

Fenceline Air Monitoring Summary

Client:	Sunoco LP
Location:	Sunoco Oil Terminal, 175 Front Street, Portland, Maine
Reporting Period:	2024 Quarter 3 (7/25/24 – 9/19/24)

On behalf of Sunoco LP (Sunoco), AECOM Technical Services, Inc. (AECOM) has prepared this data summary for the bi-weekly fenceline air sampling conducted during the indicated sampling period at the Sunoco Oil Terminal facility located at 175 Front Street in Portland, Maine. The fenceline air monitoring was conducted in accordance with the Fenceline Air Monitoring Plan and amendment developed by AECOM (March 2024) and Amendment 01 (November 2024) and based on the requirements of *Chapter 171: Control of Petroleum Storage Facilities, promulgated by the Maine Department of Environmental Protection (Maine DEP)*.

Fenceline air monitoring commenced on July 25, 2024, under control of Gulf Oil LP (Gulf Oil). Gulf transferred ownership of the 175 Front Street facility to Sunoco on August 29, 2024. This Quarterly Fenceline Air Monitoring Summary focuses on the data collected during the report period and includes project-to-date average concentrations since the project commenced.

Scope of Work

Fenceline air monitoring was conducted during the reporting period to evaluate ambient air conditions at the Sunoco facility property line (fenceline). The fenceline air monitoring procedure includes the following:

- Diffusive passive samplers are deployed at 12 locations for a sampling period of 14 days. Sampling is conducted in accordance with the Project Operating Procedure (POP): *Diffusive Passive Sampler Handling: Field Deployment and Shipment*, provided as part of the Fenceline Air Monitoring Plan.
- The collected samples are analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) using thermal desorption/gas chromatograph (GC)/mass spectrometry (MS) techniques, in accordance with EPA Test Method 325B: *Volatile Organic Compounds from Fugitive and Area Sources: Sampler Preparation and Analysis*.
- Wind speed, wind direction, temperature, and barometric pressure (BP) data is sourced from a nearby weather station at Portland International Jetport (PWM) for the sampling period to: provide data to the analytical laboratory to enable calculation of concentrations under field conditions; create wind roses for each sampling period; and determine the prevailing wind speed and wind direction during periods of elevated concentrations.

Fenceline Monitoring Summary

The fenceline air monitoring samples were collected approximately every 14 days between July 25, 2024, and September 19, 2025, and were shipped to Eurofins analytical laboratory for BTEX analysis. The following tables, figure, and attachments include the summaries and results from the reporting period:

- **Table 1:** Fenceline Air Monitoring Sampling Period Summary
- **Table 2:** Passive Sampler Location Coordinates
- **Figure 1:** Site Map Identifying Sampling Locations
- **Attachment 1:** Quarterly Results Summary
- **Attachment 2:** Sample Event Wind Roses and Field Observations
- **Attachment 3:** Analytical Reports

Table 1: Fenceline Air Monitoring Sampling Period Summary

Sample Period	Sample Duration (Days)	Wind Conditions	Average Temperature and Barometric Pressure	Comments
7/25/2024 – 8/8/2024	14	Calm 17.6% or predominately from the SSW-S and 2-10 mph	70.8°F & 29.96 “Hg	Sampling program commenced on 7/25/24.
8/8/2024 – 8/22/2024	14	Calm 17.2% or predominately from the WNW-WSW and 2-20 mph	66.9°F & 29.87 “Hg	NA
8/22/24 – 9/6/2024	15	Calm 21.5% or predominately from the SSW-S and 2-20 mph	64.8°F & 30.15 “Hg	Sampling collection delayed 1 day due to facility transition from Gulf to Sunoco.
9/6/2024 – 9/19/2024	13	Calm 27.7% or predominately from WNW-SSE and 2-20+ mph	63.1°F & 30.11 “Hg	Sample collection performed 1 day early to resume Thursday schedule.

Definitions:

- Calm – wind speeds less than 2.0 mph
- °F – degrees Fahrenheit
- “Hg – inches mercury
- mph – miles per hour
- NA – not applicable, no notable comments
- PS – passive sampling location
- µg/m³ – micrograms per cubic meter

Notes:

NA

Figure 1: Site Map Identifying Sampling Locations



Table 2: Passive Sampler Location Coordinates

Passive Sampler Identification	Latitude	Longitude
PS-1	43.6529556	-70.2370750
PS-2	43.6523972	-70.2364639
PS-3	43.6517472	-70.2364056
PS-4	43.6512556	-70.2370750
PS-5	43.6507889	-70.2376167
PS-6	43.6503278	-70.2381444
PS-7	43.6503222	-70.2389833
PS-8	43.6509167	-70.2395694
PS-9	43.6516690	-70.2402920
PS-10	43.6525639	-70.2397333
PS-11	43.6523833	-70.2385750
PS-12	43.6526889	-70.2380639

Definitions:

PS – Passive Sampler

Attachment 1: Quarterly Results Summary

Sample Code	Benzene ug/m3		Ethylbenzene ug/m3		m&p-Xylene ug/m3		o-Xylene ug/m3		Toluene ug/m3	
	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
PS-01-SA-20240808	3.4		1.6		4.8		1.7		11	
PS-02-SA-20240808	3.0		2.2		7.1		2.5		11	
PS-03-SA-20240808	1.6		0.86		2.6		0.96		4.7	
PS-04-SA-20240808	1.5		0.88		2.6		0.98		4.6	
PS-04-DU-20240808	1.5		0.85		2.6		0.95		4.6	
PS-05-SA-20240808	1.4		0.77		2.3		0.86		4.0	
PS-06-SA-20240808	1.3		0.70		2.0		0.74		3.8	
PS-07-SA-20240808	1.4		0.60		1.8		0.66		3.7	
PS-08-SA-20240808	2.3		0.76		2.3		0.82		5.9	
PS-09-SA-20240808	0.95		0.39	J	1.2		0.45	J	2.4	
PS-10-SA-20240808	1.1		0.45	J	1.4		0.54		2.6	
PS-11-SA-20240808	2.3		0.85		2.8		1.0		6.1	
PS-12-SA-20240808	2.7		1.2		4.1		1.5		8.6	
PS-12-FB-20240808	< 0.19	ND	< 0.27	ND	< 0.27	ND	< 0.27	ND	< 0.24	ND
PS-01-SA-20240822	2.0		0.90		2.9		1.1		5.8	
PS-02-SA-20240822	2.2		1.2		4.1		1.5		6.7	
PS-03-SA-20240822	1.5		0.76		2.4		0.87		4.0	
PS-04-SA-20240822	1.3		0.65		2.1		0.79		3.5	
PS-05-SA-20240822	1.0		0.47	J	1.5		0.56		2.5	
PS-05-DU-20240822	1.0		0.51	J	1.4		0.58		2.6	
PS-06-SA-20240822	1.0		0.44	J	1.4		0.55		2.6	
PS-07-SA-20240822	0.77		0.34	J	1.0		0.40	J	1.6	
PS-08-SA-20240822	1.9		0.67		2.1		0.77		4.8	
PS-08-FB-20240822	< 0.19	ND	< 0.27	ND	< 0.27	ND	< 0.27	ND	< 0.24	ND
PS-09-SA-20240822	1.2		0.47	J	1.6		0.59		3.0	
PS-10-SA-20240822	1.4		0.45	J	1.5		0.55		3.1	
PS-11-SA-20240822	2.2		0.91		2.9		1.1		6.0	
PS-12-SA-20240822	3.0		1.2		4.0		1.4		9.0	
PS-01-SA-20240906	3.9		1.8		6.2		2.2		12	
PS-02-SA-20240906	2.7		2.0		7.7		2.7		9.5	
PS-03-SA-20240906	1.5		0.77		2.6		0.94		4.2	
PS-03-FB-20240906	< 0.18	ND	< 0.26	ND	< 0.26	ND	< 0.26	ND	< 0.22	ND
PS-04-SA-20240906	1.8		1.1		3.9		1.4		5.6	
PS-05-SA-20240906	1.2		0.67		2.2		0.81		3.6	
PS-06-SA-20240906	1.2		0.58		1.9		0.72		3.6	
PS-07-SA-20240906	1.1		0.46	J	1.4		0.55		2.7	
PS-08-SA-20240906	1.2		0.52		1.7		0.60		3.1	
PS-09-SA-20240906	0.96		0.40	J	1.3		0.48	J	2.4	
PS-10-SA-20240906	1.2		0.52		1.7		0.63		3.1	
PS-10-DU-20240906	1.2		0.47	J	1.5		0.56		3.0	
PS-11-SA-20240906	2.3		0.99		3.3		1.2		6.4	
PS-12-SA-20240906	3.3		1.4		4.7		1.7		10	
PS-01-SA-20240919	3.8		1.6		5.4		1.9		12	
PS-01-FB-20240919	< 0.20	ND	< 0.29	ND	< 0.29	ND	< 0.29	ND	< 0.26	ND
PS-02-SA-20240919	3.6		3.0		12		3.7		13	
PS-03-SA-20240919	1.3		0.74		2.4		0.86		3.9	
PS-04-SA-20240919	1.4		0.87		3.0		1.0		4.7	
PS-05-SA-20240919	1.1		0.60		2.0		0.71		3.4	
PS-06-SA-20240919	1.1		0.55	J	1.7		0.67		3.3	
PS-07-SA-20240919	0.97		0.50	J	1.6		0.59		3.0	
PS-08-SA-20240919	1.2		0.70		2.3		0.87		4.0	
PS-09-SA-20240919	1.1		0.52	J	1.6		0.62		3.1	
PS-09-DU-20240919	1.1		0.52	J	1.7		0.62		3.1	
PS-10-SA-20240919	1.2		0.60		2.0		0.71		3.6	
PS-11-SA-20240919	2.3		1.1		3.6		1.3		6.9	
PS-12-SA-20240919	3.5		1.5		4.9		1.7		12	
Summary Statistics	Benzene ug/m3		Ethylbenzene ug/m3		m&p-Xylene ug/m3		o-Xylene ug/m3		Toluene ug/m3	
Quarterly Maximum	3.9		3		12		3.7		13	
Quarterly Average	1.8		0.9		3		1.1		5.4	
Rolling Annual Maximum	3.9		3		12		3.7		13	
Rolling Annual Average	1.8		0.9		3		1.1		5.4	

Quarterly (8/8/2024-9/19/2024)

Rolling annual (8/8/24-9/19/2024)

J: Estimated value. The analyte was detected between the method detection limit and the reporting limit

ND: That analyte was not present above the method detection level

PC: Field duplicate(s) exceed 30% RPD

PS: Passive Sampler

SA: Routine Sample

FB: Field Blank

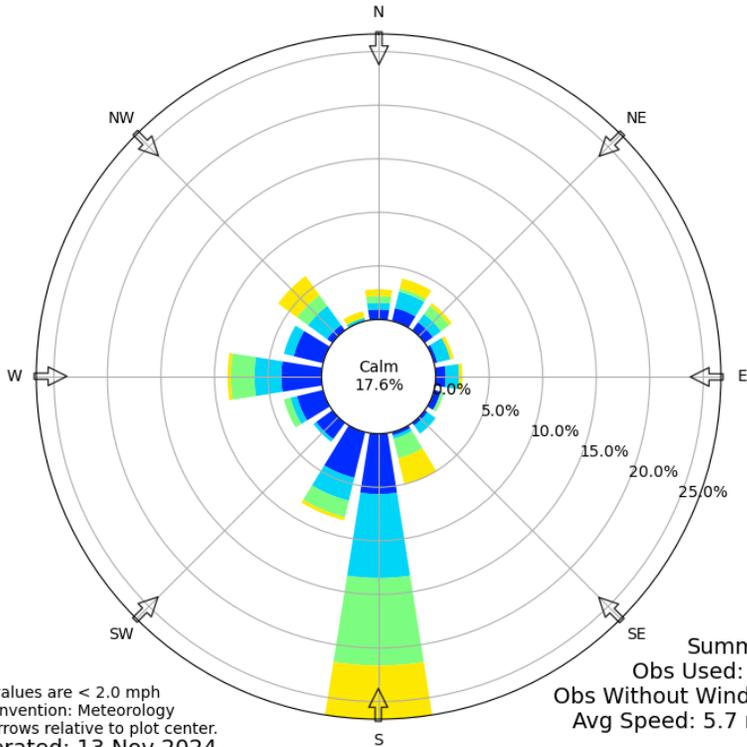
DU: Duplicate

Attachment 2: Sample Event Wind Roses and Field Observations

Sample Period: 7/25/2024 – 8/8/2025



Windrose Plot for [PWM] PORTLAND INTL JET
 Obs Between: 25 Jul 2024 01:51 PM - 08 Aug 2024 12:51 PM America/New_York



Calm values are < 2.0 mph
 Bar Convention: Meteorology
 Flow arrows relative to plot center.
 Generated: 13 Nov 2024

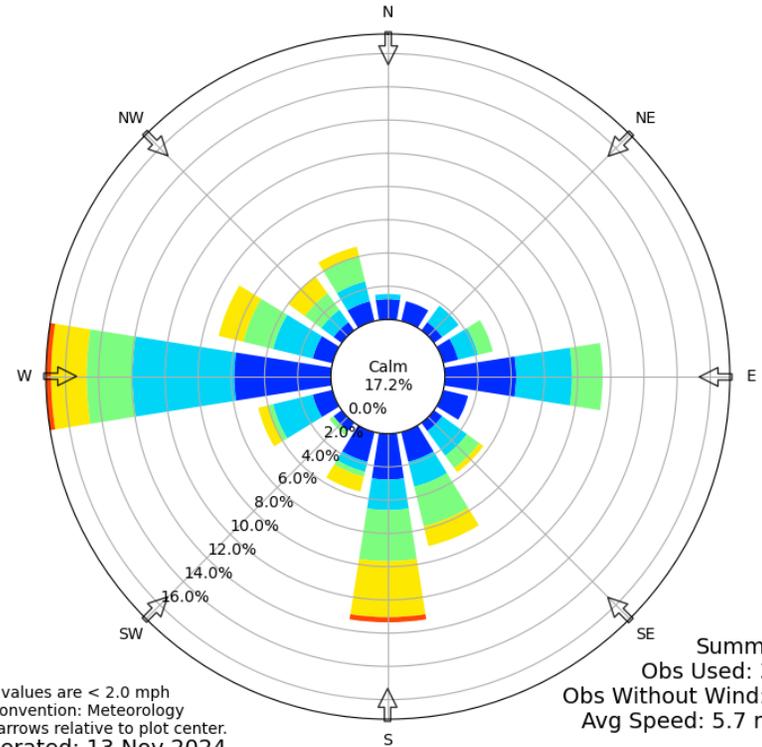
Summary
 Obs Used: 337
 Obs Without Wind: 18
 Avg Speed: 5.7 mph



Sample Period: 8/8/2024 – 8/22/2024



Windrose Plot for [PWM] PORTLAND INTL JET
 Obs Between: 08 Aug 2024 01:51 PM - 22 Aug 2024 12:51 PM America/New_York



Calm values are < 2.0 mph
 Bar Convention: Meteorology
 Flow arrows relative to plot center.
 Generated: 13 Nov 2024

Summary
 Obs Used: 336
 Obs Without Wind: 10
 Avg Speed: 5.7 mph



Field Observations:

- During the sample deployment and sample collection, AECOM did not identify any offsite activities that may have impacted the sample results.

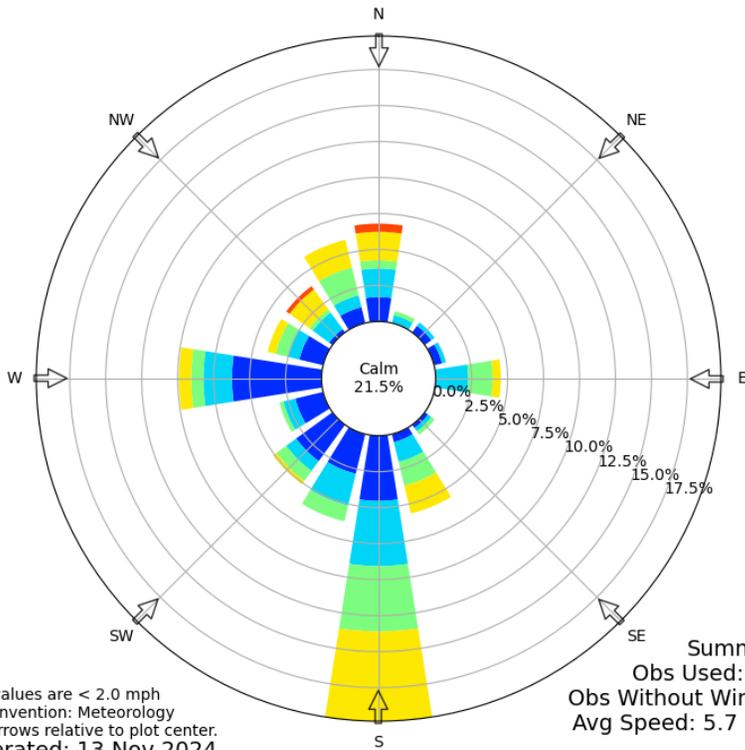
Field Observations:

- During the sample deployment and sample collection, AECOM did not identify any offsite activities that may have impacted the sample results.

Sample Period: 8/22/2024 – 9/6/2024



Windrose Plot for [PWM] PORTLAND INTL JET
 Obs Between: 22 Aug 2024 01:51 PM - 06 Sep 2024 12:51 PM America/New_York



Calm values are < 2.0 mph
 Bar Convention: Meteorology
 Flow arrows relative to plot center.
 Generated: 13 Nov 2024

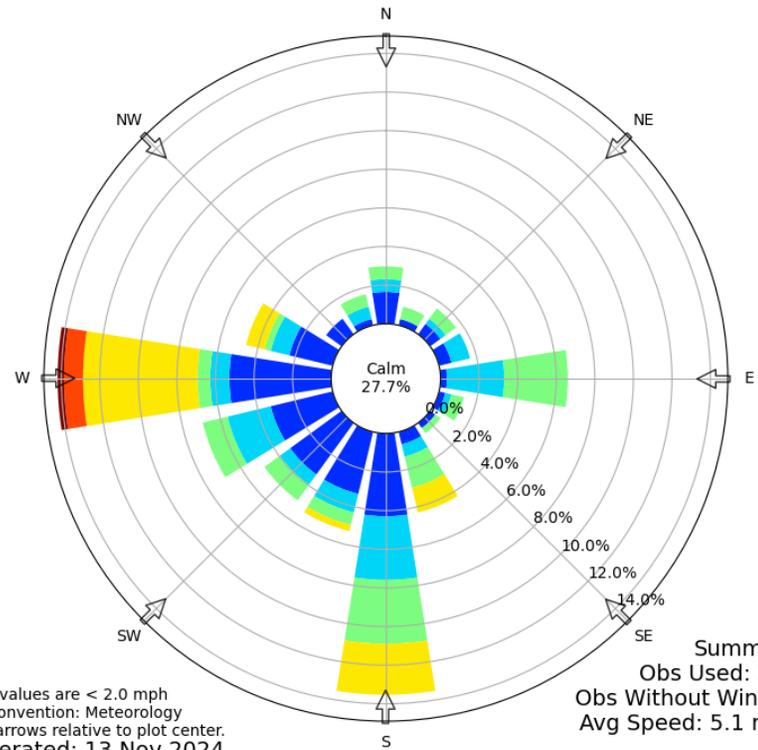
Summary
 Obs Used: 360
 Obs Without Wind: 7
 Avg Speed: 5.7 mph



Sample Period: 9/6/2024 – 9/19/2024

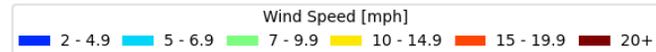


Windrose Plot for [PWM] PORTLAND INTL JET
 Obs Between: 06 Sep 2024 01:51 PM - 19 Sep 2024 12:51 PM America/New_York



Calm values are < 2.0 mph
 Bar Convention: Meteorology
 Flow arrows relative to plot center.
 Generated: 13 Nov 2024

Summary
 Obs Used: 310
 Obs Without Wind: 7
 Avg Speed: 5.1 mph



Field Observations:

- During the sample deployment and sample collection, AECOM did not identify any offsite activities that may have impacted the sample results.

Field Observations:

- During the sample deployment and sample collection, AECOM did not identify any offsite activities that may have impacted the sample results.

Attachment 3: Analytical Reports

9/6/2024

Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

Project Name: Gulf LP
Project #:
Workorder #: 2408258R1

Dear Ms. Melissa McLaughlin

The following report includes the data for the above referenced project for sample(s) received on 8/10/2024 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: Joel Tillman at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Joel Tillman
Project Manager

WORK ORDER #: 2408258R1

Work Order Summary

CLIENT:	Ms. Melissa McLaughlin AECOM Environment 250 Apollo Drive Chelmsford, MA 01824	BILL TO:	Accounts Payable-Chelmsford AECOM Environment 250 Apollo Drive Chelmsford, MA 01824
PHONE:	978.905.2100	P.O. #	1633908
FAX:	978.905.2101	PROJECT #	Gulf LP
DATE RECEIVED:	08/10/2024	CONTACT:	Joel Tillman
DATE COMPLETED:	08/23/2024		
DATE REISSUED:	09/06/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	2024-01-07-01-SA-BTX	EPA Method 325B
02A	2024-02-08-01-SA-BTX	EPA Method 325B
03A	2024-03-09-01-SA-BTX	EPA Method 325B
04A	2024-04-10-01-SA-BTX	EPA Method 325B
05A	2024-05-11-01-SA-BTX	EPA Method 325B
06A	2024-06-12-01-SA-BTX	EPA Method 325B
07A	2024-06-12-01-FB-BTX	EPA Method 325B
08A	2024-07-01-01-SA-BTX	EPA Method 325B
09A	2024-08-02-01-SA-BTX	EPA Method 325B
10A	2024-09-03-01-SA-BTX	EPA Method 325B
11A	2024-10-04-01-SA-BTX	EPA Method 325B
12A	2024-10-04-01-DU-BTX	EPA Method 325B
13A	2024-11-05-01-SA-BTX	EPA Method 325B
14A	2024-12-06-01-SA-BTX	EPA Method 325B
15A	Lab Blank	EPA Method 325B
16A	CCV	EPA Method 325B
16B	CCV	EPA Method 325B
16C	CCV	EPA Method 325B

CERTIFIED BY: 

 Technical Director

DATE: 09/06/24

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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.
 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2408258R1

Fourteen Carbopack X AC-PA samples were received on August 10, 2024. Fourteen Carbopack X AC-PA samples were received on August 12, 2024. Fourteen Carbopack X AC-PA samples were received on August 12, 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.

The work order was reissued on 9/6/24 to change sample identifications from 01-07-01-SA-BTX, 02-08-01-SA-BTX, 03-09-01-SA-BTX, 04-10-01-SA-BTX, 05-11-01-SA-BTX, 06-12-01-SA-BTX, 06-12-01-FB-BTX, 07-01-01-SA-BTX, 08-02-01-SA-BTX, 09-03-01-SA-BTX, 10-04-01-SA-BTX, 10-04-01-DU-BTX, 11-05-01-SA-BTX and 12-06-01-SA-BTX to 2024-01-07-01-SA-BTX, 2024-02-08-01-SA-BTX, 2024-03-09-01-SA-BTX, 2024-04-10-01-SA-BTX, 2024-05-11-01-SA-BTX, 2024-06-12-01-SA-BTX, 2024-06-12-01-FB-BTX, 2024-07-01-01-SA-BTX, 2024-08-02-01-SA-BTX, 2024-09-03-01-SA-BTX, 2024-10-04-01-SA-BTX, 2024-10-04-01-DU-BTX, 2024-11-05-01-SA-BTX and 2024-12-06-01-SA-BTX per the revised Chain of Custody (COC) provided by the client to the laboratory on 9/5/24.

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 sample and/or its duplicate less than 2 times reporting limit.

PI - 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: 2024-01-07-01-SA-BTX

Lab ID#: 2408258R1-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	3.7
Ethyl Benzene	0.54	0.60
m,p-Xylene	0.54	1.8
o-Xylene	0.54	0.66

Client Sample ID: 2024-02-08-01-SA-BTX

Lab ID#: 2408258R1-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.3
Toluene	0.48	5.9
Ethyl Benzene	0.54	0.76
m,p-Xylene	0.54	2.3
o-Xylene	0.54	0.82

Client Sample ID: 2024-03-09-01-SA-BTX

Lab ID#: 2408258R1-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.95
Toluene	0.48	2.4
Ethyl Benzene	0.54	0.39 J
m,p-Xylene	0.54	1.2
o-Xylene	0.54	0.45 J

Client Sample ID: 2024-04-10-01-SA-BTX

Lab ID#: 2408258R1-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.1
Toluene	0.48	2.6

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

Client Sample ID: 2024-04-10-01-SA-BTX

Lab ID#: 2408258R1-04A

Ethyl Benzene	0.54	0.45 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.54

Client Sample ID: 2024-05-11-01-SA-BTX

Lab ID#: 2408258R1-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.3
Toluene	0.48	6.1
Ethyl Benzene	0.54	0.85
m,p-Xylene	0.54	2.8
o-Xylene	0.54	1.0

Client Sample ID: 2024-06-12-01-SA-BTX

Lab ID#: 2408258R1-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.7
Toluene	0.48	8.6
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.1
o-Xylene	0.54	1.5

Client Sample ID: 2024-06-12-01-FB-BTX

Lab ID#: 2408258R1-07A

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

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

Client Sample ID: 2024-07-01-01-SA-BTX

Lab ID#: 2408258R1-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.4
Toluene	0.48	11
Ethyl Benzene	0.54	1.6
m,p-Xylene	0.54	4.8
o-Xylene	0.54	1.7

Client Sample ID: 2024-08-02-01-SA-BTX

Lab ID#: 2408258R1-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	11
Ethyl Benzene	0.54	2.2
m,p-Xylene	0.54	7.1
o-Xylene	0.54	2.5

Client Sample ID: 2024-09-03-01-SA-BTX

Lab ID#: 2408258R1-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.6
Toluene	0.48	4.7
Ethyl Benzene	0.54	0.86
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.96

Client Sample ID: 2024-10-04-01-SA-BTX

Lab ID#: 2408258R1-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.6

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

Client Sample ID: 2024-10-04-01-SA-BTX

Lab ID#: 2408258R1-11A

Ethyl Benzene	0.54	0.88
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.98

Client Sample ID: 2024-10-04-01-DU-BTX

Lab ID#: 2408258R1-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.6
Ethyl Benzene	0.54	0.85
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.95

Client Sample ID: 2024-11-05-01-SA-BTX

Lab ID#: 2408258R1-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	4.0
Ethyl Benzene	0.54	0.77
m,p-Xylene	0.54	2.3
o-Xylene	0.54	0.86

Client Sample ID: 2024-12-06-01-SA-BTX

Lab ID#: 2408258R1-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	3.8
Ethyl Benzene	0.54	0.70
m,p-Xylene	0.54	2.0
o-Xylene	0.54	0.74



Air Toxics

Client Sample ID: 2024-01-07-01-SA-BTX

Lab ID#: 2408258R1-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081611	Date of Collection:	8/8/24 10:43:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 02:20 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	3.7
Ethyl Benzene	0.54	0.60
m,p-Xylene	0.54	1.8
o-Xylene	0.54	0.66

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-02-08-01-SA-BTX

Lab ID#: 2408258R1-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081612	Date of Collection:	8/8/24 10:50:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 02:49 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.3
Toluene	0.48	5.9
Ethyl Benzene	0.54	0.76
m,p-Xylene	0.54	2.3
o-Xylene	0.54	0.82

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-03-09-01-SA-BTX

Lab ID#: 2408258R1-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081613	Date of Collection:	8/8/24 11:05:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 03:18 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.95
Toluene	0.48	2.4
Ethyl Benzene	0.54	0.39 J
m,p-Xylene	0.54	1.2
o-Xylene	0.54	0.45 J

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-04-10-01-SA-BTX

Lab ID#: 2408258R1-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081614	Date of Collection:	8/8/24 11:10:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 03:46 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.1
Toluene	0.48	2.6
Ethyl Benzene	0.54	0.45 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.54

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-05-11-01-SA-BTX

Lab ID#: 2408258R1-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081615	Date of Collection:	8/8/24 11:15:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 04:16 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.3
Toluene	0.48	6.1
Ethyl Benzene	0.54	0.85
m,p-Xylene	0.54	2.8
o-Xylene	0.54	1.0

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-06-12-01-SA-BTX

Lab ID#: 2408258R1-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081616	Date of Collection: 8/8/24 11:21:00 AM
Dil. Factor:	1.00	Date of Analysis: 8/16/24 04:45 PM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.7
Toluene	0.48	8.6
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.1
o-Xylene	0.54	1.5

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-06-12-01-FB-BTX

Lab ID#: 2408258R1-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081610	Date of Collection:	8/8/24 11:21:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 01:51 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 AC-PA



Air Toxics

Client Sample ID: 2024-07-01-01-SA-BTX

Lab ID#: 2408258R1-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081617	Date of Collection:	8/8/24 11:27:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 05:13 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.4
Toluene	0.48	11
Ethyl Benzene	0.54	1.6
m,p-Xylene	0.54	4.8
o-Xylene	0.54	1.7

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-08-02-01-SA-BTX

Lab ID#: 2408258R1-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081618	Date of Collection:	8/8/24 11:34:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 05:42 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	11
Ethyl Benzene	0.54	2.2
m,p-Xylene	0.54	7.1
o-Xylene	0.54	2.5

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-09-03-01-SA-BTX

Lab ID#: 2408258R1-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081619	Date of Collection:	8/8/24 11:40:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 06:11 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.6
Toluene	0.48	4.7
Ethyl Benzene	0.54	0.86
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.96

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-10-04-01-SA-BTX

Lab ID#: 2408258R1-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081621	Date of Collection:	8/8/24 11:45:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 07:07 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.6
Ethyl Benzene	0.54	0.88
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.98

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-10-04-01-DU-BTX

Lab ID#: 2408258R1-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081622	Date of Collection:	8/8/24 11:45:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 07:35 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.6
Ethyl Benzene	0.54	0.85
m,p-Xylene	0.54	2.6
o-Xylene	0.54	0.95

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-11-05-01-SA-BTX

Lab ID#: 2408258R1-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081623	Date of Collection:	8/8/24 11:51:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 08:04 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	4.0
Ethyl Benzene	0.54	0.77
m,p-Xylene	0.54	2.3
o-Xylene	0.54	0.86

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-12-06-01-SA-BTX

Lab ID#: 2408258R1-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081624	Date of Collection:	8/8/24 11:55:00 AM
Dil. Factor:	1.00	Date of Analysis:	8/16/24 08:33 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	3.8
Ethyl Benzene	0.54	0.70
m,p-Xylene	0.54	2.0
o-Xylene	0.54	0.74

Container Type: Carbopack X AC-PA

Client Sample ID: Lab Blank

Lab ID#: 2408258R1-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081604	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/16/24 10:49 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#: 2408258R1-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081609	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/24 01:23 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	92
Toluene	102
Ethyl Benzene	96
m,p-Xylene	98
o-Xylene	96

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2408258R1-16B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081620	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/24 06:38 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	90
Toluene	97
Ethyl Benzene	94
m,p-Xylene	96
o-Xylene	94

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2408258R1-16C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10081631	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/16/24 11:45 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	96
Toluene	106
Ethyl Benzene	102
m,p-Xylene	105
o-Xylene	104

Container Type: NA - Not Applicable

Method : EPA Method 325B-BTEX (ug/m3) 14-day

CAS Number	Compound	Rpt. Limit (ug/m3)
71-43-2	Benzene	0.37
108-88-3	Toluene	0.48
100-41-4	Ethyl Benzene	0.54
108-38-3	m,p-Xylene	0.54
95-47-6	o-Xylene	0.54

9/4/2024

Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

Project Name: Gulf LP

Project #:

Workorder #: 2408615

Dear Ms. Melissa McLaughlin

The following report includes the data for the above referenced project for sample(s) received on 8/23/2024 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: Joel Tillman at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Joel Tillman

Project Manager

WORK ORDER #: 2408615

Work Order Summary

CLIENT:	Ms. Melissa McLaughlin AECOM Environment 250 Apollo Drive Chelmsford, MA 01824	BILL TO:	Accounts Payable-Chelmsford AECOM Environment 250 Apollo Drive Chelmsford, MA 01824
PHONE:	978.905.2100	P.O. #	1633908
FAX:	978.905.2101	PROJECT #	Gulf LP
DATE RECEIVED:	08/23/2024	CONTACT:	Joel Tillman
DATE COMPLETED:	09/04/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	01-07-02-SA-BTX	EPA Method 325B
02A	02-08-02-SA-BTX	EPA Method 325B
03A	02-08-02-FB-BTX	EPA Method 325B
04A	03-09-02-SA-BTX	EPA Method 325B
05A	04-10-02-SA-BTX	EPA Method 325B
06A	05-11-02-SA-BTX	EPA Method 325B
07A	06-12-02-SA-BTX	EPA Method 325B
08A	07-01-02-SA-BTX	EPA Method 325B
09A	08-02-02-SA-BTX	EPA Method 325B
10A	09-03-02-SA-BTX	EPA Method 325B
11A	10-04-02-SA-BTX	EPA Method 325B
12A	11-05-02-SA-BTX	EPA Method 325B
13A	11-05-02-DU-BTX	EPA Method 325B
14A	12-06-02-SA-BTX	EPA Method 325B
15A	Lab Blank	EPA Method 325B
16A	CCV	EPA Method 325B
16B	CCV	EPA Method 325B
16C	CCV	EPA Method 325B

CERTIFIED BY: 

 Technical Director

DATE: 09/04/24

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.

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2408615

Fourteen Carbopack X AC-PA samples were received on August 23, 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

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 sample and/or its duplicate less than 2 times reporting limit.

PI - 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: 01-07-02-SA-BTX

Lab ID#: 2408615-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.77
Toluene	0.48	1.6
Ethyl Benzene	0.54	0.34 J
m,p-Xylene	0.54	1.0
o-Xylene	0.54	0.40 J

Client Sample ID: 02-08-02-SA-BTX

Lab ID#: 2408615-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.9
Toluene	0.48	4.8
Ethyl Benzene	0.54	0.67
m,p-Xylene	0.54	2.1
o-Xylene	0.54	0.77

Client Sample ID: 02-08-02-FB-BTX

Lab ID#: 2408615-03A

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: 03-09-02-SA-BTX

Lab ID#: 2408615-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	3.0

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

Client Sample ID: 03-09-02-SA-BTX

Lab ID#: 2408615-04A

Ethyl Benzene	0.54	0.47 J
m,p-Xylene	0.54	1.6
o-Xylene	0.54	0.59

Client Sample ID: 04-10-02-SA-BTX

Lab ID#: 2408615-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	3.1
Ethyl Benzene	0.54	0.45 J
m,p-Xylene	0.54	1.5
o-Xylene	0.54	0.55

Client Sample ID: 05-11-02-SA-BTX

Lab ID#: 2408615-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.2
Toluene	0.48	6.0
Ethyl Benzene	0.54	0.91
m,p-Xylene	0.54	2.9
o-Xylene	0.54	1.1

Client Sample ID: 06-12-02-SA-BTX

Lab ID#: 2408615-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	9.0
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.0
o-Xylene	0.54	1.4

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

Client Sample ID: 07-01-02-SA-BTX

Lab ID#: 2408615-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.0
Toluene	0.48	5.8
Ethyl Benzene	0.54	0.90
m,p-Xylene	0.54	2.9
o-Xylene	0.54	1.1

Client Sample ID: 08-02-02-SA-BTX

Lab ID#: 2408615-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.2
Toluene	0.48	6.7
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.1
o-Xylene	0.54	1.5

Client Sample ID: 09-03-02-SA-BTX

Lab ID#: 2408615-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.0
Ethyl Benzene	0.54	0.76
m,p-Xylene	0.54	2.4
o-Xylene	0.54	0.87

Client Sample ID: 10-04-02-SA-BTX

Lab ID#: 2408615-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	3.5

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

Client Sample ID: 10-04-02-SA-BTX

Lab ID#: 2408615-11A

Ethyl Benzene	0.54	0.65
m,p-Xylene	0.54	2.1
o-Xylene	0.54	0.79

Client Sample ID: 11-05-02-SA-BTX

Lab ID#: 2408615-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.5
Ethyl Benzene	0.54	0.47 J
m,p-Xylene	0.54	1.5
o-Xylene	0.54	0.56

Client Sample ID: 11-05-02-DU-BTX

Lab ID#: 2408615-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.6
Ethyl Benzene	0.54	0.51 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.58

Client Sample ID: 12-06-02-SA-BTX

Lab ID#: 2408615-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.6
Ethyl Benzene	0.54	0.44 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.55

Client Sample ID: 01-07-02-SA-BTX

Lab ID#: 2408615-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082825	Date of Collection:	8/22/24 8:37:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 08:37 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	0.77
Toluene	0.48	1.6
Ethyl Benzene	0.54	0.34 J
m,p-Xylene	0.54	1.0
o-Xylene	0.54	0.40 J

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 02-08-02-SA-BTX

Lab ID#: 2408615-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082826	Date of Collection:	8/22/24 8:45:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 09:06 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.9
Toluene	0.48	4.8
Ethyl Benzene	0.54	0.67
m,p-Xylene	0.54	2.1
o-Xylene	0.54	0.77

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 02-08-02-FB-BTX

Lab ID#: 2408615-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082824	Date of Collection:	8/22/24 8:45:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 08:07 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 AC-PA



Air Toxics

Client Sample ID: 03-09-02-SA-BTX

Lab ID#: 2408615-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082827	Date of Collection:	8/22/24 8:53:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 09:34 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.2
Toluene	0.48	3.0
Ethyl Benzene	0.54	0.47 J
m,p-Xylene	0.54	1.6
o-Xylene	0.54	0.59

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 04-10-02-SA-BTX

Lab ID#: 2408615-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082828	Date of Collection:	8/22/24 9:00:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 10:03 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.4
Toluene	0.48	3.1
Ethyl Benzene	0.54	0.45 J
m,p-Xylene	0.54	1.5
o-Xylene	0.54	0.55

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 05-11-02-SA-BTX

Lab ID#: 2408615-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082829	Date of Collection:	8/22/24 9:10:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 10:32 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.2
Toluene	0.48	6.0
Ethyl Benzene	0.54	0.91
m,p-Xylene	0.54	2.9
o-Xylene	0.54	1.1

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 06-12-02-SA-BTX

Lab ID#: 2408615-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082830	Date of Collection:	8/22/24 9:16:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 11:00 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	3.0
Toluene	0.48	9.0
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.0
o-Xylene	0.54	1.4

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 07-01-02-SA-BTX

Lab ID#: 2408615-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082831	Date of Collection:	8/22/24 9:22:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 11:29 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.0
Toluene	0.48	5.8
Ethyl Benzene	0.54	0.90
m,p-Xylene	0.54	2.9
o-Xylene	0.54	1.1

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 08-02-02-SA-BTX

Lab ID#: 2408615-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082832	Date of Collection:	8/22/24 9:29:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/28/24 11:58 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	2.2
Toluene	0.48	6.7
Ethyl Benzene	0.54	1.2
m,p-Xylene	0.54	4.1
o-Xylene	0.54	1.5

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 09-03-02-SA-BTX

Lab ID#: 2408615-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082833	Date of Collection:	8/22/24 9:37:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/29/24 12:26 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.5
Toluene	0.48	4.0
Ethyl Benzene	0.54	0.76
m,p-Xylene	0.54	2.4
o-Xylene	0.54	0.87

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 10-04-02-SA-BTX

Lab ID#: 2408615-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082835	Date of Collection:	8/22/24 9:45:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/29/24 01:23 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.3
Toluene	0.48	3.5
Ethyl Benzene	0.54	0.65
m,p-Xylene	0.54	2.1
o-Xylene	0.54	0.79

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 11-05-02-SA-BTX

Lab ID#: 2408615-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082836	Date of Collection:	8/22/24 9:50:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/29/24 01:52 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.5
Ethyl Benzene	0.54	0.47 J
m,p-Xylene	0.54	1.5
o-Xylene	0.54	0.56

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 11-05-02-DU-BTX

Lab ID#: 2408615-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082837	Date of Collection:	8/22/24 9:50:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/29/24 02:20 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.6
Ethyl Benzene	0.54	0.51 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.58

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 12-06-02-SA-BTX

Lab ID#: 2408615-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082838	Date of Collection:	8/22/24 9:57:00 AM
Dil. Factor:	1.01	Date of Analysis:	8/29/24 02:49 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.37	1.0
Toluene	0.48	2.6
Ethyl Benzene	0.54	0.44 J
m,p-Xylene	0.54	1.4
o-Xylene	0.54	0.55

J = Estimated value.

Container Type: Carbopack X AC-PA

Client Sample ID: Lab Blank

Lab ID#: 2408615-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082804	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	8/28/24 10:26 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#: 2408615-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082823	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/28/24 07:39 PM
		Date of Extraction: NA

Compound	%Recovery
Benzene	81
Toluene	87
Ethyl Benzene	87
m,p-Xylene	88
o-Xylene	89

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2408615-16B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082834	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/29/24 12:54 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	93
Toluene	97
Ethyl Benzene	94
m,p-Xylene	96
o-Xylene	95

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2408615-16C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	10082839	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 8/29/24 03:17 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	90
Toluene	94
Ethyl Benzene	91
m,p-Xylene	95
o-Xylene	94

Container Type: NA - Not Applicable

Method : EPA Method 325B-BTEX (ug/m3) 14-day

CAS Number	Compound	Rpt. Limit (ug/m3)
71-43-2	Benzene	0.37
108-88-3	Toluene	0.48
100-41-4	Ethyl Benzene	0.54
108-38-3	m,p-Xylene	0.54
95-47-6	o-Xylene	0.54

9/23/2024

Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

Project Name: SUNOCO LP (FORMERLY GULF)

Project #:

Workorder #: 2409187

Dear Ms. Melissa McLaughlin

The following report includes the data for the above referenced project for sample(s) received on 9/11/2024 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: Joel Tillman at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Joel Tillman

Project Manager

WORK ORDER #: 2409187

Work Order Summary

CLIENT:	Ms. Melissa McLaughlin AECOM Environment 250 Apollo Drive Chelmsford, MA 01824	BILL TO:	Accounts Payable-Chelmsford AECOM Environment 250 Apollo Drive Chelmsford, MA 01824
PHONE:	978.905.2100	P.O. #	1633908
FAX:	978.905.2101	PROJECT #	SUNOCO LP (FORMERLY GULF)
DATE RECEIVED:	09/11/2024	CONTACT:	Joel Tillman
DATE COMPLETED:	09/23/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	2024-01-07-03-SA-BTX	EPA Method 325B
02A	2024-02-08-03-SA-BTX	EPA Method 325B
03A	2024-03-09-03-SA-BTX	EPA Method 325B
04A	2024-04-10-03-SA-BTX	EPA Method 325B
05A	2024-04-10-03-DU-BTX	EPA Method 325B
06A	2024-05-11-03-SA-BTX	EPA Method 325B
07A	2024-06-12-03-SA-BTX	EPA Method 325B
08A	2024-07-01-03-SA-BTX	EPA Method 325B
09A	2024-08-02-03-SA-BTX	EPA Method 325B
10A	2024-09-03-03-SA-BTX	EPA Method 325B
11A	2024-09-03-03-FB-BTX	EPA Method 325B
12A	2024-10-04-03-SA-BTX	EPA Method 325B
13A	2024-11-05-03-SA-BTX	EPA Method 325B
14A	2024-12-06-03-SA-BTX	EPA Method 325B
15A	Lab Blank	EPA Method 325B
16A	CCV	EPA Method 325B
16B	CCV	EPA Method 325B
16C	CCV	EPA Method 325B
16D	CCV	EPA Method 325B

CERTIFIED BY: 

 Technical Director

DATE: 09/23/24

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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.
 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2409187

Fourteen Carbopack X AC-PA samples were received on September 11, 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

The Chain of Custody (COC) information for sample 2024-09-03-03-FB-BTX did not match the information on the tube with regard to tube identification/barcode. The sample labeled 9111384 on the COC is labeled as 911384 on the tube. Unless otherwise notified, Eurofins Air Toxics will proceed with the analysis using the information on the tube to process and report the sample.

Analytical Notes

All samples were collected over a 15-day period.

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.

PI - 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: 2024-01-07-03-SA-BTX

Lab ID#: 2409187-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.1
Toluene	0.44	2.7
Ethyl Benzene	0.51	0.46 J
m,p-Xylene	0.51	1.4
o-Xylene	0.51	0.55

Client Sample ID: 2024-02-08-03-SA-BTX

Lab ID#: 2409187-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.1
Ethyl Benzene	0.51	0.52
m,p-Xylene	0.51	1.7
o-Xylene	0.51	0.60

Client Sample ID: 2024-03-09-03-SA-BTX

Lab ID#: 2409187-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	0.96
Toluene	0.44	2.4
Ethyl Benzene	0.51	0.40 J
m,p-Xylene	0.51	1.3
o-Xylene	0.51	0.48 J

Client Sample ID: 2024-04-10-03-SA-BTX

Lab ID#: 2409187-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.1

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

Client Sample ID: 2024-04-10-03-SA-BTX

Lab ID#: 2409187-04A

Ethyl Benzene	0.51	0.52
m,p-Xylene	0.51	1.7
o-Xylene	0.51	0.63

Client Sample ID: 2024-04-10-03-DU-BTX

Lab ID#: 2409187-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.0
Ethyl Benzene	0.51	0.47 J
m,p-Xylene	0.51	1.5
o-Xylene	0.51	0.56

Client Sample ID: 2024-05-11-03-SA-BTX

Lab ID#: 2409187-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	2.3
Toluene	0.44	6.4
Ethyl Benzene	0.51	0.99
m,p-Xylene	0.51	3.3
o-Xylene	0.51	1.2

Client Sample ID: 2024-06-12-03-SA-BTX

Lab ID#: 2409187-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	3.3
Toluene	0.44	10
Ethyl Benzene	0.51	1.4
m,p-Xylene	0.51	4.7
o-Xylene	0.51	1.7

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

Client Sample ID: 2024-07-01-03-SA-BTX

Lab ID#: 2409187-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	3.9
Toluene	0.44	12
Ethyl Benzene	0.51	1.8
m,p-Xylene	0.51	6.2
o-Xylene	0.51	2.2

Client Sample ID: 2024-08-02-03-SA-BTX

Lab ID#: 2409187-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	2.7
Toluene	0.44	9.5
Ethyl Benzene	0.51	2.0
m,p-Xylene	0.51	7.7
o-Xylene	0.51	2.7

Client Sample ID: 2024-09-03-03-SA-BTX

Lab ID#: 2409187-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.5
Toluene	0.44	4.2
Ethyl Benzene	0.51	0.77
m,p-Xylene	0.51	2.6
o-Xylene	0.51	0.94

Client Sample ID: 2024-09-03-03-FB-BTX

Lab ID#: 2409187-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	0.18 U
Toluene	0.44	0.22 U

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

Client Sample ID: 2024-09-03-03-FB-BTX

Lab ID#: 2409187-11A

Ethyl Benzene	0.51	0.26 U
m,p-Xylene	0.51	0.26 U
o-Xylene	0.51	0.26 U

Client Sample ID: 2024-10-04-03-SA-BTX

Lab ID#: 2409187-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.8
Toluene	0.44	5.6
Ethyl Benzene	0.51	1.1
m,p-Xylene	0.51	3.9
o-Xylene	0.51	1.4

Client Sample ID: 2024-11-05-03-SA-BTX

Lab ID#: 2409187-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.6
Ethyl Benzene	0.51	0.67
m,p-Xylene	0.51	2.2
o-Xylene	0.51	0.81

Client Sample ID: 2024-12-06-03-SA-BTX

Lab ID#: 2409187-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.6
Ethyl Benzene	0.51	0.58
m,p-Xylene	0.51	1.9
o-Xylene	0.51	0.72



Air Toxics

Client Sample ID: 2024-01-07-03-SA-BTX

Lab ID#: 2409187-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091825	Date of Collection:	9/6/24 10:11:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/18/24 09:55 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.1
Toluene	0.44	2.7
Ethyl Benzene	0.51	0.46 J
m,p-Xylene	0.51	1.4
o-Xylene	0.51	0.55

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-02-08-03-SA-BTX

Lab ID#: 2409187-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091827	Date of Collection:	9/6/24 10:20:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/18/24 10:54 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.1
Ethyl Benzene	0.51	0.52
m,p-Xylene	0.51	1.7
o-Xylene	0.51	0.60

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-03-09-03-SA-BTX

Lab ID#: 2409187-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091828	Date of Collection:	9/6/24 10:23:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/18/24 11:24 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	0.96
Toluene	0.44	2.4
Ethyl Benzene	0.51	0.40 J
m,p-Xylene	0.51	1.3
o-Xylene	0.51	0.48 J

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-04-10-03-SA-BTX

Lab ID#: 2409187-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091829	Date of Collection:	9/6/24 10:28:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/18/24 11:55 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.1
Ethyl Benzene	0.51	0.52
m,p-Xylene	0.51	1.7
o-Xylene	0.51	0.63

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-04-10-03-DU-BTX

Lab ID#: 2409187-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091830	Date of Collection:	9/6/24 10:28:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 12:26 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.0
Ethyl Benzene	0.51	0.47 J
m,p-Xylene	0.51	1.5
o-Xylene	0.51	0.56

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-05-11-03-SA-BTX

Lab ID#: 2409187-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091831	Date of Collection:	9/6/24 10:35:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 12:57 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	2.3
Toluene	0.44	6.4
Ethyl Benzene	0.51	0.99
m,p-Xylene	0.51	3.3
o-Xylene	0.51	1.2

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-06-12-03-SA-BTX

Lab ID#: 2409187-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091832	Date of Collection:	9/6/24 10:39:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 01:27 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	3.3
Toluene	0.44	10
Ethyl Benzene	0.51	1.4
m,p-Xylene	0.51	4.7
o-Xylene	0.51	1.7

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-07-01-03-SA-BTX

Lab ID#: 2409187-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091833	Date of Collection:	9/6/24 10:43:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 01:58 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	3.9
Toluene	0.44	12
Ethyl Benzene	0.51	1.8
m,p-Xylene	0.51	6.2
o-Xylene	0.51	2.2

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-08-02-03-SA-BTX

Lab ID#: 2409187-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091834	Date of Collection:	9/6/24 10:48:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 02:29 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	2.7
Toluene	0.44	9.5
Ethyl Benzene	0.51	2.0
m,p-Xylene	0.51	7.7
o-Xylene	0.51	2.7

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-09-03-03-SA-BTX

Lab ID#: 2409187-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091835	Date of Collection:	9/6/24 10:53:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 03:00 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.5
Toluene	0.44	4.2
Ethyl Benzene	0.51	0.77
m,p-Xylene	0.51	2.6
o-Xylene	0.51	0.94

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-09-03-03-FB-BTX

Lab ID#: 2409187-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091824	Date of Collection:	9/6/24 10:53:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/18/24 09:24 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	0.18 U
Toluene	0.44	0.22 U
Ethyl Benzene	0.51	0.26 U
m,p-Xylene	0.51	0.26 U
o-Xylene	0.51	0.26 U

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

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-10-04-03-SA-BTX

Lab ID#: 2409187-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091836	Date of Collection:	9/6/24 11:00:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 03:31 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.8
Toluene	0.44	5.6
Ethyl Benzene	0.51	1.1
m,p-Xylene	0.51	3.9
o-Xylene	0.51	1.4

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-11-05-03-SA-BTX

Lab ID#: 2409187-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091838	Date of Collection:	9/6/24 11:03:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 04:30 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.6
Ethyl Benzene	0.51	0.67
m,p-Xylene	0.51	2.2
o-Xylene	0.51	0.81

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-12-06-03-SA-BTX

Lab ID#: 2409187-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091839	Date of Collection:	9/6/24 11:03:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/19/24 05:00 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.34	1.2
Toluene	0.44	3.6
Ethyl Benzene	0.51	0.58
m,p-Xylene	0.51	1.9
o-Xylene	0.51	0.72

Container Type: Carbopack X AC-PA



Client Sample ID: Lab Blank

Lab ID#: 2409187-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091804B	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/18/24 10:53 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (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#: 2409187-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091815	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/18/24 04:47 PM
		Date of Extraction:	NA

Compound	%Recovery
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Benzene	98
Toluene	102
Ethyl Benzene	100
m,p-Xylene	104
o-Xylene	102

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2409187-16B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091826	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/18/24 10:23 PM
		Date of Extraction:	NA

Compound	%Recovery
Benzene	95
Toluene	96
Ethyl Benzene	94
m,p-Xylene	94
o-Xylene	92

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2409187-16C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091837	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/19/24 03:59 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	97
Toluene	98
Ethyl Benzene	95
m,p-Xylene	100
o-Xylene	100

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2409187-16D

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f091842	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/19/24 06:24 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	95
Toluene	95
Ethyl Benzene	92
m,p-Xylene	94
o-Xylene	96

Container Type: NA - Not Applicable

Method : EPA Method 325B-BTEX (ug/m3) 14-day

CAS Number	Compound	Rpt. Limit (ug/m3)
71-43-2	Benzene	0.37
108-88-3	Toluene	0.48
100-41-4	Ethyl Benzene	0.54
108-38-3	m,p-Xylene	0.54
95-47-6	o-Xylene	0.54

10/3/2024

Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

Project Name: Sunoco LP

Project #:

Workorder #: 2409512

Dear Ms. Melissa McLaughlin

The following report includes the data for the above referenced project for sample(s) received on 9/21/2024 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: Joel Tillman at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Joel Tillman

Project Manager

WORK ORDER #: 2409512

Work Order Summary

CLIENT:	Ms. Melissa McLaughlin AECOM Environment 250 Apollo Drive Chelmsford, MA 01824	BILL TO:	Accounts Payable-Chelmsford AECOM Environment 250 Apollo Drive Chelmsford, MA 01824
PHONE:	978.905.2100	P.O. #	1633908
FAX:	978.905.2101	PROJECT #	Sunoco LP
DATE RECEIVED:	09/21/2024	CONTACT:	Joel Tillman
DATE COMPLETED:	10/03/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
01A	2024-01-07-04-SA-BTX	EPA Method 325B
02A	2024-02-08-04-SA-BTX	EPA Method 325B
03A	2024-03-09-04-SA-BTX	EPA Method 325B
04A	2024-03-09-04-DU-BTX	EPA Method 325B
05A	2024-04-10-04-SA-BTX	EPA Method 325B
06A	2024-05-11-04-SA-BTX	EPA Method 325B
07A	2024-06-12-04-SA-BTX	EPA Method 325B
08A	2024-07-01-04-SA-BTX	EPA Method 325B
09A	2024-07-01-04-FB-BTX	EPA Method 325B
10A	2024-08-02-04-SA-BTX	EPA Method 325B
11A	2024-09-03-04-SA-BTX	EPA Method 325B
12A	2024-10-04-04-SA-BTX	EPA Method 325B
13A	2024-11-05-04-SA-BTX	EPA Method 325B
14A	2024-12-06-04-SA-BTX	EPA Method 325B
15A	Lab Blank	EPA Method 325B
16A	CCV	EPA Method 325B
16B	CCV	EPA Method 325B
16C	CCV	EPA Method 325B

CERTIFIED BY: 

 Technical Director

DATE: 10/03/24

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.

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.
 180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2409512

Fourteen Carbopack X AC-PA samples were received on September 21, 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

All samples were collected over a 13-day period.

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.

PI - 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: 2024-01-07-04-SA-BTX

Lab ID#: 2409512-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	0.97
Toluene	0.52	3.0
Ethyl Benzene	0.59	0.50 J
m,p-Xylene	0.59	1.6
o-Xylene	0.59	0.59

Client Sample ID: 2024-02-08-04-SA-BTX

Lab ID#: 2409512-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.2
Toluene	0.52	4.0
Ethyl Benzene	0.59	0.70
m,p-Xylene	0.59	2.3
o-Xylene	0.59	0.87

Client Sample ID: 2024-03-09-04-SA-BTX

Lab ID#: 2409512-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.1
Ethyl Benzene	0.59	0.52 J
m,p-Xylene	0.59	1.6
o-Xylene	0.59	0.62

Client Sample ID: 2024-03-09-04-DU-BTX

Lab ID#: 2409512-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.1

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

Client Sample ID: 2024-03-09-04-DU-BTX

Lab ID#: 2409512-04A

Ethyl Benzene	0.59	0.52 J
m,p-Xylene	0.59	1.7
o-Xylene	0.59	0.62

Client Sample ID: 2024-04-10-04-SA-BTX

Lab ID#: 2409512-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.2
Toluene	0.52	3.6
Ethyl Benzene	0.59	0.60
m,p-Xylene	0.59	2.0
o-Xylene	0.59	0.71

Client Sample ID: 2024-05-11-04-SA-BTX

Lab ID#: 2409512-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	2.3
Toluene	0.52	6.9
Ethyl Benzene	0.59	1.1
m,p-Xylene	0.59	3.6
o-Xylene	0.59	1.3

Client Sample ID: 2024-06-12-04-SA-BTX

Lab ID#: 2409512-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.5
Toluene	0.52	12
Ethyl Benzene	0.59	1.5
m,p-Xylene	0.59	4.9
o-Xylene	0.59	1.7

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

Client Sample ID: 2024-07-01-04-SA-BTX

Lab ID#: 2409512-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.8
Toluene	0.52	12
Ethyl Benzene	0.59	1.6
m,p-Xylene	0.59	5.4
o-Xylene	0.59	1.9

Client Sample ID: 2024-07-01-04-FB-BTX

Lab ID#: 2409512-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	0.20 U
Toluene	0.52	0.26 U
Ethyl Benzene	0.59	0.29 U
m,p-Xylene	0.59	0.29 U
o-Xylene	0.59	0.29 U

Client Sample ID: 2024-08-02-04-SA-BTX

Lab ID#: 2409512-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.6
Toluene	0.52	13
Ethyl Benzene	0.59	3.0
m,p-Xylene	0.59	12
o-Xylene	0.59	3.7

Client Sample ID: 2024-09-03-04-SA-BTX

Lab ID#: 2409512-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.3
Toluene	0.52	3.9

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

Client Sample ID: 2024-09-03-04-SA-BTX

Lab ID#: 2409512-11A

Ethyl Benzene	0.59	0.74
m,p-Xylene	0.59	2.4
o-Xylene	0.59	0.86

Client Sample ID: 2024-10-04-04-SA-BTX

Lab ID#: 2409512-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.4
Toluene	0.52	4.7
Ethyl Benzene	0.59	0.87
m,p-Xylene	0.59	3.0
o-Xylene	0.59	1.0

Client Sample ID: 2024-11-05-04-SA-BTX

Lab ID#: 2409512-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.4
Ethyl Benzene	0.59	0.60
m,p-Xylene	0.59	2.0
o-Xylene	0.59	0.71

Client Sample ID: 2024-12-06-04-SA-BTX

Lab ID#: 2409512-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.3
Ethyl Benzene	0.59	0.55 J
m,p-Xylene	0.59	1.7
o-Xylene	0.59	0.67



Air Toxics

Client Sample ID: 2024-01-07-04-SA-BTX

Lab ID#: 2409512-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092528	Date of Collection:	9/19/24 11:10:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/25/24 11:52 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	0.97
Toluene	0.52	3.0
Ethyl Benzene	0.59	0.50 J
m,p-Xylene	0.59	1.6
o-Xylene	0.59	0.59

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-02-08-04-SA-BTX

Lab ID#: 2409512-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092529	Date of Collection:	9/19/24 11:17:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 12:23 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.2
Toluene	0.52	4.0
Ethyl Benzene	0.59	0.70
m,p-Xylene	0.59	2.3
o-Xylene	0.59	0.87

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-03-09-04-SA-BTX

Lab ID#: 2409512-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092530	Date of Collection:	9/19/24 11:23:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 12:54 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.1
Ethyl Benzene	0.59	0.52 J
m,p-Xylene	0.59	1.6
o-Xylene	0.59	0.62

J = Estimated value.

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-03-09-04-DU-BTX

Lab ID#: 2409512-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092531	Date of Collection:	9/19/24 11:23:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 01:24 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.1
Ethyl Benzene	0.59	0.52 J
m,p-Xylene	0.59	1.7
o-Xylene	0.59	0.62

J = Estimated value.

Container Type: Carbopack X AC-PA

Client Sample ID: 2024-04-10-04-SA-BTX

Lab ID#: 2409512-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092532	Date of Collection: 9/19/24 11:35:00 AM
Dil. Factor:	1.01	Date of Analysis: 9/26/24 01:55 AM
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.2
Toluene	0.52	3.6
Ethyl Benzene	0.59	0.60
m,p-Xylene	0.59	2.0
o-Xylene	0.59	0.71

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-05-11-04-SA-BTX

Lab ID#: 2409512-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092533	Date of Collection:	9/19/24 11:44:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 02:26 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	2.3
Toluene	0.52	6.9
Ethyl Benzene	0.59	1.1
m,p-Xylene	0.59	3.6
o-Xylene	0.59	1.3

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-06-12-04-SA-BTX

Lab ID#: 2409512-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092534	Date of Collection:	9/19/24 11:51:00 AM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 02:57 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.5
Toluene	0.52	12
Ethyl Benzene	0.59	1.5
m,p-Xylene	0.59	4.9
o-Xylene	0.59	1.7

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-07-01-04-SA-BTX

Lab ID#: 2409512-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092535	Date of Collection:	9/19/24 12:03:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 03:28 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.8
Toluene	0.52	12
Ethyl Benzene	0.59	1.6
m,p-Xylene	0.59	5.4
o-Xylene	0.59	1.9

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-07-01-04-FB-BTX

Lab ID#: 2409512-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092527	Date of Collection:	9/19/24 12:03:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/25/24 11:22 PM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	0.20 U
Toluene	0.52	0.26 U
Ethyl Benzene	0.59	0.29 U
m,p-Xylene	0.59	0.29 U
o-Xylene	0.59	0.29 U

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

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-08-02-04-SA-BTX

Lab ID#: 2409512-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092536	Date of Collection:	9/19/24 12:10:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 03:59 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	3.6
Toluene	0.52	13
Ethyl Benzene	0.59	3.0
m,p-Xylene	0.59	12
o-Xylene	0.59	3.7

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-09-03-04-SA-BTX

Lab ID#: 2409512-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092538	Date of Collection:	9/19/24 12:17:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 04:58 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.3
Toluene	0.52	3.9
Ethyl Benzene	0.59	0.74
m,p-Xylene	0.59	2.4
o-Xylene	0.59	0.86

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-10-04-04-SA-BTX

Lab ID#: 2409512-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092539	Date of Collection:	9/19/24 12:23:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 05:28 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.4
Toluene	0.52	4.7
Ethyl Benzene	0.59	0.87
m,p-Xylene	0.59	3.0
o-Xylene	0.59	1.0

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-11-05-04-SA-BTX

Lab ID#: 2409512-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092540	Date of Collection:	9/19/24 12:28:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 05:59 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.4
Ethyl Benzene	0.59	0.60
m,p-Xylene	0.59	2.0
o-Xylene	0.59	0.71

Container Type: Carbopack X AC-PA



Air Toxics

Client Sample ID: 2024-12-06-04-SA-BTX

Lab ID#: 2409512-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092541	Date of Collection:	9/19/24 12:33:00 PM
Dil. Factor:	1.01	Date of Analysis:	9/26/24 06:30 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	1.1
Toluene	0.52	3.3
Ethyl Benzene	0.59	0.55 J
m,p-Xylene	0.59	1.7
o-Xylene	0.59	0.67

J = Estimated value.

Container Type: Carbopack X AC-PA



Client Sample ID: Lab Blank

Lab ID#: 2409512-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092504A	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/25/24 11:04 AM
		Date of Extraction:	NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.40	0.20 U
Toluene	0.51	0.26 U
Ethyl Benzene	0.58	0.29 U
m,p-Xylene	0.58	0.29 U
o-Xylene	0.58	0.29 U

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

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 2409512-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092526	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/25/24 10:51 PM
		Date of Extraction:	NA

Compound	%Recovery
Benzene	90
Toluene	89
Ethyl Benzene	87
m,p-Xylene	88
o-Xylene	85

Container Type: NA - Not Applicable



Air Toxics

Client Sample ID: CCV

Lab ID#: 2409512-16B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092537	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/26/24 04:27 AM
		Date of Extraction: NA

Compound	%Recovery
Benzene	88
Toluene	85
Ethyl Benzene	85
m,p-Xylene	86
o-Xylene	85

Container Type: NA - Not Applicable

Client Sample ID: CCV

Lab ID#: 2409512-16C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	f092542	Date of Collection:	NA
Dil. Factor:	1.00	Date of Analysis:	9/26/24 06:58 AM
		Date of Extraction:	NA

Compound	%Recovery
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Benzene	92
Toluene	91
Ethyl Benzene	94
m,p-Xylene	96
o-Xylene	94

Container Type: NA - Not Applicable

Method : EPA Method 325B-BTEX (ug/m3) 14-day

CAS Number	Compound	Rpt. Limit (ug/m3)
71-43-2	Benzene	0.37
108-88-3	Toluene	0.48
100-41-4	Ethyl Benzene	0.54
108-38-3	m,p-Xylene	0.54
95-47-6	o-Xylene	0.54