

9/16/2024 Ms. Cheryl Tophinke Burns & McDonnell 425 South Wood Mill Road Suite 300 Chesterfield MO 63017

Project Name: AUS Fuels Fenceline Project #: 33133.50ENS-SLO.03 Workorder #: 2408774

Dear Ms. Cheryl Tophinke

The following report includes the data for the above referenced project for sample(s) received on 8/29/2024 at Eurofins Air Toxics LLC.

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 LLC. 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: Shannon Eubank at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Hannon Eubank

Shannon Eubank Project Manager

180 Blue Ravine Road, Suite B Folsom, CA 95630 T 916-985-1000 F 916-351-8279 www.airtoxics.com



WORK ORDER #: 2408774

Work Order Summary

CLIENT:	Ms. Cheryl Tophinke Burns & McDonnell 425 South Wood Mill Road Suite 300 Chesterfield, MO 63017	BILL TO:	Accounts Payable-Standard invoicing Burns & McDonnell 9400 Ward Parkway Kansas City, MO 64114
PHONE:	314-682-1653	P.O. #	215765
FAX:	314-682-1600	PROJECT #	33133.50ENS-SLO.03 AUS Fuels
DATE RECEIVED:	08/29/2024	CONTACT:	Fenceline Shannon Eubank
DATE COMPLETED:	09/16/2024		

FRACTION #	NAME	<u>TEST</u>
01A	Station 3	EPA Method 325B
02A	Station 4	EPA Method 325B
03A	Station 5	EPA Method 325B
04A	Duplicate	EPA Method 325B
05A	Field Blank	EPA Method 325B
06A	Station 1	EPA Method 325B
07A	Station 2	EPA Method 325B
08A	Lab Blank	EPA Method 325B
09A	CCV	EPA Method 325B

CERTIFIED BY:

cayes

DATE: <u>09/16/24</u>

Technical Director

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP–02089, MN NELAP-2703122, NH NELAP–209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935 Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20 Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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LABORATORY NARRATIVE ATM EPA 325B Burns & McDonnell Workorder# 2408774

Seven Carbopack B CAMSCO samples were received on August 29, 2024. 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 the required calculations in EPA Method 325B. These adjustments are reflected in the dilution factor.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Project specified analytes 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and 1,2,3-Trimethylbenzene are outside the laboratory's NELAP scope of accreditation. The reported concentrations were supported by an initial calibration compliant with EPA 325B and a desorption efficiency verification. A second source verification and a Method Detection Limit (MDL) study were not analyzed. In the absence of MDL values, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, and 1,2,3-Trimethylbenzene were evaluated to the Reporting Limit. All other analytes were reported to the MDL per method requirement.

The sample Field Blank contains greater than one-third of the measured target analyte Benzene in sample Station 2. 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 anomaly 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: Station 3

Lab ID#: 2408774-01A

Rpt. Limit (ug/m3)	Amount (ug/m3)	
0.39	0.64	
0.44	1.2	
0.50	0.25 U	
0.52	0.46 J	
0.52	0.26 U	
0.11	0.099 J	
	(ug/m3) 0.39 0.44 0.50 0.52 0.52	

Client Sample ID: Station 4

Lab ID#: 2408774-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)	
Benzene	0.39	0.71	
Toluene	0.44	2.2	
Ethyl Benzene	0.50	0.30 J	
m,p-Xylene	0.52	1.6	
o-Xylene	0.52	0.46 J	
Naphthalene	0.11	0.066 U	

Client Sample ID: Station 5

Lab ID#: 2408774-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)	
Benzene	0.39	0.96	
Toluene	0.44	4.6	
Ethyl Benzene	0.50	0.73	
m,p-Xylene	0.52	4.7	
o-Xylene	0.52	1.3	
Naphthalene	0.11	0.11	
1,2,4-Trimethylbenzene	0.56	1.8	
1,3,5-Trimethylbenzene	0.56	1.0	



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

Client Sample ID: Duplicate

Lab ID#: 2408774-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)	
Benzene	0.39	1.1	
Toluene	0.44	4.6	
Ethyl Benzene	0.50	0.72	
m,p-Xylene	0.52	4.5	
o-Xylene	0.52	1.2	
Naphthalene	0.11	0.12	
1,2,4-Trimethylbenzene	0.56	1.8	
1,3,5-Trimethylbenzene	0.56	1.0	

Client Sample ID: Field Blank

Lab ID#: 2408774-05A

Rpt. Limit	Amount (ug/m3)	
0.39	0.21 J	
0.44	0.22 U	
0.50	0.25 U	
0.52	0.26 U	
0.52	0.26 U	
0.11	0.066 U	
	(ug/m3) 0.39 0.44 0.50 0.52 0.52	

Client Sample ID: Station 1

Lab ID#: 2408774-06A

	Rpt. Limit	Amount (ug/m3)	
Compound	(ug/m3)		
Benzene	0.39	0.73	
Toluene	0.44	2.2	
Ethyl Benzene	0.50	0.30 J	
m,p-Xylene	0.52	1.6	
o-Xylene	0.52	0.46 J	
Naphthalene	0.11	0.066 U	



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

Client Sample ID: Station 2

Lab ID#: 2408774-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)	
Benzene	0.39	0.62 B	
Toluene	0.44	1.8	
Ethyl Benzene	0.50	0.25 U	
m,p-Xylene	0.52	1.3	
o-Xylene	0.52	0.38 J	
Naphthalene	0.11	0.066 U	



Client Sample ID: Station 3 Lab ID#: 2408774-01A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091407 0.992	Date	e of Collection: 8/28/24 9:54:00 AM e of Analysis: 9/14/24 12:47 PM e of Extraction: NA
Compound	-	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.39	0.64
Toluene		0.44	1.2
Ethyl Benzene		0.50	0.25 U
m,p-Xylene		0.52	0.46 J
o-Xylene		0.52	0.26 U
Naphthalene		0.11	0.099 J
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

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

J = Estimated value.



Air Toxics

Client Sample ID: Station 4 Lab ID#: 2408774-02A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091408 0.992	Da	ate of Collection: 8/28/24 10:01:00 AM ate of Analysis: 9/14/24 01:17 PM ate of Extraction: NA
Compound	Rpt. Limit (ug/m3)		Amount (ug/m3)
Benzene		0.39	0.71
Toluene		0.44	2.2
Ethyl Benzene		0.50	0.30 J
m,p-Xylene		0.52	1.6
o-Xylene		0.52	0.46 J
Naphthalene		0.11	0.066 U
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

 $\label{eq:J} \begin{array}{l} J = Estimated \mbox{ value}. \\ U = The \mbox{ analyte was not present above the Method Detection Limit.} \\ \hline \mbox{ Container Type: Carbopack B CAMSCO} \end{array}$



Client Sample ID: Station 5 Lab ID#: 2408774-03A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091409 0.992	Date	e of Collection: 8/28/24 10:09:00 AM e of Analysis: 9/14/24 01:47 PM e of Extraction: NA
Compound	Rpt. Limit (ug/m3)		Amount (ug/m3)
Benzene		0.39	0.96
Toluene		0.44	4.6
Ethyl Benzene		0.50	0.73
m,p-Xylene		0.52	4.7
o-Xylene		0.52	1.3
Naphthalene		0.11	0.11
1,2,4-Trimethylbenzene		0.56	1.8
1,3,5-Trimethylbenzene		0.56	1.0
1,2,3-Trimethylbenzene		0.56	Not Detected



Air Toxics

Client Sample ID: Duplicate Lab ID#: 2408774-04A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091410 0.992	Date of Collection: 8/28/24 10 Date of Analysis: 9/14/24 02:1 Date of Extraction: NA						
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)					
Benzene		0.39	1.1					
Toluene		0.44	4.6					
Ethyl Benzene		0.50	0.72					
m,p-Xylene		0.52	4.5					
o-Xylene		0.52	1.2					
Naphthalene		0.11	0.12					
1,2,4-Trimethylbenzene		0.56	1.8					
1,3,5-Trimethylbenzene		0.56	1.0					
1,2,3-Trimethylbenzene		0.56	Not Detected					



Air Toxics

Client Sample ID: Field Blank Lab ID#: 2408774-05A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091406 0.992	Date	of Collection: 8/28/24 10:13:00 AM of Analysis: 9/14/24 12:18 PM of Extraction: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.39	0.21 J
Toluene		0.44	0.22 U
Ethyl Benzene		0.50	0.25 U
m,p-Xylene		0.52	0.26 U
o-Xylene		0.52	0.26 U
Naphthalene		0.11	0.066 U
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

 $\label{eq:J} \begin{array}{l} J = Estimated \mbox{ value}. \\ U = The \mbox{ analyte was not present above the Method Detection Limit.} \\ \hline \mbox{ Container Type: Carbopack B CAMSCO} \end{array}$



Air Toxics

Client Sample ID: Station 1 Lab ID#: 2408774-06A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091411 0.992	Da	ate of Collection: 8/28/24 10:16:00 AM ate of Analysis: 9/14/24 02:46 PM ate of Extraction: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.39	0.73
Toluene		0.44	2.2
Ethyl Benzene		0.50	0.30 J
m,p-Xylene		0.52	1.6
o-Xylene		0.52	0.46 J
Naphthalene		0.11	0.066 U
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

 $\label{eq:J} \begin{array}{l} J = Estimated \mbox{ value}. \\ U = The \mbox{ analyte was not present above the Method Detection Limit.} \\ \hline \mbox{ Container Type: Carbopack B CAMSCO} \end{array}$



Client Sample ID: Station 2 Lab ID#: 2408774-07A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091412 0.992	Da	ate of Collection: 8/28/24 10:27:00 AM ate of Analysis: 9/14/24 03:16 PM ate of Extraction: NA
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.39	0.62 B
Toluene		0.44	1.8
Ethyl Benzene		0.50	0.25 U
m,p-Xylene		0.52	1.3
o-Xylene		0.52	0.38 J
Naphthalene		0.11	0.066 U
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

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.



Air Toxics

Client Sample ID: Lab Blank Lab ID#: 2408774-08A EPA METHOD 325B GC/MS FULL SCAN

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File Name: Dil. Factor:	80091405 1.00	ate of Collection: NA ate of Analysis: 9/14/24 11:30 AM ate of Extraction: NA	
Compound		Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene		0.39	0.20 U
Toluene		0.44	0.22 U
Ethyl Benzene		0.50	0.25 U
m,p-Xylene		0.53	0.26 U
o-Xylene		0.53	0.26 U
Naphthalene		0.11	0.066 U
1,2,4-Trimethylbenzene		0.56	Not Detected
1,3,5-Trimethylbenzene		0.56	Not Detected
1,2,3-Trimethylbenzene		0.56	Not Detected

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

Container Type: NA - Not Applicable



Client Sample ID: CCV Lab ID#: 2408774-09A EPA METHOD 325B GC/MS FULL SCAN

File Name:	80091413	Date of Collection: NA						
Dil. Factor:	1.00	Date of Analysis: 9/14/24 03:	41 PM					
		Date of Extraction: NA						
Compound		%Recovery						
Benzene		104						
Toluene		100						
Ethyl Benzene		98						
m,p-Xylene		98						
o-Xylene		98						
Naphthalene		98						
1,2,4-Trimethylbenzene		99						
1,3,5-Trimethylbenzene		97						
1,2,3-Trimethylbenzene		98						

Container Type: NA - Not Applicable



Method : EPA Method 325B-BTEX + Naph + TMB Isomers (ug/m3) 14 day (CB)

CAS Number	Compound	Rpt. Limit (ug/m3)
71-43-2	Benzene	0.39
108-88-3	Toluene	0.44
100-41-4	Ethyl Benzene	0.50
108-38-3	m,p-Xylene	0.53
95-47-6	o-Xylene	0.53
91-20-3	Naphthalene	0.11
95-63-6	1,2,4-Trimethylbenzene	0.56
108-67-8	1,3,5-Trimethylbenzene	0.56
526-73-8	1,2,3-Trimethylbenzene	0.56

Eurofins Air Toxics, Inc. 180 Blue Ravine Rd. Suite B Folsom, CA 95630 (916) 985-1000 Fax: (916) 351-8279

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			ement to he	ndicates that								2	~	FB	PUP	2	4	. 03	Station	Aushin, T	Freek F	McDon	324 24		
			Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, of samples.	It samples are shinned in								849 469	899462	899497	899496	899495	299 492	024168	Carbopack X Tube ID	Texar	Fenceline	nell			
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0	N	₋ab Use Only	any claim, deman	tato Eodoral and	Received by:	Mark	Received/by:	, , , , ,	5			8/14/24	14124	8/14/124	8/14/24	8/14/24	8/14/24	8/14/24	Date of Retrieval (mm/dd/yy)	Longt.	Sheryl Tophin	P.O.#	Case Seal#: 52	Chain o	
20	None Blue		d, or action, of any			Hendy						9:40	9:31	9:28	9:27	9:25	9:15	9:07	Time of Retrieval (hr:min)		ninke		#:5813959		
	Ice present or insulated cooler used?		tion, of any kind, related to the collection, handling, or shipping		Date	18 Jun	EQC Date												Location (gps)	÷			<u>م</u> Return Seal#:	ustody (Passive)	
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