

**DAILY FIELD REPORT 135**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	December 5, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 5:00 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> Caitlyn Dempsey (Environmental) Junggeun Hwang (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban excavated an L-shaped area with two 40-foot-long by 15-foot-wide areas around existing caissons from about 10 feet below grade surface (bgs) to about 20 feet bgs in the southern and southeastern parts of grids WC03\_10-15 and WC03\_15-20 for the foundation core mat. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban continued excavating an about 10-foot-long by 10-foot-wide area around existing caissons to about 8 feet bgs in the eastern part of grids WC05\_0-5 and WC05\_5-10 to cut down caissons. Excavated soil/fill was stockpiled in the western part of WC02, pending off-site disposal.
- Urban demolished concrete in the northern and central parts of waste characterization grid WC03 to prepare for equipment mobilization.
- Urban graded an about 55-foot-long by 45-foot-wide area of soil/fill in the western parts of WC02 and WC04 to prepare for equipment mobilization.
- Excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated PID readings, or other evidence of a petroleum or chemical release were not observed.

**Material Tracking:**

- The following soil/fill was exported from the site:
  - 9 loads of soil/fill from waste characterization grids WC02\_10-15, WC02\_15-20, WC03\_10-15, WC03\_15-20, WC05\_0-5 and/or WC05\_5-10 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- No material was imported to the site.

Materials Export Summary								
<b>Facility Name</b>	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
<b>Location</b>	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
<b>Type of Waste</b>	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&amp;D</i>	
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	-	9	180	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)
	129	2,540	183	3,560	0	-	15	300

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

Materials Import Summary								
<b>Facility Name</b>	<i>North Shore Terminal</i>							
<b>Location</b>	<i>Staten Island, NY</i>							
<b>Type of Material</b>	<i>ASTM57 0.75-inch Stone</i>							
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	-
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)
	2	40	-	-	0	-	0	-

**Samples Collected:**

- No samples were collected.

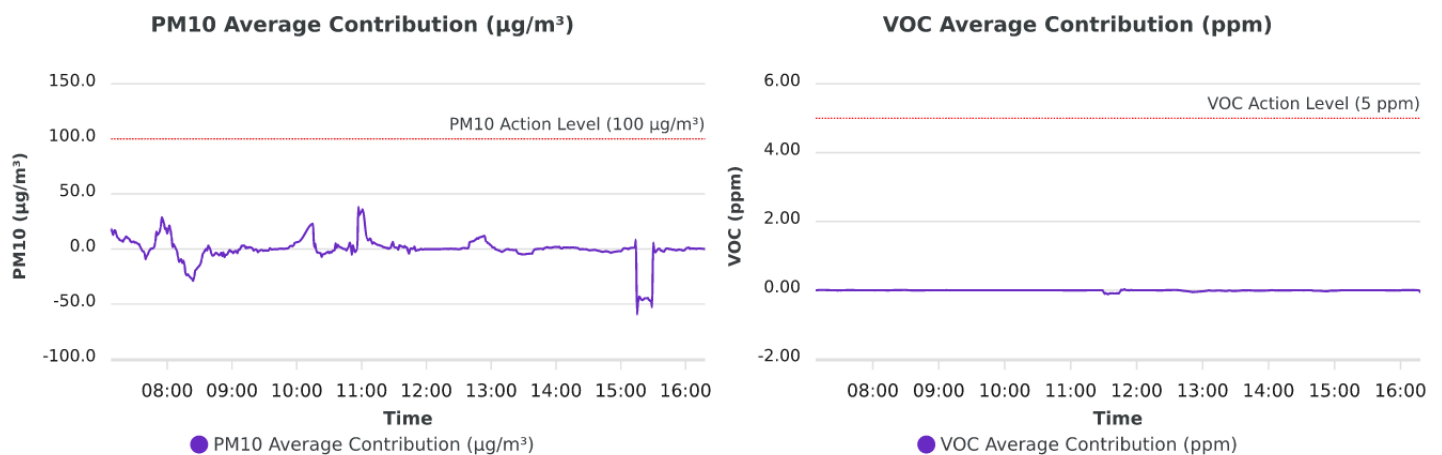
**Air Monitoring:**

The 15-minute average site contributions for particulates and volatile organic compounds (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 levels 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	24.4	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-59.6	VOC Average Site Contribution (Minimum)	-0.12
PM10 Average Site Contribution (Maximum)	38.2	VOC Average Site Contribution (Maximum)	0.03

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

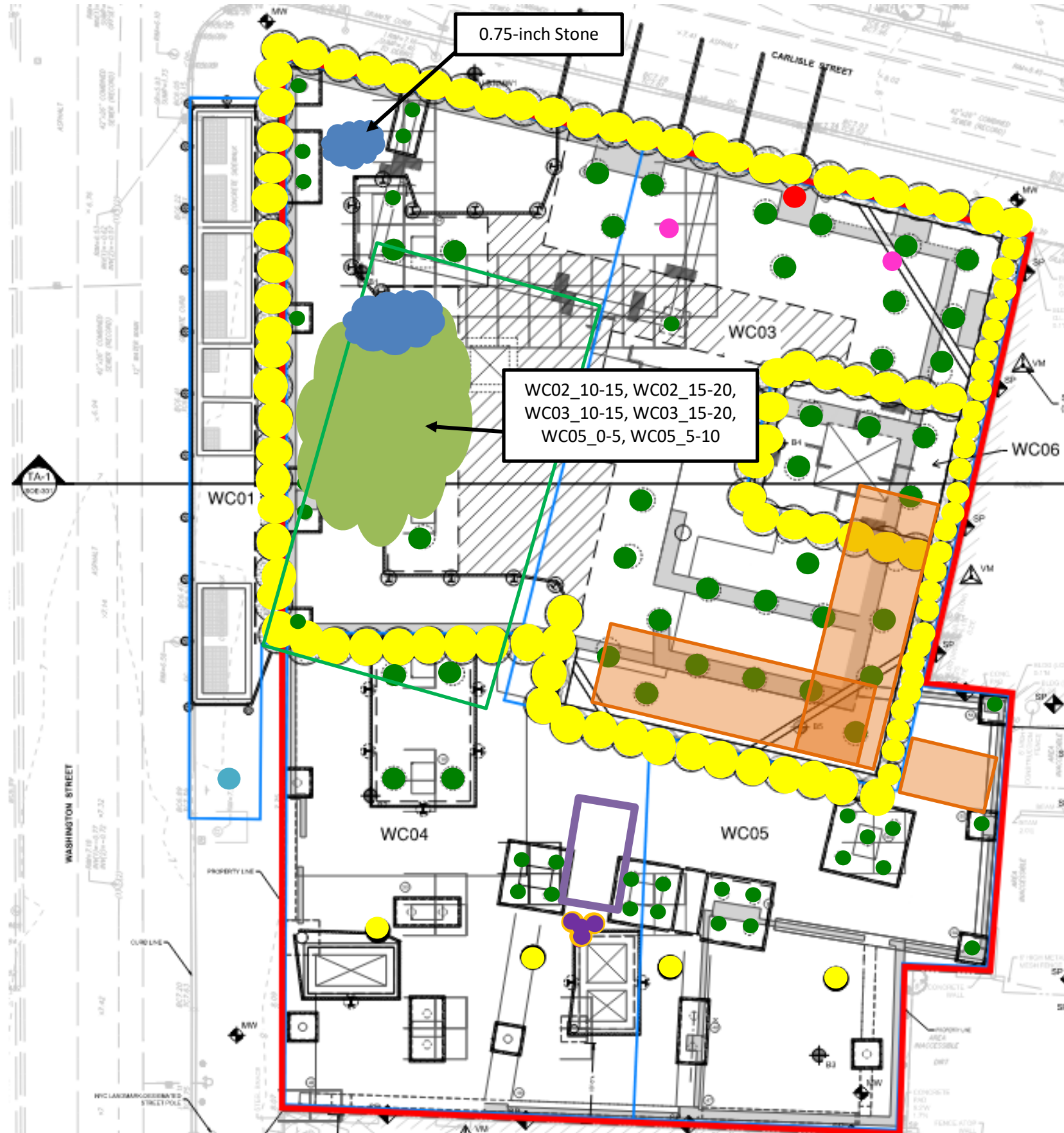
ppm: parts per million.



**Planned Activities:**

- Urban will continue excavation throughout the site to assist in the advancement of caissons, soldier piles and foundation mat.

**SITE PLAN**



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile - Soil (no impacts)**
- **Stockpile - C&D**
- 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**
- 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.



### Photo Log

**Photo 1:** View of Urban grading soil/fill in WC02 (facing northeast).



**Photo 2:** View of Urban loading soil/fill for (facing northwest).



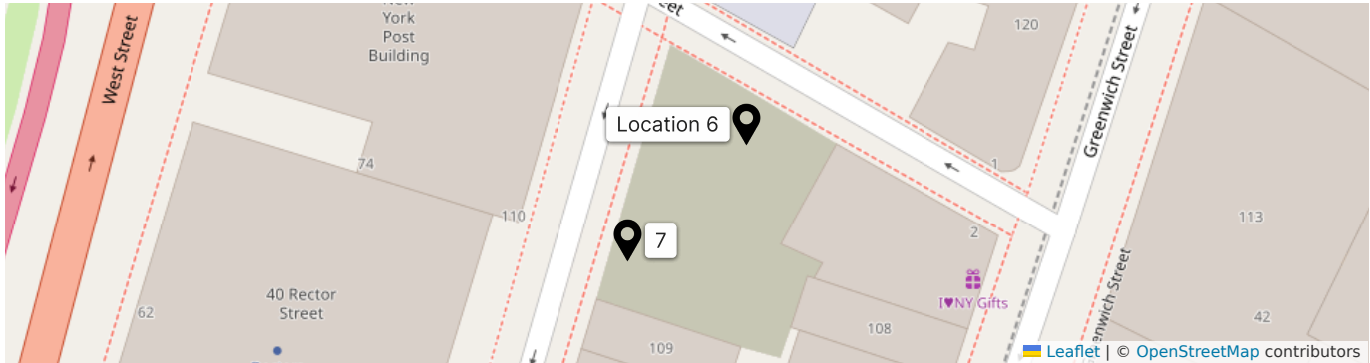
**Photo 3:** View of the site entrance/exit at the corner of Carlisle and Washington Street at the end of the workday (facing south).



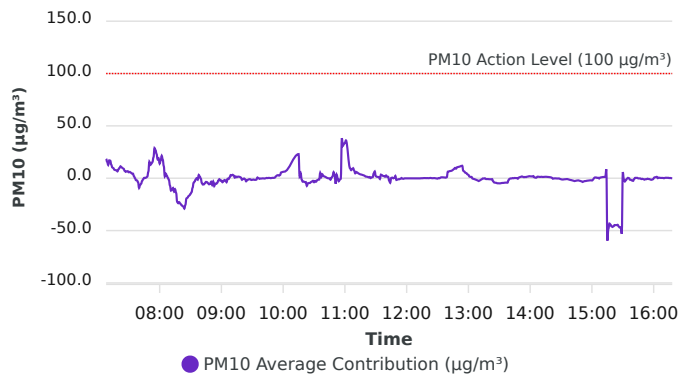
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	12/5/2023 06:00
		<b>To:</b>	12/5/2023 19:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
12/5/2023	0.3-2	SSE

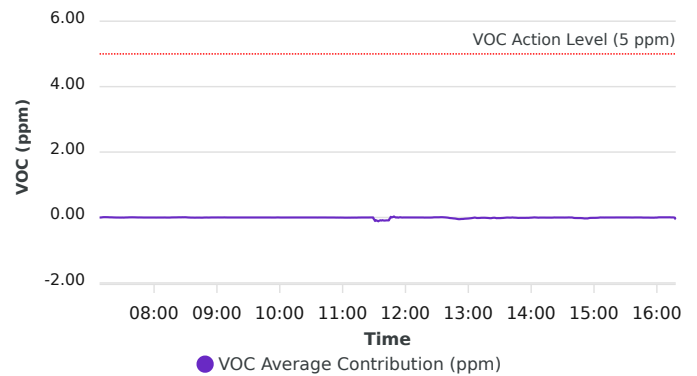
Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
<b>Min Contribution (15 min avg.) - 12/5/2023</b>	-59.6	15:15	-0.12	11:34
<b>Max Contribution (15 min avg.) - 12/5/2023</b>	38.2	10:57	0.03	11:49



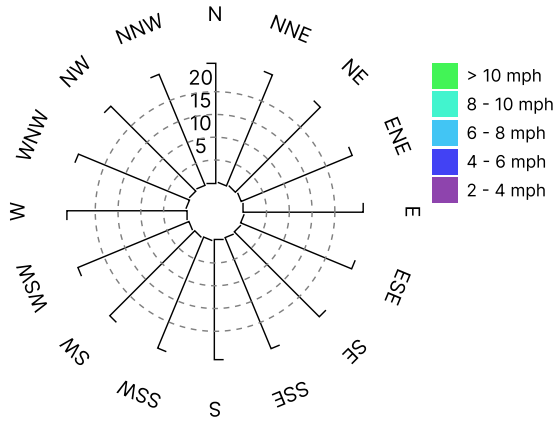
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**



**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
12/5/2023 07:08:00	24.4	42.9	18.5	0.00	0.00	0.00	0.4	SSW
12/5/2023 07:09:00	17.8	33.5	15.6	0.00	0.00	0.00	0.5	SW
12/5/2023 07:10:00	16.7	29.4	12.7	0.00	0.00	0.00	0.7	WSW
12/5/2023 07:11:00	14.5	31.6	17.1	0.00	0.01	0.01	0.7	SE
12/5/2023 07:12:00	13.0	29.8	16.8	0.01	0.02	0.01	0.7	WSW
12/5/2023 07:13:00	13.1	25.9	12.9	0.01	0.02	0.01	0.7	E
12/5/2023 07:14:00	12.9	23.2	10.3	0.01	0.02	0.01	0.8	E
12/5/2023 07:15:00	12.0	21.6	9.7	0.01	0.01	0.01	0.8	SW
12/5/2023 07:16:00	11.7	19.8	8.1	0.01	0.02	0.01	0.8	E
12/5/2023 07:17:00	10.9	18.6	7.7	0.01	0.01	0.01	0.8	SSW
12/5/2023 07:18:00	10.3	17.9	7.6	0.01	0.01	0.01	0.8	SSE
12/5/2023 07:19:00	10.3	16.8	6.5	0.01	0.01	0.01	0.8	SE
12/5/2023 07:20:00	10.5	19.0	8.5	0.01	0.01	0.00	0.8	SW
12/5/2023 07:21:00	10.6	20.4	9.9	0.01	0.01	0.00	0.8	WSW
12/5/2023 07:22:00	10.4	21.8	11.4	0.01	0.01	0.00	0.8	W
12/5/2023 07:23:00	9.3	19.8	10.5	0.01	0.01	0.00	0.9	WSW
12/5/2023 07:24:00	9.0	18.6	9.6	0.01	0.01	0.00	0.9	WSW
12/5/2023 07:25:00	8.4	17.4	9.1	0.01	0.01	0.00	0.8	NE
12/5/2023 07:26:00	8.1	15.2	7.0	0.01	0.01	0.00	0.9	E
12/5/2023 07:27:00	7.8	14.0	6.1	0.01	0.01	0.00	0.9	ESE
12/5/2023 07:28:00	7.2	13.8	6.6	0.01	0.01	0.00	0.9	ESE
12/5/2023 07:29:00	7.0	13.7	6.7	0.01	0.01	0.00	0.8	ESE
12/5/2023 07:30:00	7.5	13.2	5.7	0.01	0.01	0.00	0.8	E
12/5/2023 07:31:00	7.1	13.1	6.0	0.01	0.01	0.00	0.8	SE
12/5/2023 07:32:00	7.6	13.0	5.4	0.01	0.01	0.00	0.8	ESE
12/5/2023 07:33:00	8.2	12.7	4.5	0.01	0.01	0.00	0.8	SE
12/5/2023 07:34:00	8.3	12.8	4.4	0.01	0.01	0.00	0.8	ESE
12/5/2023 07:35:00	8.0	10.0	2.0	0.01	0.01	0.00	0.8	E
12/5/2023 07:36:00	7.6	7.7	0.1	0.00	0.01	0.00	0.7	E
12/5/2023 07:37:00	7.4	5.5	-1.9	0.00	0.01	0.01	0.7	S
12/5/2023 07:38:00	7.1	5.0	-2.1	0.00	0.01	0.01	0.7	W
12/5/2023 07:39:00	8.8	5.0	-3.8	0.00	0.01	0.01	0.6	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
12/5/2023 07:40:00	14.4	5.1	-9.3	0.00	0.01	0.01	0.6	E
12/5/2023 07:41:00	14.4	8.0	-6.5	0.00	0.01	0.01	0.6	W
12/5/2023 07:42:00	14.6	9.3	-5.2	0.00	0.01	0.00	0.6	WNW
12/5/2023 07:43:00	14.7	12.3	-2.5	0.00	0.01	0.00	0.5	SSW
12/5/2023 07:44:00	14.6	13.7	-0.9	0.00	0.00	0.00	0.5	WNW
12/5/2023 07:45:00	13.9	14.3	0.4	0.00	0.00	0.00	0.5	WSW
12/5/2023 07:46:00	14.0	14.2	0.3	0.00	0.00	0.00	0.5	NE
12/5/2023 07:47:00	13.5	14.2	0.7	0.00	0.00	0.00	0.5	WSW
12/5/2023 07:48:00	12.8	14.3	1.5	0.00	0.00	0.00	0.5	WSW
12/5/2023 07:49:00	12.1	18.2	6.1	0.00	0.00	0.00	0.5	WSW
12/5/2023 07:50:00	11.6	27.4	15.8	0.00	0.00	0.00	0.6	W
12/5/2023 07:51:00	14.5	27.2	12.7	0.00	0.00	0.00	0.6	ENE
12/5/2023 07:52:00	14.5	28.5	14.0	0.00	0.00	0.00	0.6	SW
12/5/2023 07:53:00	14.3	29.7	15.4	0.00	0.00	0.00	0.6	WSW
12/5/2023 07:54:00	12.6	32.5	19.9	0.00	0.00	0.00	0.6	WSW
12/5/2023 07:55:00	6.9	35.7	28.8	0.00	0.00	0.00	0.6	SW
12/5/2023 07:56:00	6.8	33.6	26.8	0.00	0.00	0.00	0.6	WSW
12/5/2023 07:57:00	8.9	32.1	23.2	0.00	0.00	0.00	0.6	SE
12/5/2023 07:58:00	11.0	29.1	18.1	0.00	0.00	0.00	0.7	ESE
12/5/2023 07:59:00	10.8	29.7	18.9	0.00	0.00	0.00	0.7	WSW
12/5/2023 08:00:00	15.2	29.2	14.0	0.00	0.00	0.00	0.7	NNW
12/5/2023 08:01:00	15.2	32.1	16.9	0.00	0.00	0.00	0.7	W
12/5/2023 08:02:00	15.3	36.8	21.4	0.00	0.00	0.00	0.7	WNW
12/5/2023 08:03:00	18.7	36.6	17.8	0.00	0.00	0.00	0.7	ESE
12/5/2023 08:04:00	20.8	32.5	11.6	0.00	0.00	0.00	0.6	E
12/5/2023 08:05:00	21.6	23.3	1.7	0.00	0.00	0.00	0.6	E
12/5/2023 08:06:00	19.0	23.3	4.3	0.00	0.00	0.00	0.6	E
12/5/2023 08:07:00	19.4	21.7	2.4	0.00	0.00	0.00	0.7	E
12/5/2023 08:08:00	19.8	20.1	0.3	0.00	0.00	0.00	0.6	NE
12/5/2023 08:09:00	19.7	18.1	-1.6	0.00	0.00	0.00	0.6	WSW
12/5/2023 08:10:00	21.8	14.8	-7.0	0.00	0.00	0.00	0.6	E
12/5/2023 08:11:00	25.7	13.9	-11.8	0.00	0.00	0.00	0.6	NNE

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
12/5/2023 08:12:00	24.6	13.9	-10.7	0.00	0.00	0.00	0.7	E
12/5/2023 08:13:00	23.1	13.9	-9.3	0.00	0.00	0.00	0.7	NE
12/5/2023 08:14:00	24.4	11.7	-12.8	0.00	0.00	0.00	0.7	ENE
12/5/2023 08:15:00	22.4	11.8	-10.6	0.00	0.00	0.00	0.7	E
12/5/2023 08:16:00	23.1	9.1	-14.0	0.00	0.00	0.00	0.7	E
12/5/2023 08:17:00	26.9	4.4	-22.6	0.00	0.01	0.00	0.7	ESE
12/5/2023 08:18:00	28.3	4.4	-23.9	0.00	0.01	0.00	0.7	E
12/5/2023 08:19:00	27.4	4.5	-22.9	0.00	0.01	0.00	0.7	E
12/5/2023 08:20:00	28.8	4.6	-24.2	0.00	0.01	0.00	0.7	N
12/5/2023 08:21:00	30.1	4.8	-25.4	0.00	0.01	0.00	0.7	E
12/5/2023 08:22:00	31.4	5.1	-26.4	0.00	0.01	0.00	0.7	E
12/5/2023 08:23:00	32.5	5.4	-27.1	0.00	0.01	0.01	0.7	NE
12/5/2023 08:24:00	33.6	4.6	-29.0	0.00	0.01	0.01	0.7	E
12/5/2023 08:25:00	31.6	6.1	-25.5	0.00	0.01	0.01	0.7	SSW
12/5/2023 08:26:00	27.9	8.6	-19.3	0.00	0.01	0.01	0.7	SSE
12/5/2023 08:27:00	28.0	9.4	-18.6	0.00	0.01	0.01	0.7	NE
12/5/2023 08:28:00	27.2	10.1	-17.2	0.00	0.01	0.01	0.7	WSW
12/5/2023 08:29:00	26.4	10.1	-16.3	0.00	0.01	0.01	0.7	SE
12/5/2023 08:30:00	24.9	10.0	-14.9	0.00	0.01	0.01	0.7	ESE
12/5/2023 08:31:00	24.6	11.3	-13.4	0.00	0.01	0.01	0.8	WSW
12/5/2023 08:32:00	20.9	11.8	-9.1	0.01	0.01	0.00	0.8	WSW
12/5/2023 08:33:00	16.3	12.0	-4.3	0.01	0.01	0.00	0.8	WSW
12/5/2023 08:34:00	15.2	12.0	-3.1	0.01	0.01	0.00	0.8	W
12/5/2023 08:35:00	13.6	12.3	-1.2	0.01	0.01	0.00	0.8	W
12/5/2023 08:36:00	12.2	12.3	0.1	0.01	0.01	0.00	0.8	E
12/5/2023 08:37:00	13.4	12.0	-1.4	0.01	0.00	0.00	0.7	E
12/5/2023 08:38:00	11.9	15.1	3.1	0.01	0.00	0.00	0.7	SW
12/5/2023 08:39:00	13.3	14.8	1.5	0.01	0.00	-0.01	0.7	E
12/5/2023 08:40:00	13.7	13.3	-0.4	0.01	0.00	0.00	0.7	E
12/5/2023 08:41:00	15.4	10.7	-4.7	0.01	0.00	0.00	0.7	ESE
12/5/2023 08:42:00	15.9	9.8	-6.1	0.01	0.00	0.00	0.7	ENE
12/5/2023 08:43:00	15.7	9.8	-5.9	0.01	0.00	0.00	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
12/5/2023 08:44:00	15.2	10.5	-4.7	0.01	0.00	0.00	0.7	WSW
12/5/2023 08:45:00	14.3	10.8	-3.5	0.01	0.00	-0.01	0.7	SSE
12/5/2023 08:46:00	13.8	10.1	-3.8	0.01	0.00	-0.01	0.6	WNW
12/5/2023 08:47:00	14.0	9.3	-4.8	0.00	0.00	0.00	0.6	E
12/5/2023 08:48:00	14.7	8.9	-5.8	0.00	0.00	0.00	0.6	ESE
12/5/2023 08:49:00	14.4	9.2	-5.3	0.00	0.00	0.00	0.6	WNW
12/5/2023 08:50:00	14.0	10.7	-3.4	0.00	0.00	0.00	0.6	SSE
12/5/2023 08:51:00	17.4	10.9	-6.5	0.00	0.00	0.00	0.6	ENE
12/5/2023 08:52:00	15.3	12.3	-3.0	0.00	0.00	0.00	0.6	SSW
12/5/2023 08:53:00	16.6	9.1	-7.5	0.00	0.00	0.00	0.6	E
12/5/2023 08:54:00	14.6	9.4	-5.2	0.00	0.00	0.00	0.6	ESE
12/5/2023 08:55:00	14.9	9.6	-5.4	0.00	0.00	0.00	0.6	E
12/5/2023 08:56:00	14.0	9.6	-4.3	0.00	0.00	0.00	0.6	E
12/5/2023 08:57:00	12.8	10.6	-2.2	0.00	0.00	0.00	0.7	SSW
12/5/2023 08:58:00	13.7	12.7	-0.9	0.00	0.00	0.00	0.7	SW
12/5/2023 08:59:00	14.6	12.2	-2.3	0.00	0.00	0.00	0.7	E
12/5/2023 09:00:00	14.8	12.6	-2.2	0.00	0.00	0.00	0.7	S
12/5/2023 09:01:00	15.6	11.8	-3.8	0.00	0.00	0.00	0.7	E
12/5/2023 09:02:00	14.9	12.0	-2.9	0.00	0.00	0.00	0.7	SW
12/5/2023 09:03:00	14.2	12.5	-1.7	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:04:00	14.2	12.2	-2.0	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:05:00	14.2	10.4	-3.8	0.00	0.00	0.00	0.8	S
12/5/2023 09:06:00	10.6	10.0	-0.5	0.00	0.00	0.00	0.7	E
12/5/2023 09:07:00	9.7	8.9	-0.8	0.00	0.00	0.00	0.8	WSW
12/5/2023 09:08:00	8.3	9.2	0.9	0.00	0.00	0.00	0.7	WNW
12/5/2023 09:09:00	7.7	10.8	3.0	0.00	0.00	0.00	0.8	SW
12/5/2023 09:10:00	8.0	10.6	2.7	0.00	0.00	0.00	0.8	E
12/5/2023 09:11:00	7.3	10.6	3.3	0.00	0.00	0.00	0.7	E
12/5/2023 09:12:00	7.0	9.6	2.6	0.00	0.00	0.00	0.7	E
12/5/2023 09:13:00	6.4	7.0	0.6	0.00	0.00	0.00	0.7	SE
12/5/2023 09:14:00	5.7	7.3	1.7	0.00	0.00	0.00	0.7	S
12/5/2023 09:15:00	5.7	6.7	1.0	0.00	0.00	0.00	0.7	ENE

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
12/5/2023 09:16:00	5.1	6.7	1.5	0.00	0.00	0.00	0.7	E
12/5/2023 09:17:00	5.2	6.7	1.5	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:18:00	5.3	6.5	1.2	0.00	0.00	0.00	0.7	WNW
12/5/2023 09:19:00	6.7	7.3	0.6	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:20:00	9.0	7.5	-1.5	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:21:00	9.0	8.2	-0.8	0.00	0.00	0.00	0.7	S
12/5/2023 09:22:00	9.0	8.8	-0.3	0.00	0.00	0.00	0.7	S
12/5/2023 09:23:00	9.3	8.4	-0.9	0.00	0.00	0.00	0.7	E
12/5/2023 09:24:00	9.4	6.5	-3.0	0.00	0.00	0.00	0.7	E
12/5/2023 09:25:00	8.4	6.5	-1.9	0.00	0.00	0.00	0.7	E
12/5/2023 09:26:00	8.1	6.7	-1.4	0.00	0.00	0.00	0.7	SW
12/5/2023 09:27:00	7.8	6.9	-0.9	0.00	0.00	0.00	0.7	SSW
12/5/2023 09:28:00	7.8	6.8	-1.0	0.00	0.00	0.00	0.7	W
12/5/2023 09:29:00	8.0	6.4	-1.7	0.00	0.00	0.00	0.8	WSW
12/5/2023 09:30:00	7.8	6.2	-1.5	0.00	0.00	0.00	0.8	W
12/5/2023 09:31:00	7.6	6.4	-1.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 09:32:00	7.7	6.2	-1.5	0.00	0.00	0.00	0.8	NE
12/5/2023 09:33:00	7.7	6.1	-1.6	0.00	0.00	0.00	0.8	W
12/5/2023 09:34:00	6.4	5.0	-1.4	0.00	0.00	0.00	0.8	N
12/5/2023 09:35:00	4.1	4.8	0.7	0.00	0.00	0.00	0.8	W
12/5/2023 09:36:00	3.9	4.0	0.1	0.00	0.00	0.00	0.8	E
12/5/2023 09:37:00	3.9	3.3	-0.6	0.00	0.00	0.00	0.7	SSW
12/5/2023 09:38:00	3.6	3.3	-0.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 09:39:00	3.6	3.3	-0.3	0.00	0.00	0.00	0.8	NNW
12/5/2023 09:40:00	3.4	3.3	-0.1	0.00	0.00	0.00	0.8	W
12/5/2023 09:41:00	3.4	3.2	-0.2	0.00	0.00	0.00	0.8	W
12/5/2023 09:42:00	3.4	3.1	-0.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 09:43:00	3.1	3.1	0.0	0.00	0.00	0.00	0.7	SSE
12/5/2023 09:44:00	2.8	3.1	0.3	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:45:00	2.9	3.0	0.1	0.00	0.00	0.00	0.7	E
12/5/2023 09:46:00	2.7	3.0	0.3	0.00	0.00	0.00	0.7	SSE
12/5/2023 09:47:00	2.7	3.0	0.3	0.00	0.00	0.00	0.7	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
12/5/2023 09:48:00	2.9	2.9	0.0	0.00	0.00	0.00	0.7	ESE
12/5/2023 09:49:00	2.7	3.0	0.3	0.00	0.00	0.00	0.7	WSW
12/5/2023 09:50:00	2.7	3.1	0.4	0.00	0.00	0.00	0.7	W
12/5/2023 09:51:00	3.0	3.4	0.3	0.00	0.00	0.00	0.7	NNE
12/5/2023 09:52:00	3.2	3.9	0.7	0.00	0.00	0.00	0.8	SSW
12/5/2023 09:53:00	3.2	5.0	1.8	0.00	0.00	0.00	0.8	WNW
12/5/2023 09:54:00	3.2	5.9	2.7	0.00	0.00	0.00	0.8	W
12/5/2023 09:55:00	3.4	6.4	2.9	0.00	0.00	0.00	0.7	S
12/5/2023 09:56:00	4.0	6.5	2.5	0.00	0.00	0.00	0.8	ENE
12/5/2023 09:57:00	5.0	8.1	3.0	0.00	0.00	0.00	0.8	E
12/5/2023 09:58:00	5.4	10.9	5.5	0.00	0.00	0.00	0.8	SE
12/5/2023 09:59:00	6.6	12.4	5.8	0.00	0.00	0.00	0.8	SW
12/5/2023 10:00:00	6.6	12.7	6.1	0.00	0.00	0.00	0.8	W
12/5/2023 10:01:00	6.7	13.0	6.3	0.00	0.00	0.00	0.8	W
12/5/2023 10:02:00							0.8	SW
12/5/2023 10:03:00							0.8	WSW
12/5/2023 10:04:00							0.8	WSW
12/5/2023 10:05:00							0.8	ESE
12/5/2023 10:06:00							0.8	SSW
12/5/2023 10:07:00							0.7	WSW
12/5/2023 10:08:00							0.8	WSW
12/5/2023 10:09:00							0.8	WSW
12/5/2023 10:10:00							0.8	ENE
12/5/2023 10:11:00							0.8	WNW
12/5/2023 10:12:00							0.9	NNE
12/5/2023 10:13:00							0.8	W
12/5/2023 10:14:00							0.8	SE
12/5/2023 10:15:00	3.9	26.9	23.0	0.00	0.00	0.00	0.8	S
12/5/2023 10:16:00	17.0	18.8	1.8	0.00	0.00	0.00	0.9	E
12/5/2023 10:17:00	12.7	17.6	4.9	0.00	0.00	0.00	0.8	S
12/5/2023 10:18:00	15.3	13.9	-1.4	0.00	0.00	0.00	0.9	E
12/5/2023 10:19:00	15.9	12.6	-3.3	0.00	0.00	0.00	0.9	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
12/5/2023 10:20:00	14.2	11.1	-3.1	0.00	0.00	0.00	0.9	E
12/5/2023 10:21:00	13.7	9.9	-3.8	0.00	0.00	0.00	0.9	E
12/5/2023 10:22:00	13.0	9.4	-3.6	0.00	0.00	0.00	0.9	E
12/5/2023 10:23:00	16.3	9.0	-7.3	0.00	0.00	0.00	0.8	ESE
12/5/2023 10:24:00	15.1	10.2	-4.9	0.00	0.00	0.00	0.8	SSE
12/5/2023 10:25:00	14.3	9.7	-4.6	0.00	0.00	0.00	0.8	E
12/5/2023 10:26:00	13.9	9.3	-4.6	0.00	0.00	0.00	0.8	W
12/5/2023 10:27:00	13.2	9.5	-3.7	0.00	0.00	0.00	0.7	E
12/5/2023 10:28:00	12.6	9.5	-3.1	0.00	0.00	0.00	0.7	ESE
12/5/2023 10:29:00	12.4	10.0	-2.5	0.00	0.00	0.00	0.7	E
12/5/2023 10:30:00	12.7	8.9	-3.9	0.00	0.00	0.00	0.7	E
12/5/2023 10:31:00	11.4	8.8	-2.6	0.00	0.00	0.00	0.7	E
12/5/2023 10:32:00	11.6	8.4	-3.3	0.00	0.00	0.00	0.8	SSW
12/5/2023 10:33:00	10.6	8.7	-1.9	0.00	0.00	0.00	0.7	E
12/5/2023 10:34:00	10.1	8.7	-1.4	0.00	0.00	0.00	0.7	S
12/5/2023 10:35:00	10.4	9.1	-1.3	0.00	0.00	0.00	0.7	NNW
12/5/2023 10:36:00	10.2	15.4	5.2	0.00	0.00	0.00	0.7	SW
12/5/2023 10:37:00	15.5	16.5	1.0	0.00	0.00	0.00	0.7	E
12/5/2023 10:38:00	13.4	17.2	3.8	0.00	0.00	0.00	0.8	ESE
12/5/2023 10:39:00	14.0	16.3	2.3	0.00	0.00	0.00	0.8	E
12/5/2023 10:40:00	14.7	16.3	1.6	0.00	0.00	0.00	0.8	ESE
12/5/2023 10:41:00	14.9	16.2	1.3	0.00	0.00	0.00	0.8	E
12/5/2023 10:42:00	15.1	15.8	0.7	0.00	0.00	0.00	0.8	E
12/5/2023 10:43:00	15.2	15.3	0.1	0.00	0.00	0.00	0.8	E
12/5/2023 10:44:00	14.7	14.7	-0.1	0.00	0.00	0.00	0.8	SW
12/5/2023 10:45:00	14.4	14.3	-0.1	0.00	0.00	0.00	0.8	W
12/5/2023 10:46:00	15.3	13.9	-1.4	0.00	0.00	0.00	0.7	NNE
12/5/2023 10:47:00	15.0	15.5	0.6	0.00	0.00	0.00	0.7	SSW
12/5/2023 10:48:00	14.6	16.3	1.7	0.00	0.00	0.00	0.7	W
12/5/2023 10:49:00	14.2	20.0	5.8	0.00	0.00	0.00	0.7	WSW
12/5/2023 10:50:00	17.0	20.4	3.4	0.00	0.00	0.00	0.8	NE
12/5/2023 10:51:00	19.8	14.5	-5.3	0.00	0.00	0.00	0.8	SSW

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
12/5/2023 10:52:00	14.3	17.7	3.4	0.00	0.00	0.00	0.8	ESE
12/5/2023 10:53:00	17.2	17.0	-0.2	0.00	0.00	0.00	0.8	WSW
12/5/2023 10:54:00	19.8	16.9	-2.9	0.00	0.00	0.00	0.8	W
12/5/2023 10:55:00	19.1	17.6	-1.4	0.00	0.00	0.00	0.8	NNW
12/5/2023 10:56:00	18.9	18.3	-0.5	0.01	0.00	0.00	0.8	SSE
12/5/2023 10:57:00	19.4	57.6	38.2	0.01	0.00	0.00	0.8	W
12/5/2023 10:58:00	28.4	59.3	30.9	0.01	0.00	0.00	0.8	ENE
12/5/2023 10:59:00	29.0	61.7	32.6	0.01	0.00	0.00	0.8	SW
12/5/2023 11:00:00	29.6	63.5	33.9	0.01	0.00	0.00	0.8	W
12/5/2023 11:01:00	28.9	65.0	36.1	0.01	0.00	0.00	0.9	W
12/5/2023 11:02:00				0.01	0.00	-0.01	0.9	W
12/5/2023 11:03:00				0.01	0.00	-0.01	0.9	SW
12/5/2023 11:04:00				0.01	0.00	-0.01	0.9	WSW
12/5/2023 11:05:00	2.6	12.2	9.6	0.01	0.00	-0.01	0.9	S
12/5/2023 11:06:00	3.2	10.9	7.8	0.01	0.00	0.00	0.9	SW
12/5/2023 11:07:00	3.5	12.1	8.6	0.01	0.00	-0.01	0.9	SW
12/5/2023 11:08:00	3.3	12.8	9.6	0.01	0.00	0.00	0.9	W
12/5/2023 11:09:00	4.8	12.1	7.3	0.01	0.00	0.00	0.9	SSW
12/5/2023 11:10:00	7.0	11.7	4.7	0.01	0.00	0.00	0.9	N
12/5/2023 11:11:00	6.4	12.4	6.0	0.01	0.00	0.00	0.9	WSW
12/5/2023 11:12:00	6.3	11.8	5.5	0.00	0.00	0.00	0.9	SSW
12/5/2023 11:13:00	6.2	10.9	4.7	0.00	0.00	0.00	0.8	N
12/5/2023 11:14:00	6.3	10.4	4.1	0.00	0.00	0.00	0.8	SW
12/5/2023 11:15:00	6.2	9.8	3.7	0.00	0.00	0.00	0.8	NE
12/5/2023 11:16:00	6.0	9.4	3.5	0.00	0.00	0.00	0.8	SSE
12/5/2023 11:17:00	5.8	9.0	3.2	0.00	0.00	0.00	0.8	E
12/5/2023 11:18:00	5.8	8.6	2.8	0.00	0.00	0.00	0.8	E
12/5/2023 11:19:00	5.7	8.2	2.5	0.00	0.00	0.00	0.8	E
12/5/2023 11:20:00	5.9	7.5	1.6	0.00	0.00	0.00	0.8	E
12/5/2023 11:21:00	5.8	7.3	1.5	0.00	0.00	0.00	0.8	WSW
12/5/2023 11:22:00	5.7	7.0	1.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 11:23:00	5.7	6.5	0.8	0.00	0.00	0.00	0.8	WSW

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
12/5/2023 11:24:00	5.5	6.6	1.2	0.00	0.00	0.00	0.8	ESE
12/5/2023 11:25:00	6.2	6.3	0.1	0.00	0.00	0.00	0.8	W
12/5/2023 11:26:00	6.3	7.2	0.8	0.00	0.00	0.00	0.8	ESE
12/5/2023 11:27:00	6.6	7.7	1.0	0.00	0.00	0.00	0.8	ESE
12/5/2023 11:28:00	6.7	11.3	4.7	0.00	0.00	0.00	0.9	S
12/5/2023 11:29:00	6.5	13.0	6.5	0.00	0.00	0.00	0.9	S
12/5/2023 11:30:00	10.9	12.8	1.9	0.06	0.00	-0.06	0.9	E
12/5/2023 11:31:00	11.3	12.7	1.4	0.11	0.00	-0.10	0.9	N
12/5/2023 11:32:00	11.7	13.0	1.3	0.11	0.02	-0.09	0.9	W
12/5/2023 11:33:00	12.0	13.1	1.1	0.12	0.02	-0.10	0.8	E
12/5/2023 11:34:00	13.7	13.0	-0.7	0.14	0.02	-0.12	0.9	NE
12/5/2023 11:35:00	13.4	16.9	3.4	0.14	0.04	-0.10	0.9	W
12/5/2023 11:36:00	13.9	16.9	3.0	0.14	0.05	-0.09	0.9	SW
12/5/2023 11:37:00	14.4	16.6	2.2	0.14	0.05	-0.09	0.9	E
12/5/2023 11:38:00	14.7	16.6	2.0	0.14	0.06	-0.08	0.9	WSW
12/5/2023 11:39:00	14.7	16.1	1.4	0.15	0.06	-0.09	0.9	E
12/5/2023 11:40:00	13.3	15.9	2.7	0.16	0.06	-0.09	0.9	NE
12/5/2023 11:41:00	13.0	14.4	1.4	0.16	0.07	-0.09	0.9	SSW
12/5/2023 11:42:00	12.5	13.9	1.4	0.16	0.07	-0.09	0.9	WSW
12/5/2023 11:43:00	12.4	10.0	-2.4	0.16	0.07	-0.09	0.9	NE
12/5/2023 11:44:00	12.5	8.2	-4.4	0.15	0.07	-0.09	0.9	ENE
12/5/2023 11:45:00	8.2	8.5	0.3	0.10	0.07	-0.03	0.9	SE
12/5/2023 11:46:00	8.0	8.6	0.6	0.05	0.07	0.02	0.9	WNW
12/5/2023 11:47:00	8.7	8.6	-0.1	0.05	0.06	0.00	0.9	SW
12/5/2023 11:48:00	8.5	8.8	0.3	0.04	0.06	0.01	0.9	E
12/5/2023 11:49:00	6.9	9.1	2.2	0.03	0.06	0.03	0.9	WSW
12/5/2023 11:50:00	7.1	5.4	-1.6	0.03	0.04	0.01	0.9	WSW
12/5/2023 11:51:00	6.6	5.3	-1.4	0.03	0.03	0.00	0.9	WSW
12/5/2023 11:52:00	6.2	5.2	-0.9	0.02	0.03	0.01	0.8	SSE
12/5/2023 11:53:00	5.8	4.8	-1.0	0.02	0.02	-0.01	0.8	W
12/5/2023 11:54:00	5.4	4.9	-0.5	0.01	0.01	0.00	0.8	SSE
12/5/2023 11:55:00	4.9	5.1	0.2	0.01	0.01	0.01	0.8	W

Date/Time	Average Upwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Downwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Contribution PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2023 11:56:00	5.2	4.7	-0.4	0.01	0.01	0.00	0.8	E
12/5/2023 11:57:00	5.2	4.7	-0.5	0.01	0.01	0.00	0.8	WNW
12/5/2023 11:58:00	4.9	4.8	-0.1	0.01	0.01	0.00	0.8	WSW
12/5/2023 11:59:00							0.9	E
12/5/2023 12:00:00							0.9	ESE
12/5/2023 12:01:00							0.9	WSW
12/5/2023 12:02:00							0.9	ENE
12/5/2023 12:03:00							0.9	ENE
12/5/2023 12:04:00							0.9	SW
12/5/2023 12:05:00							0.9	W
12/5/2023 12:06:00							0.9	WSW
12/5/2023 12:07:00							1.0	WSW
12/5/2023 12:08:00							1.0	WSW
12/5/2023 12:09:00							1.0	WSW
12/5/2023 12:10:00							1.0	W
12/5/2023 12:11:00							1.0	WSW
12/5/2023 12:12:00	2.2	2.0	-0.1	0.00	0.00	0.00	1.0	E
12/5/2023 12:13:00	2.2	2.0	-0.1	0.00	0.00	0.00	1.0	ENE
12/5/2023 12:14:00	2.1	2.1	0.0	0.00	0.00	0.00	1.0	NNE
12/5/2023 12:15:00	2.0	2.0	0.0	0.00	0.00	0.00	1.0	WSW
12/5/2023 12:16:00	2.0	2.1	0.1	0.00	0.00	0.00	1.0	WSW
12/5/2023 12:17:00	2.0	2.2	0.1	0.00	0.00	0.00	1.0	SW
12/5/2023 12:18:00	2.1	2.2	0.1	0.00	0.00	0.00	1.0	ESE
12/5/2023 12:19:00	2.1	2.2	0.1	0.00	0.00	0.00	1.0	ENE
12/5/2023 12:20:00	2.1	2.2	0.1	0.00	0.00	0.00	1.0	SSE
12/5/2023 12:21:00	2.1	2.1	0.0	0.00	0.00	0.00	0.9	ENE
12/5/2023 12:22:00	2.0	2.1	0.1	0.00	0.00	0.00	0.9	WSW
12/5/2023 12:23:00	2.0	2.3	0.3	0.00	0.00	0.00	0.9	SW
12/5/2023 12:24:00	2.2	2.3	0.1	0.00	0.00	0.00	0.9	E
12/5/2023 12:25:00	2.4	2.4	0.0	0.00	0.00	0.00	0.9	NNW
12/5/2023 12:26:00	2.3	2.4	0.1	0.00	0.00	0.00	0.9	WSW
12/5/2023 12:27:00	2.3	2.4	0.1	0.00	0.01	0.01	0.9	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
12/5/2023 12:28:00	2.5	2.5	0.0	0.00	0.01	0.01	0.9	W
12/5/2023 12:29:00	3.2	3.0	-0.2	0.00	0.01	0.01	0.9	WSW
12/5/2023 12:30:00	4.5	4.1	-0.4	0.00	0.01	0.01	0.9	WSW
12/5/2023 12:31:00	5.0	5.1	0.1	0.00	0.01	0.01	0.9	W
12/5/2023 12:32:00	5.5	5.5	0.0	0.00	0.01	0.01	0.9	SE
12/5/2023 12:33:00	5.7	6.4	0.7	0.00	0.01	0.01	0.9	E
12/5/2023 12:34:00	5.8	6.7	0.9	0.00	0.01	0.01	0.9	ENE
12/5/2023 12:35:00	5.9	6.7	0.9	0.00	0.01	0.01	0.9	E
12/5/2023 12:36:00	6.0	6.8	0.8	0.00	0.01	0.01	0.9	E
12/5/2023 12:37:00	6.2	6.9	0.7	0.00	0.01	0.01	0.9	NE
12/5/2023 12:38:00	6.4	6.9	0.5	0.01	0.01	0.00	0.9	ENE
12/5/2023 12:39:00	6.3	7.3	1.0	0.01	0.01	0.00	0.9	ENE
12/5/2023 12:40:00	6.4	12.6	6.3	0.01	0.01	0.00	0.9	E
12/5/2023 12:41:00	7.0	13.5	6.5	0.01	0.01	-0.01	0.9	NE
12/5/2023 12:42:00	7.6	14.4	6.8	0.02	0.00	-0.01	0.8	NE
12/5/2023 12:43:00	7.7	14.7	7.0	0.02	0.00	-0.02	0.8	ENE
12/5/2023 12:44:00	7.4	14.7	7.3	0.02	0.00	-0.02	0.8	ENE
12/5/2023 12:45:00	6.4	14.5	8.1	0.03	0.00	-0.03	0.8	E
12/5/2023 12:46:00	6.3	15.2	8.9	0.03	0.00	-0.03	0.8	ENE
12/5/2023 12:47:00	6.0	15.9	9.9	0.03	0.00	-0.03	0.8	E
12/5/2023 12:48:00	6.2	15.4	9.2	0.04	0.00	-0.04	0.8	E
12/5/2023 12:49:00	6.4	16.9	10.5	0.04	0.00	-0.04	0.7	NE
12/5/2023 12:50:00	6.4	17.1	10.7	0.05	0.00	-0.05	0.7	ENE
12/5/2023 12:51:00	6.4	17.4	11.0	0.05	0.00	-0.05	0.7	ENE
12/5/2023 12:52:00	6.4	17.6	11.3	0.05	0.00	-0.05	0.8	E
12/5/2023 12:53:00	6.4	18.2	11.8	0.05	0.00	-0.05	0.7	NNE
12/5/2023 12:54:00	6.6	18.4	11.9	0.05	0.01	-0.04	0.7	E
12/5/2023 12:55:00	6.5	13.6	7.1	0.05	0.01	-0.04	0.8	SE
12/5/2023 12:56:00	6.3	12.6	6.4	0.05	0.01	-0.04	0.8	W
12/5/2023 12:57:00	6.6	11.8	5.3	0.05	0.01	-0.04	0.8	W
12/5/2023 12:58:00	6.8	11.6	4.8	0.04	0.01	-0.04	0.8	SSW
12/5/2023 12:59:00	7.7	11.4	3.8	0.04	0.01	-0.03	0.8	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
12/5/2023 13:00:00	8.2	11.4	3.2	0.04	0.01	-0.03	0.8	WSW
12/5/2023 13:01:00	8.9	10.5	1.6	0.04	0.01	-0.03	0.8	SE
12/5/2023 13:02:00	8.9	10.2	1.3	0.03	0.01	-0.02	0.8	WSW
12/5/2023 13:03:00	8.8	10.1	1.3	0.03	0.01	-0.02	0.8	W
12/5/2023 13:04:00	8.8	8.4	-0.3	0.02	0.01	-0.01	0.8	SW
12/5/2023 13:05:00	8.8	8.1	-0.6	0.02	0.01	-0.01	0.8	E
12/5/2023 13:06:00	8.8	7.9	-0.9	0.01	0.01	0.00	0.9	E
12/5/2023 13:07:00	9.0	7.6	-1.3	0.01	0.01	-0.01	0.8	NE
12/5/2023 13:08:00	8.9	7.2	-1.7	0.02	0.01	-0.01	0.8	E
12/5/2023 13:09:00	8.8	6.7	-2.2	0.02	0.01	-0.02	0.9	E
12/5/2023 13:10:00	9.2	6.6	-2.7	0.02	0.00	-0.01	0.9	ESE
12/5/2023 13:11:00	9.3	7.1	-2.2	0.02	0.00	-0.01	0.9	SSW
12/5/2023 13:12:00	8.9	7.3	-1.5	0.02	0.01	-0.01	0.9	S
12/5/2023 13:13:00	9.0	8.0	-0.9	0.02	0.01	-0.01	0.9	W
12/5/2023 13:14:00	8.3	8.1	-0.2	0.01	0.01	-0.01	0.8	ENE
12/5/2023 13:15:00	7.8	7.6	-0.3	0.01	0.01	-0.01	0.8	SE
12/5/2023 13:16:00	7.2	7.1	-0.1	0.01	0.01	-0.01	0.9	ENE
12/5/2023 13:17:00	7.2	6.4	-0.8	0.02	0.01	-0.01	0.8	ENE
12/5/2023 13:18:00	7.1	6.3	-0.8	0.02	0.01	-0.01	0.8	E
12/5/2023 13:19:00	7.2	6.4	-0.8	0.02	0.01	-0.01	0.8	ENE
12/5/2023 13:20:00	7.3	6.4	-0.9	0.03	0.01	-0.02	0.8	ENE
12/5/2023 13:21:00	7.6	6.7	-1.0	0.03	0.01	-0.02	0.8	E
12/5/2023 13:22:00	7.8	6.8	-1.0	0.03	0.01	-0.02	0.8	SE
12/5/2023 13:23:00	7.9	7.1	-0.8	0.02	0.01	-0.01	0.8	SW
12/5/2023 13:24:00	10.1	7.2	-2.9	0.02	0.01	-0.01	0.8	ENE
12/5/2023 13:25:00	11.0	7.0	-4.0	0.02	0.01	-0.01	0.7	ENE
12/5/2023 13:26:00	10.9	6.6	-4.3	0.02	0.01	-0.01	0.8	E
12/5/2023 13:27:00	10.7	6.3	-4.4	0.02	0.00	-0.02	0.8	ENE
12/5/2023 13:28:00	10.5	5.7	-4.8	0.02	0.01	-0.02	0.8	WNW
12/5/2023 13:29:00	10.2	5.4	-4.8	0.02	0.01	-0.02	0.8	WSW
12/5/2023 13:30:00	10.1	5.1	-4.9	0.02	0.01	-0.02	0.8	WNW
12/5/2023 13:31:00	9.8	4.9	-4.9	0.02	0.01	-0.02	0.8	E

Date/Time	Average Upwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Downwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Contribution PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2023 13:32:00	9.6	4.9	-4.6	0.02	0.01	-0.01	0.8	WSW
12/5/2023 13:33:00	9.7	5.2	-4.5	0.02	0.00	-0.01	0.9	W
12/5/2023 13:34:00	9.6	5.1	-4.5	0.01	0.00	-0.01	0.9	ENE
12/5/2023 13:35:00	9.3	5.0	-4.3	0.01	0.00	-0.01	0.8	E
12/5/2023 13:36:00	9.0	4.8	-4.2	0.01	0.00	-0.01	0.8	SE
12/5/2023 13:37:00	9.0	4.8	-4.2	0.01	0.00	0.00	0.8	E
12/5/2023 13:38:00	9.1	4.8	-4.3	0.01	0.00	0.00	0.8	ENE
12/5/2023 13:39:00	6.8	5.1	-1.8	0.01	0.00	0.00	0.8	E
12/5/2023 13:40:00	5.6	5.1	-0.5	0.01	0.00	-0.01	0.8	WSW
12/5/2023 13:41:00	5.5	5.3	-0.2	0.01	0.00	0.00	0.8	E
12/5/2023 13:42:00	5.5	5.3	-0.2	0.00	0.00	0.00	0.8	WSW
12/5/2023 13:43:00	5.2	5.3	0.1	0.01	0.00	0.00	0.8	NE
12/5/2023 13:44:00	5.7	5.7	0.0	0.01	0.00	-0.01	0.8	NE
12/5/2023 13:45:00	6.3	6.5	0.3	0.01	0.00	-0.01	0.8	E
12/5/2023 13:46:00	6.7	6.9	0.1	0.01	0.00	-0.01	0.8	ENE
12/5/2023 13:47:00	6.8	7.0	0.1	0.01	0.00	-0.01	0.7	ESE
12/5/2023 13:48:00	7.1	6.7	-0.5	0.01	0.00	-0.01	0.7	NE
12/5/2023 13:49:00	7.0	7.7	0.7	0.01	0.00	-0.01	0.7	W
12/5/2023 13:50:00	7.0	8.0	1.0	0.01	0.00	-0.01	0.7	WSW
12/5/2023 13:51:00	6.8	8.2	1.4	0.01	0.00	-0.01	0.7	NW
12/5/2023 13:52:00	6.6	8.3	1.7	0.01	0.00	-0.01	0.7	W
12/5/2023 13:53:00	6.4	7.8	1.3	0.01	0.00	-0.01	0.7	E
12/5/2023 13:54:00	6.3	7.3	1.0	0.01	0.00	-0.01	0.8	WSW
12/5/2023 13:55:00	6.1	7.3	1.2	0.01	0.00	-0.01	0.8	NW
12/5/2023 13:56:00	6.1	7.2	1.1	0.01	0.00	-0.01	0.8	ENE
12/5/2023 13:57:00	6.0	7.5	1.5	0.01	0.00	-0.01	0.8	E
12/5/2023 13:58:00	5.9	7.5	1.6	0.01	0.00	-0.01	0.8	ESE
12/5/2023 13:59:00	5.2	7.1	1.9	0.01	0.00	-0.01	0.8	W
12/5/2023 14:00:00	4.5	6.3	1.8	0.01	0.00	-0.01	0.9	W
12/5/2023 14:01:00	4.1	5.9	1.8	0.01	0.00	0.00	0.9	WNW
12/5/2023 14:02:00	4.0	5.7	1.7	0.00	0.00	0.00	0.9	W
12/5/2023 14:03:00	3.6	5.7	2.1	0.00	0.00	0.00	0.9	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
12/5/2023 14:04:00	3.7	4.6	0.9	0.00	0.00	0.00	0.9	ENE
12/5/2023 14:05:00	3.8	4.3	0.5	0.00	0.00	0.00	0.9	ENE
12/5/2023 14:06:00	4.0	4.5	0.6	0.00	0.00	0.00	0.9	E
12/5/2023 14:07:00	4.1	5.5	1.5	0.01	0.00	-0.01	0.9	E
12/5/2023 14:08:00	4.2	5.7	1.4	0.01	0.00	0.00	0.9	SE
12/5/2023 14:09:00	4.3	5.6	1.3	0.01	0.00	0.00	0.8	ENE
12/5/2023 14:10:00	4.3	5.6	1.3	0.01	0.00	0.00	0.9	WSW
12/5/2023 14:11:00	4.2	5.6	1.4	0.01	0.00	0.00	1.0	W
12/5/2023 14:12:00	4.2	5.5	1.2	0.01	0.00	0.00	1.0	W
12/5/2023 14:13:00	4.2	5.5	1.2	0.01	0.00	0.00	1.0	E
12/5/2023 14:14:00	4.2	5.5	1.3	0.01	0.00	0.00	0.9	E
12/5/2023 14:15:00	4.2	5.6	1.4	0.01	0.00	0.00	0.9	ENE
12/5/2023 14:16:00	4.2	5.6	1.4	0.01	0.00	0.00	0.9	ENE
12/5/2023 14:17:00	4.3	5.5	1.2	0.01	0.00	0.00	0.9	E
12/5/2023 14:18:00	4.6	5.7	1.1	0.01	0.00	0.00	0.9	NE
12/5/2023 14:19:00	5.0	6.0	1.0	0.01	0.00	-0.01	0.9	ENE
12/5/2023 14:20:00	5.1	6.0	0.9	0.01	0.00	0.00	0.9	ENE
12/5/2023 14:21:00	5.1	5.6	0.5	0.01	0.00	0.00	0.9	NNW
12/5/2023 14:22:00	4.9	4.5	-0.4	0.00	0.01	0.00	0.9	WSW
12/5/2023 14:23:00	4.7	4.5	-0.2	0.00	0.00	0.00	0.9	WSW
12/5/2023 14:24:00	4.5	4.4	-0.1	0.00	0.00	0.00	0.9	WSW
12/5/2023 14:25:00	4.5	4.3	-0.2	0.00	0.00	0.00	0.8	W
12/5/2023 14:26:00	4.4	4.1	-0.3	0.00	0.00	0.00	0.7	WSW
12/5/2023 14:27:00	4.2	3.9	-0.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 14:28:00	4.1	3.8	-0.2	0.00	0.00	0.00	0.8	WSW
12/5/2023 14:29:00	4.3	3.6	-0.6	0.00	0.00	0.00	0.8	E
12/5/2023 14:30:00	4.5	3.5	-1.0	0.00	0.00	0.00	0.8	E
12/5/2023 14:31:00	4.6	3.4	-1.2	0.00	0.00	0.00	0.8	N
12/5/2023 14:32:00	4.5	3.3	-1.2	0.00	0.00	0.00	0.8	ENE
12/5/2023 14:33:00	4.2	3.1	-1.0	0.00	0.00	0.00	0.8	WNW
12/5/2023 14:34:00	3.8	2.8	-1.0	0.00	0.00	0.00	0.9	ENE
12/5/2023 14:35:00	3.5	2.7	-0.9	0.00	0.00	0.00	0.9	ESE

Date/Time	Average Upwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Downwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Contribution PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2023 14:36:00	3.4	2.6	-0.8	0.00	0.00	0.00	0.9	ENE
12/5/2023 14:37:00	3.5	2.4	-1.1	0.00	0.00	0.00	0.9	ESE
12/5/2023 14:38:00	3.7	2.3	-1.4	0.00	0.00	0.00	0.9	ENE
12/5/2023 14:39:00	3.9	2.2	-1.6	0.00	0.00	0.00	0.9	E
12/5/2023 14:40:00	4.0	2.2	-1.8	0.01	0.00	-0.01	0.9	ENE
12/5/2023 14:41:00	4.3	2.1	-2.1	0.01	0.00	-0.01	0.9	NNE
12/5/2023 14:42:00	4.4	2.1	-2.4	0.02	0.00	-0.02	0.8	E
12/5/2023 14:43:00	4.7	1.9	-2.7	0.02	0.00	-0.02	0.8	E
12/5/2023 14:44:00	4.5	2.0	-2.5	0.02	0.00	-0.02	0.8	E
12/5/2023 14:45:00	4.3	2.0	-2.3	0.02	0.00	-0.02	0.8	ENE
12/5/2023 14:46:00	4.2	2.0	-2.1	0.02	0.00	-0.02	0.8	ENE
12/5/2023 14:47:00	4.1	2.0	-2.1	0.02	0.00	-0.02	0.8	NE
12/5/2023 14:48:00	4.3	1.9	-2.4	0.02	0.00	-0.02	0.8	E
12/5/2023 14:49:00	4.7	2.1	-2.7	0.02	0.00	-0.02	0.9	E
12/5/2023 14:50:00	5.2	2.2	-3.1	0.03	0.00	-0.03	0.9	E
12/5/2023 14:51:00	5.8	2.2	-3.6	0.03	0.00	-0.03	0.9	ENE
12/5/2023 14:52:00	5.6	2.5	-3.1	0.03	0.00	-0.03	0.8	S
12/5/2023 14:53:00	5.4	2.7	-2.7	0.03	0.00	-0.03	0.8	WSW
12/5/2023 14:54:00	5.3	2.6	-2.7	0.03	0.00	-0.03	0.8	NNW
12/5/2023 14:55:00	5.2	2.7	-2.4	0.02	0.00	-0.02	0.8	NW
12/5/2023 14:56:00	5.0	2.7	-2.3	0.01	0.00	-0.01	0.8	ENE
12/5/2023 14:57:00	4.9	2.7	-2.2	0.01	0.00	-0.01	0.8	ENE
12/5/2023 14:58:00	4.8	2.7	-2.0	0.01	0.00	-0.01	0.8	E
12/5/2023 14:59:00	4.8	2.8	-2.0	0.01	0.00	-0.01	0.8	ENE
12/5/2023 15:00:00	5.0	2.8	-2.1	0.01	0.00	-0.01	0.9	WSW
12/5/2023 15:01:00				0.01	0.00	-0.01	0.9	W
12/5/2023 15:02:00				0.01	0.00	-0.01	0.9	ENE
12/5/2023 15:03:00	2.6	3.3	0.7	0.01	0.00	-0.01	0.8	WNW
12/5/2023 15:04:00	2.7	3.4	0.8	0.01	0.00	-0.01	0.7	WSW
12/5/2023 15:05:00	3.0	3.3	0.3	0.01	0.00	0.00	0.8	E
12/5/2023 15:06:00	2.8	3.3	0.5	0.00	0.00	0.00	0.8	W
12/5/2023 15:07:00	3.3	3.1	-0.2	0.00	0.00	0.00	0.8	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
12/5/2023 15:08:00	3.1	3.8	0.7	0.00	0.00	0.00	0.8	W
12/5/2023 15:09:00	3.0	3.8	0.8	0.00	0.00	0.00	0.8	W
12/5/2023 15:10:00	2.9	3.9	1.1	0.00	0.00	0.00	0.8	W
12/5/2023 15:11:00	2.8	4.0	1.2	0.00	0.00	0.00	0.8	WNW
12/5/2023 15:12:00	2.8	4.0	1.2	0.00	0.00	0.00	0.8	WSW
12/5/2023 15:13:00	2.7	4.0	1.3	0.00	0.00	0.00	0.8	WSW
12/5/2023 15:14:00	2.7	11.3	8.6	0.00	0.00	0.00	0.8	WSW
12/5/2023 15:15:00	70.2	10.6	-59.6	0.00	0.00	0.00	0.8	E
12/5/2023 15:16:00	65.3	17.0	-48.3	0.00	0.00	0.00	0.9	WSW
12/5/2023 15:17:00	61.1	17.8	-43.3	0.00	0.00	0.00	0.9	SW
12/5/2023 15:18:00	62.0	17.7	-44.3	0.00	0.00	0.00	0.9	E
12/5/2023 15:19:00	63.7	17.7	-46.0	0.00	0.00	0.00	0.9	NE
12/5/2023 15:20:00	64.3	17.8	-46.5	0.00	0.00	0.00	0.9	ENE
12/5/2023 15:21:00	64.3	18.4	-45.9	0.00	0.00	0.00	0.9	WSW
12/5/2023 15:22:00	64.2	19.4	-44.7	0.00	0.00	0.00	0.9	W
12/5/2023 15:23:00	64.2	19.4	-44.8	0.00	0.00	0.00	0.9	W
12/5/2023 15:24:00	64.2	19.4	-44.8	0.00	0.00	0.00	0.9	W
12/5/2023 15:25:00	64.2	19.7	-44.5	0.00	0.00	0.00	1.0	WSW
12/5/2023 15:26:00	65.6	19.5	-46.1	0.00	0.00	0.00	1.0	E
12/5/2023 15:27:00	66.4	19.4	-47.1	0.00	0.00	0.00	1.0	E
12/5/2023 15:28:00	66.4	19.6	-46.8	0.00	0.00	0.00	1.0	WSW
12/5/2023 15:29:00	66.7	13.6	-53.0	0.00	0.00	0.00	1.0	E
12/5/2023 15:30:00	8.2	14.0	5.8	0.00	0.00	0.00	1.0	SSW
12/5/2023 15:31:00	8.5	7.5	-1.0	0.00	0.00	0.00	1.0	ENE
12/5/2023 15:32:00	8.9	5.8	-3.1	0.00	0.00	0.00	1.0	ENE
12/5/2023 15:33:00	8.1	6.2	-1.8	0.00	0.00	0.00	1.0	SSW
12/5/2023 15:34:00	6.7	6.2	-0.5	0.00	0.00	0.00	1.0	ESE
12/5/2023 15:35:00	6.1	6.4	0.3	0.00	0.00	0.00	1.0	S
12/5/2023 15:36:00	6.1	6.2	0.0	0.00	0.00	0.00	1.0	NW
12/5/2023 15:37:00	6.7	5.3	-1.4	0.00	0.00	0.00	1.0	ENE
12/5/2023 15:38:00	7.1	5.5	-1.6	0.00	0.00	0.00	1.0	WNW
12/5/2023 15:39:00	7.9	5.7	-2.2	0.00	0.00	0.00	1.0	WSW

Date/Time	Average Upwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Downwind PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Contribution PM10 ( $\mu\text{g}/\text{m}^3$ )	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/5/2023 15:40:00	8.1	5.6	-2.5	0.00	0.00	0.00	1.0	W
12/5/2023 15:41:00	6.7	6.0	-0.8	0.00	0.00	0.00	1.1	WSW
12/5/2023 15:42:00	6.0	6.3	0.4	0.00	0.00	0.00	1.1	WSW
12/5/2023 15:43:00	6.0	6.3	0.3	0.00	0.00	0.00	1.1	W
12/5/2023 15:44:00	5.9	6.3	0.4	0.00	0.00	0.00	1.1	ENE
12/5/2023 15:45:00	6.2	6.0	-0.2	0.00	0.00	0.00	1.0	ENE
12/5/2023 15:46:00	6.2	6.0	-0.2	0.01	0.00	0.00	1.0	NE
12/5/2023 15:47:00	6.1	5.9	-0.2	0.01	0.00	0.00	1.0	E
12/5/2023 15:48:00	6.3	5.5	-0.8	0.01	0.00	0.00	1.0	ESE
12/5/2023 15:49:00	6.0	5.5	-0.6	0.01	0.00	0.00	1.0	E
12/5/2023 15:50:00	6.0	5.1	-0.9	0.01	0.00	0.00	0.9	NNE
12/5/2023 15:51:00	6.0	4.7	-1.4	0.01	0.00	0.00	0.9	NE
12/5/2023 15:52:00	5.5	4.5	-0.9	0.01	0.00	0.00	1.0	E
12/5/2023 15:53:00	5.0	4.1	-0.9	0.01	0.00	0.00	0.9	NW
12/5/2023 15:54:00	4.3	3.8	-0.5	0.01	0.00	-0.01	0.9	E
12/5/2023 15:55:00	4.2	3.5	-0.7	0.01	0.00	-0.01	0.8	ENE
12/5/2023 15:56:00	4.1	3.2	-0.9	0.01	0.00	-0.01	0.8	WSW
12/5/2023 15:57:00	4.2	2.9	-1.3	0.01	0.00	-0.01	0.8	NNE
12/5/2023 15:58:00	4.2	2.7	-1.5	0.01	0.00	0.00	0.8	WNW
12/5/2023 15:59:00	4.0	2.9	-1.1	0.01	0.00	0.00	0.8	WSW
12/5/2023 16:00:00				0.01	0.00	0.00	0.8	E
12/5/2023 16:01:00	4.1	5.0	0.8	0.00	0.01	0.00	0.8	S
12/5/2023 16:02:00	3.9	4.9	1.0	0.00	0.01	0.01	0.8	S
12/5/2023 16:03:00	3.9	5.2	1.3	0.00	0.01	0.01	0.8	WNW
12/5/2023 16:04:00	4.7	4.8	0.1	0.00	0.01	0.01	0.8	NE
12/5/2023 16:05:00	4.5	5.0	0.6	0.00	0.01	0.01	0.8	WSW
12/5/2023 16:06:00	4.9	5.3	0.4	0.00	0.01	0.01	0.8	E
12/5/2023 16:07:00	5.0	5.3	0.3	0.00	0.01	0.01	0.8	WSW
12/5/2023 16:08:00	4.8	5.1	0.3	0.00	0.01	0.01	0.9	WSW
12/5/2023 16:09:00	4.6	4.9	0.3	0.00	0.01	0.01	0.9	WSW
12/5/2023 16:10:00	4.6	4.6	0.0	0.00	0.01	0.01	0.9	E
12/5/2023 16:11:00	4.4	4.7	0.3	0.00	0.01	0.01	0.9	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
12/5/2023 16:12:00	4.1	4.6	0.5	0.00	0.01	0.01	1.0	S
12/5/2023 16:13:00	4.1	4.4	0.4	0.00	0.01	0.00	1.0	E
12/5/2023 16:14:00	3.9	4.3	0.5	0.00	0.00	0.00	1.0	WSW
12/5/2023 16:15:00	4.0	4.2	0.2	0.00	0.00	0.00	1.0	NNW
12/5/2023 16:16:00	3.9	4.2	0.3	0.00	0.00	0.00	0.9	W
12/5/2023 16:17:00	3.9	4.0	0.0	0.01	0.00	-0.01	0.9	NNE
12/5/2023 16:18:00	3.9	3.8	-0.1	0.06	0.00	-0.06	0.9	E