

**DAILY FIELD REPORT 244**

Prepared By: LANGAN

<b>WEATHER</b>	Snow		Rain	x	Overcast	x	Partly Cloudy		Sunny	
<b>TEMP.</b>	< 32		32-50		50-70		70-85	x	>85	

<b>BCP Project No:</b>	C231153	<b>Date:</b>	July 12, 2024
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 3:30 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Olivia O'Donnell (Environmental)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban used hand tools to excavate an about 35-foot-long by 3-foot-wide area to about 10.5 feet below grade surface (bgs) in the northern part of WC02. Excavated material consisted of non-native soil; odors staining, elevated photoionization detector (PID) readings, or other evidence of a release were not observed. The excavated non-native soil was stockpiled adjacent to the excavation area in the northern part of the site, pending off-site disposal.
- Urban backfilled an about 10-foot-long by 5-foot-wide area to about 1-foot bgs in the eastern part of WC03 with previously imported clean sand from the North American Aggregate Mining Operations to bring the site to development grade.
- Urban installed waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central and northern part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.

**Material Tracking:**

- No soil/fill was exported from the site.
- No material was imported to the site.

Materials Export Summary								
Facility Name	Bayshore Soil Management, LLC		Clean Earth of Carteret, LLC		PPark NJ		Faztec Solutions	
Location	Keasbey, NJ		Carteret, NJ		Prospect Park, NJ		Staten Island, NY	
Type of Waste	Non-hazardous Soil		Non-hazardous Soil		Non-hazardous Soil		C&D	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
		0	-	0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approximate Volume (CY)
	139	2,780	328	6,560	0	-	17	340

Materials Export Summary		
Facility Name	Dale Transfer Corp.	
Location	West Babylon, NY	
Type of Waste	Concrete	
Today	Number of Loads	Approx. Volume (CY)
		0
Total	Number of Loads	Approx. Volume (CY)
	2	40

Materials Import Summary								
Facility Name	Greenpoint Quarry / North Shore Terminal		Tilcon Clinton Point Quarry / Pier J – Brooklyn Navy Yard		Stavola Bound Brook / North Shore Terminal		North American Aggregate Mining Operations	
Location	Staten Island, NY		Brooklyn, NY		Staten Island, NY		Perth Amboy, NJ	
Type of Material	ASTM #57 0.75-inch Stone		ASTM #57 0.75-inch Stone		ASTM #2 2.5-inch Stone		Pipe Sand Backfill	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
		0	-	0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	6	120	0	-	3	60	27	459
Approved Quantity	-	500	-	500	-	200	-	600

**Samples Collected:**

- No samples were collected.

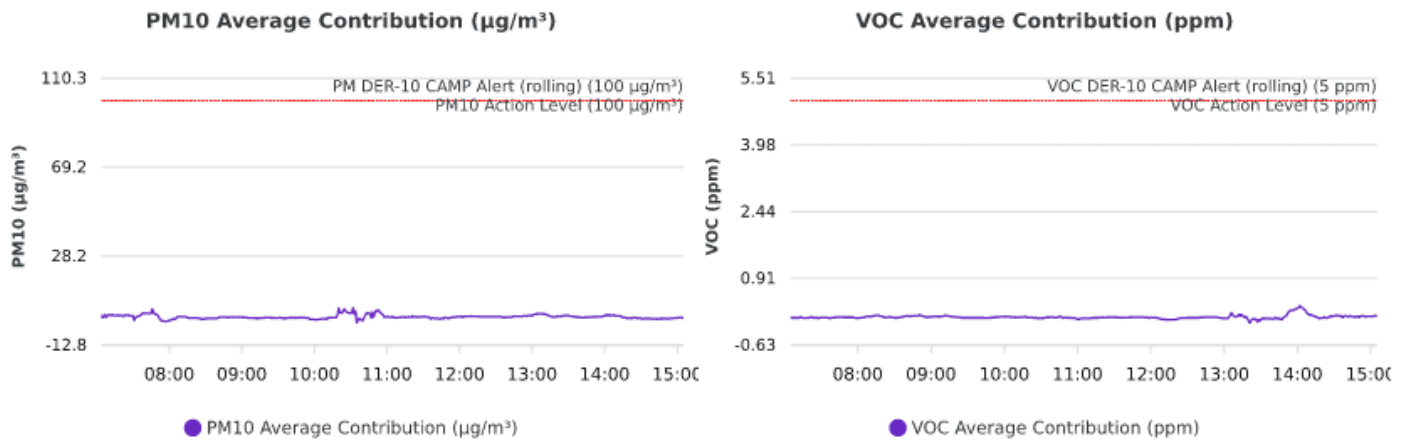
**Air Monitoring:**

The 15-minute average site contributions for particulates and VOCs are calculated by subtracting the upwind readings from the downwind readings. A true action level exceedance is realized when this net result exceeds 100 µg/m<sup>3</sup> for particulates and 5 ppm for organic vapors. No particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m<sup>3</sup> or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	6.7	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-2.5	VOC Average Site Contribution (Minimum)	-0.12
PM10 Average Site Contribution (Maximum)	4.4	VOC Average Site Contribution (Maximum)	0.28

µg/m<sup>3</sup>: micrograms per cubic meter.

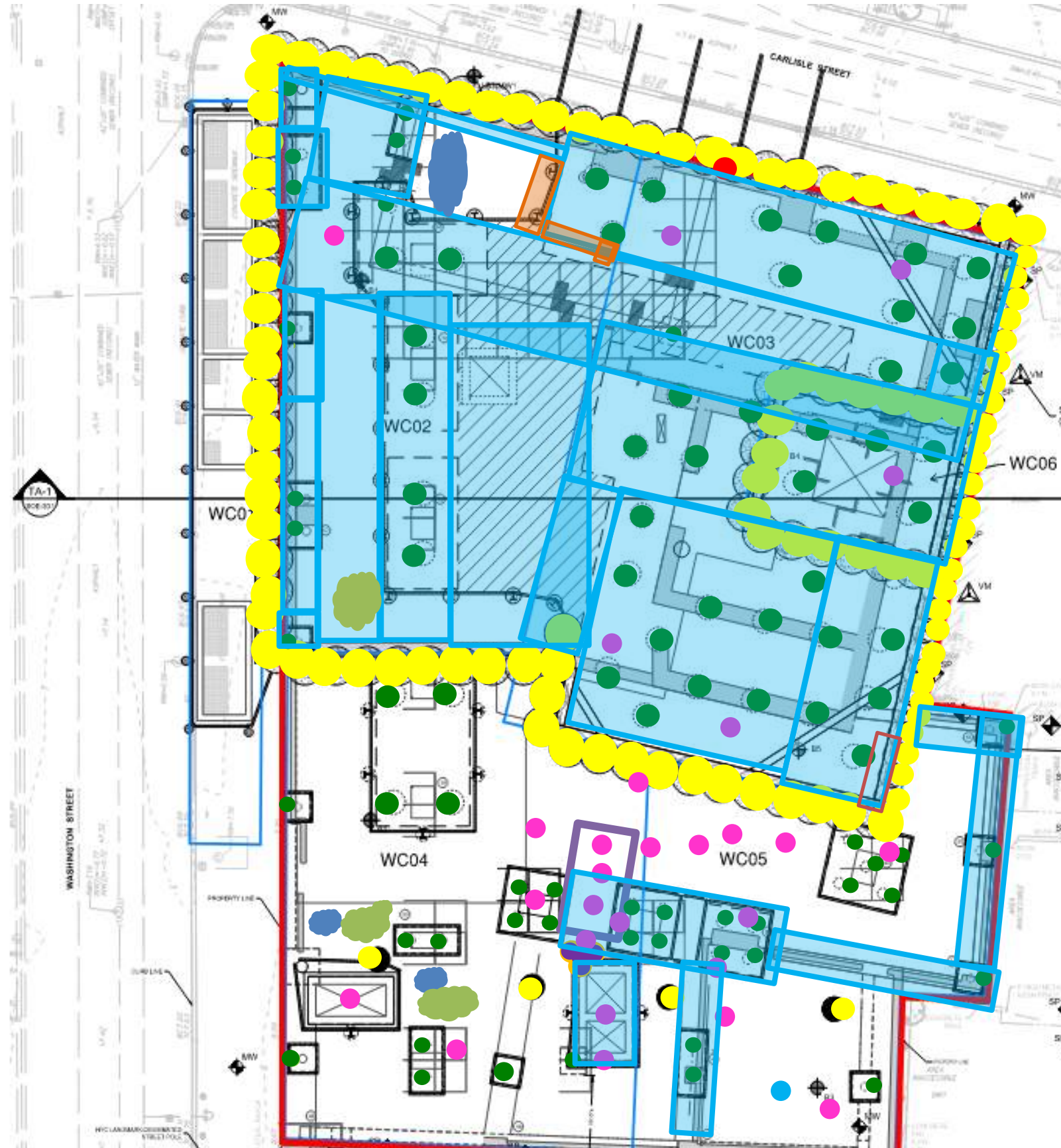
ppm: parts per million.



**Planned Activities:**

- Urban will continue to excavate, remove concrete, and install foundation elements throughout the site.
- Urban will continue to install waterproofing/vapor barrier membranes throughout the site.

**SITE PLAN**









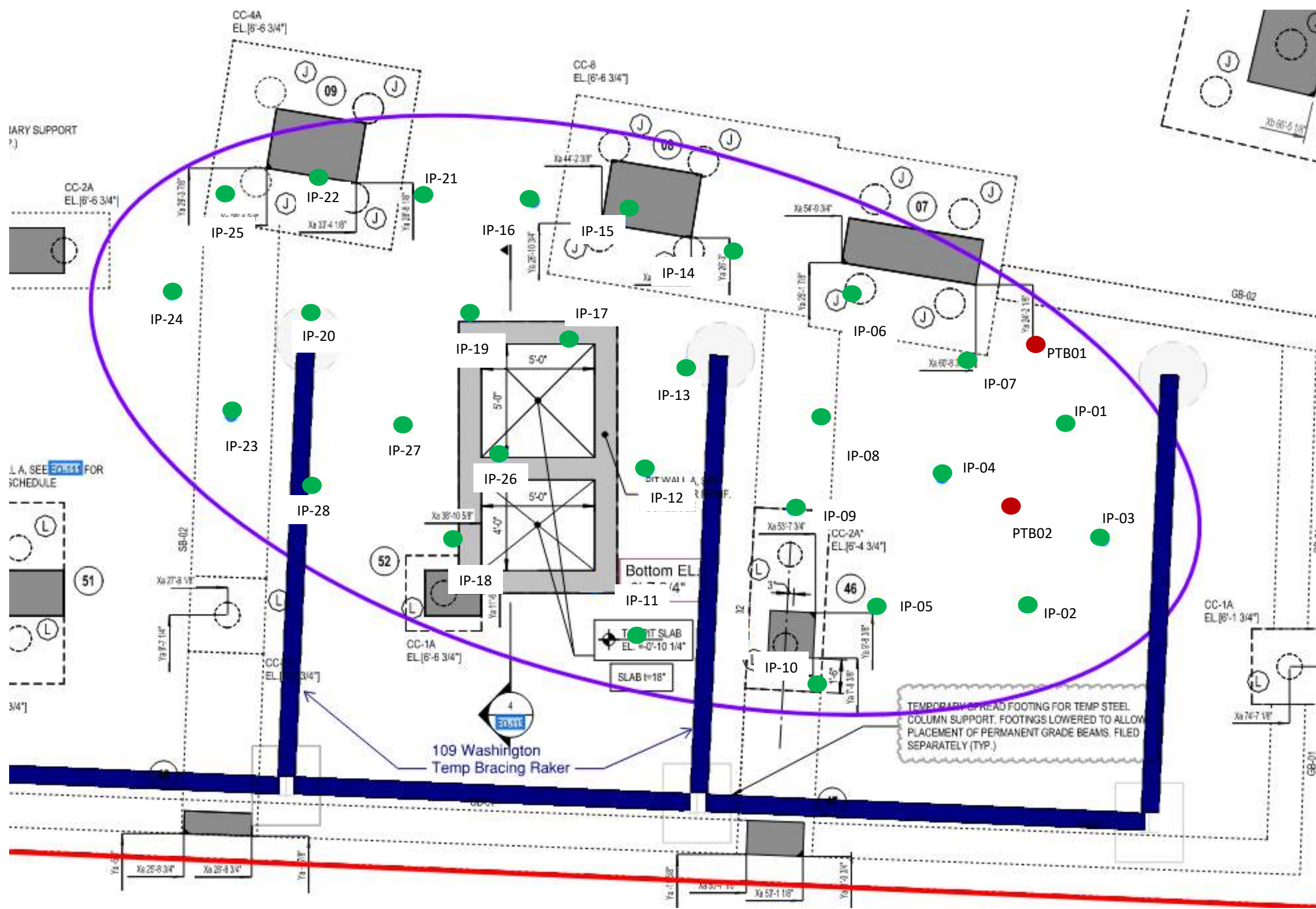
- Site Boundary**
- Waste Characterization Grid Boundary**
- CAMP station 1**
- CAMP station 2**
- Stockpile - Soil (no impacts)**
- Stockpile - C&D**
- Stockpile - Imported Clean Fill**
- Approximate Location of Excavation**
- Approximate Area of Grading**
- Approximate Backfill Location**
- Completed Soil-Mix Column**
- Completed Caisson Casing**
- Completed Caisson**
- Reinstalled Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- Soil-Mix Core Advanced**
- Documentation Endpoint Sample**
- Completed Waterproofing Installation**
- Approximate Location of the Former UST**

**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.



**SITE PLAN - PETROFIX GROUNDWATER TREATMENT AREA**

-  **Site Boundary**
-  **Groundwater Treatment Area**
-  **Proposed Petrofix Injection Point**
-  **In Progress Petrofix Injection**
-  **Completed Petrofix Injection**
-  **Pilot Test Boring Advanced**





### Photo Log

**Photo 1:** View of Urban backfilling in the eastern part of the site (facing north).



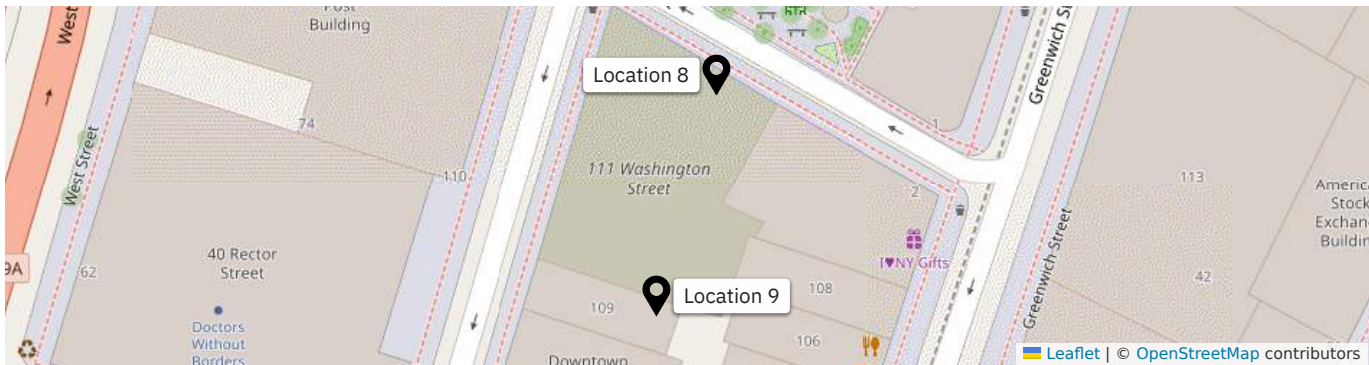
**Photo 2:** Urban excavating in the northern part of the site (facing west).



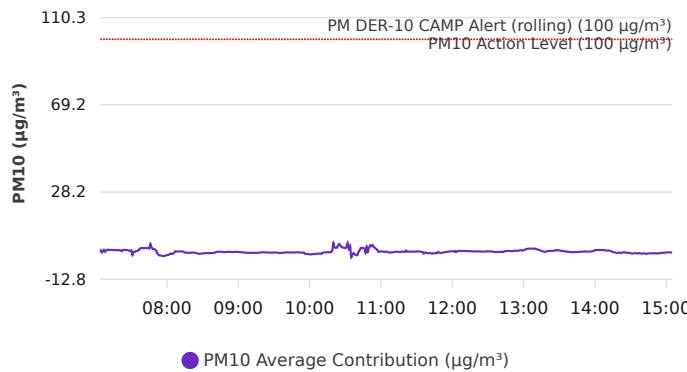
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	7/12/2024 06:00
		<b>To:</b>	7/12/2024 17:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
7/12/2024	0.2-3.3	W

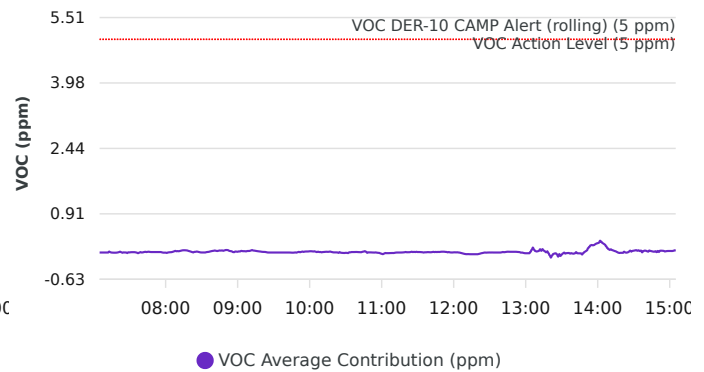
Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 7/12/2024	-2.5	10:35	-0.12	13:21
Max Contribution (15 min avg.) - 7/12/2024	4.4	10:32	0.28	14:02



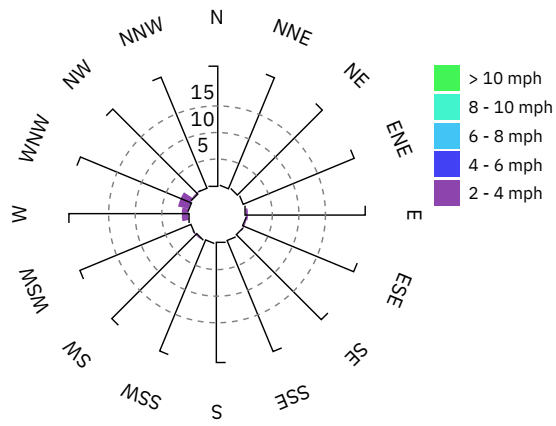
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**VOC Average Contribution (ppm)**



Contribution wind rose (mph)





Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 07:04:00	6.7	8.0	1.3				1.1	SE
7/12/2024 07:05:00	7.2	7.0	-0.2	0.00	0.00	0.00	1.3	E
7/12/2024 07:06:00	6.9	7.1	0.3	0.00	0.00	0.00	1.2	ESE
7/12/2024 07:07:00	6.7	7.8	1.1	0.00	0.00	0.00	0.5	W
7/12/2024 07:08:00	7.3	7.5	0.1	0.00	0.00	0.00	0.4	N
7/12/2024 07:09:00	7.2	7.9	0.8	0.00	0.00	0.00	0.4	ESE
7/12/2024 07:10:00	7.0	8.2	1.2	0.00	0.00	0.00	0.4	SSE
7/12/2024 07:11:00	6.9	8.0	1.1	0.00	0.00	0.00	0.4	SSE
7/12/2024 07:12:00	6.9	7.8	1.0	0.00	0.00	0.00	0.3	WNW
7/12/2024 07:13:00	6.8	7.8	1.0	0.00	0.02	0.02	0.4	S
7/12/2024 07:14:00	6.8	7.8	1.0	0.01	0.02	0.01	0.4	E
7/12/2024 07:15:00	6.8	7.7	0.9	0.02	0.02	0.00	0.5	ESE
7/12/2024 07:16:00	6.8	7.7	0.9	0.02	0.02	0.00	0.5	ESE
7/12/2024 07:17:00	6.7	7.6	0.9	0.02	0.01	0.00	0.5	NNE
7/12/2024 07:18:00	6.8	7.8	1.0	0.02	0.01	0.00	0.4	WNW
7/12/2024 07:19:00	7.0	7.8	0.8	0.02	0.01	0.00	0.3	NW
7/12/2024 07:20:00	6.9	7.8	0.9	0.02	0.02	0.00	0.1	WNW
7/12/2024 07:21:00	7.0	7.8	0.8	0.02	0.02	0.01	0.1	WNW
7/12/2024 07:22:00	7.2	7.6	0.4	0.02	0.04	0.02	0.2	WNW
7/12/2024 07:23:00	7.0	8.0	1.1	0.03	0.04	0.01	0.3	WNW
7/12/2024 07:24:00	7.0	8.0	1.0	0.04	0.04	-0.01	0.3	NE
7/12/2024 07:25:00	7.1	8.0	0.9	0.04	0.04	0.00	0.3	ESE
7/12/2024 07:26:00	7.1	8.2	1.1	0.04	0.04	0.00	0.3	E
7/12/2024 07:27:00	7.2	8.1	0.9	0.04	0.04	0.00	0.2	ESE
7/12/2024 07:28:00	7.2	7.9	0.7	0.04	0.03	-0.01	0.2	SSW
7/12/2024 07:29:00	7.2	7.8	0.6	0.03	0.04	0.00	0.3	WNW
7/12/2024 07:30:00	7.2	8.0	0.8	0.03	0.04	0.00	0.3	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 07:31:00	9.4	7.9	-1.5	0.03	0.04	0.01	0.3	ESE
7/12/2024 07:32:00	9.5	9.5	0.0	0.03	0.04	0.01	0.2	E
7/12/2024 07:33:00	9.9	10.0	0.1	0.03	0.04	0.01	0.1	NNE
7/12/2024 07:34:00	10.3	10.8	0.5	0.03	0.04	0.01	0.1	N
7/12/2024 07:35:00	11.1	11.7	0.6	0.03	0.04	0.00	0.2	ESE
7/12/2024 07:36:00	11.6	12.4	0.7	0.03	0.03	0.00	0.3	ESE
7/12/2024 07:37:00	11.6	13.2	1.5	0.03	0.02	-0.01	0.5	ENE
7/12/2024 07:38:00	11.7	13.6	1.8	0.02	0.02	0.00	0.6	ENE
7/12/2024 07:39:00	11.8	13.7	1.9	0.01	0.02	0.01	0.6	ESE
7/12/2024 07:40:00	11.8	13.6	1.8	0.01	0.01	0.00	0.7	SE
7/12/2024 07:41:00	11.8	13.6	1.8	0.01	0.01	0.00	0.5	W
7/12/2024 07:42:00	11.8	13.7	1.9	0.01	0.02	0.01	0.4	W
7/12/2024 07:43:00	11.9	13.8	1.9	0.01	0.02	0.02	0.4	SSE
7/12/2024 07:44:00	11.9	13.8	1.9	0.01	0.02	0.01	0.4	W
7/12/2024 07:45:00	11.9	13.6	1.7	0.00	0.02	0.02	0.2	WNW
7/12/2024 07:46:00	9.7	13.6	3.9	0.00	0.02	0.02	0.1	WSW
7/12/2024 07:47:00	9.8	11.9	2.1	0.01	0.02	0.01	0.1	NNE
7/12/2024 07:48:00	9.7	11.1	1.4	0.01	0.02	0.01	0.1	NNE
7/12/2024 07:49:00	9.2	10.6	1.4	0.01	0.02	0.01	0.0	SW
7/12/2024 07:50:00	8.7	9.9	1.1	0.01	0.02	0.01	0.1	N
7/12/2024 07:51:00	8.8	9.4	0.6	0.01	0.02	0.01	0.2	S
7/12/2024 07:52:00	9.3	8.6	-0.7	0.01	0.02	0.01	0.2	SE
7/12/2024 07:53:00	9.2	7.9	-1.3	0.01	0.02	0.01	0.2	NNW
7/12/2024 07:54:00	9.3	7.7	-1.6	0.01	0.02	0.01	0.2	ESE
7/12/2024 07:55:00	9.3	7.7	-1.6	0.01	0.02	0.01	0.2	ESE
7/12/2024 07:56:00	9.6	7.8	-1.8	0.01	0.02	0.01	0.0	ESE
7/12/2024 07:57:00	9.8	7.9	-1.9	0.01	0.01	0.00	0.1	SE
7/12/2024 07:58:00	9.9	8.1	-1.8	0.01	0.01	0.00	0.1	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 07:59:00	10.0	8.4	-1.6	0.01	0.01	0.00	0.3	SE
7/12/2024 08:00:00	10.1	8.7	-1.5	0.01	0.01	0.00	0.3	W
7/12/2024 08:01:00	10.1	8.7	-1.4	0.01	0.00	-0.01	0.3	W
7/12/2024 08:02:00	9.9	8.8	-1.1	0.00	0.00	0.00	0.3	W
7/12/2024 08:03:00	9.4	8.8	-0.7	0.00	0.01	0.01	0.3	ESE
7/12/2024 08:04:00	9.3	8.4	-0.9	0.00	0.01	0.01	0.3	WSW
7/12/2024 08:05:00	8.8	8.1	-0.7	0.00	0.01	0.01	0.3	WSW
7/12/2024 08:06:00	8.1	7.8	-0.3	0.00	0.02	0.02	0.4	SSW
7/12/2024 08:07:00	7.4	7.8	0.4	0.00	0.03	0.03	0.4	WSW
7/12/2024 08:08:00	7.5	7.7	0.3	0.00	0.04	0.04	0.4	WNW
7/12/2024 08:09:00	7.4	7.7	0.3	0.01	0.04	0.03	0.4	WNW
7/12/2024 08:10:00	7.2	7.5	0.3	0.01	0.04	0.03	0.5	SSE
7/12/2024 08:11:00	6.9	7.2	0.3	0.01	0.04	0.03	0.6	WNW
7/12/2024 08:12:00	6.6	6.9	0.3	0.01	0.05	0.04	0.7	WSW
7/12/2024 08:13:00	6.3	6.6	0.3	0.01	0.06	0.04	0.7	ESE
7/12/2024 08:14:00	6.2	6.2	0.1	0.01	0.06	0.05	0.7	ESE
7/12/2024 08:15:00	6.1	5.9	-0.1	0.01	0.07	0.05	0.6	SE
7/12/2024 08:16:00	6.2	5.8	-0.4	0.01	0.07	0.05	0.5	ESE
7/12/2024 08:17:00	6.1	5.9	-0.3	0.01	0.06	0.05	0.5	E
7/12/2024 08:18:00	6.1	5.8	-0.3	0.01	0.06	0.05	0.5	W
7/12/2024 08:19:00	6.1	5.8	-0.3	0.02	0.06	0.04	0.4	E
7/12/2024 08:20:00	6.0	5.7	-0.3	0.03	0.06	0.03	0.3	E
7/12/2024 08:21:00	5.9	5.6	-0.2	0.03	0.05	0.02	0.2	WNW
7/12/2024 08:22:00	5.8	5.5	-0.3	0.03	0.04	0.01	0.2	WSW
7/12/2024 08:23:00	5.6	5.4	-0.2	0.03	0.03	0.00	0.2	W
7/12/2024 08:24:00	5.6	5.2	-0.4	0.02	0.03	0.01	0.2	W
7/12/2024 08:25:00	5.6	5.2	-0.5	0.02	0.04	0.02	0.1	WSW
7/12/2024 08:26:00	5.9	5.2	-0.7	0.01	0.04	0.02	0.3	ESE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 08:27:00	6.0	5.2	-0.8	0.01	0.03	0.02	0.4	SSE
7/12/2024 08:28:00	6.0	5.2	-0.8	0.01	0.03	0.01	0.3	SSE
7/12/2024 08:29:00	6.0	5.3	-0.7	0.01	0.02	0.00	0.3	SSW
7/12/2024 08:30:00	6.0	5.4	-0.6	0.01	0.02	0.00	0.2	ENE
7/12/2024 08:31:00	6.0	5.5	-0.5	0.01	0.02	0.00	0.2	E
7/12/2024 08:32:00	6.0	5.4	-0.6	0.01	0.02	0.00	0.1	WNW
7/12/2024 08:33:00	6.0	5.6	-0.4	0.01	0.02	0.00	0.2	SSE
7/12/2024 08:34:00	6.1	5.6	-0.5	0.01	0.02	0.01	0.2	ESE
7/12/2024 08:35:00	6.2	5.7	-0.5	0.00	0.02	0.01	0.2	E
7/12/2024 08:36:00	6.2	5.7	-0.5	0.00	0.02	0.02	0.3	SSW
7/12/2024 08:37:00	6.3	5.8	-0.5	0.00	0.03	0.02	0.2	WNW
7/12/2024 08:38:00	6.3	5.8	-0.5	0.00	0.03	0.03	0.2	W
7/12/2024 08:39:00	6.2	5.8	-0.4	0.00	0.04	0.04	0.3	WNW
7/12/2024 08:40:00	6.2	5.9	-0.3	0.00	0.04	0.04	0.3	SSW
7/12/2024 08:41:00	6.0	5.8	-0.1	0.00	0.05	0.05	0.3	W
7/12/2024 08:42:00	5.7	5.8	0.1	0.01	0.05	0.04	0.3	ESE
7/12/2024 08:43:00	5.6	5.8	0.2	0.01	0.05	0.04	0.3	WNW
7/12/2024 08:44:00	5.6	5.8	0.2	0.01	0.05	0.04	0.3	W
7/12/2024 08:45:00	5.5	5.7	0.1	0.01	0.06	0.05	0.4	SSE
7/12/2024 08:46:00	5.5	5.7	0.1	0.02	0.06	0.04	0.5	NW
7/12/2024 08:47:00	5.5	5.6	0.1	0.02	0.07	0.05	0.5	WSW
7/12/2024 08:48:00	5.5	5.5	-0.1	0.03	0.07	0.04	0.5	WNW
7/12/2024 08:49:00	5.4	5.5	0.0	0.03	0.07	0.05	0.7	W
7/12/2024 08:50:00	5.4	5.5	0.1	0.02	0.08	0.06	0.7	SSE
7/12/2024 08:51:00	5.3	5.4	0.1	0.02	0.08	0.06	0.7	SW
7/12/2024 08:52:00	5.3	5.4	0.1	0.02	0.08	0.06	0.6	SW
7/12/2024 08:53:00	5.4	5.5	0.1	0.03	0.07	0.04	0.5	E
7/12/2024 08:54:00	5.4	5.5	0.1	0.03	0.06	0.03	0.3	SSE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 08:55:00	5.5	5.5	0.0	0.03	0.06	0.03	0.4	WSW
7/12/2024 08:56:00	5.6	5.6	0.1	0.04	0.05	0.01	0.5	WNW
7/12/2024 08:57:00	5.6	5.7	0.1	0.04	0.05	0.01	0.6	WNW
7/12/2024 08:58:00	5.6	5.7	0.1	0.04	0.06	0.02	0.5	ESE
7/12/2024 08:59:00	5.5	5.6	0.1	0.04	0.06	0.02	0.5	SW
7/12/2024 09:00:00	5.6	5.6	0.0	0.04	0.05	0.02	0.5	SE
7/12/2024 09:01:00	5.5	5.5	0.0	0.03	0.06	0.03	0.5	SSW
7/12/2024 09:02:00	5.5	5.5	0.0	0.03	0.06	0.03	0.5	S
7/12/2024 09:03:00	5.6	5.5	-0.1	0.02	0.06	0.04	0.6	S
7/12/2024 09:04:00	5.6	5.4	-0.1	0.02	0.06	0.03	0.6	SSW
7/12/2024 09:05:00	5.6	5.3	-0.2	0.02	0.06	0.03	0.6	W
7/12/2024 09:06:00	5.5	5.3	-0.3	0.02	0.06	0.03	0.6	SE
7/12/2024 09:07:00	5.5	5.2	-0.3	0.02	0.05	0.03	0.5	W
7/12/2024 09:08:00	5.4	5.1	-0.3	0.02	0.05	0.04	0.7	WSW
7/12/2024 09:09:00	5.3	5.0	-0.3	0.02	0.05	0.04	0.7	SE
7/12/2024 09:10:00	5.2	4.8	-0.3	0.02	0.06	0.04	0.7	W
7/12/2024 09:11:00	5.1	4.7	-0.4	0.01	0.06	0.05	0.7	SSW
7/12/2024 09:12:00	5.0	4.6	-0.4	0.00	0.06	0.06	0.7	ESE
7/12/2024 09:13:00	4.9	4.5	-0.4	0.00	0.05	0.05	0.7	SE
7/12/2024 09:14:00	4.9	4.5	-0.4	0.00	0.04	0.04	0.6	WSW
7/12/2024 09:15:00	4.8	4.5	-0.3	0.00	0.04	0.04	0.6	E
7/12/2024 09:16:00	4.7	4.4	-0.3	0.00	0.04	0.03	0.5	ESE
7/12/2024 09:17:00	4.7	4.4	-0.3	0.00	0.03	0.03	0.5	SSE
7/12/2024 09:18:00	4.5	4.4	-0.2	0.00	0.03	0.03	0.4	WNW
7/12/2024 09:19:00	4.5	4.3	-0.1	0.00	0.02	0.02	0.4	NE
7/12/2024 09:20:00	4.4	4.3	-0.1	0.00	0.02	0.02	0.3	ESE
7/12/2024 09:21:00	4.4	4.3	-0.1	0.00	0.01	0.01	0.3	SW
7/12/2024 09:22:00	4.4	4.3	-0.1	0.00	0.01	0.01	0.3	SE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 09:23:00	4.4	4.3	-0.1	0.00	0.01	0.01	0.3	ESE
7/12/2024 09:24:00	4.5	4.3	-0.2	0.00	0.01	0.01	0.3	S
7/12/2024 09:25:00	4.5	4.3	-0.2	0.00	0.00	0.00	0.3	WSW
7/12/2024 09:26:00	4.5	4.3	-0.2	0.00	0.00	0.00	0.2	ENE
7/12/2024 09:27:00	4.6	4.3	-0.2	0.00	0.00	0.00	0.2	S
7/12/2024 09:28:00	4.6	4.4	-0.3	0.00	0.00	0.00	0.2	SW
7/12/2024 09:29:00	4.7	4.4	-0.2	0.00	0.00	0.00	0.2	WNW
7/12/2024 09:30:00	4.7	4.5	-0.2	0.00	0.00	0.00	0.2	ESE
7/12/2024 09:31:00	4.7	4.6	-0.2	0.00	0.00	0.00	0.2	NE
7/12/2024 09:32:00	4.8	4.6	-0.2	0.00	0.00	0.00	0.2	S
7/12/2024 09:33:00	4.9	4.6	-0.3	0.00	0.00	0.00	0.3	SSW
7/12/2024 09:34:00	5.0	4.7	-0.4	0.00	0.00	0.00	0.3	SSE
7/12/2024 09:35:00	5.1	4.7	-0.4	0.00	0.00	0.00	0.4	ESE
7/12/2024 09:36:00	5.1	4.8	-0.4	0.00	0.00	0.00	0.4	ESE
7/12/2024 09:37:00	5.2	4.8	-0.4	0.00	0.00	0.00	0.4	ESE
7/12/2024 09:38:00	5.2	4.9	-0.3	0.00	0.00	0.00	0.3	W
7/12/2024 09:39:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.2	NNW
7/12/2024 09:40:00	5.2	5.0	-0.1	0.00	0.00	0.00	0.3	ESE
7/12/2024 09:41:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.3	SSW
7/12/2024 09:42:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.4	SSE
7/12/2024 09:43:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.4	ESE
7/12/2024 09:44:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.5	W
7/12/2024 09:45:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.5	E
7/12/2024 09:46:00	5.2	5.1	-0.1	0.00	0.00	0.00	0.4	WNW
7/12/2024 09:47:00	5.2	5.0	-0.2	0.00	0.00	0.00	0.3	W
7/12/2024 09:48:00	5.1	5.0	-0.1	0.00	0.01	0.00	0.2	WNW
7/12/2024 09:49:00	5.0	4.9	-0.1	0.01	0.01	0.00	0.2	WNW
7/12/2024 09:50:00	5.0	4.9	-0.1	0.01	0.01	0.01	0.3	W



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 09:51:00	5.0	4.8	-0.2	0.01	0.02	0.01	0.4	W
7/12/2024 09:52:00	4.9	4.8	-0.1	0.02	0.02	0.01	0.6	NW
7/12/2024 09:53:00	4.9	4.7	-0.2	0.02	0.03	0.01	0.6	W
7/12/2024 09:54:00	4.9	4.6	-0.3	0.02	0.04	0.02	0.6	W
7/12/2024 09:55:00	4.8	4.6	-0.2	0.02	0.04	0.01	0.7	NNW
7/12/2024 09:56:00	5.3	4.6	-0.7	0.02	0.05	0.02	0.7	SW
7/12/2024 09:57:00	5.5	4.5	-0.9	0.02	0.05	0.02	0.7	ESE
7/12/2024 09:58:00	5.5	4.6	-0.9	0.02	0.05	0.02	0.8	WSW
7/12/2024 09:59:00	5.5	4.6	-0.9	0.02	0.05	0.03	0.7	SE
7/12/2024 10:00:00	5.5	4.5	-1.0	0.02	0.05	0.03	0.8	W
7/12/2024 10:01:00	5.5	4.4	-1.1	0.02	0.05	0.03	0.8	W
7/12/2024 10:02:00	5.4	4.4	-1.0	0.02	0.05	0.03	0.7	NE
7/12/2024 10:03:00	5.4	4.5	-0.9	0.02	0.04	0.02	0.5	NE
7/12/2024 10:04:00	5.5	4.5	-0.9	0.02	0.04	0.03	0.5	NE
7/12/2024 10:05:00	5.5	4.6	-0.9	0.02	0.04	0.02	0.3	ESE
7/12/2024 10:06:00	5.4	4.7	-0.7	0.02	0.03	0.01	0.1	ESE
7/12/2024 10:07:00	5.5	4.7	-0.7	0.01	0.03	0.02	0.1	ESE
7/12/2024 10:08:00	5.5	4.8	-0.7	0.01	0.02	0.01	0.2	S
7/12/2024 10:09:00	5.5	4.8	-0.7	0.01	0.02	0.01	0.1	W
7/12/2024 10:10:00	5.6	4.7	-0.8	0.01	0.02	0.01	0.2	WNW
7/12/2024 10:11:00	5.1	4.8	-0.3	0.01	0.03	0.01	0.2	SSW
7/12/2024 10:12:00	5.0	4.8	-0.2	0.01	0.03	0.01	0.1	WSW
7/12/2024 10:13:00	5.0	4.8	-0.2	0.01	0.03	0.02	0.1	WSW
7/12/2024 10:14:00	4.9	4.8	-0.1	0.01	0.03	0.02	0.1	SSE
7/12/2024 10:15:00	4.9	4.9	-0.1	0.02	0.03	0.02	0.1	NE
7/12/2024 10:16:00	5.0	4.9	-0.1	0.02	0.03	0.02	0.1	WSW
7/12/2024 10:17:00	5.0	4.9	-0.1	0.02	0.04	0.02	0.1	W
7/12/2024 10:18:00	5.0	5.0	-0.1	0.02	0.04	0.01	0.2	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 10:19:00	5.2	5.9	0.8	0.03	0.04	0.01	0.2	WNW
7/12/2024 10:20:00	5.9	10.2	4.3	0.04	0.04	0.00	0.3	WNW
7/12/2024 10:21:00	9.0	11.3	2.3	0.04	0.04	0.00	0.4	W
7/12/2024 10:22:00	10.1	12.1	2.0	0.04	0.04	0.00	0.5	SSE
7/12/2024 10:23:00	10.7	12.8	2.1	0.04	0.04	0.00	0.6	NW
7/12/2024 10:24:00	11.0	14.3	3.3	0.04	0.03	-0.01	0.4	ENE
7/12/2024 10:25:00	11.4	15.2	3.8	0.03	0.03	0.01	0.4	N
7/12/2024 10:26:00	12.6	15.5	2.9	0.03	0.02	-0.01	0.4	WSW
7/12/2024 10:27:00	13.4	15.8	2.3	0.03	0.02	-0.01	0.4	W
7/12/2024 10:28:00	13.8	15.9	2.1	0.03	0.01	-0.01	0.4	SE
7/12/2024 10:29:00	13.9	15.9	2.0	0.03	0.01	-0.01	0.4	SSE
7/12/2024 10:30:00	14.0	15.9	1.9	0.02	0.02	-0.01	0.4	SE
7/12/2024 10:31:00	13.9	16.1	2.2	0.02	0.02	-0.01	0.3	WNW
7/12/2024 10:32:00	13.9	18.3	4.4	0.02	0.01	-0.01	0.3	NW
7/12/2024 10:33:00	16.9	18.2	1.4	0.02	0.02	0.01	0.1	ESE
7/12/2024 10:34:00	16.7	19.7	3.0	0.02	0.02	0.01	0.1	E
7/12/2024 10:35:00	18.0	15.4	-2.5	0.01	0.02	0.01	0.0	WNW
7/12/2024 10:36:00	16.5	15.3	-1.1	0.01	0.02	0.01	0.0	W
7/12/2024 10:37:00	16.2	15.8	-0.5	0.01	0.02	0.01	0.1	E
7/12/2024 10:38:00	16.4	15.3	-1.1	0.01	0.02	0.01	0.2	ESE
7/12/2024 10:39:00	16.2	14.8	-1.4	0.01	0.02	0.01	0.1	WNW
7/12/2024 10:40:00	16.1	14.6	-1.5	0.01	0.02	0.01	0.1	N
7/12/2024 10:41:00	15.0	14.9	-0.1	0.01	0.02	0.01	0.2	E
7/12/2024 10:42:00	14.3	15.2	0.9	0.01	0.02	0.01	0.3	E
7/12/2024 10:43:00	14.2	16.1	1.9	0.01	0.02	0.01	0.2	WNW
7/12/2024 10:44:00	14.5	16.5	2.0	0.01	0.03	0.02	0.2	SSW
7/12/2024 10:45:00	14.8	16.8	2.0	0.01	0.03	0.02	0.1	WSW
7/12/2024 10:46:00	15.2	16.8	1.7	0.01	0.04	0.03	0.1	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 10:47:00	15.4	15.0	-0.4	0.02	0.04	0.02	0.1	WNW
7/12/2024 10:48:00	12.6	15.2	2.6	0.04	0.03	-0.01	0.1	NE
7/12/2024 10:49:00	12.8	12.8	0.1	0.03	0.03	0.00	0.2	WNW
7/12/2024 10:50:00	11.0	13.1	2.2	0.03	0.03	0.00	0.2	NNE
7/12/2024 10:51:00	9.6	12.8	3.2	0.03	0.03	0.00	0.2	NNW
7/12/2024 10:52:00	9.0	11.8	2.7	0.03	0.03	0.00	0.2	NNW
7/12/2024 10:53:00	8.4	11.7	3.3	0.03	0.03	0.00	0.4	WNW
7/12/2024 10:54:00	8.4	10.8	2.4	0.03	0.03	0.00	0.4	WNW
7/12/2024 10:55:00	8.4	10.3	1.9	0.03	0.03	0.00	0.5	W
7/12/2024 10:56:00	8.5	9.9	1.5	0.04	0.03	0.00	0.6	WNW
7/12/2024 10:57:00	8.6	9.5	0.9	0.04	0.03	-0.01	0.6	NW
7/12/2024 10:58:00	8.6	8.7	0.1	0.04	0.03	-0.01	0.5	ESE
7/12/2024 10:59:00	8.3	8.4	0.2	0.04	0.02	-0.02	0.5	WSW
7/12/2024 11:00:00	8.0	8.3	0.3	0.04	0.01	-0.03	0.6	WNW
7/12/2024 11:01:00	7.8	8.2	0.4	0.04	0.00	-0.04	0.4	E
7/12/2024 11:02:00	7.8	7.9	0.2	0.03	0.00	-0.03	0.3	ENE
7/12/2024 11:03:00	7.8	7.8	0.0	0.02	0.00	-0.01	0.3	ENE
7/12/2024 11:04:00	7.7	7.9	0.2	0.02	0.00	-0.01	0.2	ESE
7/12/2024 11:05:00	7.5	7.7	0.2	0.02	0.00	-0.01	0.2	W
7/12/2024 11:06:00	7.4	7.2	-0.1	0.02	0.00	-0.01	0.2	WNW
7/12/2024 11:07:00	7.3	7.0	-0.2	0.01	0.00	-0.01	0.1	E
7/12/2024 11:08:00	7.2	7.1	-0.2	0.01	0.00	-0.01	0.2	NNW
7/12/2024 11:09:00	7.2	7.1	-0.1	0.01	0.00	-0.01	0.2	NW
7/12/2024 11:10:00	7.2	7.1	-0.1	0.01	0.00	-0.01	0.3	N
7/12/2024 11:11:00	6.9	6.9	0.0	0.01	0.00	-0.01	0.4	NNE
7/12/2024 11:12:00	6.7	6.8	0.1	0.00	0.00	0.00	0.4	NW
7/12/2024 11:13:00	6.5	6.7	0.2	0.00	0.00	0.00	0.4	N
7/12/2024 11:14:00	6.5	6.6	0.1	0.00	0.00	0.00	0.5	E



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 11:15:00	6.5	6.5	0.0	0.00	0.00	0.00	0.5	NW
7/12/2024 11:16:00	6.4	6.5	0.1	0.00	0.00	0.00	0.4	N
7/12/2024 11:17:00	6.4	6.5	0.1	0.00	0.00	0.00	0.3	W
7/12/2024 11:18:00	6.4	6.6	0.2	0.00	0.00	0.00	0.3	W
7/12/2024 11:19:00	6.4	6.5	0.2	0.00	0.01	0.01	0.4	WNW
7/12/2024 11:20:00	6.4	6.4	0.1	0.00	0.01	0.01	0.4	W
7/12/2024 11:21:00	6.4	7.1	0.7	0.01	0.01	0.01	0.5	WNW
7/12/2024 11:22:00	6.9	7.2	0.2	0.01	0.01	0.01	0.6	W
7/12/2024 11:23:00	6.8	7.0	0.2	0.01	0.01	0.01	0.7	WNW
7/12/2024 11:24:00	6.7	6.9	0.2	0.01	0.02	0.01	0.7	WNW
7/12/2024 11:25:00	6.6	6.8	0.2	0.01	0.02	0.02	0.8	WNW
7/12/2024 11:26:00	6.5	6.7	0.2	0.01	0.02	0.01	0.8	WNW
7/12/2024 11:27:00	6.5	6.6	0.1	0.01	0.03	0.01	0.8	WNW
7/12/2024 11:28:00	6.3	6.6	0.3	0.02	0.03	0.01	0.9	WNW
7/12/2024 11:29:00	6.3	6.5	0.2	0.02	0.03	0.02	1.0	SSW
7/12/2024 11:30:00	6.1	6.5	0.4	0.02	0.03	0.01	1.0	ENE
7/12/2024 11:31:00	6.0	6.2	0.2	0.02	0.04	0.01	1.0	W
7/12/2024 11:32:00	5.8	6.2	0.3	0.02	0.03	0.01	0.9	ENE
7/12/2024 11:33:00	5.8	5.9	0.2	0.02	0.03	0.01	0.7	SE
7/12/2024 11:34:00	5.7	5.8	0.1	0.02	0.03	0.01	0.6	ESE
7/12/2024 11:35:00	5.6	5.7	0.1	0.02	0.02	0.00	0.5	NNE
7/12/2024 11:36:00	5.6	4.8	-0.7	0.02	0.02	0.01	0.4	SSE
7/12/2024 11:37:00	4.9	4.6	-0.2	0.02	0.02	0.01	0.3	SSW
7/12/2024 11:38:00	4.8	4.5	-0.3	0.02	0.03	0.01	0.4	W
7/12/2024 11:39:00	4.8	4.4	-0.5	0.02	0.03	0.01	0.4	WNW
7/12/2024 11:40:00	4.8	4.3	-0.5	0.02	0.02	0.01	0.5	W
7/12/2024 11:41:00	4.7	4.2	-0.5	0.02	0.02	0.01	0.4	NNE
7/12/2024 11:42:00	4.6	4.1	-0.5	0.02	0.03	0.01	0.4	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 11:43:00	4.6	3.9	-0.7	0.01	0.03	0.02	0.4	SW
7/12/2024 11:44:00	4.5	3.9	-0.6	0.01	0.02	0.01	0.5	NW
7/12/2024 11:45:00	4.4	3.8	-0.6	0.01	0.02	0.01	0.5	NNE
7/12/2024 11:46:00	4.2	3.8	-0.4	0.01	0.02	0.01	0.5	WNW
7/12/2024 11:47:00	4.1	3.5	-0.6	0.01	0.03	0.01	0.6	SSW
7/12/2024 11:48:00	3.9	3.9	0.0	0.01	0.03	0.01	0.7	WNW
7/12/2024 11:49:00	4.2	3.9	-0.3	0.01	0.03	0.02	0.8	W
7/12/2024 11:50:00	4.2	3.8	-0.4	0.01	0.03	0.02	0.9	SSW
7/12/2024 11:51:00	4.1	3.7	-0.4	0.01	0.03	0.02	1.0	W
7/12/2024 11:52:00	4.0	3.8	-0.3	0.01	0.03	0.02	1.1	WNW
7/12/2024 11:53:00	3.9	3.9	-0.1	0.01	0.03	0.01	1.0	WNW
7/12/2024 11:54:00	3.9	3.8	0.0	0.01	0.03	0.01	0.8	WNW
7/12/2024 11:55:00	3.8	3.9	0.1	0.02	0.02	0.01	0.7	ENE
7/12/2024 11:56:00	3.8	3.9	0.1	0.01	0.02	0.01	0.7	ESE
7/12/2024 11:57:00	3.7	3.9	0.2	0.01	0.01	0.00	0.7	WNW
7/12/2024 11:58:00	3.6	4.0	0.4	0.01	0.01	0.00	0.5	E
7/12/2024 11:59:00	3.7	4.0	0.4	0.01	0.01	0.00	0.3	ESE
7/12/2024 12:00:00	3.7	4.1	0.4	0.01	0.01	0.00	0.2	E
7/12/2024 12:01:00	3.8	4.1	0.3	0.01	0.01	0.01	0.2	NW
7/12/2024 12:02:00	3.8	4.2	0.5	0.01	0.01	0.00	0.2	NW
7/12/2024 12:03:00	3.9	3.8	0.0	0.01	0.01	0.01	0.2	WNW
7/12/2024 12:04:00	3.4	3.9	0.4	0.01	0.01	0.00	0.1	NNW
7/12/2024 12:05:00	3.4	3.9	0.4	0.01	0.00	0.00	0.2	WNW
7/12/2024 12:06:00	3.4	4.0	0.5	0.01	0.00	-0.01	0.2	NW
7/12/2024 12:07:00	3.4	4.0	0.5	0.02	0.00	-0.02	0.2	ESE
7/12/2024 12:08:00	3.5	4.0	0.4	0.03	0.00	-0.03	0.2	NW
7/12/2024 12:09:00	3.5	4.1	0.6	0.03	0.00	-0.03	0.2	WNW
7/12/2024 12:10:00	3.6	4.1	0.5	0.04	0.00	-0.04	0.2	NNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 12:11:00	3.7	4.2	0.5	0.04	0.00	-0.04	0.3	WNW
7/12/2024 12:12:00	3.7	4.2	0.5	0.04	0.00	-0.04	0.2	W
7/12/2024 12:13:00	3.8	4.3	0.5	0.04	0.00	-0.04	0.3	ENE
7/12/2024 12:14:00	3.9	4.3	0.4	0.04	0.00	-0.04	0.3	E
7/12/2024 12:15:00	4.0	4.4	0.4	0.04	0.00	-0.04	0.3	WNW
7/12/2024 12:16:00	4.1	4.5	0.4	0.04	0.00	-0.04	0.3	NNE
7/12/2024 12:17:00	4.2	4.5	0.3	0.04	0.00	-0.04	0.3	WNW
7/12/2024 12:18:00	4.2	4.6	0.4	0.04	0.00	-0.04	0.2	SE
7/12/2024 12:19:00	4.3	4.6	0.3	0.04	0.00	-0.04	0.2	E
7/12/2024 12:20:00	4.3	4.6	0.3	0.04	0.00	-0.04	0.2	NW
7/12/2024 12:21:00	4.3	4.6	0.3	0.04	0.00	-0.03	0.2	SSE
7/12/2024 12:22:00	4.3	4.6	0.3	0.03	0.00	-0.03	0.1	W
7/12/2024 12:23:00	4.3	4.7	0.3	0.02	0.00	-0.02	0.2	ESE
7/12/2024 12:24:00	4.4	4.7	0.3	0.01	0.00	-0.01	0.4	E
7/12/2024 12:25:00	4.5	4.7	0.2	0.01	0.00	-0.01	0.5	E
7/12/2024 12:26:00	4.6	4.8	0.2	0.00	0.00	0.00	0.5	W
7/12/2024 12:27:00	4.7	4.9	0.2	0.00	0.00	0.00	0.5	ENE
7/12/2024 12:28:00	4.8	5.1	0.3	0.00	0.00	0.00	0.5	SSE
7/12/2024 12:29:00	5.0	5.3	0.3	0.00	0.00	0.00	0.3	W
7/12/2024 12:30:00	5.0	5.4	0.4	0.00	0.00	0.00	0.3	WNW
7/12/2024 12:31:00	5.2	5.4	0.3	0.00	0.00	0.00	0.3	WNW
7/12/2024 12:32:00	5.2	5.5	0.3	0.00	0.00	0.00	0.3	ESE
7/12/2024 12:33:00	5.3	5.6	0.2	0.00	0.00	0.00	0.3	ENE
7/12/2024 12:34:00	5.4	5.6	0.3	0.00	0.00	0.00	0.3	ENE
7/12/2024 12:35:00	5.6	5.7	0.1	0.00	0.00	0.00	0.4	E
7/12/2024 12:36:00	5.7	5.7	0.0	0.00	0.00	0.00	0.4	ENE
7/12/2024 12:37:00	5.8	5.8	0.0	0.00	0.00	0.00	0.6	E
7/12/2024 12:38:00	5.8	5.8	0.0	0.00	0.00	0.00	0.4	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 12:39:00	5.8	5.9	0.1	0.00	0.00	0.00	0.2	WNW
7/12/2024 12:40:00	5.8	5.9	0.1	0.00	0.01	0.01	0.1	W
7/12/2024 12:41:00	5.8	5.9	0.1	0.00	0.01	0.01	0.1	WNW
7/12/2024 12:42:00	5.7	5.8	0.1	0.01	0.01	0.01	0.2	NW
7/12/2024 12:43:00	5.6	5.7	0.1	0.01	0.02	0.01	0.2	W
7/12/2024 12:44:00	5.6	6.0	0.4	0.01	0.02	0.02	0.2	W
7/12/2024 12:45:00	5.6	6.0	0.4	0.01	0.03	0.02	0.2	SSW
7/12/2024 12:46:00	5.5	6.1	0.6	0.01	0.03	0.02	0.2	WNW
7/12/2024 12:47:00	5.5	6.0	0.5	0.01	0.03	0.02	0.3	WNW
7/12/2024 12:48:00	5.4	5.9	0.6	0.01	0.03	0.02	0.4	WNW
7/12/2024 12:49:00	5.5	5.9	0.5	0.01	0.03	0.02	0.4	ESE
7/12/2024 12:50:00	5.4	5.9	0.5	0.01	0.03	0.02	0.5	SSW
7/12/2024 12:51:00	5.3	5.8	0.5	0.01	0.03	0.02	0.6	W
7/12/2024 12:52:00	5.2	5.8	0.6	0.01	0.03	0.02	0.7	NW
7/12/2024 12:53:00	5.2	5.8	0.6	0.01	0.03	0.01	0.6	ENE
7/12/2024 12:54:00	5.0	5.7	0.6	0.01	0.03	0.01	0.5	N
7/12/2024 12:55:00	5.1	5.6	0.6	0.01	0.02	0.01	0.5	W
7/12/2024 12:56:00	4.9	5.7	0.7	0.02	0.01	0.00	0.3	E
7/12/2024 12:57:00	4.8	5.7	0.8	0.02	0.01	0.00	0.2	E
7/12/2024 12:58:00	4.7	5.7	1.0	0.02	0.01	-0.01	0.2	E
7/12/2024 12:59:00	4.5	5.2	0.7	0.02	0.01	-0.01	0.1	ENE
7/12/2024 13:00:00	4.4	5.3	0.9	0.02	0.00	-0.02	0.1	ESE
7/12/2024 13:01:00	4.3	5.4	1.1	0.02	0.00	-0.02	0.2	E
7/12/2024 13:02:00	4.2	5.6	1.4	0.02	0.00	-0.02	0.4	E
7/12/2024 13:03:00	4.3	5.8	1.5	0.02	0.00	-0.02	0.3	W
7/12/2024 13:04:00	4.2	5.8	1.6	0.02	0.04	0.02	0.2	WNW
7/12/2024 13:05:00	4.2	5.8	1.6	0.02	0.09	0.06	0.2	W
7/12/2024 13:06:00	4.2	5.8	1.6	0.02	0.13	0.11	0.2	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 13:07:00	4.2	5.9	1.6	0.07	0.13	0.07	0.2	ENE
7/12/2024 13:08:00	4.2	5.9	1.7	0.10	0.13	0.04	0.1	NW
7/12/2024 13:09:00	4.3	5.9	1.6	0.11	0.13	0.03	0.1	WNW
7/12/2024 13:10:00	4.4	6.0	1.6	0.11	0.14	0.03	0.1	WNW
7/12/2024 13:11:00	4.5	5.9	1.4	0.10	0.14	0.04	0.2	W
7/12/2024 13:12:00	4.7	5.8	1.1	0.10	0.17	0.07	0.4	WNW
7/12/2024 13:13:00	4.8	5.9	1.1	0.13	0.17	0.04	0.4	WNW
7/12/2024 13:14:00	5.0	5.8	0.8	0.13	0.21	0.08	0.5	W
7/12/2024 13:15:00	5.0	5.6	0.6	0.16	0.20	0.05	0.6	NNE
7/12/2024 13:16:00	5.1	5.4	0.3	0.18	0.20	0.03	0.7	NNW
7/12/2024 13:17:00	5.0	5.3	0.3	0.20	0.20	0.01	0.8	NNE
7/12/2024 13:18:00	5.0	5.1	0.1	0.20	0.23	0.03	0.7	SW
7/12/2024 13:19:00	4.9	5.0	0.2	0.21	0.19	-0.02	0.5	E
7/12/2024 13:20:00	4.7	5.1	0.4	0.21	0.14	-0.07	0.4	WNW
7/12/2024 13:21:00	4.5	5.1	0.6	0.21	0.10	-0.12	0.4	ENE
7/12/2024 13:22:00	4.5	5.0	0.5	0.16	0.10	-0.07	0.4	ENE
7/12/2024 13:23:00	4.4	4.9	0.6	0.13	0.10	-0.04	0.3	ENE
7/12/2024 13:24:00	4.2	4.8	0.6	0.12	0.10	-0.02	0.3	NNW
7/12/2024 13:25:00	4.0	4.6	0.6	0.12	0.10	-0.02	0.3	W
7/12/2024 13:26:00	3.9	4.6	0.7	0.14	0.10	-0.04	0.3	NW
7/12/2024 13:27:00	3.7	4.6	0.9	0.15	0.06	-0.09	0.4	NW
7/12/2024 13:28:00	3.7	4.4	0.8	0.12	0.08	-0.04	0.3	SE
7/12/2024 13:29:00	3.6	4.5	0.9	0.13	0.05	-0.08	0.3	ENE
7/12/2024 13:30:00	3.6	4.4	0.8	0.10	0.05	-0.05	0.3	WNW
7/12/2024 13:31:00	3.6	4.3	0.7	0.07	0.05	-0.02	0.2	ESE
7/12/2024 13:32:00	3.6	4.1	0.5	0.06	0.05	0.00	0.2	NE
7/12/2024 13:33:00	3.5	4.0	0.6	0.06	0.03	-0.02	0.2	NE
7/12/2024 13:34:00	3.5	3.9	0.5	0.05	0.03	-0.01	0.2	E



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 13:35:00	3.5	3.8	0.3	0.04	0.03	-0.01	0.2	ESE
7/12/2024 13:36:00	3.7	3.8	0.1	0.04	0.03	-0.01	0.1	SW
7/12/2024 13:37:00	3.8	4.0	0.2	0.06	0.03	-0.03	0.2	WNW
7/12/2024 13:38:00	3.9	4.0	0.0	0.06	0.04	-0.02	0.3	W
7/12/2024 13:39:00	4.0	4.0	0.0	0.07	0.04	-0.02	0.3	WNW
7/12/2024 13:40:00	4.0	4.0	0.0	0.07	0.04	-0.03	0.3	WSW
7/12/2024 13:41:00	4.1	4.0	0.0	0.06	0.04	-0.02	0.1	ESE
7/12/2024 13:42:00	4.1	4.0	-0.1	0.04	0.04	0.01	0.1	SW
7/12/2024 13:43:00	4.2	4.1	0.0	0.04	0.03	-0.02	0.2	WNW
7/12/2024 13:44:00	4.2	4.2	0.1	0.05	0.03	-0.02	0.1	ESE
7/12/2024 13:45:00	4.2	4.3	0.0	0.05	0.03	-0.02	0.2	W
7/12/2024 13:46:00	4.2	4.2	0.1	0.05	0.03	-0.02	0.3	W
7/12/2024 13:47:00	4.1	4.2	0.1	0.07	0.03	-0.04	0.4	WNW
7/12/2024 13:48:00	4.1	4.2	0.1	0.07	0.06	-0.01	0.4	S
7/12/2024 13:49:00	4.1	4.2	0.1	0.07	0.08	0.01	0.5	SE
7/12/2024 13:50:00	4.0	4.3	0.2	0.07	0.10	0.03	0.6	W
7/12/2024 13:51:00	3.9	4.3	0.4	0.07	0.12	0.05	0.6	WNW
7/12/2024 13:52:00	3.8	4.0	0.2	0.06	0.16	0.10	0.6	WNW
7/12/2024 13:53:00	3.6	3.9	0.2	0.06	0.19	0.13	0.6	WSW
7/12/2024 13:54:00	3.6	3.8	0.2	0.05	0.22	0.17	0.6	WNW
7/12/2024 13:55:00	3.5	3.8	0.3	0.05	0.23	0.18	0.6	W
7/12/2024 13:56:00	3.5	3.8	0.3	0.06	0.23	0.17	0.7	WNW
7/12/2024 13:57:00	3.6	3.9	0.3	0.06	0.23	0.18	0.7	SW
7/12/2024 13:58:00	3.5	4.0	0.5	0.05	0.24	0.20	0.7	WNW
7/12/2024 13:59:00	3.5	4.0	0.5	0.04	0.25	0.21	0.9	W
7/12/2024 14:00:00	3.5	4.4	0.9	0.04	0.26	0.22	0.9	W
7/12/2024 14:01:00	3.5	4.5	1.0	0.04	0.27	0.23	0.7	SSE
7/12/2024 14:02:00	3.6	4.6	1.0	0.01	0.29	0.28	0.7	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 14:03:00	3.7	4.7	1.0	0.01	0.26	0.25	0.8	W
7/12/2024 14:04:00	3.8	4.7	1.0	0.02	0.24	0.22	0.8	E
7/12/2024 14:05:00	3.8	4.7	1.0	0.02	0.22	0.20	0.7	E
7/12/2024 14:06:00	3.8	4.7	0.9	0.02	0.20	0.18	0.6	E
7/12/2024 14:07:00	3.8	4.7	1.0	0.02	0.16	0.15	0.5	NW
7/12/2024 14:08:00	3.8	4.8	1.0	0.02	0.12	0.11	0.5	WNW
7/12/2024 14:09:00	4.1	4.8	0.7	0.02	0.10	0.08	0.4	NE
7/12/2024 14:10:00	4.1	4.8	0.7	0.02	0.08	0.06	0.4	NNW
7/12/2024 14:11:00	4.1	4.8	0.7	0.01	0.08	0.07	0.4	WNW
7/12/2024 14:12:00	4.0	4.7	0.7	0.01	0.07	0.06	0.4	NNW
7/12/2024 14:13:00	4.0	4.5	0.6	0.01	0.06	0.05	0.4	W
7/12/2024 14:14:00	4.1	4.5	0.4	0.02	0.05	0.04	0.3	NNE
7/12/2024 14:15:00	4.1	4.0	-0.1	0.02	0.04	0.03	0.2	ESE
7/12/2024 14:16:00	4.1	4.0	-0.1	0.02	0.03	0.01	0.2	ESE
7/12/2024 14:17:00	4.1	3.9	-0.2	0.02	0.01	0.00	0.1	SSE
7/12/2024 14:18:00	4.1	3.8	-0.3	0.02	0.01	-0.01	0.1	SSW
7/12/2024 14:19:00	4.1	3.7	-0.4	0.01	0.01	-0.01	0.1	WNW
7/12/2024 14:20:00	4.0	3.7	-0.3	0.01	0.01	-0.01	0.2	N
7/12/2024 14:21:00	3.9	3.7	-0.2	0.01	0.01	-0.01	0.3	N
7/12/2024 14:22:00	4.0	3.6	-0.4	0.01	0.03	0.02	0.3	W
7/12/2024 14:23:00	4.0	3.6	-0.3	0.03	0.03	0.00	0.4	WNW
7/12/2024 14:24:00	3.7	3.6	-0.1	0.03	0.03	0.00	0.4	NNW
7/12/2024 14:25:00	3.6	3.5	-0.1	0.03	0.04	0.00	0.5	WNW
7/12/2024 14:26:00	3.7	3.5	-0.2	0.03	0.05	0.02	0.5	WNW
7/12/2024 14:27:00	3.8	3.4	-0.4	0.03	0.07	0.04	0.6	W
7/12/2024 14:28:00	3.7	3.4	-0.3	0.04	0.07	0.02	0.6	NNE
7/12/2024 14:29:00	3.7	3.3	-0.4	0.04	0.08	0.04	0.6	WNW
7/12/2024 14:30:00	3.8	3.3	-0.5	0.04	0.08	0.04	0.7	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 14:31:00	3.9	3.2	-0.7	0.04	0.09	0.05	0.8	W
7/12/2024 14:32:00	3.9	3.1	-0.7	0.04	0.09	0.06	0.9	W
7/12/2024 14:33:00	3.8	3.3	-0.6	0.05	0.09	0.04	0.8	E
7/12/2024 14:34:00	3.8	3.3	-0.5	0.05	0.10	0.05	0.9	WNW
7/12/2024 14:35:00	3.8	3.3	-0.5	0.07	0.10	0.04	0.9	NW
7/12/2024 14:36:00	3.9	3.1	-0.7	0.07	0.11	0.04	1.0	W
7/12/2024 14:37:00	3.7	3.2	-0.5	0.08	0.09	0.01	0.9	NW
7/12/2024 14:38:00	3.7	3.1	-0.6	0.07	0.10	0.03	0.9	W
7/12/2024 14:39:00	3.7	2.9	-0.7	0.06	0.10	0.04	0.9	W
7/12/2024 14:40:00	3.6	2.9	-0.7	0.06	0.10	0.04	0.8	S
7/12/2024 14:41:00	3.4	2.8	-0.6	0.06	0.09	0.03	0.7	SSW
7/12/2024 14:42:00	3.4	2.8	-0.6	0.06	0.08	0.02	0.5	ESE
7/12/2024 14:43:00	3.4	2.6	-0.8	0.04	0.09	0.05	0.5	SE
7/12/2024 14:44:00	3.3	2.5	-0.7	0.04	0.08	0.04	0.6	WSW
7/12/2024 14:45:00	3.1	2.4	-0.6	0.04	0.07	0.03	0.6	WNW
7/12/2024 14:46:00	2.9	2.4	-0.6	0.04	0.07	0.02	0.6	W
7/12/2024 14:47:00	2.8	2.3	-0.6	0.04	0.06	0.02	0.7	W
7/12/2024 14:48:00	2.8	2.2	-0.6	0.03	0.06	0.03	0.8	NW
7/12/2024 14:49:00	2.6	2.1	-0.5	0.04	0.05	0.01	0.6	NE
7/12/2024 14:50:00	2.6	2.0	-0.6	0.03	0.06	0.03	0.7	WSW
7/12/2024 14:51:00	2.5	2.0	-0.5	0.04	0.05	0.01	0.7	WNW
7/12/2024 14:52:00	2.6	1.9	-0.7	0.02	0.06	0.04	0.6	SE
7/12/2024 14:53:00	2.6	2.0	-0.6	0.02	0.07	0.04	0.7	W
7/12/2024 14:54:00	2.6	2.1	-0.5	0.02	0.06	0.04	0.7	W
7/12/2024 14:55:00	2.6	2.1	-0.5	0.02	0.06	0.04	0.8	W
7/12/2024 14:56:00	2.6	2.1	-0.4	0.03	0.06	0.03	0.9	NW
7/12/2024 14:57:00	2.5	2.2	-0.3	0.03	0.06	0.03	1.0	WSW
7/12/2024 14:58:00	2.5	2.2	-0.3	0.03	0.07	0.04	1.0	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2024 14:59:00	2.5	2.2	-0.3	0.03	0.07	0.04	1.1	W
7/12/2024 15:00:00	2.5	2.2	-0.2	0.03	0.07	0.04	1.1	SSW
7/12/2024 15:01:00	2.4	2.3	-0.1	0.03	0.07	0.04	1.0	NW
7/12/2024 15:02:00	2.4	2.4	-0.1	0.03	0.07	0.04	0.8	S
7/12/2024 15:03:00	2.5	2.4	-0.1	0.03	0.07	0.04	1.0	WNW
7/12/2024 15:04:00	2.6	2.4	-0.2	0.02	0.07	0.05	1.2	W
7/12/2024 15:05:00	2.6	2.5	-0.2	0.02	0.06	0.04	1.2	WNW