1:39:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 06:45 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.40 D
Toluene	0.34	0.19 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117941-09-018-R

Lab ID#: 2004010A-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040116	Date of Collection:	3/31/20 1:34:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 07:36 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.41 D
Toluene	0.34	0.17 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117943-10-018-R

Lab ID#: 2004010A-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040117	Date of Collection:	3/31/20 1:53:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 08:05 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.44 D
Toluene	0.34	0.25 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117960-11-018-R

Lab ID#: 2004010A-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040118	Date of Collection:	3/31/20 2:08:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 08:33 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.47 D
Toluene	0.34	0.25 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117962-12-018-R

Lab ID#: 2004010A-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040119	Date of Collection:	3/31/20 2:38:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 09:02 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.42 D
Toluene	0.34	0.26 JD
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

J = Estimated value.

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO



Air Toxics

Client Sample ID: 1117986-13-018-R

Lab ID#: 2004010A-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040120	Date of Collection:	3/31/20 2:00:00 PM
Dil. Factor:	1.04	Date of Analysis:	4/1/20 09:30 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.27	0.46 D
Toluene	0.34	0.42 D
Ethyl Benzene	0.39	0.20 UD
m,p-Xylene	0.39	0.20 UD
o-Xylene	0.39	0.20 UD

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

D - Sample duration outside 14+/-1 days

Container Type: Carbopack X CAMSCO

Client Sample ID: Lab Blank

Lab ID#: 2004010A-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040104a	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	4/1/20 01:36 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.26	0.13 U
Toluene	0.33	0.17 U
Ethyl Benzene	0.38	0.19 U
m,p-Xylene	0.38	0.19 U
o-Xylene	0.38	0.19 U

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

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 2004010A-17A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040115	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/20 07:08 PM
		Date of Extraction: NA

Compound	%Recovery
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Benzene	96
Toluene	99
Ethyl Benzene	99
m,p-Xylene	97
o-Xylene	98

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2004010A-17B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f040126	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 4/1/20 11:47 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	96
Toluene	98
Ethyl Benzene	100
m,p-Xylene	98
o-Xylene	100

Container Type: NA - Not Applicable