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Fenceline Air Monitoring Summary

Client:	**Sunoco LP**
Location:	**Sunoco Oil Terminal, 175 Front Street, Portland, Maine**
Reporting Period:	**2024 Quarter 3 (7/24/24 – 10/3/24)**

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 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. Sunoco has included data collected under Gulf in this initial data summary for completeness. Sunoco is in the process of documenting the change in facility ownership in Amendment 1 to the Fenceline Air Monitoring Plan developed by AECOM (November 2024).

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 Wednesday, July 25, 2024, and October 3, 2024, 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** through **Table 6:** Fenceline Air Monitoring Sample Results
- **Table 7:** Passive Sampler Location Coordinates
- **Figure 1:** Site Map Identifying Sampling Locations and Coordinates
- **Attachment 1:** Sample Event Summaries and Wind Roses
- **Attachment 2:** Laboratory 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.
9/19/2024 – 10/3/2024	14	Calm 19.6% or predominately from the NNW-ESE and 2-20 mph	58.8°F & 30.09 “Hg	NA

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/m^3 – micrograms per cubic meter

Notes:

NA

Table 2: Fenceline Air Monitoring Sample Results - Benzene

Sample Date	PS-01 (µg/m^3)	PS-02 (µg/m^3)	PS-03 (µg/m^3)	PS-04 (µg/m^3)	PS-05 (µg/m^3)	PS-06 (µg/m^3)	PS-07 (µg/m^3)	PS-08 (µg/m^3)	PS-09 (µg/m^3)	PS-10 (µg/m^3)	PS-11 (µg/m^3)	PS-12 (µg/m^3)	Duplicate (µg/m^3)	Field Blank
8/8/2024	**3.4**	**3.0**	**1.6**	**1.5**	**1.4**	**1.3**	**1.4**	**2.3**	**1.0**	**1.1**	**2.3**	**2.7**	**1.5**	*< 0.2*
8/22/2024	**2.0**	**2.2**	**1.5**	**1.3**	**1.0**	**1.0**	**0.8**	**1.9**	**1.2**	**1.4**	**2.2**	**3.0**	**1.0**	*< 0.2*
9/6/2024	**3.9**	**2.7**	**1.5**	**1.8**	**1.2**	**1.2**	**1.1**	**1.2**	**1.0**	**1.2**	**2.3**	**3.3**	**1.2**	*< 0.2*
9/19/2024	**3.8**	**3.6**	**1.3**	**1.4**	**1.1**	**1.1**	**1.0**	**1.2**	**1.1**	**1.2**	**2.3**	**3.5**	**1.1**	*< 0.2*
10/3/2024	**1.2**	**1.0**	**0.7**	**1.8**	**1.3**	**1.1**	**1.2**	**1.2**	**0.8**	**0.9**	**1.5**	**2.4**	**1.3**	*< 0.2*
Project-to-Date Average	2.9	2.5	1.3	1.6	1.2	1.1	1.1	1.6	1.0	1.2	2.1	3.0	NA	NA

Definitions:

Italics – Compound was analyzed for, but not detected above the MDL
Bold – Results reported above the mean detection level (MDL)
J – Results are lower than the Reporting Level but greater than the MDL
NA – not applicable, no notable comments
PS – passive sampling location
µg/m^3 – micrograms per cubic meter

Notes:

- Sample date reported as end date of sample period
- Location of the duplicate sample varies between sampling events (duplicate sampling locations included in **Attachment 1**)
- Project-to-date averages include sample results from August 8, 2024, through the end of the reporting period

Table 3: Fenceline Air Monitoring Sample Results – Ethylbenzene

Sample Date	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
8/8/2024	**1.6**	**2.2**	**0.9**	**0.9**	**0.8**	**0.7**	**0.6**	**0.8**	**0.4 J**	**0.5 J**	**0.9**	**1.2**	**0.9**	*< 0.3*
8/22/2024	**0.9**	**1.2**	**0.8**	**0.7**	**0.5 J**	**0.4 J**	**0.3 J**	**0.7**	**0.5 J**	**0.5 J**	**0.9**	**1.2**	**0.5 J**	*< 0.3*
9/6/2024	**1.8**	**2.0**	**0.8**	**1.1**	**0.7**	**0.6**	**0.5 J**	**0.5**	**0.4 J**	**0.5**	**1.0**	**1.4**	**0.5 J**	*< 0.3*
9/19/2024	**1.6**	**3.0**	**0.7**	**0.9**	**0.6**	**0.6 J**	**0.5 J**	**0.7**	**0.5 J**	**0.6**	**1.1**	**1.5**	**0.5 J**	*< 0.3*
10/3/2024	**0.5 J**	**0.6**	**0.4 J**	**1.5**	**0.9**	**0.7**	**0.6**	**0.7**	**0.4 J**	**0.4 J**	**1.0**	**1.1**	**0.6**	*< 0.3*
Project-to-Date Average	1.3	1.8	0.7	1.0	0.7	0.6	0.5	0.7	0.4	0.5	1.0	1.3	NA	NA

Definitions:

Italics – Compound was analyzed for, but not detected above the MDL
Bold – Results reported above the mean detection level (MDL)
J – Results are lower than the Reporting Level but greater than the MDL
NA – not applicable, no notable comments
PS – passive sampling location
µg/m³ – micrograms per cubic meter

Notes:

- Sample date reported as end date of sample period
- Location of the duplicate sample varies between sampling events (duplicate sampling locations included in **Attachment 1**)
- Project-to-date averages include sample results from August 8, 2024, through the end of the reporting period

Table 4: Fenceline Air Monitoring Sample Results – m&p-Xylene

Sample Date	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
8/8/2024	**4.8**	**7.1**	**2.6**	**2.6**	**2.3**	**2.0**	**1.8**	**2.3**	**1.2**	**1.4**	**2.8**	**4.1**	**2.6**	*< 0.3*
8/22/2024	**2.9**	**4.1**	**2.4**	**2.1**	**1.5**	**1.4**	**1.0**	**2.1**	**1.6**	**1.5**	**2.9**	**4.0**	**1.4**	*< 0.3*
9/6/2024	**6.2**	**7.7**	**2.6**	**3.9**	**2.2**	**1.9**	**1.4**	**1.7**	**1.3**	**1.7**	**3.3**	**4.7**	**1.5**	*< 0.3*
9/19/2024	**5.4**	**12.0**	**2.4**	**3.0**	**2.0**	**1.7**	**1.6**	**2.3**	**1.6**	**2.0**	**3.6**	**4.9**	**1.7**	*< 0.3*
10/3/2024	**1.8**	**2.3**	**1.2**	**5.8**	**3.3**	**2.5**	**2.2**	**2.4**	**1.3**	**1.4**	**3.6**	**3.9**	**2.1**	*< 0.3*
Project-to-Date Average	4.2	6.6	2.2	3.5	2.3	1.9	1.6	2.2	1.4	1.6	3.2	4.3	NA	NA

Definitions:

Italics – Compound was analyzed for, but not detected above the MDL
Bold – Results reported above the mean detection level (MDL)
J – Results are lower than the Reporting Level but greater than the MDL
NA – not applicable, no notable comments
PS – passive sampling location
µg/m³ – micrograms per cubic meter

Notes:

- Sample date reported as end date of sample period
- Location of the duplicate sample varies between sampling events (duplicate sampling locations included in **Attachment 1**)
- Project-to-date averages include sample results from August 8, 2024, through the end of the reporting period

Table 5: Fenceline Air Monitoring Sample Results – o-Xylene

Sample Date	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
8/8/2024	**1.7**	**2.5**	**1.0**	**1.0**	**0.9**	**0.7**	**0.7**	**0.8**	**0.5 J**	**0.5**	**1.0**	**1.5**	**1.0**	*< 0.3*
8/22/2024	**1.1**	**1.5**	**0.9**	**0.8**	**0.6**	**0.6**	**0.4 J**	**0.8**	**0.6**	**0.6**	**1.1**	**1.4**	**0.6**	*< 0.3*
9/6/2024	**2.2**	**2.7**	**0.9**	**1.4**	**0.8**	**0.7**	**0.6**	**0.6**	**0.5 J**	**0.6**	**1.2**	**1.7**	**0.6**	*< 0.3*
9/19/2024	**1.9**	**3.7**	**0.9**	**1.0**	**0.7**	**0.7**	**0.6**	**0.9**	**0.6**	**0.7**	**1.3**	**1.7**	**0.6**	*< 0.3*
10/3/2024	**0.6**	**0.8**	**0.4 J**	**2.0**	**1.1**	**0.9**	**0.8**	**0.9**	**0.5 J**	**0.6**	**1.2**	**1.3**	**0.8**	*< 0.3*
Project-to-Date Average	1.5	2.2	0.8	1.2	0.8	0.7	0.6	0.8	0.5	0.6	1.2	1.5	NA	NA

Definitions:

Italics – Compound was analyzed for, but not detected above the MDL
Bold – Results reported above the mean detection level (MDL)
J – Results are lower than the Reporting Level but greater than the MDL
NA – not applicable, no notable comments
PS – passive sampling location
µg/m³ – micrograms per cubic meter

Notes:

- Sample date reported as end date of sample period
- Location of the duplicate sample varies between sampling events (duplicate sampling locations included in **Attachment 1**)
- Project-to-date averages include sample results from August 8, 2024, through the end of the reporting period

Table 6: Fenceline Air Monitoring Sample Results – Toluene

Sample Date	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
8/8/2024	**11.0**	**11.0**	**4.7**	**4.6**	**4.0**	**3.8**	**3.7**	**5.9**	**2.4**	**2.6**	**6.1**	**8.6**	**4.6**	*< 0.2*
8/22/2024	**5.8**	**6.7**	**4.0**	**3.5**	**2.5**	**2.6**	**1.6**	**4.8**	**3.0**	**3.1**	**6.0**	**9.0**	**2.6**	*< 0.2*
9/6/2024	**12.0**	**9.5**	**4.2**	**5.6**	**3.6**	**3.6**	**2.7**	**3.1**	**2.4**	**3.1**	**6.4**	**10.0**	**3.0**	*< 0.2*
9/19/2024	**12.0**	**13.0**	**3.9**	**4.7**	**3.4**	**3.3**	**3.0**	**4.0**	**3.1**	**3.6**	**6.9**	**12.0**	**3.1**	*< 0.3*
10/3/2024	**4.3**	**3.5**	**2.0**	**7.8**	**5.4**	**4.7**	**4.6**	**4.4**	**2.3**	**2.9**	**6.0**	**10.0**	**4.5**	*< 0.2*
Project-to-Date Average	9.0	8.7	3.8	5.2	3.8	3.6	3.1	4.4	2.6	3.1	6.3	9.9	NA	NA

Definitions:

Italics – Compound was analyzed for, but not detected above the MDL
Bold – Results reported above the mean detection level (MDL)
J – Results are lower than the Reporting Level but greater than the MDL
NA – not applicable, no notable comments
PS – passive sampling location
µg/m³ – micrograms per cubic meter

Notes:

- Sample date reported as end date of sample period
- Location of the duplicate sample varies between sampling events (duplicate sampling locations included in **Attachment 1**)
- Project-to-date averages include sample results from August 8, 2024, through the end of the reporting period

Figure 1: Site Map Identifying Sampling Locations

Table 7: 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: Sampling Event Summaries and Wind Roses

Sampling Period 7/25/2024 – 8/8/2024

Analyte	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
Benzene	**3.4**	**3.0**	**1.6**	**1.5**	**1.4**	**1.3**	**1.4**	**2.3**	**1.0**	**1.1**	**2.3**	**2.7**	**1.5**	*< 0.19*
Toluene	**11.0**	**11.0**	**4.7**	**4.6**	**4.0**	**3.8**	**3.7**	**5.9**	**2.4**	**2.6**	**6.1**	**8.6**	**4.6**	*< 0.24*
Ethylbenzene	**1.6**	**2.2**	**0.9**	**0.9**	**0.8**	**0.7**	**0.6**	**0.8**	**0.4 J**	**0.5 J**	**0.9**	**1.2**	**0.9**	*< 0.27*
m&p-Xylene	**4.8**	**7.1**	**2.6**	**2.6**	**2.3**	**2.0**	**1.8**	**2.3**	**1.2**	**1.4**	**2.8**	**4.1**	**2.6**	*< 0.27*
o-Xylene	**1.7**	**2.5**	**1.0**	**1.0**	**0.9**	**0.7**	**0.7**	**0.8**	**0.5 J**	**0.5**	**1.0**	**1.5**	**1.0**	*< 0.27*

Definitions:

Bold – Results reported above the mean detection level (MDL)
Italics – Compound was analyzed for, but not detected above the MDL
J – Results are lower than the Reporting Level but greater than the MDL
PS – passive sampling location
µg/m³ – micrograms per cubic meter

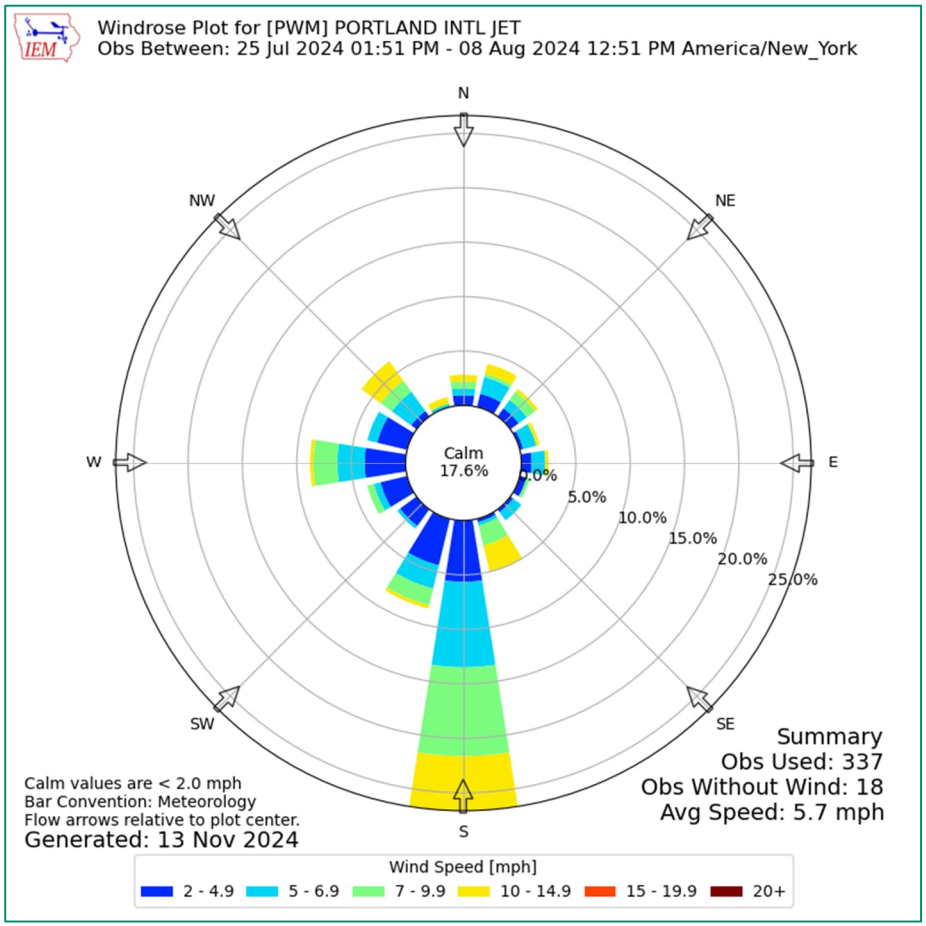
Notes:

- Duplicate sample collected at PS-4

Field Observations:

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

Wind Rose for Sample Period:



Sampling Period 8/8/2024 – 8/22/2024

Analyte	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
Benzene	**2.0**	**2.2**	**1.5**	**1.3**	**1.0**	**1.0**	**0.8**	**1.9**	**1.2**	**1.4**	**2.2**	**3.0**	**1.0**	*< 0.19*
Toluene	**5.8**	**6.7**	**4.0**	**3.5**	**2.5**	**2.6**	**1.6**	**4.8**	**3.0**	**3.1**	**6.0**	**9.0**	**2.6**	*< 0.24*
Ethylbenzene	**0.9**	**1.2**	**0.8**	**0.7**	**0.5 J**	**0.4 J**	**0.3 J**	**0.7**	**0.5 J**	**0.5 J**	**0.9**	**1.2**	**0.5 J**	*< 0.27*
m&p-Xylene	**2.9**	**4.1**	**2.4**	**2.1**	**1.5**	**1.4**	**1.0**	**2.1**	**1.6**	**1.5**	**2.9**	**4.0**	**1.4**	*< 0.27*
o-Xylene	**1.1**	**1.5**	**0.9**	**0.8**	**0.6**	**0.6**	**0.4 J**	**0.8**	**0.6**	**0.6**	**1.1**	**1.4**	**0.6**	*< 0.27*

Definitions:

Bold – Results reported above the mean detection level (MDL)
Italics – Compound was analyzed for, but not detected above the MDL
J – Results are lower than the Reporting Level but greater than the MDL
PS – passive sampling location
µg/m³ – micrograms per cubic meter

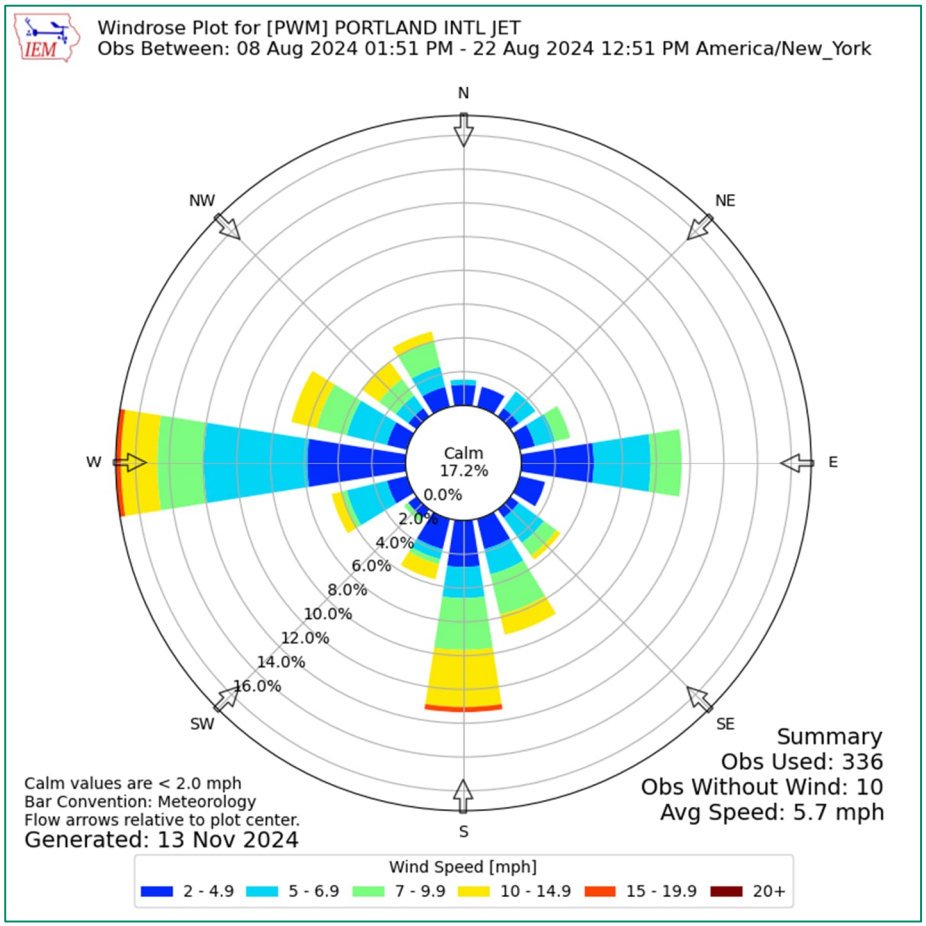
Notes:

- Duplicate sample collected at PS-5

Field Observations:

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

Wind Rose for Sample Period:



Sampling Period 8/22/2024 – 9/6/2024

Analyte	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
Benzene	**3.9**	**2.7**	**1.5**	**1.8**	**1.2**	**1.2**	**1.1**	**1.2**	**1.0**	**1.2**	**2.3**	**3.3**	**1.2**	*< 0.18*
Toluene	**12.0**	**9.5**	**4.2**	**5.6**	**3.6**	**3.6**	**2.7**	**3.1**	**2.4**	**3.1**	**6.4**	**10.0**	**3.0**	*< 0.22*
Ethylbenzene	**1.8**	**2.0**	**0.8**	**1.1**	**0.7**	**0.6**	**0.5 J**	**0.5**	**0.4 J**	**0.5**	**1.0**	**1.4**	**0.5 J**	*< 0.26*
m&p-Xylene	**6.2**	**7.7**	**2.6**	**3.9**	**2.2**	**1.9**	**1.4**	**1.7**	**1.3**	**1.7**	**3.3**	**4.7**	**1.5**	*< 0.26*
o-Xylene	**2.2**	**2.7**	**0.9**	**1.4**	**0.8**	**0.7**	**0.6**	**0.6**	**0.5 J**	**0.6**	**1.2**	**1.7**	**0.6**	*< 0.26*

Definitions:

Bold – Results reported above the mean detection level (MDL)
Italics – Compound was analyzed for, but not detected above the MDL
J – Results are lower than the Reporting Level but greater than the MDL
PS – passive sampling location
µg/m³ – micrograms per cubic meter

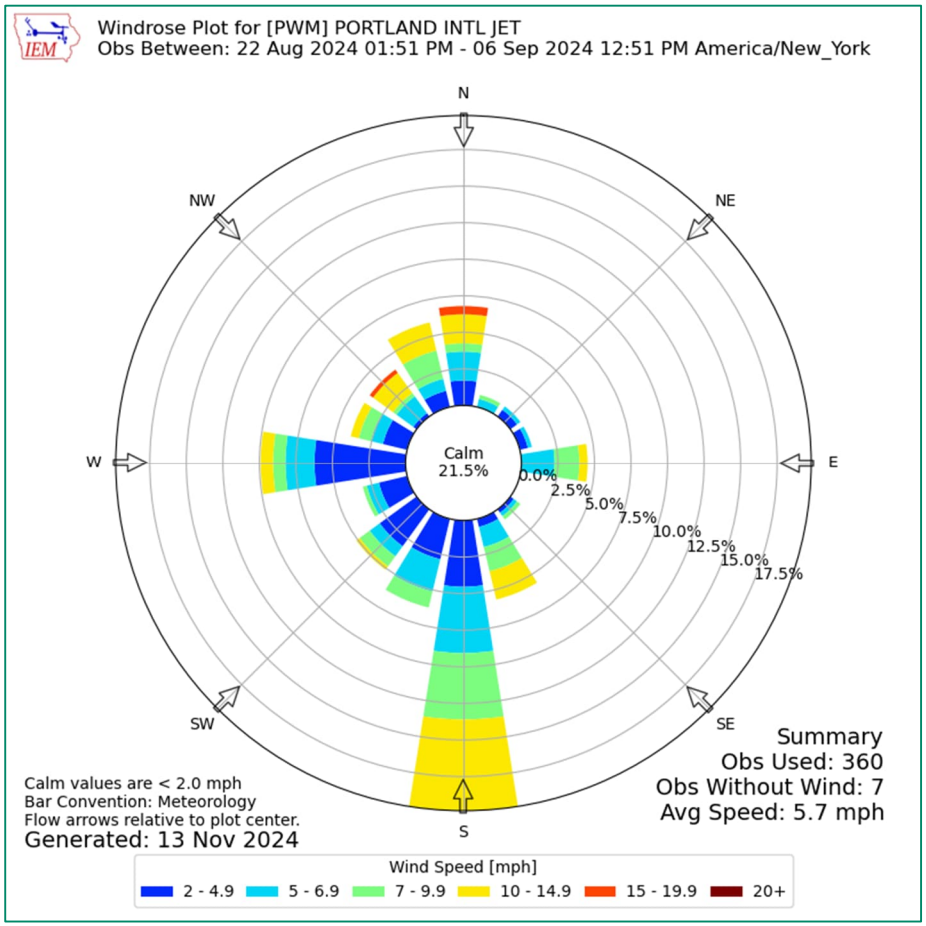
Notes:

- Duplicate sample collected at PS-10

Field Observations:

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

Wind Rose for Sample Period:



Sampling Period 9/6/2024 – 9/19/2024

Analyte	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
Benzene	**3.8**	**3.6**	**1.3**	**1.4**	**1.1**	**1.1**	**1.0**	**1.2**	**1.1**	**1.2**	**2.3**	**3.5**	**1.1**	*< 0.20*
Toluene	**12.0**	**13.0**	**3.9**	**4.7**	**3.4**	**3.3**	**3.0**	**4.0**	**3.1**	**3.6**	**6.9**	**12.0**	**3.1**	*< 0.26*
Ethylbenzene	**1.6**	**3.0**	**0.7**	**0.9**	**0.6**	**0.6 J**	**0.5 J**	**0.7**	**0.5 J**	**0.6**	**1.1**	**1.5**	**0.5 J**	*< 0.29*
m&p-Xylene	**5.4**	**12.0**	**2.4**	**3.0**	**2.0**	**1.7**	**1.6**	**2.3**	**1.6**	**2.0**	**3.6**	**4.9**	**1.7**	*< 0.29*
o-Xylene	**1.9**	**3.7**	**0.9**	**1.0**	**0.7**	**0.7**	**0.6**	**0.9**	**0.6**	**0.7**	**1.3**	**1.7**	**0.6**	*< 0.29*

Definitions:

Bold – Results reported above the mean detection level (MDL)
Italics – Compound was analyzed for, but not detected above the MDL
J – Results are lower than the Reporting Level but greater than the MDL
PS – passive sampling location
µg/m³ – micrograms per cubic meter

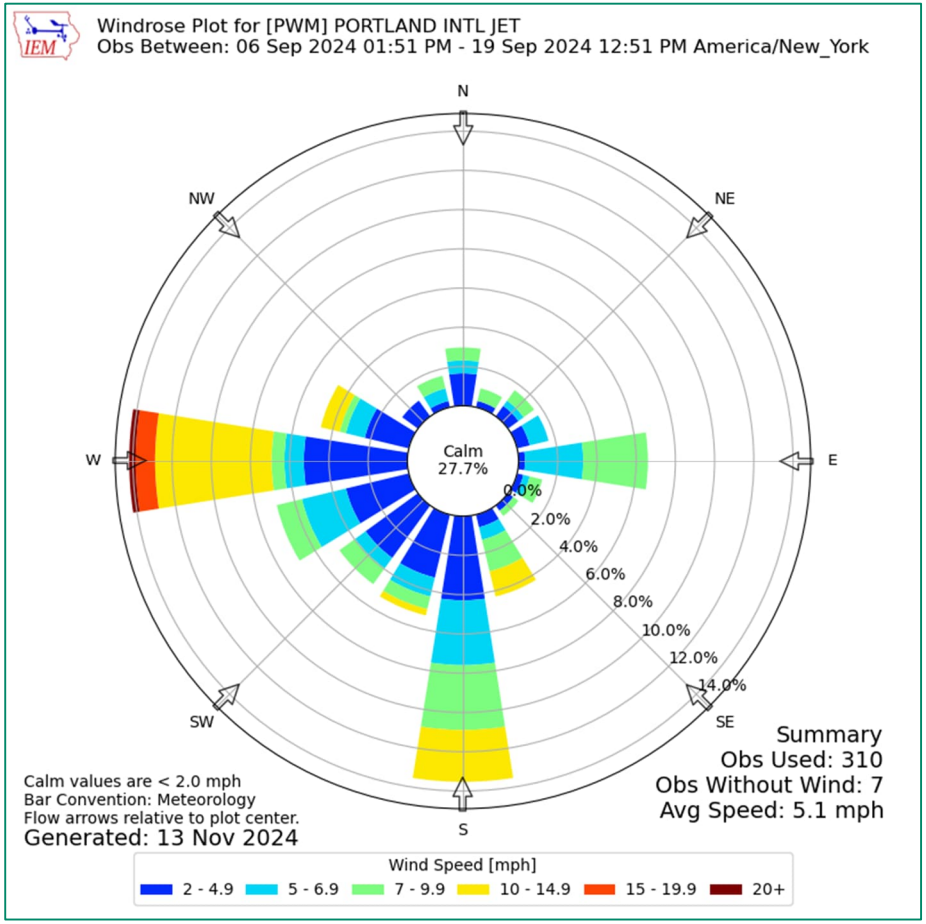
Notes:

- Duplicate sample collected at PS-9

Field Observations:

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

Wind Rose for Sample Period:



Sampling Period 9/19/2024 – 10/3/2024

Analyte	PS-01 (µg/m³)	PS-02 (µg/m³)	PS-03 (µg/m³)	PS-04 (µg/m³)	PS-05 (µg/m³)	PS-06 (µg/m³)	PS-07 (µg/m³)	PS-08 (µg/m³)	PS-09 (µg/m³)	PS-10 (µg/m³)	PS-11 (µg/m³)	PS-12 (µg/m³)	Duplicate (µg/m³)	Field Blank
Benzene	**1.2**	**1.0**	**0.7**	**1.8**	**1.3**	**1.1**	**1.2**	**1.2**	**0.8**	**0.9**	**1.5**	**2.4**	**1.3**	*< 0.19*
Toluene	**4.3**	**3.5**	**2.0**	**7.8**	**5.4**	**4.7**	**4.6**	**4.4**	**2.3**	**2.9**	**6.0**	**10.0**	**4.5**	*< 0.24*
Ethylbenzene	**0.5 J**	**0.6**	**0.4 J**	**1.5**	**0.9**	**0.7**	**0.6**	**0.7**	**0.4 J**	**0.4 J**	**1.0**	**1.1**	**0.6**	*< 0.27*
m&p-Xylene	**1.8**	**2.3**	**1.2**	**5.8**	**3.3**	**2.5**	**2.2**	**2.4**	**1.3**	**1.4**	**3.6**	**3.9**	**2.1**	*< 0.27*
o-Xylene	**0.6**	**0.8**	**0.4 J**	**2.0**	**1.1**	**0.9**	**0.8**	**0.9**	**0.5 J**	**0.6**	**1.2**	**1.3**	**0.8**	*< 0.27*

Definitions:

Bold – Results reported above the mean detection level (MDL)
Italics – Compound was analyzed for, but not detected above the MDL
J – Results are lower than the Reporting Level but greater than the MDL
PS – passive sampling location
µg/m³ – micrograms per cubic meter

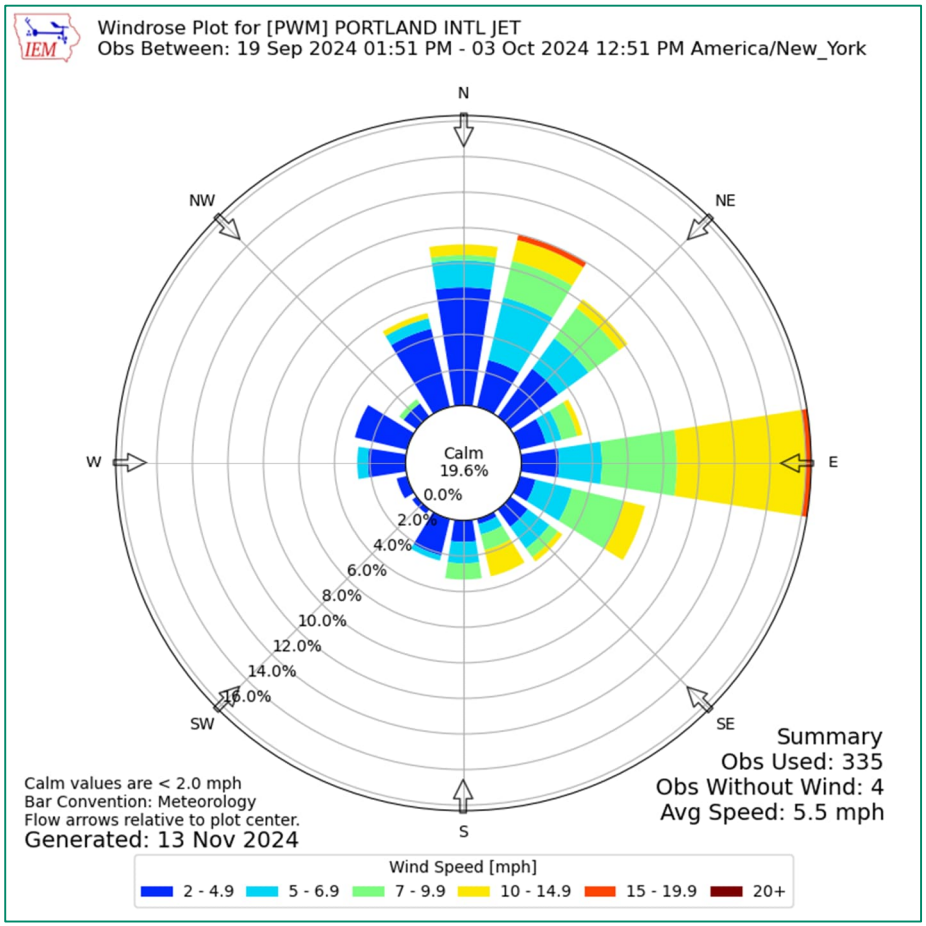
Notes:

- Duplicate sample collected at PS-7

Field Observations:

- Petroleum-type odor detected between PS-1 and PS-2 during sample collection.

Wind Rose for Sample Period:



Attachment 2: Laboratory Reports

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8/23/2024
Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

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

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

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WORK ORDER #: 2408258

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		

FRACTION #	NAME	TEST
01A	01-07-01-SA-BTX	EPA Method 325B
02A	02-08-01-SA-BTX	EPA Method 325B
03A	03-09-01-SA-BTX	EPA Method 325B
04A	04-10-01-SA-BTX	EPA Method 325B
05A	05-11-01-SA-BTX	EPA Method 325B
06A	06-12-01-SA-BTX	EPA Method 325B
07A	06-12-01-FB-BTX	EPA Method 325B
08A	07-01-01-SA-BTX	EPA Method 325B
09A	08-02-01-SA-BTX	EPA Method 325B
10A	09-03-01-SA-BTX	EPA Method 325B
11A	10-04-01-SA-BTX	EPA Method 325B
12A	10-04-01-DU-BTX	EPA Method 325B
13A	11-05-01-SA-BTX	EPA Method 325B
14A	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: Heidi Hayes DATE: 08/23/24

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.

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2408258

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.

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.

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

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

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

Lab ID#: 2408258-01A

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: 02-08-01-SA-BTX

Lab ID#: 2408258-02A

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: 03-09-01-SA-BTX

Lab ID#: 2408258-03A

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: 04-10-01-SA-BTX

Lab ID#: 2408258-04A

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

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

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

Lab ID#: 2408258-04A

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

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

Lab ID#: 2408258-05A

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: 06-12-01-SA-BTX

Lab ID#: 2408258-06A

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: 06-12-01-FB-BTX

Lab ID#: 2408258-07A

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

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

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

Lab ID#: 2408258-08A

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: 08-02-01-SA-BTX

Lab ID#: 2408258-09A

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: 09-03-01-SA-BTX

Lab ID#: 2408258-10A

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: 10-04-01-SA-BTX

Lab ID#: 2408258-11A

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

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

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

Lab ID#: 2408258-11A

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

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

Lab ID#: 2408258-12A

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: 11-05-01-SA-BTX

Lab ID#: 2408258-13A

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: 12-06-01-SA-BTX

Lab ID#: 2408258-14A

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

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

Lab ID#: 2408258-01A

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

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

Lab ID#: 2408258-02A

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

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

Lab ID#: 2408258-03A

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

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

Lab ID#: 2408258-04A

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

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

Lab ID#: 2408258-05A

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

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

Lab ID#: 2408258-06A

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

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

Lab ID#: 2408258-07A

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

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

Lab ID#: 2408258-08A

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

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

Lab ID#: 2408258-09A

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

eurofins | Air Toxics

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

Lab ID#: 2408258-10A

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

eurofins | Air Toxics

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

Lab ID#: 2408258-11A

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

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

Lab ID#: 2408258-12A

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

eurofins | Air Toxics

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

Lab ID#: 2408258-13A

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

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

Lab ID#: 2408258-14A

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

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Client Sample ID: Lab Blank

Lab ID#: 2408258-15A

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

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Client Sample ID: CCV

Lab ID#: 2408258-16A

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

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Client Sample ID: CCV

Lab ID#: 2408258-16B

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

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Client Sample ID: CCV

Lab ID#: 2408258-16C

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

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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

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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

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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		

FRACTION #	NAME	TEST
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: Heidi Hayes DATE: 09/04/24

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.

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.
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

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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

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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

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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

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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

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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

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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

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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

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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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | Air Toxics

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

eurofins | 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

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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

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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

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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

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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

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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		

FRACTION #	NAME	TEST
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: Heidi Hayes DATE: 09/23/24

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.

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.
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

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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

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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

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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

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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

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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

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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

eurofins | 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

eurofins | 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

eurofins | Air Toxics

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

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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

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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

eurofins | 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

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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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | Air Toxics

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

eurofins | Air Toxics

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

eurofins | Air Toxics

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

Container Type: NA - Not Applicable

eurofins | 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

eurofins | 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

eurofins | 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

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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

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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

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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		

FRACTION #	NAME	TEST
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: Heidi Hayes DATE: 10/03/24

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.

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.
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

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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

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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

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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

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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

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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

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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

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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

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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

eurofins | Air Toxics

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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | 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

eurofins | Air Toxics

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

eurofins | Air Toxics

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

eurofins | 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

eurofins | Air Toxics

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

Container Type: NA - Not Applicable

eurofins | Air Toxics

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

eurofins | Air Toxics

10/11/2024
Ms. Melissa McLaughlin
AECOM Environment
250 Apollo Drive

Chelmsford MA 01824

Project Name: Sunocolp
Project #:
Workorder #: 2410121

Dear Ms. Melissa McLaughlin

The following report includes the data for the above referenced project for sample(s) received on 10/5/2024 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

eurofins | Air Toxics

WORK ORDER #: 2410121

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 #**	Sunocolp
DATE RECEIVED:	10/05/2024	**CONTACT:**	Joel Tillman
DATE COMPLETED:	10/11/2024		

FRACTION #	NAME	TEST
01A	2024-01-07-05-SA-BTX	EPA Method 325B
02A	2024-01-07-05-DU-BTX	EPA Method 325B
03A	2024-02-08-05-SA-BTX	EPA Method 325B
04A	2024-03-09-05-SA-BTX	EPA Method 325B
05A	2024-04-10-05-SA-BTX	EPA Method 325B
06A	2024-05-11-05-SA-BTX	EPA Method 325B
07A	2024-05-11-05-FB-BTX	EPA Method 325B
08A	2024-06-12-05-SA-BTX	EPA Method 325B
09A	2024-07-01-05-SA-BTX	EPA Method 325B
10A	2024-08-02-05-SA-BTX	EPA Method 325B
11A	2024-09-03-05-SA-BTX	EPA Method 325B
12A	2024-10-04-05-SA-BTX	EPA Method 325B
13A	2024-11-05-05-SA-BTX	EPA Method 325B
14A	2024-12-06-05-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: Heidi Hayes DATE: 10/11/24

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.

LABORATORY NARRATIVE
ATM EPA 325B
AECOM Environment
Workorder# 2410121

Fourteen Carbopack X AC-PA samples were received on October 05, 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.
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

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

Client Sample ID: 2024-01-07-05-SA-BTX

Lab ID#: 2410121-01A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.6
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.2
o-Xylene	0.55	0.79

Client Sample ID: 2024-01-07-05-DU-BTX

Lab ID#: 2410121-02A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.49	4.5
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.1
o-Xylene	0.55	0.83

Client Sample ID: 2024-02-08-05-SA-BTX

Lab ID#: 2410121-03A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.4
Ethyl Benzene	0.55	0.72
m,p-Xylene	0.55	2.4
o-Xylene	0.55	0.93

Client Sample ID: 2024-03-09-05-SA-BTX

Lab ID#: 2410121-04A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.78
Toluene	0.49	2.3

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

Client Sample ID: 2024-03-09-05-SA-BTX

Lab ID#: 2410121-04A

Ethyl Benzene	0.55	0.35 J
m,p-Xylene	0.55	1.3
o-Xylene	0.55	0.45 J

Client Sample ID: 2024-04-10-05-SA-BTX

Lab ID#: 2410121-05A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.91
Toluene	0.49	2.9
Ethyl Benzene	0.55	0.43 J
m,p-Xylene	0.55	1.4
o-Xylene	0.55	0.56

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

Lab ID#: 2410121-06A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.5
Toluene	0.49	6.0
Ethyl Benzene	0.55	0.98
m,p-Xylene	0.55	3.6
o-Xylene	0.55	1.2

Client Sample ID: 2024-05-11-05-FB-BTX

Lab ID#: 2410121-07A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.19 U
Toluene	0.49	0.24 U
Ethyl Benzene	0.55	0.27 U
m,p-Xylene	0.55	0.27 U
o-Xylene	0.55	0.27 U

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

Client Sample ID: 2024-06-12-05-SA-BTX

Lab ID#: 2410121-08A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.4
Toluene	0.49	10
Ethyl Benzene	0.55	1.1
m,p-Xylene	0.55	3.9
o-Xylene	0.55	1.3

Client Sample ID: 2024-07-01-05-SA-BTX

Lab ID#: 2410121-09A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.3
Ethyl Benzene	0.55	0.52 J
m,p-Xylene	0.55	1.8
o-Xylene	0.55	0.64

Client Sample ID: 2024-08-02-05-SA-BTX

Lab ID#: 2410121-10A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.0
Toluene	0.49	3.5
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.3
o-Xylene	0.55	0.78

Client Sample ID: 2024-09-03-05-SA-BTX

Lab ID#: 2410121-11A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.68
Toluene	0.49	2.0

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

Client Sample ID: 2024-09-03-05-SA-BTX

Lab ID#: 2410121-11A

Ethyl Benzene	0.55	0.35 J
m,p-Xylene	0.55	1.2
o-Xylene	0.55	0.43 J

Client Sample ID: 2024-10-04-05-SA-BTX

Lab ID#: 2410121-12A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.8
Toluene	0.49	7.8
Ethyl Benzene	0.55	1.5
m,p-Xylene	0.55	5.8
o-Xylene	0.55	2.0

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

Lab ID#: 2410121-13A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.49	5.4
Ethyl Benzene	0.55	0.88
m,p-Xylene	0.55	3.3
o-Xylene	0.55	1.1

Client Sample ID: 2024-12-06-05-SA-BTX

Lab ID#: 2410121-14A

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.1
Toluene	0.49	4.7
Ethyl Benzene	0.55	0.74
m,p-Xylene	0.55	2.5
o-Xylene	0.55	0.92

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Client Sample ID: 2024-01-07-05-SA-BTX

Lab ID#: 2410121-01A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100818**	**Date of Collection: 10/3/24 12:47:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 05:46 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.6
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.2
o-Xylene	0.55	0.79

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-01-07-05-DU-BTX

Lab ID#: 2410121-02A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100819**	**Date of Collection: 10/3/24 12:46:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 06:15 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.49	4.5
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.1
o-Xylene	0.55	0.83

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-02-08-05-SA-BTX

Lab ID#: 2410121-03A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100820**	**Date of Collection: 10/3/24 12:52:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 06:44 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.4
Ethyl Benzene	0.55	0.72
m,p-Xylene	0.55	2.4
o-Xylene	0.55	0.93

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-03-09-05-SA-BTX

Lab ID#: 2410121-04A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100821**	**Date of Collection: 10/3/24 12:57:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 07:13 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.78
Toluene	0.49	2.3
Ethyl Benzene	0.55	0.35 J
m,p-Xylene	0.55	1.3
o-Xylene	0.55	0.45 J

J = Estimated value.

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-04-10-05-SA-BTX

Lab ID#: 2410121-05A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100822**	**Date of Collection: 10/3/24 1:03:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 07:42 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.91
Toluene	0.49	2.9
Ethyl Benzene	0.55	0.43 J
m,p-Xylene	0.55	1.4
o-Xylene	0.55	0.56

J = Estimated value.

Container Type: Carbopack X AC-PA

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

Lab ID#: 2410121-06A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100823**	**Date of Collection: 10/3/24 1:10:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 08:11 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.5
Toluene	0.49	6.0
Ethyl Benzene	0.55	0.98
m,p-Xylene	0.55	3.6
o-Xylene	0.55	1.2

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-05-11-05-FB-BTX

Lab ID#: 2410121-07A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100817**	**Date of Collection: 10/3/24 1:11:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 05:17 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.19 U
Toluene	0.49	0.24 U
Ethyl Benzene	0.55	0.27 U
m,p-Xylene	0.55	0.27 U
o-Xylene	0.55	0.27 U

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

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-06-12-05-SA-BTX

Lab ID#: 2410121-08A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100824**	**Date of Collection: 10/3/24 1:14:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 08:40 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	2.4
Toluene	0.49	10
Ethyl Benzene	0.55	1.1
m,p-Xylene	0.55	3.9
o-Xylene	0.55	1.3

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-07-01-05-SA-BTX

Lab ID#: 2410121-09A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100825**	**Date of Collection: 10/3/24 1:19:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 09:09 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.2
Toluene	0.49	4.3
Ethyl Benzene	0.55	0.52 J
m,p-Xylene	0.55	1.8
o-Xylene	0.55	0.64

J = Estimated value.

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-08-02-05-SA-BTX

Lab ID#: 2410121-10A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100827**	**Date of Collection: 10/3/24 1:26:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 10:06 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.0
Toluene	0.49	3.5
Ethyl Benzene	0.55	0.62
m,p-Xylene	0.55	2.3
o-Xylene	0.55	0.78

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-09-03-05-SA-BTX

Lab ID#: 2410121-11A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100828**	**Date of Collection: 10/3/24 1:30:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 10:35 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	0.68
Toluene	0.49	2.0
Ethyl Benzene	0.55	0.35 J
m,p-Xylene	0.55	1.2
o-Xylene	0.55	0.43 J

J = Estimated value.

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-10-04-05-SA-BTX

Lab ID#: 2410121-12A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100829**	**Date of Collection: 10/3/24 1:33:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 11:03 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.8
Toluene	0.49	7.8
Ethyl Benzene	0.55	1.5
m,p-Xylene	0.55	5.8
o-Xylene	0.55	2.0

Container Type: Carbopack X AC-PA

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

Lab ID#: 2410121-13A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100830**	**Date of Collection: 10/3/24 1:37:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/8/24 11:32 PM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.3
Toluene	0.49	5.4
Ethyl Benzene	0.55	0.88
m,p-Xylene	0.55	3.3
o-Xylene	0.55	1.1

Container Type: Carbopack X AC-PA

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Client Sample ID: 2024-12-06-05-SA-BTX

Lab ID#: 2410121-14A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100831**	**Date of Collection: 10/3/24 1:40:00 PM**
Dil. Factor:	**1.02**	**Date of Analysis: 10/9/24 12:00 AM**
		Date of Extraction: NA

Compound	Rpt. Limit (ug/m3)	Amount (ug/m3)
Benzene	0.38	1.1
Toluene	0.49	4.7
Ethyl Benzene	0.55	0.74
m,p-Xylene	0.55	2.5
o-Xylene	0.55	0.92

Container Type: Carbopack X AC-PA

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Client Sample ID: Lab Blank

Lab ID#: 2410121-15A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100804**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 10/8/24 10:44 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

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Client Sample ID: CCV

Lab ID#: 2410121-16A

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100815**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/8/24 04:18 PM**
		Date of Extraction: NA

Compound	%Recovery
Benzene	86
Toluene	93
Ethyl Benzene	102
m,p-Xylene	111
o-Xylene	106

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2410121-16B

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100826**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/8/24 09:38 PM**
		Date of Extraction: NA

Compound	%Recovery
Benzene	88
Toluene	93
Ethyl Benzene	102
m,p-Xylene	111
o-Xylene	106

Container Type: NA - Not Applicable

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Client Sample ID: CCV

Lab ID#: 2410121-16C

EPA METHOD 325B GC/MS FULL SCAN

File Name:	**10100837**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 10/9/24 02:47 AM**
		Date of Extraction: NA

Compound	%Recovery
Benzene	87
Toluene	97
Ethyl Benzene	94
m,p-Xylene	97
o-Xylene	98

Container Type: NA - Not Applicable

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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