

**DAILY FIELD REPORT 054**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	August 21, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:30 pm
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**Consultant:** Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

**Construction Manager:** Consigli Construction Co., Inc. (Consigli)

**Foundation Contractor:** Urban Foundation/Engineering (Urban)

**Grout Tester:** Fenagh

**Langan Field Personnel:**  
 Caitlyn Dempsey (Environmental)  
 Xianglei Zheng (Geotechnical)

**Work Activities Performed:**

- Urban excavated one about 15-foot-long by 25-foot-wide area to about 4 feet below grade surface (bgs) in the northern part of waste characterization grid WC03\_0-5 to prepare for the installation of caisson casings. Excavated soil/fill was stockpiled in the central part of grids WC02 and WC03 and covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban graded an about 100-foot-long by 100-foot-wide area of soil/fill in the southern part of grid WC02 to prepare for equipment mobilization.
- Excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed one caisson casing using a CAT00 Custom Build 3 Double L drilling rig in the central part of the site.
- Urban placed grout in two caissons to complete caisson installation in the northern part of the site.

**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)
	75	1,500	29	580	0	-	14	280

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

**Samples Collected:**

- No samples were collected.

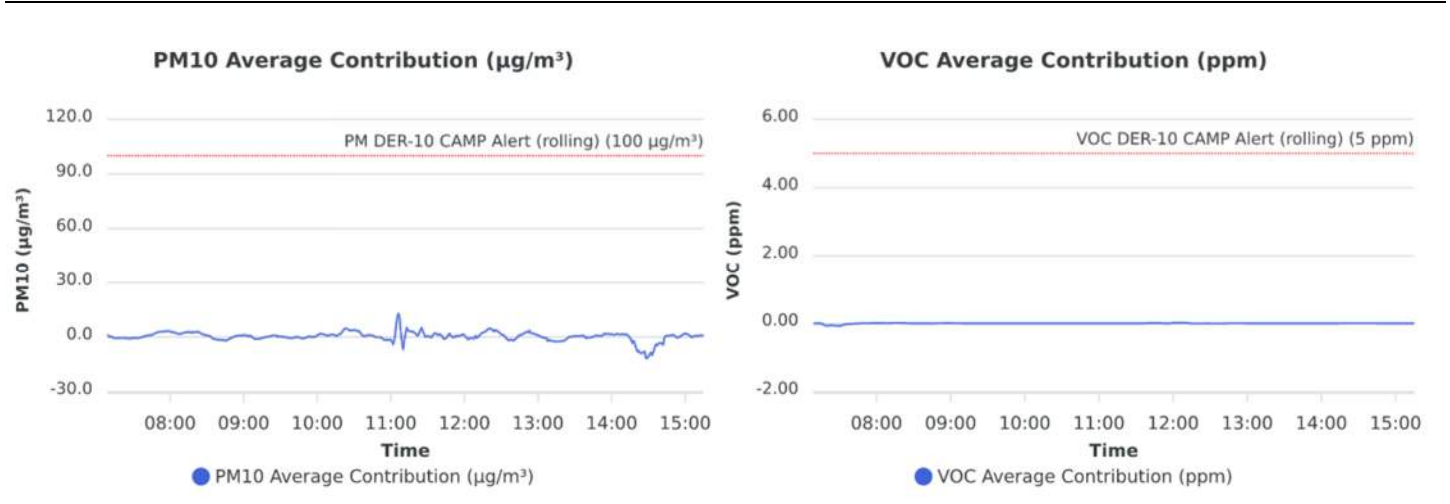
**Air Monitoring:**

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 level of 100 µg/m<sup>3</sup> and 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	20.7	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-11.6	VOC Average Site Contribution (Minimum)	-0.07
PM10 Average Site Contribution (Maximum)	12.9	VOC Average Site Contribution (Maximum)	0.02

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

ppm: parts per million.



**Planned Activities:**

- Urban will continue installing caisson casings throughout the site.
- Urban will export soil/fill from WC03\_0-5 and WC03\_5-10.



### Photo Log

**Photo 1:** General view of the site (facing northeast).



**Photo 2:** View of Urban excavating soil/fill in waste characterization grid WC03 (facing northeast).



**Photo 3:** View of CAMP Station 1 in the northeastern part of the site (facing east).



<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	8/21/2023 00:00
		<b>To:</b>	8/21/2023 22:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

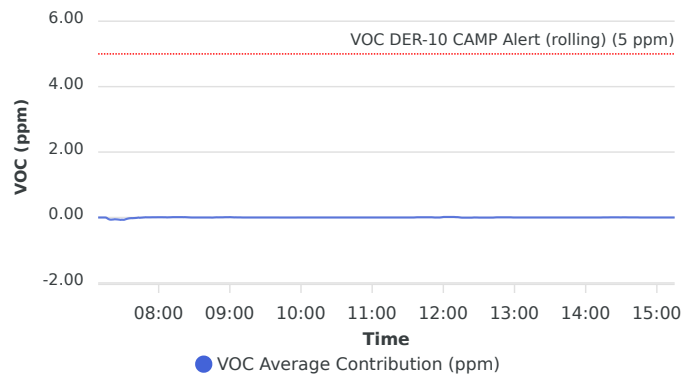
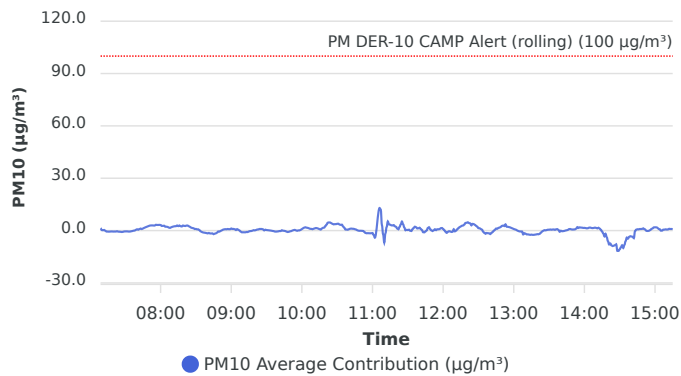
<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
8/21/2023	0.2-3	S

<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 8/21/2023</b>	-11.6	14:28	-0.07	07:28
<b>Max Contribution (15 min avg.) - 8/21/2023</b>	12.9	11:06	0.02	12:01

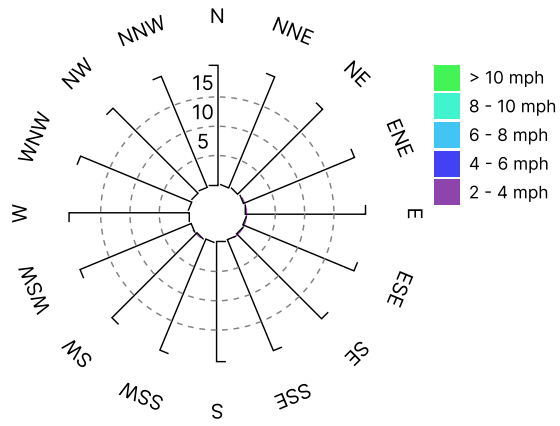


**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**

**VOC Average Contribution (ppm)**



Contribution wind rose (mph)





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
8/21/2023 07:09:00	20.7	22.0	1.3	0.00	0.00	0.00	1.3	SE
8/21/2023 07:10:00	20.7	21.0	0.3	0.00	0.00	0.00	1.1	S
8/21/2023 07:11:00	20.4	20.6	0.2	0.00	0.00	0.00	1.0	S
8/21/2023 07:12:00	20.0	20.4	0.3	0.00	0.00	0.00	1.0	E
8/21/2023 07:13:00	20.1	20.1	-0.1	0.00	0.00	0.00	0.9	S
8/21/2023 07:14:00	20.4	19.8	-0.6	0.00	0.00	0.00	0.9	SW
8/21/2023 07:15:00	20.2	19.6	-0.6	0.00	0.00	0.00	0.9	SSW
8/21/2023 07:16:00	20.1	19.5	-0.6	0.01	0.00	-0.01	0.8	NNW
8/21/2023 07:17:00	20.0	19.4	-0.6	0.03	0.00	-0.03	0.8	S
8/21/2023 07:18:00	19.9	19.4	-0.5	0.05	0.00	-0.05	0.8	SSE
8/21/2023 07:19:00	19.9	19.4	-0.5	0.07	0.00	-0.07	0.8	SW
8/21/2023 07:20:00	19.9	19.4	-0.6	0.07	0.00	-0.07	0.8	WSW
8/21/2023 07:21:00	19.9	19.4	-0.6	0.06	0.00	-0.06	0.8	SW
8/21/2023 07:22:00	19.9	19.3	-0.6	0.06	0.00	-0.06	0.8	SSW
8/21/2023 07:23:00	19.8	19.4	-0.4	0.06	0.00	-0.05	0.8	ESE
8/21/2023 07:24:00	19.8	19.2	-0.6	0.06	0.00	-0.06	0.8	SSE
8/21/2023 07:25:00	19.7	19.1	-0.7	0.06	0.00	-0.06	0.7	SSW
8/21/2023 07:26:00	19.8	19.1	-0.7	0.07	0.00	-0.06	0.7	SW
8/21/2023 07:27:00	19.8	19.0	-0.8	0.07	0.00	-0.07	0.7	S
8/21/2023 07:28:00	19.8	19.0	-0.7	0.07	0.00	-0.07	0.7	SW
8/21/2023 07:29:00	19.6	19.1	-0.5	0.07	0.01	-0.07	0.7	SE
8/21/2023 07:30:00	19.6	19.2	-0.5	0.08	0.01	-0.07	0.7	NNW
8/21/2023 07:31:00	19.6	19.2	-0.5	0.08	0.01	-0.07	0.7	S
8/21/2023 07:32:00	19.6	19.1	-0.5	0.06	0.01	-0.06	0.7	SSW
8/21/2023 07:33:00	19.7	19.1	-0.6	0.05	0.01	-0.04	0.8	SSW
8/21/2023 07:34:00	19.7	19.1	-0.6	0.04	0.01	-0.04	0.8	S
8/21/2023 07:35:00	19.5	19.1	-0.4	0.04	0.01	-0.03	0.8	SE
8/21/2023 07:36:00	19.4	19.2	-0.3	0.04	0.01	-0.02	0.8	ESE
8/21/2023 07:37:00	19.3	19.3	-0.1	0.03	0.01	-0.02	0.8	ESE
8/21/2023 07:38:00	19.3	19.4	0.0	0.03	0.01	-0.02	0.9	ESE
8/21/2023 07:39:00	19.2	19.6	0.4	0.03	0.01	-0.02	0.9	E
8/21/2023 07:40:00	19.1	19.8	0.8	0.03	0.01	-0.02	1.0	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
8/21/2023 07:41:00	19.2	19.7	0.5	0.03	0.01	-0.01	1.0	S
8/21/2023 07:42:00	19.1	20.0	0.9	0.02	0.01	-0.01	1.2	ESE
8/21/2023 07:43:00	19.0	20.1	1.1	0.01	0.01	0.00	1.2	ESE
8/21/2023 07:44:00	19.1	20.0	0.9	0.01	0.01	-0.01	1.2	SSW
8/21/2023 07:45:00	19.0	20.1	1.2	0.01	0.01	-0.01	1.2	SSE
8/21/2023 07:46:00	18.9	20.4	1.5	0.01	0.01	0.00	1.2	ESE
8/21/2023 07:47:00	18.8	20.6	1.8	0.01	0.01	0.00	1.2	E
8/21/2023 07:48:00	18.7	20.8	2.1	0.00	0.01	0.00	1.2	ESE
8/21/2023 07:49:00	18.6	20.9	2.4	0.00	0.01	0.01	1.2	SSE
8/21/2023 07:50:00	18.5	21.2	2.7	0.00	0.01	0.01	1.2	ESE
8/21/2023 07:51:00	18.4	21.3	2.9	0.00	0.01	0.01	1.3	E
8/21/2023 07:52:00	18.4	21.4	3.0	0.00	0.01	0.01	1.2	ENE
8/21/2023 07:53:00	18.3	21.3	3.0	0.00	0.01	0.01	1.3	ENE
8/21/2023 07:54:00	18.3	21.2	2.9	0.00	0.01	0.01	1.2	E
8/21/2023 07:55:00	18.3	21.2	2.9	0.00	0.01	0.01	1.2	NE
8/21/2023 07:56:00	17.9	21.3	3.3	0.00	0.01	0.01	1.2	E
8/21/2023 07:57:00	17.9	21.1	3.2	0.00	0.01	0.01	1.1	ENE
8/21/2023 07:58:00	17.9	21.2	3.2	0.00	0.01	0.01	1.1	ESE
8/21/2023 07:59:00	17.9	21.2	3.3	0.00	0.01	0.01	1.0	W
8/21/2023 08:00:00	18.0	21.2	3.2	0.00	0.01	0.01	1.0	ESE
8/21/2023 08:01:00	18.3	20.9	2.7	0.00	0.01	0.01	1.1	SW
8/21/2023 08:02:00	18.3	21.0	2.7	0.00	0.01	0.01	1.0	SE
8/21/2023 08:03:00	18.3	21.1	2.8	0.00	0.01	0.01	1.0	SE
8/21/2023 08:04:00	18.6	20.8	2.2	0.00	0.01	0.01	1.0	S
8/21/2023 08:05:00	18.7	20.9	2.2	0.00	0.01	0.01	1.0	E
8/21/2023 08:06:00	18.7	20.8	2.1	0.00	0.01	0.01	0.9	NNE
8/21/2023 08:07:00	18.9	20.6	1.7	0.00	0.01	0.00	0.9	NW
8/21/2023 08:08:00	19.0	20.6	1.5	0.00	0.01	0.01	0.8	NNE
8/21/2023 08:09:00	19.1	20.9	1.9	0.00	0.01	0.01	0.8	ENE
8/21/2023 08:10:00	19.1	21.3	2.2	0.00	0.01	0.01	0.7	NE
8/21/2023 08:11:00	19.1	21.5	2.4	0.00	0.01	0.01	0.7	E
8/21/2023 08:12:00	19.1	21.6	2.5	0.00	0.01	0.01	0.8	E
8/21/2023 08:13:00	19.1	21.6	2.5	0.00	0.01	0.01	0.8	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
8/21/2023 08:14:00	18.8	21.8	2.9	0.00	0.01	0.01	0.8	NNE
8/21/2023 08:15:00	18.9	21.5	2.6	0.00	0.01	0.01	0.8	SSE
8/21/2023 08:16:00	18.7	21.6	2.9	0.00	0.01	0.01	0.8	SE
8/21/2023 08:17:00	18.7	21.2	2.5	0.00	0.01	0.01	0.8	WSW
8/21/2023 08:18:00	18.7	21.1	2.4	0.00	0.01	0.01	0.8	ESE
8/21/2023 08:19:00	18.3	21.2	2.9	0.00	0.01	0.01	0.8	ENE
8/21/2023 08:20:00	18.3	21.0	2.7	0.00	0.01	0.01	0.8	ESE
8/21/2023 08:21:00	18.3	20.9	2.6	0.00	0.01	0.01	0.9	E
8/21/2023 08:22:00	18.2	21.0	2.9	0.00	0.01	0.01	0.9	NNE
8/21/2023 08:23:00	18.1	21.0	2.9	0.00	0.01	0.01	0.9	SE
8/21/2023 08:24:00	18.1	20.6	2.5	0.00	0.01	0.01	0.9	E
8/21/2023 08:25:00	18.2	20.3	2.1	0.00	0.01	0.01	1.0	NE
8/21/2023 08:26:00	18.3	20.0	1.6	0.00	0.00	0.00	0.9	SW
8/21/2023 08:27:00	18.4	19.8	1.5	0.00	0.00	0.00	0.8	SE
8/21/2023 08:28:00	18.4	19.7	1.3	0.00	0.00	0.00	0.8	SE
8/21/2023 08:29:00	18.6	19.5	0.9	0.00	0.00	0.00	0.9	S
8/21/2023 08:30:00	18.6	19.6	0.9	0.00	0.00	0.00	0.9	S
8/21/2023 08:31:00	18.7	19.4	0.7	0.00	0.00	0.00	0.9	S
8/21/2023 08:32:00	18.8	19.5	0.7	0.00	0.00	0.00	1.0	S
8/21/2023 08:33:00	19.2	19.4	0.2	0.00	0.00	0.00	0.9	SW
8/21/2023 08:34:00	19.6	19.2	-0.4	0.00	0.00	0.00	0.9	SSW
8/21/2023 08:35:00	19.9	19.1	-0.8	0.00	0.00	0.00	0.9	SSW
8/21/2023 08:36:00	20.1	19.0	-1.1	0.00	0.00	0.00	0.8	S
8/21/2023 08:37:00	20.3	19.1	-1.2	0.00	0.00	0.00	0.8	NNW
8/21/2023 08:38:00	20.4	19.1	-1.3	0.00	0.00	0.00	0.7	SSW
8/21/2023 08:39:00	20.6	19.1	-1.4	0.00	0.00	0.00	0.7	SW
8/21/2023 08:40:00	20.7	19.1	-1.6	0.00	0.00	0.00	0.7	NW
8/21/2023 08:41:00	20.6	19.3	-1.4	0.00	0.00	0.00	0.7	E
8/21/2023 08:42:00	20.8	19.1	-1.6	0.00	0.00	0.00	0.7	SSW
8/21/2023 08:43:00	20.8	19.2	-1.7	0.00	0.00	0.00	0.6	SE
8/21/2023 08:44:00	20.8	19.2	-1.6	0.00	0.00	0.00	0.6	SSE
8/21/2023 08:45:00	21.3	19.3	-2.0	0.00	0.00	0.00	0.6	SSE
8/21/2023 08:46:00	21.2	19.5	-1.8	0.00	0.00	0.00	0.6	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
8/21/2023 08:47:00	21.1	19.6	-1.6	0.00	0.01	0.00	0.5	SE
8/21/2023 08:48:00	20.8	19.7	-1.1	0.00	0.01	0.00	0.5	ESE
8/21/2023 08:49:00	20.4	19.9	-0.5	0.00	0.01	0.01	0.5	SE
8/21/2023 08:50:00	20.4	19.8	-0.6	0.01	0.01	0.00	0.6	SSE
8/21/2023 08:51:00	20.1	19.9	-0.2	0.01	0.01	0.01	0.6	E
8/21/2023 08:52:00	19.9	20.0	0.1	0.01	0.01	0.01	0.6	ESE
8/21/2023 08:53:00	19.6	20.2	0.5	0.01	0.01	0.01	0.7	ENE
8/21/2023 08:54:00	19.4	20.1	0.7	0.01	0.01	0.01	0.8	ESE
8/21/2023 08:55:00	19.2	20.0	0.8	0.01	0.01	0.01	0.8	E
8/21/2023 08:56:00	19.1	19.9	0.7	0.01	0.01	0.01	0.9	E
8/21/2023 08:57:00	19.0	19.9	0.9	0.01	0.01	0.01	0.9	SE
8/21/2023 08:58:00	18.9	19.7	0.8	0.01	0.01	0.01	1.0	N
8/21/2023 08:59:00	18.9	19.6	0.8	0.00	0.01	0.01	0.9	SSE
8/21/2023 09:00:00	18.4	19.6	1.2	0.00	0.01	0.01	1.0	SW
8/21/2023 09:01:00	18.5	19.4	0.9	0.00	0.01	0.01	1.0	SSE
8/21/2023 09:02:00	18.4	19.4	0.9	0.00	0.01	0.01	1.0	SSE
8/21/2023 09:03:00	18.5	19.2	0.8	0.00	0.01	0.01	1.0	SW
8/21/2023 09:04:00	18.7	19.0	0.3	0.00	0.01	0.00	1.0	SSW
8/21/2023 09:05:00	18.4	19.2	0.8	0.00	0.01	0.01	1.0	ESE
8/21/2023 09:06:00	18.6	19.0	0.5	0.00	0.00	0.00	1.0	SSE
8/21/2023 09:07:00	18.8	18.8	0.0	0.00	0.00	0.00	1.0	WSW
8/21/2023 09:08:00	19.1	18.5	-0.6	0.00	0.00	0.00	0.9	SSW
8/21/2023 09:09:00	19.4	18.4	-1.0	0.00	0.00	0.00	0.9	SSE
8/21/2023 09:10:00	19.7	18.7	-1.0	0.00	0.00	0.00	0.8	ESE
8/21/2023 09:11:00	19.9	18.9	-1.0	0.00	0.00	0.00	0.8	SSE
8/21/2023 09:12:00	20.0	19.0	-1.0	0.00	0.00	0.00	0.9	E
8/21/2023 09:13:00	20.0	19.2	-0.8	0.00	0.00	0.00	0.9	SE
8/21/2023 09:14:00	20.1	19.2	-0.8	0.00	0.00	0.00	1.0	SSE
8/21/2023 09:15:00	19.9	19.4	-0.5	0.00	0.00	0.00	0.9	ESE
8/21/2023 09:16:00	19.9	19.6	-0.3	0.00	0.00	0.00	1.0	E
8/21/2023 09:17:00	19.9	19.7	-0.3	0.00	0.00	0.00	1.0	ENE
8/21/2023 09:18:00	19.9	19.8	-0.1	0.00	0.00	0.00	1.0	ESE
8/21/2023 09:19:00	19.6	19.9	0.2	0.00	0.00	0.00	0.9	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
8/21/2023 09:20:00	19.7	19.8	0.1	0.00	0.00	0.00	1.0	N
8/21/2023 09:21:00	19.6	19.9	0.3	0.00	0.00	0.00	1.0	E
8/21/2023 09:22:00	19.4	20.0	0.6	0.00	0.00	0.00	1.0	E
8/21/2023 09:23:00	19.4	20.1	0.7	0.00	0.00	0.00	1.0	ESE
8/21/2023 09:24:00	19.2	20.1	0.9	0.00	0.00	0.00	1.0	ESE
8/21/2023 09:25:00	19.0	19.9	0.9	0.00	0.00	0.00	1.0	E
8/21/2023 09:26:00	18.8	19.7	0.9	0.00	0.00	0.00	1.0	E
8/21/2023 09:27:00	19.0	19.7	0.7	0.00	0.00	0.00	0.9	ESE
8/21/2023 09:28:00	19.4	19.5	0.1	0.00	0.00	0.00	0.9	E
8/21/2023 09:29:00	19.2	19.7	0.5	0.00	0.00	0.00	0.8	SW
8/21/2023 09:30:00	19.2	19.5	0.3	0.00	0.00	0.00	0.9	S
8/21/2023 09:31:00	19.2	19.4	0.2	0.00	0.00	0.00	0.9	NNE
8/21/2023 09:32:00	19.2	19.4	0.1	0.00	0.00	0.00	0.9	E
8/21/2023 09:33:00	19.3	19.3	0.1	0.00	0.00	0.00	0.8	E
8/21/2023 09:34:00	19.4	19.3	-0.1	0.00	0.00	0.00	0.8	SE
8/21/2023 09:35:00	19.5	19.3	-0.2	0.00	0.00	0.00	0.8	S
8/21/2023 09:36:00	19.6	19.3	-0.3	0.00	0.00	0.00	0.7	SW
8/21/2023 09:37:00	19.9	19.3	-0.6	0.00	0.00	0.00	0.8	SSW
8/21/2023 09:38:00	19.9	19.3	-0.6	0.00	0.00	0.00	0.8	SSE
8/21/2023 09:39:00	20.0	19.5	-0.5	0.00	0.00	0.00	0.8	SE
8/21/2023 09:40:00	20.1	19.7	-0.5	0.00	0.00	0.00	0.8	ESE
8/21/2023 09:41:00	20.2	19.9	-0.3	0.00	0.00	0.00	0.8	ESE
8/21/2023 09:42:00	20.2	19.9	-0.3	0.00	0.00	0.00	0.7	WNW
8/21/2023 09:43:00	19.9	20.1	0.2	0.00	0.00	0.00	0.7	SE
8/21/2023 09:44:00	20.1	20.1	-0.1	0.00	0.00	0.00	0.8	NW
8/21/2023 09:45:00	20.2	20.0	-0.1	0.00	0.00	0.00	0.8	W
8/21/2023 09:46:00	20.3	20.0	-0.3	0.00	0.00	0.00	0.8	W
8/21/2023 09:47:00	20.6	20.0	-0.6	0.00	0.00	0.00	0.7	SSE
8/21/2023 09:48:00	20.7	19.9	-0.8	0.00	0.00	0.00	0.7	S
8/21/2023 09:49:00	20.7	20.0	-0.7	0.00	0.00	0.00	0.8	SE
8/21/2023 09:50:00	20.5	20.1	-0.4	0.00	0.00	0.00	0.8	ESE
8/21/2023 09:51:00	20.4	20.1	-0.3	0.00	0.00	0.00	0.8	ESE
8/21/2023 09:52:00	20.2	20.2	0.0	0.00	0.00	0.00	0.7	ENE

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
8/21/2023 09:53:00	20.0	20.3	0.3	0.00	0.00	0.00	0.8	SSE
8/21/2023 09:54:00	20.0	20.4	0.4	0.00	0.00	0.00	0.8	SW
8/21/2023 09:55:00	20.1	20.2	0.1	0.00	0.00	0.00	0.8	SE
8/21/2023 09:56:00	20.1	19.9	-0.1	0.00	0.00	0.00	0.8	SE
8/21/2023 09:57:00	19.8	19.9	0.1	0.00	0.00	0.00	0.8	SSW
8/21/2023 09:58:00	19.6	19.8	0.1	0.00	0.00	0.00	0.8	WSW
8/21/2023 09:59:00	19.6	20.1	0.4	0.00	0.00	0.00	0.8	WSW
8/21/2023 10:00:00	19.6	20.4	0.9	0.00	0.00	0.00	0.8	SW
8/21/2023 10:01:00	19.6	20.9	1.3	0.00	0.00	0.00	0.8	SW
8/21/2023 10:02:00	19.5	21.2	1.7	0.00	0.00	0.00	0.8	S
8/21/2023 10:03:00	19.3	21.1	1.9	0.00	0.00	0.00	0.8	SSE
8/21/2023 10:04:00	19.2	20.9	1.7	0.00	0.00	0.00	0.8	SW
8/21/2023 10:05:00	19.1	20.7	1.6	0.00	0.00	0.00	0.8	SW
8/21/2023 10:06:00	19.2	20.5	1.3	0.00	0.00	0.00	0.8	ESE
8/21/2023 10:07:00	19.1	20.1	1.0	0.00	0.00	0.00	0.8	N
8/21/2023 10:08:00	19.0	19.9	1.0	0.00	0.00	0.00	0.8	SE
8/21/2023 10:09:00	18.7	19.5	0.8	0.00	0.00	0.00	0.8	WSW
8/21/2023 10:10:00	18.3	19.4	1.1	0.00	0.00	0.00	0.8	WSW
8/21/2023 10:11:00	18.0	19.3	1.3	0.00	0.00	0.00	0.7	SSW
8/21/2023 10:12:00	17.8	19.2	1.5	0.00	0.00	0.00	0.7	SSE
8/21/2023 10:13:00	17.6	19.0	1.3	0.00	0.00	0.00	0.7	SE
8/21/2023 10:14:00	17.4	18.5	1.1	0.00	0.00	0.00	0.7	ESE
8/21/2023 10:15:00	17.3	18.1	0.8	0.00	0.00	0.00	0.7	SW
8/21/2023 10:16:00	17.0	17.6	0.6	0.00	0.00	0.00	0.8	SW
8/21/2023 10:17:00	16.6	17.8	1.2	0.00	0.00	0.00	0.7	WSW
8/21/2023 10:18:00	16.7	18.3	1.6	0.00	0.00	0.00	0.7	SW
8/21/2023 10:19:00	17.4	19.1	1.7	0.00	0.00	0.00	0.8	SW
8/21/2023 10:20:00	17.6	20.2	2.6	0.00	0.00	0.00	0.8	SW
8/21/2023 10:21:00	17.8	21.2	3.4	0.00	0.00	0.00	0.8	SW
8/21/2023 10:22:00	18.0	22.5	4.5	0.00	0.00	0.00	0.8	SSW
8/21/2023 10:23:00	18.2	22.9	4.7	0.00	0.00	0.00	0.8	S
8/21/2023 10:24:00	18.4	23.1	4.6	0.00	0.00	0.00	0.8	SSE
8/21/2023 10:25:00	18.9	23.1	4.2	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
8/21/2023 10:26:00	19.1	23.0	3.8	0.00	0.00	0.00	0.8	E
8/21/2023 10:27:00	19.4	23.0	3.6	0.00	0.00	0.00	0.8	ESE
8/21/2023 10:28:00	19.7	23.4	3.7	0.00	0.00	0.00	0.8	SE
8/21/2023 10:29:00	19.9	23.6	3.7	0.00	0.00	0.00	0.8	SSW
8/21/2023 10:30:00	20.1	24.0	3.9	0.00	0.00	0.00	0.7	S
8/21/2023 10:31:00	20.3	24.2	3.9	0.00	0.00	0.00	0.7	S
8/21/2023 10:32:00	20.3	23.7	3.5	0.00	0.00	0.00	0.7	SSW
8/21/2023 10:33:00	19.9	23.2	3.3	0.00	0.00	0.00	0.7	SSE
8/21/2023 10:34:00	18.9	22.4	3.4	0.00	0.00	0.00	0.6	W
8/21/2023 10:35:00	18.7	21.1	2.4	0.00	0.00	0.00	0.6	ESE
8/21/2023 10:36:00	18.3	19.9	1.7	0.00	0.00	0.00	0.6	S
8/21/2023 10:37:00	18.1	18.7	0.6	0.00	0.00	0.00	0.6	S
8/21/2023 10:38:00	17.8	18.4	0.6	0.00	0.00	0.00	0.6	SSE
8/21/2023 10:39:00	17.5	18.0	0.5	0.00	0.00	0.00	0.6	SE
8/21/2023 10:40:00	17.1	17.9	0.8	0.00	0.00	0.00	0.7	SSW
8/21/2023 10:41:00	16.8	17.9	1.1	0.00	0.00	0.00	0.7	W
8/21/2023 10:42:00	16.6	17.7	1.1	0.00	0.00	0.00	0.6	SSW
8/21/2023 10:43:00	16.3	17.3	1.0	0.00	0.00	0.00	0.6	SW
8/21/2023 10:44:00	16.0	17.0	1.0	0.00	0.00	0.00	0.6	SW
8/21/2023 10:45:00	15.6	16.4	0.8	0.00	0.00	0.00	0.7	SW
8/21/2023 10:46:00	15.5	16.1	0.6	0.00	0.00	0.00	0.7	WSW
8/21/2023 10:47:00	15.7	15.9	0.2	0.00	0.00	0.00	0.7	SW
8/21/2023 10:48:00	16.0	15.9	0.0	0.00	0.00	0.00	0.7	WSW
8/21/2023 10:49:00	16.2	16.1	-0.1	0.00	0.00	0.00	0.8	WSW
8/21/2023 10:50:00	16.3	16.2	-0.1	0.00	0.00	0.00	0.8	SSW
8/21/2023 10:51:00	16.4	16.2	-0.1	0.00	0.00	0.00	0.8	SSW
8/21/2023 10:52:00	16.4	16.2	-0.2	0.00	0.00	0.00	0.9	SSW
8/21/2023 10:53:00	16.8	16.1	-0.7	0.00	0.00	0.00	0.9	SSW
8/21/2023 10:54:00	17.5	16.2	-1.4	0.00	0.00	0.00	0.9	SSW
8/21/2023 10:55:00	17.8	16.3	-1.5	0.00	0.00	0.00	0.9	SW
8/21/2023 10:56:00	18.0	16.5	-1.5	0.00	0.00	0.00	0.9	SW
8/21/2023 10:57:00	18.1	16.6	-1.5	0.00	0.00	0.00	1.0	ESE
8/21/2023 10:58:00	18.2	16.7	-1.6	0.00	0.00	0.00	1.0	SSE

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
8/21/2023 10:59:00	18.4	16.9	-1.5	0.00	0.00	0.00	1.0	ESE
8/21/2023 11:00:00	18.4	17.0	-1.4	0.00	0.00	0.00	1.0	ESE
8/21/2023 11:01:00	19.5	17.0	-2.5	0.00	0.00	0.00	1.0	SSE
8/21/2023 11:02:00	21.1	17.0	-4.1	0.00	0.00	0.00	1.0	S
8/21/2023 11:03:00				0.00	0.00	0.00	1.0	S
8/21/2023 11:04:00				0.00	0.00	0.00	1.0	SSE
8/21/2023 11:05:00				0.00	0.00	0.00	0.9	NW
8/21/2023 11:06:00	16.9	29.9	12.9	0.00	0.00	0.00	0.9	ESE
8/21/2023 11:07:00	17.0	29.0	12.0	0.00	0.00	0.00	0.8	SSE
8/21/2023 11:08:00	22.0	25.1	3.1	0.00	0.00	0.00	0.8	SW
8/21/2023 11:09:00	25.3	23.1	-2.2	0.00	0.00	0.00	0.8	S
8/21/2023 11:10:00	28.6	21.8	-6.9	0.00	0.00	0.00	0.7	WNW
8/21/2023 11:11:00	26.5	24.9	-1.6	0.00	0.00	0.00	0.7	E
8/21/2023 11:12:00	25.2	27.2	2.0	0.00	0.00	0.00	0.6	NNW
8/21/2023 11:13:00	24.1	29.4	5.2	0.00	0.00	0.00	0.6	ENE
8/21/2023 11:14:00	24.4	27.9	3.5	0.00	0.00	0.00	0.5	SW
8/21/2023 11:15:00	23.6	27.0	3.4	0.00	0.00	0.00	0.5	SSE
8/21/2023 11:16:00	23.1	26.1	3.0	0.00	0.00	0.00	0.5	SW
8/21/2023 11:17:00	22.5	25.5	3.0	0.00	0.00	0.00	0.5	SW
8/21/2023 11:18:00	21.9	25.1	3.1	0.00	0.00	0.00	0.5	W
8/21/2023 11:19:00	21.9	24.4	2.5	0.00	0.00	0.00	0.5	NE
8/21/2023 11:20:00	21.6	23.7	2.1	0.00	0.00	0.00	0.5	ESE
8/21/2023 11:21:00	21.6	22.7	1.2	0.00	0.00	0.00	0.5	SE
8/21/2023 11:22:00	21.4	22.1	0.8	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:23:00	20.3	22.4	2.1	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:24:00	18.9	22.5	3.5	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:25:00	17.3	22.5	5.2	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:26:00	17.4	21.0	3.6	0.00	0.00	0.00	0.7	S
8/21/2023 11:27:00	17.9	19.7	1.8	0.00	0.00	0.00	0.7	WSW
8/21/2023 11:28:00	17.9	18.1	0.2	0.00	0.00	0.00	0.7	SSE
8/21/2023 11:29:00	18.1	18.5	0.4	0.00	0.00	0.00	0.7	SE
8/21/2023 11:30:00	18.5	18.8	0.3	0.00	0.00	0.00	0.7	ESE
8/21/2023 11:31:00	18.6	19.1	0.5	0.00	0.00	0.00	0.7	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
8/21/2023 11:32:00	19.3	19.2	-0.1	0.00	0.00	0.00	0.6	WSW
8/21/2023 11:33:00	20.1	19.9	-0.2	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:34:00	20.2	21.0	0.8	0.00	0.00	0.00	0.6	SW
8/21/2023 11:35:00	20.7	22.2	1.5	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:36:00	21.1	23.4	2.2	0.00	0.00	0.00	0.6	SSW
8/21/2023 11:37:00	22.0	23.9	1.9	0.00	0.01	0.01	0.6	SW
8/21/2023 11:38:00	22.8	24.1	1.2	0.00	0.01	0.01	0.6	SSE
8/21/2023 11:39:00	23.4	24.7	1.3	0.00	0.01	0.01	0.6	ESE
8/21/2023 11:40:00	23.9	25.5	1.6	0.00	0.01	0.01	0.6	ESE
8/21/2023 11:41:00	24.8	25.7	0.9	0.00	0.01	0.01	0.5	SW
8/21/2023 11:42:00	25.3	25.7	0.3	0.00	0.01	0.01	0.5	SW
8/21/2023 11:43:00	26.6	25.6	-0.9	0.00	0.01	0.01	0.6	SSW
8/21/2023 11:44:00	26.7	25.7	-1.0	0.00	0.01	0.01	0.6	S
8/21/2023 11:45:00	26.7	26.3	-0.5	0.00	0.01	0.01	0.6	ESE
8/21/2023 11:46:00	26.9	26.9	0.1	0.00	0.01	0.01	0.6	E
8/21/2023 11:47:00	26.3	27.8	1.5	0.00	0.01	0.01	0.7	ESE
8/21/2023 11:48:00	25.6	27.5	1.9	0.00	0.01	0.01	0.7	NE
8/21/2023 11:49:00	25.7	26.5	0.8	0.00	0.01	0.01	0.7	S
8/21/2023 11:50:00	25.2	25.4	0.1	0.00	0.01	0.01	0.7	SSE
8/21/2023 11:51:00	24.7	24.5	-0.3	0.00	0.01	0.01	0.7	ESE
8/21/2023 11:52:00	23.9	24.0	0.1	0.00	0.00	0.00	0.7	ENE
8/21/2023 11:53:00	23.0	23.8	0.8	0.00	0.00	0.00	0.7	SE
8/21/2023 11:54:00	22.6	22.9	0.3	0.00	0.00	0.00	0.7	S
8/21/2023 11:55:00	21.9	22.7	0.8	0.00	0.00	0.00	0.7	N
8/21/2023 11:56:00	21.6	22.3	0.7	0.00	0.00	0.00	0.7	WSW
8/21/2023 11:57:00	21.2	22.1	0.9	0.00	0.00	0.00	0.7	SSE
8/21/2023 11:58:00	20.4	21.8	1.4	0.00	0.00	0.00	0.7	WSW
8/21/2023 11:59:00	20.0	21.5	1.5	0.00	0.01	0.01	0.7	SSW
8/21/2023 12:00:00	19.8	20.7	0.9	0.00	0.01	0.01	0.7	SSW
8/21/2023 12:01:00	19.6	19.8	0.2	0.00	0.02	0.02	0.7	S
8/21/2023 12:02:00	19.6	18.9	-0.7	0.00	0.02	0.02	0.7	SSW
8/21/2023 12:03:00	19.6	18.3	-1.3	0.00	0.02	0.02	0.8	SW
8/21/2023 12:04:00	19.1	18.4	-0.7	0.00	0.02	0.02	0.8	SSW

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
8/21/2023 12:05:00	18.8	18.4	-0.4	0.00	0.02	0.02	0.9	SW
8/21/2023 12:06:00	18.8	18.3	-0.5	0.00	0.02	0.02	0.9	SW
8/21/2023 12:07:00	18.8	18.0	-0.8	0.00	0.02	0.02	0.9	S
8/21/2023 12:08:00	18.7	18.0	-0.7	0.00	0.02	0.02	0.9	SSE
8/21/2023 12:09:00	18.5	19.3	0.8	0.00	0.02	0.02	0.9	SSW
8/21/2023 12:10:00	19.0	18.5	-0.5	0.00	0.02	0.01	0.9	SE
8/21/2023 12:11:00	18.4	18.4	0.0	0.01	0.02	0.01	1.0	SE
8/21/2023 12:12:00	17.6	18.4	0.8	0.01	0.02	0.01	1.0	WSW
8/21/2023 12:13:00	16.9	18.4	1.4	0.01	0.01	0.01	1.0	SSW
8/21/2023 12:14:00	16.3	18.3	2.0	0.01	0.01	0.00	1.0	SW
8/21/2023 12:15:00	15.9	18.3	2.4	0.01	0.00	0.00	1.0	SW
8/21/2023 12:16:00	15.6	18.4	2.8	0.01	0.00	-0.01	1.0	SW
8/21/2023 12:17:00	15.4	18.3	2.9	0.01	0.00	-0.01	1.0	WSW
8/21/2023 12:18:00	15.1	18.6	3.5	0.01	0.00	-0.01	1.0	SW
8/21/2023 12:19:00	14.9	19.3	4.4	0.01	0.00	-0.01	1.0	SSW
8/21/2023 12:20:00	14.9	19.4	4.5	0.01	0.00	-0.01	1.0	SSW
8/21/2023 12:21:00	14.7	19.5	4.8	0.01	0.00	-0.01	0.9	S
8/21/2023 12:22:00	14.9	19.2	4.3	0.01	0.00	-0.01	0.9	E
8/21/2023 12:23:00	14.9	19.0	4.1	0.01	0.00	-0.01	0.9	SSE
8/21/2023 12:24:00	14.8	17.8	3.0	0.01	0.00	-0.01	0.9	SW
8/21/2023 12:25:00	14.1	18.0	3.8	0.00	0.00	0.00	0.9	S
8/21/2023 12:26:00	14.2	17.9	3.7	0.00	0.00	0.00	0.9	ENE
8/21/2023 12:27:00	14.3	17.6	3.3	0.00	0.00	0.00	0.9	SE
8/21/2023 12:28:00	14.7	17.4	2.7	0.00	0.00	0.00	0.8	SE
8/21/2023 12:29:00	14.9	17.1	2.2	0.00	0.00	0.00	0.8	ESE
8/21/2023 12:30:00	15.3	16.7	1.4	0.00	0.00	0.00	0.8	SE
8/21/2023 12:31:00	15.3	16.6	1.4	0.00	0.00	0.00	0.8	WSW
8/21/2023 12:32:00	15.5	16.4	0.9	0.00	0.00	0.00	0.8	E
8/21/2023 12:33:00	15.5	16.0	0.5	0.00	0.00	0.00	0.8	W
8/21/2023 12:34:00	15.6	14.9	-0.7	0.00	0.00	0.00	0.7	NNE
8/21/2023 12:35:00	15.8	14.5	-1.3	0.00	0.00	0.00	0.7	ESE
8/21/2023 12:36:00	16.0	14.2	-1.8	0.00	0.00	0.00	0.7	ESE
8/21/2023 12:37:00	15.7	14.3	-1.4	0.00	0.00	0.00	0.7	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
8/21/2023 12:38:00	15.6	14.1	-1.5	0.00	0.00	0.00	0.8	WSW
8/21/2023 12:39:00	15.6	14.1	-1.6	0.00	0.00	0.00	0.8	SW
8/21/2023 12:40:00	15.8	13.8	-2.0	0.00	0.00	0.00	0.7	ESE
8/21/2023 12:41:00	15.4	14.0	-1.4	0.00	0.00	0.00	0.7	SW
8/21/2023 12:42:00	15.1	14.3	-0.8	0.00	0.00	0.00	0.7	SSW
8/21/2023 12:43:00	14.8	14.7	-0.1	0.00	0.00	0.00	0.8	SSW
8/21/2023 12:44:00	14.7	15.1	0.5	0.00	0.01	0.00	0.8	SSW
8/21/2023 12:45:00	14.3	15.4	1.2	0.00	0.01	0.01	0.8	SW
8/21/2023 12:46:00	14.3	15.4	1.1	0.00	0.01	0.01	0.8	SSW
8/21/2023 12:47:00	14.1	15.7	1.6	0.00	0.01	0.01	0.8	SW
8/21/2023 12:48:00	14.1	15.8	1.7	0.00	0.01	0.01	0.8	SW
8/21/2023 12:49:00	14.0	16.1	2.1	0.00	0.01	0.01	0.9	SSW
8/21/2023 12:50:00	13.7	16.4	2.7	0.00	0.01	0.01	0.9	SW
8/21/2023 12:51:00	13.7	16.5	2.9	0.00	0.01	0.01	0.9	SSE
8/21/2023 12:52:00	13.9	16.5	2.6	0.00	0.01	0.01	0.9	E
8/21/2023 12:53:00	14.1	17.7	3.6	0.00	0.01	0.01	0.9	WSW
8/21/2023 12:54:00	15.5	17.7	2.2	0.00	0.01	0.01	1.0	ESE
8/21/2023 12:55:00	15.7	17.8	2.1	0.00	0.01	0.01	1.0	E
8/21/2023 12:56:00	15.7	17.7	2.0	0.00	0.01	0.01	1.0	E
8/21/2023 12:57:00	15.7	17.5	1.8	0.00	0.01	0.01	1.1	ESE
8/21/2023 12:58:00	15.6	17.1	1.5	0.00	0.00	0.00	1.1	S
8/21/2023 12:59:00	15.4	16.6	1.2	0.00	0.00	0.00	1.0	ESE
8/21/2023 13:00:00	15.4	16.4	0.9	0.00	0.00	0.00	1.1	S
8/21/2023 13:01:00	15.4	16.1	0.7	0.00	0.00	0.00	1.1	SSW
8/21/2023 13:02:00	15.4	15.8	0.5	0.00	0.00	0.00	1.1	SSW
8/21/2023 13:03:00	15.5	15.5	0.0	0.00	0.00	0.00	1.1	SW
8/21/2023 13:04:00	15.5	15.2	-0.3	0.00	0.00	0.00	1.1	S
8/21/2023 13:05:00	15.5	15.0	-0.5	0.00	0.00	0.00	1.1	SSW
8/21/2023 13:06:00	15.5	15.0	-0.5	0.00	0.00	0.00	1.1	SW
8/21/2023 13:07:00	15.5	14.9	-0.5	0.00	0.00	0.00	1.1	SW
8/21/2023 13:08:00	15.9	13.7	-2.2	0.00	0.00	0.00	1.1	W
8/21/2023 13:09:00	15.2	13.7	-1.5	0.00	0.00	0.00	1.0	SW
8/21/2023 13:10:00	15.5	13.7	-1.8	0.00	0.00	0.00	1.0	SW

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
8/21/2023 13:11:00	16.0	13.8	-2.2	0.00	0.00	0.00	0.9	WSW
8/21/2023 13:12:00	16.1	13.9	-2.2	0.00	0.00	0.00	0.9	SW
8/21/2023 13:13:00	16.2	13.9	-2.3	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:14:00	16.4	14.0	-2.5	0.00	0.00	0.00	1.0	SW
8/21/2023 13:15:00	16.3	14.0	-2.3	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:16:00	16.3	13.9	-2.5	0.00	0.00	0.00	1.0	SE
8/21/2023 13:17:00	16.3	13.9	-2.5	0.00	0.00	0.00	1.0	S
8/21/2023 13:18:00	16.2	13.9	-2.3	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:19:00	16.1	13.8	-2.2	0.00	0.00	0.00	0.9	SSW
8/21/2023 13:20:00	16.0	13.9	-2.0	0.00	0.00	0.00	0.9	ENE
8/21/2023 13:21:00	16.1	13.9	-2.1	0.00	0.00	0.00	0.9	S
8/21/2023 13:22:00	15.9	14.1	-1.9	0.00	0.00	0.00	0.9	SW
8/21/2023 13:23:00	15.4	14.2	-1.2	0.00	0.00	0.00	0.9	SSW
8/21/2023 13:24:00	14.8	14.3	-0.6	0.00	0.00	0.00	0.9	SE
8/21/2023 13:25:00	14.3	14.2	-0.1	0.00	0.00	0.00	1.0	SE
8/21/2023 13:26:00	13.9	14.2	0.2	0.00	0.00	0.00	1.0	ESE
8/21/2023 13:27:00	13.9	14.1	0.1	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:28:00	13.8	14.2	0.3	0.00	0.00	0.00	1.0	SW
8/21/2023 13:29:00	13.7	14.2	0.5	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:30:00	13.6	14.1	0.5	0.00	0.00	0.00	1.0	SW
8/21/2023 13:31:00	13.6	14.3	0.6	0.00	0.00	0.00	1.0	SSW
8/21/2023 13:32:00	13.9	14.4	0.5	0.00	0.00	0.00	1.0	W
8/21/2023 13:33:00	14.2	14.8	0.6	0.00	0.00	0.00	1.0	SW
8/21/2023 13:34:00	14.5	15.1	0.6	0.00	0.00	0.00	1.1	SW
8/21/2023 13:35:00	14.8	15.3	0.4	0.00	0.00	0.00	1.1	SW
8/21/2023 13:36:00	14.7	15.5	0.7	0.00	0.00	0.00	1.2	SW
8/21/2023 13:37:00	14.7	15.6	0.8	0.00	0.00	0.00	1.2	SW
8/21/2023 13:38:00	15.4	15.8	0.3	0.00	0.00	0.00	1.2	SSW
8/21/2023 13:39:00	16.5	15.8	-0.7	0.00	0.00	0.00	1.2	S
8/21/2023 13:40:00	16.6	16.6	-0.1	0.00	0.00	0.00	1.2	ESE
8/21/2023 13:41:00	17.1	16.7	-0.4	0.00	0.00	0.00	1.2	S
8/21/2023 13:42:00	17.2	16.9	-0.3	0.00	0.00	0.00	1.2	SSW
8/21/2023 13:43:00	17.4	17.2	-0.2	0.00	0.00	0.00	1.2	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
8/21/2023 13:44:00	17.4	17.5	0.1	0.00	0.00	0.00	1.2	SW
8/21/2023 13:45:00	17.5	17.7	0.2	0.00	0.00	0.00	1.2	WSW
8/21/2023 13:46:00	17.4	17.9	0.4	0.00	0.00	0.00	1.1	SW
8/21/2023 13:47:00	17.3	18.1	0.9	0.00	0.00	0.00	1.1	SSW
8/21/2023 13:48:00	17.0	17.9	0.9	0.00	0.00	0.00	1.1	WSW
8/21/2023 13:49:00	17.3	17.9	0.7	0.00	0.00	0.00	1.0	W
8/21/2023 13:50:00	17.3	17.9	0.6	0.00	0.00	0.00	1.0	SW
8/21/2023 13:51:00	17.2	17.9	0.6	0.00	0.00	0.00	1.0	SW
8/21/2023 13:52:00	17.1	17.8	0.7	0.00	0.00	0.00	1.0	SW
8/21/2023 13:53:00	16.5	17.6	1.1	0.00	0.00	0.00	1.0	SW
8/21/2023 13:54:00	15.5	17.4	2.0	0.00	0.00	0.00	1.1	SW
8/21/2023 13:55:00	15.2	16.8	1.5	0.00	0.00	0.00	1.1	SW
8/21/2023 13:56:00	14.8	16.6	1.8	0.00	0.00	0.00	1.2	SW
8/21/2023 13:57:00	14.7	16.4	1.7	0.00	0.00	0.00	1.1	WSW
8/21/2023 13:58:00	14.6	16.3	1.7	0.00	0.00	0.00	1.2	SW
8/21/2023 13:59:00	14.6	16.1	1.5	0.00	0.00	0.00	1.2	SSW
8/21/2023 14:00:00	14.5	16.1	1.6	0.00	0.00	0.00	1.2	SSW
8/21/2023 14:01:00	14.4	15.8	1.4	0.00	0.00	0.00	1.2	SW
8/21/2023 14:02:00	14.3	15.6	1.3	0.00	0.00	0.00	1.2	SSW
8/21/2023 14:03:00	14.2	15.5	1.4	0.00	0.00	0.00	1.2	SW
8/21/2023 14:04:00	13.6	15.3	1.7	0.00	0.00	0.00	1.2	S
8/21/2023 14:05:00	13.4	15.1	1.7	0.00	0.00	0.00	1.2	E
8/21/2023 14:06:00	13.5	15.0	1.5	0.00	0.00	0.00	1.1	ESE
8/21/2023 14:07:00	13.6	15.0	1.4	0.00	0.00	0.00	1.1	WSW
8/21/2023 14:08:00	13.6	15.1	1.5	0.00	0.00	0.00	1.1	WSW
8/21/2023 14:09:00	13.6	15.3	1.7	0.00	0.00	0.00	1.0	SW
8/21/2023 14:10:00	13.8	15.3	1.5	0.00	0.00	0.00	1.0	SW
8/21/2023 14:11:00	14.1	15.4	1.3	0.00	0.00	0.00	0.9	WNW
8/21/2023 14:12:00	14.1	15.7	1.6	0.00	0.00	0.00	0.9	ESE
8/21/2023 14:13:00	14.5	15.6	1.1	0.00	0.00	0.00	0.9	NW
8/21/2023 14:14:00	15.2	15.6	0.4	0.00	0.00	0.00	0.9	W
8/21/2023 14:15:00	16.0	15.5	-0.5	0.00	0.00	0.00	0.8	WNW
8/21/2023 14:16:00	16.9	15.3	-1.6	0.00	0.00	0.00	0.8	SW

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
8/21/2023 14:17:00	18.4	15.1	-3.3	0.00	0.00	0.00	0.9	S
8/21/2023 14:18:00	18.4	16.6	-1.9	0.00	0.00	0.00	0.8	SE
8/21/2023 14:19:00	20.3	16.4	-3.9	0.00	0.00	0.00	0.8	NNW
8/21/2023 14:20:00	22.7	16.6	-6.1	0.00	0.00	0.00	0.8	S
8/21/2023 14:21:00	24.5	16.6	-8.0	0.00	0.01	0.01	0.9	S
8/21/2023 14:22:00	24.6	17.2	-7.4	0.00	0.01	0.01	0.9	N
8/21/2023 14:23:00	25.5	17.0	-8.5	0.00	0.01	0.01	0.9	SSE
8/21/2023 14:24:00	25.7	16.8	-8.9	0.00	0.01	0.01	0.8	WSW
8/21/2023 14:25:00	25.4	16.7	-8.7	0.00	0.01	0.01	0.8	SSW
8/21/2023 14:26:00	24.9	16.6	-8.3	0.00	0.01	0.01	0.8	SSE
8/21/2023 14:27:00	24.8	16.9	-7.9	0.00	0.01	0.01	0.8	ESE
8/21/2023 14:28:00	28.5	16.9	-11.6	0.00	0.01	0.01	0.8	S
8/21/2023 14:29:00	28.6	17.0	-11.6	0.00	0.00	0.00	0.9	SW
8/21/2023 14:30:00	27.8	17.1	-10.7	0.00	0.00	0.00	0.9	SW
8/21/2023 14:31:00	26.9	17.3	-9.6	0.00	0.01	0.01	0.9	WNW
8/21/2023 14:32:00	25.7	17.3	-8.4	0.00	0.01	0.01	0.8	ENE
8/21/2023 14:33:00	25.6	15.7	-10.0	0.00	0.01	0.01	0.9	SSE
8/21/2023 14:34:00	23.9	15.7	-8.2	0.00	0.01	0.01	0.9	SE
8/21/2023 14:35:00	21.5	15.5	-6.0	0.00	0.00	0.00	0.9	E
8/21/2023 14:36:00	19.5	15.5	-4.0	0.00	0.00	0.00	0.9	SSE
8/21/2023 14:37:00	19.5	14.9	-4.6	0.00	0.00	0.00	0.9	SSW
8/21/2023 14:38:00	18.7	15.1	-3.6	0.00	0.00	0.00	0.8	WSW
8/21/2023 14:39:00	18.5	15.2	-3.2	0.00	0.00	0.00	0.9	S
8/21/2023 14:40:00	18.8	15.4	-3.4	0.00	0.00	0.00	0.9	SSW
8/21/2023 14:41:00	19.0	15.5	-3.6	0.00	0.00	0.00	0.9	WNW
8/21/2023 14:42:00	19.2	14.9	-4.3	0.00	0.00	0.00	0.9	SSW
8/21/2023 14:43:00	15.4	15.1	-0.3	0.00	0.00	0.00	0.9	S
8/21/2023 14:44:00	14.7	15.2	0.5	0.00	0.00	0.00	0.8	SW
8/21/2023 14:45:00	14.8	15.5	0.8	0.00	0.00	0.00	0.8	WSW
8/21/2023 14:46:00	15.0	15.7	0.7	0.00	0.00	0.00	0.9	W
8/21/2023 14:47:00	15.1	16.0	0.9	0.00	0.00	0.00	0.9	NNW
8/21/2023 14:48:00	15.4	16.3	0.9	0.00	0.00	0.00	0.9	WNW
8/21/2023 14:49:00	15.5	16.4	1.0	0.00	0.00	0.00	0.8	SW

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
8/21/2023 14:50:00	15.5	16.7	1.3	0.00	0.00	0.00	0.9	SSW
8/21/2023 14:51:00	15.8	16.7	0.8	0.00	0.00	0.00	0.8	NNE
8/21/2023 14:52:00							0.8	E
8/21/2023 14:53:00	15.3	15.1	-0.2	0.00	0.00	0.00	0.8	NNE
8/21/2023 14:54:00	14.9	14.7	-0.2	0.00	0.00	0.00	0.8	WSW
8/21/2023 14:55:00	14.5	14.4	-0.1	0.00	0.00	0.00	0.9	SW
8/21/2023 14:56:00	14.1	14.5	0.4	0.00	0.00	0.00	0.9	WSW
8/21/2023 14:57:00	14.0	14.9	0.9	0.00	0.00	0.00	1.0	W
8/21/2023 14:58:00	14.0	15.3	1.3	0.00	0.00	0.00	1.0	SSW
8/21/2023 14:59:00	13.9	15.7	1.8	0.00	0.00	0.00	1.0	S
8/21/2023 15:00:00	13.7	15.6	1.9	0.00	0.00	0.00	1.0	SSW
8/21/2023 15:01:00	13.6	15.4	1.9	0.00	0.00	0.00	1.0	SW
8/21/2023 15:02:00				0.00	0.00	0.00	1.0	SE
8/21/2023 15:03:00				0.00	0.00	0.00	1.1	SE
8/21/2023 15:04:00	13.8	14.6	0.7	0.00	0.00	0.00	1.1	E
8/21/2023 15:05:00	14.1	14.1	-0.1	0.00	0.00	0.00	1.1	SSE
8/21/2023 15:06:00	14.0	14.0	0.0	0.00	0.00	0.00	1.1	S
8/21/2023 15:07:00	13.8	14.3	0.5	0.00	0.00	0.00	1.1	N
8/21/2023 15:08:00	13.7	14.3	0.6	0.00	0.00	0.00	1.1	SE
8/21/2023 15:09:00	13.7	14.4	0.7	0.00	0.00	0.00	1.1	SE
8/21/2023 15:10:00	13.8	14.4	0.6	0.00	0.00	0.00	1.0	SE
8/21/2023 15:11:00	13.7	14.4	0.7	0.00	0.00	0.00	1.0	SE
8/21/2023 15:12:00	13.7	14.8	1.0	0.00	0.00	0.00	1.0	ENE
8/21/2023 15:13:00	13.9	14.8	0.9	0.00	0.00	0.00	1.0	ESE
8/21/2023 15:14:00	14.1	15.0	0.9	0.00	0.00	0.00	1.0	SE
8/21/2023 15:15:00	14.1	15.0	0.8	0.00	0.00	0.00	1.0	W