

**DAILY FIELD REPORT 039**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	July 31, 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)

**Langan Field Personnel:**

Harrison Bluestone (Environmental)

Xianglei Zheng (Geotechnical)

**Work Activities Performed:**

- Urban excavated an about 20-foot-long by 5-foot-wide area and an about 10-foot-long by 5-foot-wide area to about 5 feet below grade surface (bgs) in the northern and southern parts of waste characterization grid WC03\_0-5, respectively, to prepare for the installation of soil-mix columns and caisson casings. Excavated soil/fill was stockpiled in the southern part of grid WC02 and covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban graded an about 15-foot-long by 15-foot-wide area of soil/fill in the southeastern part of waste characterization grid WC03 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 four, about 58-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the western parts of the site.
- Urban continued drilling a rock socket for a caisson using a CAT00 Custom Build 3Double L drilling rig in the northeastern 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)
	50	1,000	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.
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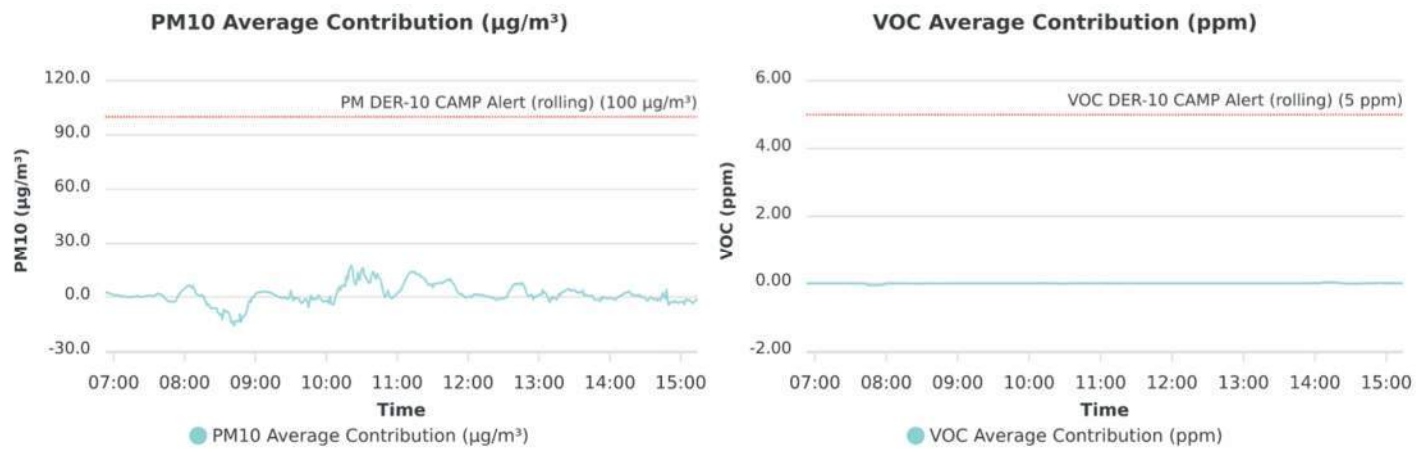
**Air Monitoring:**

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	3.6	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-16.0	VOC Average Site Contribution (Minimum)	-0.06
PM10 Average Site Contribution (Maximum)	17.3	VOC Average Site Contribution (Maximum)	0.04

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

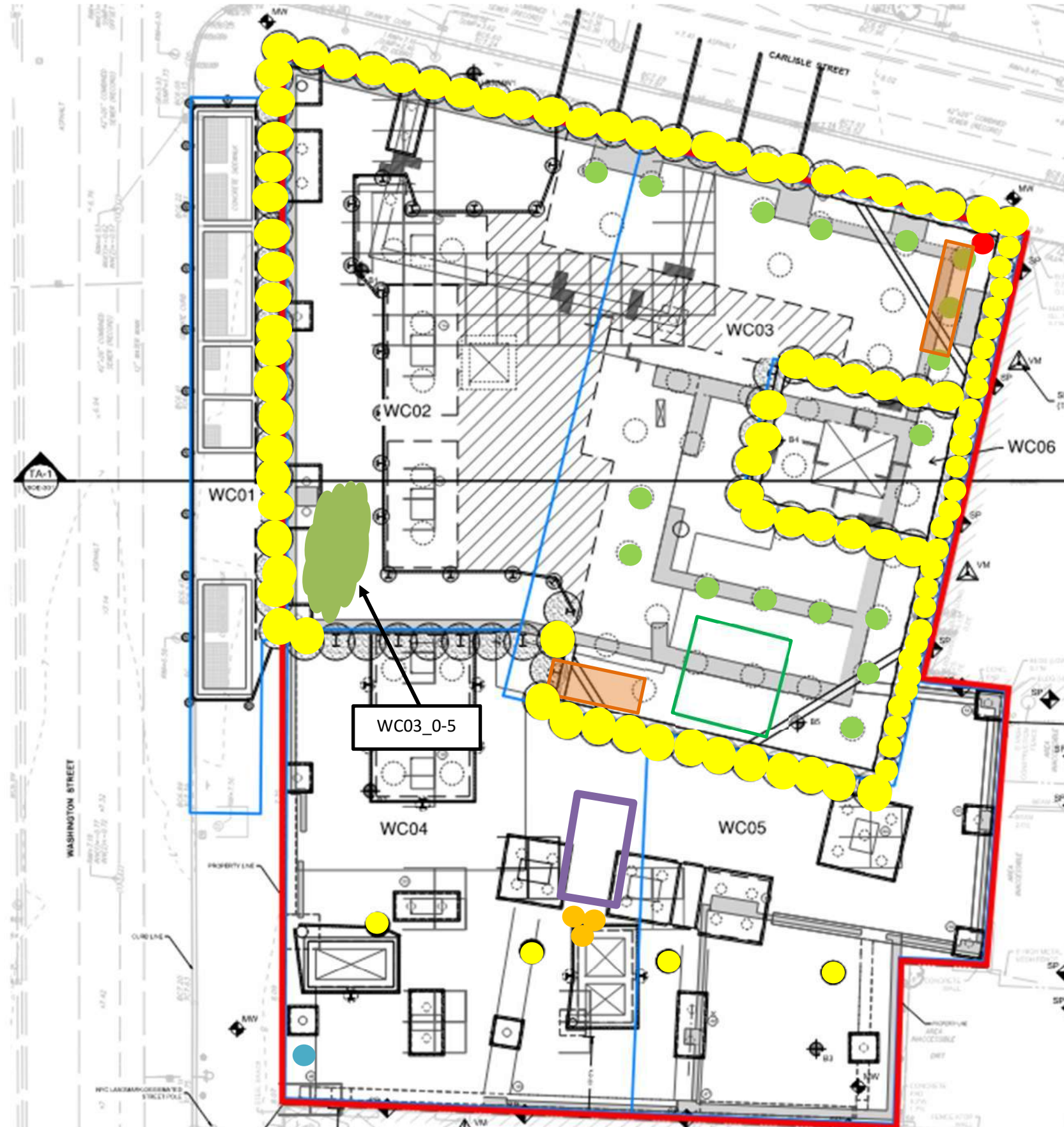
ppm: parts per million.



**Planned Activities:**

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

**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 Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- 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:** Urban excavating soil/fill in waste characterization grid WC03 (facing northwest).



**Photo 2:** Urban grading to prepare for equipment mobilization in waste characterization grid WC03 (facing northwest).



**Photo 3:** View of CAMP Station 1 (next to the fence) in the northeastern part of the site (facing northeast).



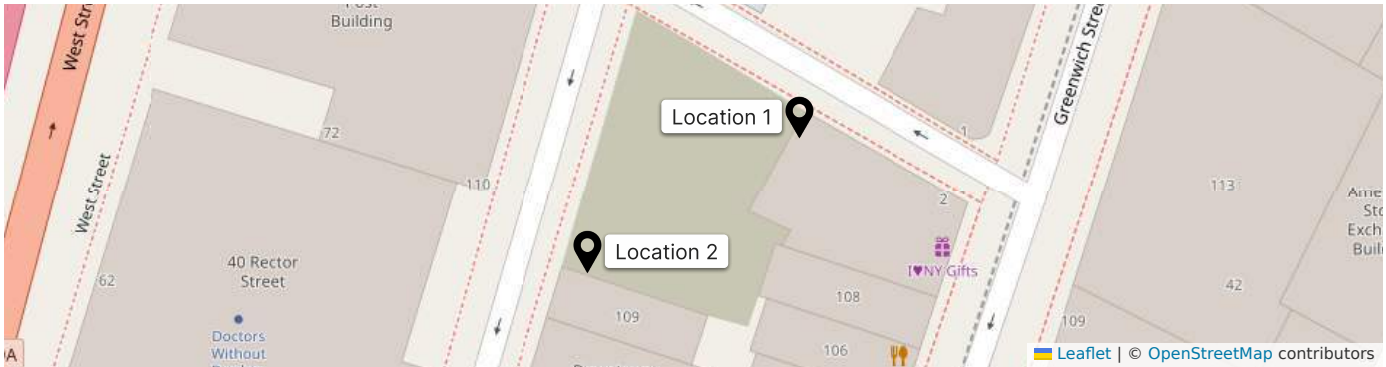
**Photo 4:** View of the entrance/exit of the site along Washington Street at the end of the work day (facing north).



<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	7/31/2023 00:00
		<b>To:</b>	7/31/2023 22:00
		<b>PM10 Action Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5 ppm		

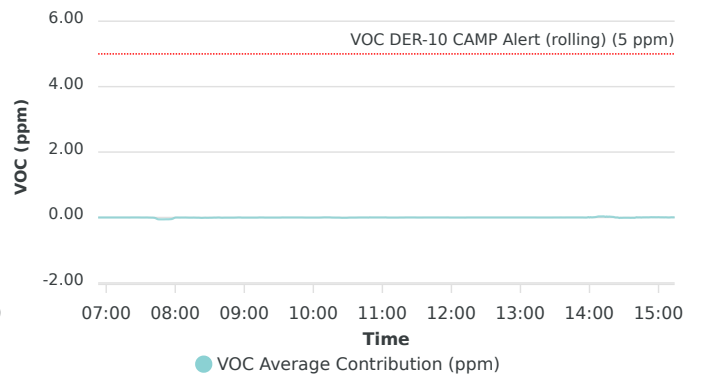
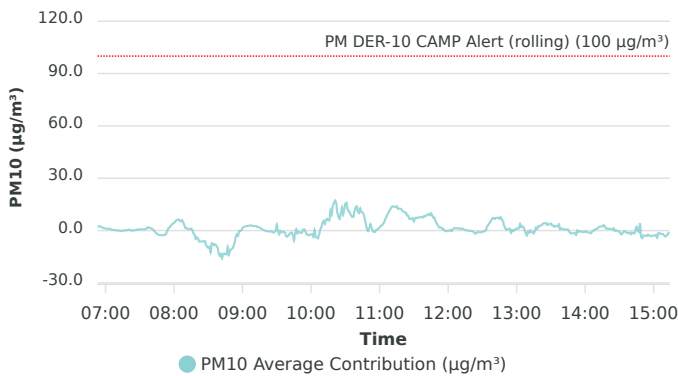
<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
7/31/2023	0.3-4.1	SSW

Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
<b>Min Contribution (15 min avg.) - 7/31/2023</b>	-16.0	08:42:00	-0.06	07:46:00
<b>Max Contribution (15 min avg.) - 7/31/2023</b>	17.3	10:21:00	0.04	14:12:00

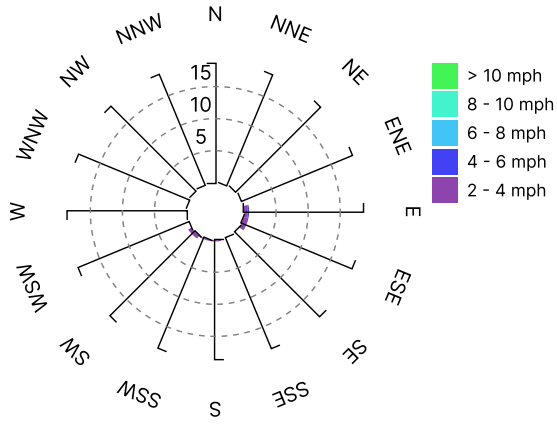


**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**

**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
7/31/2023 06:53:00	3.6	5.7	2.1	0.00	0.00	0.00	0.8	SSW
7/31/2023 06:54:00	3.4	5.9	2.4	0.00	0.00	0.00	0.8	WSW
7/31/2023 06:55:00	3.5	5.9	2.4	0.00	0.00	0.00	0.9	SW
7/31/2023 06:56:00	3.6	5.7	2.1	0.00	0.00	0.00	1.3	SSW
7/31/2023 06:57:00	3.9	5.7	1.7	0.00	0.00	0.00	1.3	SW
7/31/2023 06:58:00	4.0	5.5	1.5	0.00	0.00	0.00	1.4	SW
7/31/2023 06:59:00	4.0	5.4	1.4	0.00	0.00	0.00	1.5	SW
7/31/2023 07:00:00	4.1	5.3	1.2	0.00	0.00	0.00	1.4	SW
7/31/2023 07:01:00	4.4	5.3	1.0	0.00	0.00	0.00	1.5	SSW
7/31/2023 07:02:00	4.5	5.4	1.0	0.00	0.00	0.00	1.4	SW
7/31/2023 07:03:00	4.5	5.5	1.0	0.00	0.00	0.00	1.5	SW
7/31/2023 07:04:00	4.6	5.6	1.0	0.00	0.00	0.00	1.5	SW
7/31/2023 07:05:00	4.9	5.6	0.6	0.00	0.00	0.00	1.5	SSW
7/31/2023 07:06:00	5.3	5.6	0.4	0.00	0.00	0.00	1.5	SW
7/31/2023 07:07:00	5.3	5.7	0.3	0.00	0.00	0.00	1.5	SW
7/31/2023 07:08:00	5.4	5.7	0.3	0.00	0.00	0.00	1.5	SW
7/31/2023 07:09:00	5.5	5.7	0.2	0.00	0.00	0.00	1.5	S
7/31/2023 07:10:00	5.6	5.8	0.1	0.00	0.00	0.00	1.4	SW
7/31/2023 07:11:00	5.8	5.8	0.1	0.00	0.00	0.00	1.4	SW
7/31/2023 07:12:00	5.9	5.9	0.0	0.00	0.00	0.00	1.4	WNW
7/31/2023 07:13:00	6.2	5.9	-0.2	0.00	0.00	0.00	1.3	SW
7/31/2023 07:14:00	6.2	6.0	-0.2	0.00	0.00	0.00	1.3	WSW
7/31/2023 07:15:00	6.2	6.2	-0.1	0.00	0.00	0.00	1.3	SW
7/31/2023 07:16:00	6.1	6.2	0.1	0.00	0.00	0.00	1.3	S
7/31/2023 07:17:00	6.0	6.1	0.1	0.00	0.00	0.00	1.3	SW
7/31/2023 07:18:00	5.9	6.0	0.1	0.00	0.00	0.00	1.2	SW
7/31/2023 07:19:00	5.8	6.0	0.2	0.00	0.00	0.00	1.2	SSW
7/31/2023 07:20:00	5.5	6.1	0.6	0.00	0.00	0.00	1.1	NW
7/31/2023 07:21:00	5.4	6.0	0.5	0.00	0.00	0.00	1.1	ENE
7/31/2023 07:22:00	5.9	5.9	0.0	0.00	0.00	0.00	1.1	SSE
7/31/2023 07:23:00	5.9	6.0	0.1	0.00	0.00	0.00	1.1	SSW
7/31/2023 07:24:00	5.9	5.9	0.1	0.00	0.00	0.00	1.1	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
7/31/2023 07:25:00	5.8	5.9	0.1	0.00	0.00	0.00	1.2	S
7/31/2023 07:26:00	5.7	6.0	0.3	0.00	0.01	0.00	1.1	SW
7/31/2023 07:27:00	5.7	6.0	0.3	0.00	0.01	0.00	1.2	ESE
7/31/2023 07:28:00	5.4	6.1	0.6	0.01	0.01	0.00	1.2	SSW
7/31/2023 07:29:00	5.4	6.1	0.7	0.01	0.01	0.00	1.1	SSE
7/31/2023 07:30:00	5.4	6.1	0.7	0.01	0.01	0.00	1.1	SW
7/31/2023 07:31:00	5.4	6.1	0.7	0.01	0.01	0.00	1.1	S
7/31/2023 07:32:00	5.5	6.2	0.7	0.01	0.01	0.00	1.2	SSW
7/31/2023 07:33:00	5.6	6.3	0.7	0.01	0.01	0.00	1.2	SW
7/31/2023 07:34:00	5.6	6.3	0.7	0.01	0.01	0.00	1.2	SW
7/31/2023 07:35:00	5.6	6.4	0.8	0.01	0.01	0.00	1.2	SW
7/31/2023 07:36:00	5.3	6.6	1.3	0.01	0.01	0.00	1.3	S
7/31/2023 07:37:00	4.8	6.7	1.9	0.01	0.00	0.00	1.3	S
7/31/2023 07:38:00	4.9	6.6	1.6	0.01	0.00	0.00	1.3	S
7/31/2023 07:39:00	5.1	6.6	1.5	0.01	0.00	-0.01	1.2	WSW
7/31/2023 07:40:00	5.5	6.8	1.3	0.01	0.00	-0.01	1.2	SSW
7/31/2023 07:41:00	5.9	6.7	0.8	0.01	0.00	-0.01	1.2	WSW
7/31/2023 07:42:00	6.4	6.7	0.3	0.01	0.00	-0.01	1.2	SW
7/31/2023 07:43:00	7.0	6.6	-0.4	0.02	0.00	-0.02	1.2	WSW
7/31/2023 07:44:00	7.8	6.5	-1.3	0.04	0.00	-0.04	1.2	SW
7/31/2023 07:45:00	8.3	6.5	-1.8	0.05	0.00	-0.05	1.2	SW
7/31/2023 07:46:00	9.0	6.7	-2.3	0.06	0.00	-0.06	1.1	SW
7/31/2023 07:47:00	9.3	6.8	-2.5	0.06	0.00	-0.06	1.1	WSW
7/31/2023 07:48:00	9.5	7.0	-2.6	0.06	0.00	-0.06	1.1	WSW
7/31/2023 07:49:00	9.9	7.3	-2.6	0.06	0.00	-0.06	1.0	SW
7/31/2023 07:50:00	10.3	7.7	-2.6	0.06	0.00	-0.06	1.0	W
7/31/2023 07:51:00	10.8	8.1	-2.6	0.06	0.00	-0.06	1.0	SSW
7/31/2023 07:52:00	11.0	8.6	-2.4	0.06	0.00	-0.06	1.0	WSW
7/31/2023 07:53:00	11.3	9.5	-1.8	0.06	0.00	-0.06	1.0	SW
7/31/2023 07:54:00	11.5	11.4	-0.2	0.06	0.00	-0.06	1.1	SW
7/31/2023 07:55:00	11.6	13.0	1.3	0.06	0.00	-0.05	1.0	WNW
7/31/2023 07:56:00	11.7	13.4	1.7	0.06	0.00	-0.05	1.0	SSW
7/31/2023 07:57:00	11.5	14.1	2.6	0.05	0.01	-0.05	1.0	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
7/31/2023 07:58:00	11.4	14.9	3.5	0.04	0.01	-0.04	1.0	W
7/31/2023 07:59:00	11.3	15.3	4.0	0.02	0.01	-0.02	1.0	WNW
7/31/2023 08:00:00	11.2	15.6	4.4	0.01	0.01	0.00	0.9	SSW
7/31/2023 08:01:00	11.2	16.4	5.2	0.01	0.01	0.00	0.9	S
7/31/2023 08:02:00	11.4	17.4	6.0	0.01	0.01	0.00	0.9	SSW
7/31/2023 08:03:00	12.0	18.1	6.2	0.01	0.00	0.00	0.9	WSW
7/31/2023 08:04:00	12.1	18.5	6.4	0.01	0.00	0.00	1.0	S
7/31/2023 08:05:00	12.8	18.3	5.6	0.01	0.00	0.00	1.0	ENE
7/31/2023 08:06:00	13.1	18.3	5.3	0.01	0.00	0.00	1.0	S
7/31/2023 08:07:00	13.2	19.3	6.1	0.01	0.00	0.00	1.0	S
7/31/2023 08:08:00	14.1	18.7	4.7	0.01	0.00	0.00	1.0	ESE
7/31/2023 08:09:00	14.0	17.1	3.1	0.01	0.00	0.00	1.0	SSE
7/31/2023 08:10:00	14.1	15.5	1.4	0.01	0.00	0.00	1.1	SSW
7/31/2023 08:11:00	14.2	15.5	1.3	0.01	0.00	0.00	1.1	W
7/31/2023 08:12:00	14.2	15.1	0.9	0.01	0.00	-0.01	1.1	ESE
7/31/2023 08:13:00	13.9	14.7	0.8	0.01	0.00	-0.01	1.1	WSW
7/31/2023 08:14:00	13.5	14.4	0.9	0.01	0.00	-0.01	1.1	WNW
7/31/2023 08:15:00	13.7	14.9	1.2	0.01	0.00	-0.01	1.1	W
7/31/2023 08:16:00	14.5	14.7	0.2	0.01	0.00	0.00	1.1	NNE
7/31/2023 08:17:00	15.7	14.2	-1.5	0.01	0.00	-0.01	1.0	W
7/31/2023 08:18:00	15.9	13.4	-2.5	0.01	0.00	-0.01	1.1	WNW
7/31/2023 08:19:00	17.8	12.9	-4.8	0.01	0.00	-0.01	1.0	S
7/31/2023 08:20:00	17.5	13.6	-3.9	0.01	0.00	-0.01	1.0	SE
7/31/2023 08:21:00	17.9	13.3	-4.6	0.01	0.00	-0.01	0.9	S
7/31/2023 08:22:00	18.3	12.0	-6.3	0.01	0.00	-0.01	0.9	W
7/31/2023 08:23:00	18.2	11.9	-6.3	0.02	0.00	-0.01	0.8	SW
7/31/2023 08:24:00	18.4	12.1	-6.3	0.02	0.01	-0.01	0.8	SE
7/31/2023 08:25:00	18.5	12.4	-6.1	0.01	0.01	-0.01	0.8	SE
7/31/2023 08:26:00	18.3	12.2	-6.1	0.01	0.01	-0.01	0.8	SSE
7/31/2023 08:27:00	18.1	12.1	-6.1	0.02	0.01	-0.01	0.8	SW
7/31/2023 08:28:00	20.4	12.1	-8.3	0.02	0.01	-0.01	0.8	W
7/31/2023 08:29:00	21.6	12.3	-9.3	0.02	0.01	-0.01	0.7	SSW
7/31/2023 08:30:00	21.5	11.6	-9.9	0.01	0.01	-0.01	0.7	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
7/31/2023 08:31:00	20.3	10.9	-9.4	0.01	0.01	-0.01	0.7	S
7/31/2023 08:32:00	23.4	10.9	-12.5	0.01	0.01	-0.01	0.7	WNW
7/31/2023 08:33:00	22.8	15.5	-7.2	0.01	0.01	-0.01	0.7	NNE
7/31/2023 08:34:00	23.0	15.6	-7.4	0.01	0.01	0.00	0.8	SSW
7/31/2023 08:35:00	23.2	14.8	-8.4	0.01	0.01	-0.01	0.8	W
7/31/2023 08:36:00	22.9	14.9	-8.0	0.01	0.01	0.00	0.8	WSW
7/31/2023 08:37:00	23.9	15.3	-8.6	0.01	0.01	0.00	0.8	WSW
7/31/2023 08:38:00	25.1	15.5	-9.6	0.01	0.01	0.00	0.7	W
7/31/2023 08:39:00	27.9	15.1	-12.9	0.01	0.00	0.00	0.7	WNW
7/31/2023 08:40:00	29.2	14.7	-14.5	0.01	0.00	-0.01	0.7	SW
7/31/2023 08:41:00	29.2	15.9	-13.3	0.01	0.00	-0.01	0.7	NNW
7/31/2023 08:42:00	31.8	15.8	-16.0	0.01	0.00	-0.01	0.7	WNW
7/31/2023 08:43:00	29.6	16.2	-13.3	0.01	0.00	-0.01	0.7	SE
7/31/2023 08:44:00	29.4	16.3	-13.1	0.01	0.00	-0.01	0.8	SW
7/31/2023 08:45:00	30.0	16.3	-13.6	0.01	0.00	-0.01	0.8	WNW
7/31/2023 08:46:00	30.0	16.4	-13.7	0.01	0.00	-0.01	0.8	WNW
7/31/2023 08:47:00	25.4	15.9	-9.4	0.01	0.00	-0.01	0.8	SSW
7/31/2023 08:48:00	25.1	11.2	-13.9	0.01	0.00	-0.01	0.8	NW
7/31/2023 08:49:00	22.5	11.0	-11.5	0.01	0.00	-0.01	0.8	SW
7/31/2023 08:50:00	21.4	10.7	-10.7	0.01	0.00	-0.01	0.7	NW
7/31/2023 08:51:00	20.8	10.4	-10.3	0.01	0.00	-0.01	0.7	NW
7/31/2023 08:52:00	19.0	9.9	-9.1	0.01	0.00	0.00	0.7	WSW
7/31/2023 08:53:00	16.7	9.7	-7.0	0.00	0.00	0.00	0.7	SW
7/31/2023 08:54:00	13.3	9.7	-3.6	0.00	0.00	0.00	0.7	WSW
7/31/2023 08:55:00	11.6	9.6	-2.0	0.00	0.00	0.00	0.8	SW
7/31/2023 08:56:00	11.2	8.2	-3.1	0.00	0.00	0.00	0.9	SW
7/31/2023 08:57:00	8.3	8.1	-0.2	0.00	0.00	0.00	0.9	SW
7/31/2023 08:58:00	8.0	7.7	-0.3	0.01	0.00	-0.01	0.9	SSW
7/31/2023 08:59:00	7.0	7.3	0.3	0.01	0.00	0.00	0.9	SE
7/31/2023 09:00:00	5.9	7.5	1.6	0.01	0.00	0.00	0.8	S
7/31/2023 09:01:00	5.5	7.5	2.0	0.01	0.00	0.00	0.8	S
7/31/2023 09:02:00	5.3	7.7	2.4	0.01	0.00	0.00	0.8	W
7/31/2023 09:03:00	5.2	7.8	2.5	0.01	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
7/31/2023 09:04:00	5.4	8.0	2.6	0.01	0.00	0.00	0.8	SSW
7/31/2023 09:05:00	5.5	8.2	2.7	0.01	0.00	0.00	0.8	S
7/31/2023 09:06:00	5.5	8.3	2.9	0.01	0.00	0.00	0.8	S
7/31/2023 09:07:00	5.4	8.4	3.0	0.01	0.00	0.00	0.9	SSW
7/31/2023 09:08:00	5.5	8.4	2.9	0.01	0.00	0.00	0.9	S
7/31/2023 09:09:00	5.6	8.3	2.7	0.01	0.00	0.00	0.9	SSE
7/31/2023 09:10:00	5.7	8.2	2.5	0.01	0.00	0.00	0.8	SSE
7/31/2023 09:11:00	5.7	8.4	2.6	0.01	0.00	0.00	0.7	ENE
7/31/2023 09:12:00	5.8	8.4	2.6	0.00	0.00	0.00	0.7	SSE
7/31/2023 09:13:00	6.0	8.0	1.9	0.00	0.00	0.00	0.6	SW
7/31/2023 09:14:00	5.8	8.0	2.1	0.00	0.00	0.00	0.6	W
7/31/2023 09:15:00	6.0	7.5	1.6	0.00	0.00	0.00	0.6	SW
7/31/2023 09:16:00	6.1	7.3	1.3	0.00	0.00	0.00	0.6	SW
7/31/2023 09:17:00	6.2	7.0	0.8	0.00	0.00	0.00	0.6	SW
7/31/2023 09:18:00	6.3	6.7	0.4	0.00	0.00	0.00	0.6	SW
7/31/2023 09:19:00	6.1	6.3	0.2	0.00	0.00	0.00	0.6	SSE
7/31/2023 09:20:00	6.1	6.0	-0.1	0.00	0.00	0.00	0.6	SE
7/31/2023 09:21:00	6.0	5.8	-0.3	0.00	0.00	0.00	0.7	ESE
7/31/2023 09:22:00	6.0	5.5	-0.5	0.00	0.00	0.00	0.7	ESE
7/31/2023 09:23:00	5.9	5.3	-0.5	0.00	0.00	0.00	0.7	ESE
7/31/2023 09:24:00	5.7	5.3	-0.4	0.00	0.00	0.00	0.7	SE
7/31/2023 09:25:00	5.6	5.3	-0.3	0.00	0.00	0.00	0.7	S
7/31/2023 09:26:00	5.9	5.0	-0.8	0.00	0.00	0.00	0.7	NW
7/31/2023 09:27:00	6.0	4.9	-1.2	0.00	0.00	0.00	0.7	WSW
7/31/2023 09:28:00	5.9	5.0	-0.8	0.00	0.00	0.00	0.7	SE
7/31/2023 09:29:00	5.7	5.9	0.2	0.00	0.00	0.00	0.7	SE
7/31/2023 09:30:00	5.7	9.2	3.5	0.00	0.00	0.00	0.6	ESE
7/31/2023 09:31:00	9.7	9.2	-0.6	0.00	0.00	0.00	0.7	S
7/31/2023 09:32:00	11.4	9.2	-2.2	0.00	0.00	0.00	0.7	S
7/31/2023 09:33:00	11.5	11.4	-0.2	0.00	0.00	0.00	0.7	N
7/31/2023 09:34:00	12.7	11.7	-1.0	0.00	0.00	0.00	0.7	S
7/31/2023 09:35:00	12.8	12.1	-0.7	0.00	0.00	0.00	0.7	SE
7/31/2023 09:36:00	13.0	12.3	-0.7	0.00	0.00	0.00	0.7	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
7/31/2023 09:37:00	13.4	12.4	-1.1	0.00	0.00	0.00	0.6	SSE
7/31/2023 09:38:00	15.6	12.5	-3.1	0.00	0.00	0.00	0.6	SW
7/31/2023 09:39:00	16.1	12.7	-3.5	0.00	0.00	0.00	0.7	SW
7/31/2023 09:40:00	16.1	13.2	-3.0	0.00	0.00	0.00	0.7	SW
7/31/2023 09:41:00	15.9	13.9	-2.0	0.00	0.00	0.00	0.8	SSW
7/31/2023 09:42:00	15.9	14.5	-1.4	0.00	0.00	0.00	0.8	S
7/31/2023 09:43:00	16.1	15.0	-1.1	0.00	0.00	0.00	0.9	SSW
7/31/2023 09:44:00	17.0	14.3	-2.6	0.00	0.00	0.00	0.9	SSE
7/31/2023 09:45:00	17.2	11.4	-5.8	0.00	0.00	0.00	1.0	SSE
7/31/2023 09:46:00	13.3	11.9	-1.4	0.00	0.00	0.00	1.0	SW
7/31/2023 09:47:00	11.7	12.5	0.8	0.00	0.00	0.00	1.0	S
7/31/2023 09:48:00	12.1	10.3	-1.7	0.00	0.00	0.00	1.0	SE
7/31/2023 09:49:00	10.9	10.3	-0.6	0.00	0.00	0.00	1.1	SW
7/31/2023 09:50:00	10.9	9.9	-1.0	0.00	0.00	0.00	1.1	SW
7/31/2023 09:51:00	11.3	9.9	-1.4	0.00	0.00	0.00	1.2	SSW
7/31/2023 09:52:00	11.1	9.9	-1.2	0.00	0.00	0.00	1.2	SW
7/31/2023 09:53:00	9.4	9.9	0.5	0.00	0.00	0.00	1.2	W
7/31/2023 09:54:00	9.0	9.8	0.7	0.00	0.00	0.00	1.3	SW
7/31/2023 09:55:00	9.9	9.3	-0.6	0.00	0.00	0.00	1.2	SE
7/31/2023 09:56:00	10.7	8.7	-2.0	0.00	0.00	0.00	1.3	E
7/31/2023 09:57:00	10.6	8.2	-2.4	0.00	0.00	0.00	1.3	ESE
7/31/2023 09:58:00	10.4	7.7	-2.7	0.00	0.00	0.00	1.3	ESE
7/31/2023 09:59:00	10.1	7.7	-2.4	0.00	0.00	0.00	1.2	W
7/31/2023 10:00:00	9.8	7.6	-2.2	0.00	0.00	0.00	1.2	SW
7/31/2023 10:01:00	9.8	7.8	-2.0	0.00	0.00	0.00	1.2	SSE
7/31/2023 10:02:00	11.2	7.5	-3.8	0.00	0.00	0.00	1.2	S
7/31/2023 10:03:00	10.8	11.2	0.4	0.00	0.00	0.00	1.1	NNW
7/31/2023 10:04:00	14.7	11.4	-3.3	0.00	0.00	0.00	1.1	SW
7/31/2023 10:05:00	15.5	11.4	-4.0	0.00	0.00	0.00	1.0	WSW
7/31/2023 10:06:00	15.9	11.4	-4.5	0.00	0.00	0.00	1.0	S
7/31/2023 10:07:00	15.6	13.3	-2.2	0.00	0.00	0.00	0.9	NNE
7/31/2023 10:08:00	15.2	15.7	0.5	0.00	0.00	0.00	0.9	ESE
7/31/2023 10:09:00	15.0	17.2	2.2	0.00	0.00	0.00	0.8	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
7/31/2023 10:10:00	14.2	18.6	4.3	0.00	0.00	0.00	0.8	E
7/31/2023 10:11:00	14.3	20.0	5.6	0.00	0.00	0.00	0.8	WNW
7/31/2023 10:12:00	16.4	20.1	3.7	0.00	0.01	0.00	0.8	ESE
7/31/2023 10:13:00	16.4	22.4	6.0	0.00	0.01	0.00	0.7	NW
7/31/2023 10:14:00	16.1	22.8	6.7	0.00	0.01	0.00	0.8	SSE
7/31/2023 10:15:00	17.0	22.8	5.9	0.00	0.01	0.00	0.8	SSE
7/31/2023 10:16:00	17.6	23.3	5.8	0.01	0.01	0.00	0.7	WSW
7/31/2023 10:17:00	17.0	28.6	11.6	0.01	0.01	0.00	0.8	WSW
7/31/2023 10:18:00	17.3	26.4	9.0	0.01	0.01	0.00	0.8	SSE
7/31/2023 10:19:00	13.4	27.6	14.2	0.01	0.00	0.00	0.8	SSW
7/31/2023 10:20:00	12.5	28.3	15.8	0.01	0.00	0.00	0.8	SW
7/31/2023 10:21:00	11.7	28.9	17.3	0.01	0.00	0.00	0.9	S
7/31/2023 10:22:00	12.1	27.8	15.7	0.01	0.00	0.00	0.9	SW
7/31/2023 10:23:00	15.8	25.9	10.2	0.01	0.00	-0.01	0.9	W
7/31/2023 10:24:00	16.7	24.4	7.8	0.01	0.00	-0.01	0.9	SSE
7/31/2023 10:25:00	16.7	23.3	6.6	0.01	0.00	-0.01	0.9	WNW
7/31/2023 10:26:00	15.8	25.5	9.8	0.01	0.00	-0.01	0.8	SSE
7/31/2023 10:27:00	13.7	27.0	13.3	0.01	0.00	-0.01	0.9	S
7/31/2023 10:28:00	15.6	24.7	9.1	0.01	0.00	-0.01	0.9	ESE
7/31/2023 10:29:00	15.6	28.1	12.5	0.01	0.00	-0.01	0.9	SW
7/31/2023 10:30:00	15.1	30.5	15.5	0.01	0.00	-0.01	0.9	SSW
7/31/2023 10:31:00	14.9	30.8	15.9	0.00	0.00	0.00	1.0	S
7/31/2023 10:32:00	14.1	26.1	12.0	0.00	0.00	0.00	1.0	SSE
7/31/2023 10:33:00	13.6	24.9	11.3	0.00	0.00	0.00	1.0	S
7/31/2023 10:34:00	13.7	23.8	10.0	0.00	0.00	0.00	1.0	SW
7/31/2023 10:35:00	14.3	23.0	8.7	0.00	0.00	0.00	1.0	SE
7/31/2023 10:36:00	14.6	22.5	7.8	0.00	0.00	0.00	1.0	SW
7/31/2023 10:37:00	14.4	22.2	7.8	0.00	0.00	0.00	1.0	WSW
7/31/2023 10:38:00	10.8	22.0	11.2	0.00	0.00	0.00	1.0	SSW
7/31/2023 10:39:00	9.9	23.1	13.2	0.00	0.00	0.00	1.0	SW
7/31/2023 10:40:00	10.1	24.0	13.9	0.00	0.00	0.00	1.1	SSE
7/31/2023 10:41:00	10.2	21.0	10.8	0.00	0.00	0.00	1.2	SSW
7/31/2023 10:42:00	10.2	20.3	10.0	0.00	0.00	0.00	1.2	S

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
7/31/2023 10:43:00	8.2	20.9	12.8	0.00	0.00	0.00	1.2	WSW
7/31/2023 10:44:00	8.0	18.7	10.7	0.00	0.00	0.00	1.2	SW
7/31/2023 10:45:00	7.6	17.9	10.4	0.00	0.00	0.00	1.2	SSW
7/31/2023 10:46:00				0.00	0.00	0.00	1.2	SSE
7/31/2023 10:47:00				0.00	0.00	0.00	1.2	SSW
7/31/2023 10:48:00				0.00	0.00	0.00	1.2	SSE
7/31/2023 10:49:00				0.00	0.01	0.00	1.2	SE
7/31/2023 10:50:00	9.4	9.1	-0.3	0.00	0.01	0.00	1.2	SSW
7/31/2023 10:51:00	7.8	9.2	1.4	0.00	0.01	0.00	1.2	SSW
7/31/2023 10:52:00	7.3	11.0	3.7	0.00	0.01	0.00	1.2	SSW
7/31/2023 10:53:00	10.2	11.8	1.6	0.00	0.01	0.00	1.2	SSE
7/31/2023 10:54:00	11.5	11.4	-0.2	0.00	0.01	0.00	1.2	SW
7/31/2023 10:55:00	11.9	11.1	-0.8	0.00	0.01	0.00	1.2	ESE
7/31/2023 10:56:00	11.8	11.1	-0.8	0.00	0.01	0.00	1.1	SE
7/31/2023 10:57:00	11.1	11.5	0.4	0.00	0.01	0.00	1.1	ESE
7/31/2023 10:58:00	10.7	11.3	0.6	0.00	0.01	0.00	1.1	NNE
7/31/2023 10:59:00	10.1	11.2	1.1	0.00	0.01	0.00	1.0	SSW
7/31/2023 11:00:00	9.7	11.5	1.7	0.00	0.01	0.00	1.0	SSW
7/31/2023 11:01:00	9.6	12.3	2.7	0.00	0.01	0.00	1.0	SW
7/31/2023 11:02:00	9.5	12.6	3.0	0.00	0.01	0.00	1.0	SSE
7/31/2023 11:03:00	9.1	12.9	3.8	0.00	0.01	0.00	1.1	SSW
7/31/2023 11:04:00	9.0	13.8	4.8	0.00	0.00	0.00	1.1	S
7/31/2023 11:05:00	8.7	15.3	6.6	0.00	0.00	0.00	1.1	SSW
7/31/2023 11:06:00	8.7	16.6	8.0	0.00	0.00	0.00	1.2	S
7/31/2023 11:07:00	8.6	18.0	9.4	0.00	0.00	0.00	1.2	SSE
7/31/2023 11:08:00	7.9	18.5	10.6	0.00	0.00	0.00	1.2	W
7/31/2023 11:09:00	7.2	18.9	11.8	0.00	0.00	0.00	1.2	WNW
7/31/2023 11:10:00	6.6	19.5	13.0	0.00	0.00	0.00	1.2	SW
7/31/2023 11:11:00	6.2	20.0	13.8	0.00	0.00	0.00	1.2	WSW
7/31/2023 11:12:00	6.3	20.2	13.9	0.00	0.00	0.00	1.2	S
7/31/2023 11:13:00	6.6	20.1	13.5	0.00	0.00	0.00	1.3	E
7/31/2023 11:14:00	6.6	20.2	13.6	0.00	0.00	0.00	1.3	SSW
7/31/2023 11:15:00	6.5	20.4	13.9	0.00	0.00	0.00	1.4	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
7/31/2023 11:16:00	6.9	19.3	12.4	0.00	0.00	0.00	1.4	NE
7/31/2023 11:17:00	6.5	19.1	12.6	0.00	0.00	0.00	1.4	SW
7/31/2023 11:18:00	6.5	19.1	12.6	0.00	0.00	0.00	1.4	S
7/31/2023 11:19:00	6.2	18.4	12.2	0.00	0.00	0.00	1.4	SSW
7/31/2023 11:20:00	6.2	17.4	11.2	0.00	0.00	0.00	1.4	SW
7/31/2023 11:21:00	6.1	16.9	10.8	0.00	0.00	0.00	1.4	WSW
7/31/2023 11:22:00	6.3	16.7	10.4	0.00	0.00	0.00	1.4	SSW
7/31/2023 11:23:00	6.4	16.7	10.3	0.00	0.00	0.00	1.4	SW
7/31/2023 11:24:00	7.4	16.1	8.7	0.00	0.00	0.00	1.4	SE
7/31/2023 11:25:00	7.5	16.0	8.6	0.00	0.00	0.00	1.4	S
7/31/2023 11:26:00	8.3	15.1	6.8	0.00	0.00	0.00	1.4	E
7/31/2023 11:27:00	8.3	14.8	6.5	0.00	0.00	0.00	1.5	NE
7/31/2023 11:28:00	8.5	15.4	6.9	0.00	0.00	0.00	1.5	SE
7/31/2023 11:29:00	8.7	15.9	7.2	0.00	0.00	0.00	1.4	ESE
7/31/2023 11:30:00	10.2	15.4	5.2	0.00	0.00	0.00	1.4	SSW
7/31/2023 11:31:00	10.6	17.6	7.0	0.00	0.00	0.00	1.4	S
7/31/2023 11:32:00	11.4	18.8	7.4	0.00	0.00	0.00	1.4	S
7/31/2023 11:33:00	12.2	19.4	7.2	0.00	0.00	0.00	1.3	SSW
7/31/2023 11:34:00	12.4	19.8	7.4	0.00	0.00	0.00	1.3	SSW
7/31/2023 11:35:00	12.6	20.4	7.8	0.00	0.00	0.00	1.2	W
7/31/2023 11:36:00	12.8	20.4	7.6	0.00	0.00	0.00	1.2	S
7/31/2023 11:37:00	12.9	20.6	7.7	0.00	0.00	0.00	1.1	SW
7/31/2023 11:38:00	13.1	20.6	7.5	0.00	0.00	0.00	1.1	SSE
7/31/2023 11:39:00	12.6	20.9	8.3	0.00	0.00	0.00	1.1	SW
7/31/2023 11:40:00	12.6	20.9	8.2	0.00	0.00	0.00	1.1	SSW
7/31/2023 11:41:00	12.6	21.4	8.8	0.00	0.00	0.00	1.1	S
7/31/2023 11:42:00	12.7	21.8	9.2	0.00	0.00	0.00	1.1	N
7/31/2023 11:43:00	12.3	21.8	9.5	0.00	0.00	0.00	1.1	E
7/31/2023 11:44:00	12.2	21.0	8.8	0.00	0.00	0.00	1.1	S
7/31/2023 11:45:00	10.7	20.7	10.0	0.00	0.00	0.00	1.0	SW
7/31/2023 11:46:00	10.2	18.9	8.7	0.00	0.00	0.00	1.1	NW
7/31/2023 11:47:00	9.9	17.4	7.4	0.00	0.00	0.00	1.1	W
7/31/2023 11:48:00	9.4	16.8	7.5	0.00	0.00	0.00	1.1	WNW

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
7/31/2023 11:49:00	10.1	15.6	5.5	0.00	0.00	0.00	1.0	ESE
7/31/2023 11:50:00	10.3	14.4	4.1	0.00	0.00	0.00	1.0	E
7/31/2023 11:51:00	10.2	13.2	3.0	0.00	0.00	0.00	1.1	SE
7/31/2023 11:52:00	10.0	11.8	1.8	0.00	0.00	0.00	1.1	SE
7/31/2023 11:53:00	9.6	11.3	1.7	0.00	0.00	0.00	1.1	E
7/31/2023 11:54:00	9.1	10.9	1.8	0.00	0.00	0.00	1.1	ESE
7/31/2023 11:55:00	9.1	10.0	0.9	0.00	0.00	0.00	1.1	SE
7/31/2023 11:56:00	8.6	9.4	0.8	0.00	0.00	0.00	1.1	E
7/31/2023 11:57:00	8.4	8.4	0.0	0.00	0.00	0.00	1.1	SE
7/31/2023 11:58:00	8.3	7.8	-0.5	0.00	0.00	0.00	1.0	WSW
7/31/2023 11:59:00	8.0	7.8	-0.2	0.00	0.00	0.00	1.0	S
7/31/2023 12:00:00	8.0	7.9	-0.1	0.00	0.00	0.00	1.0	SSW
7/31/2023 12:01:00	7.5	7.6	0.0	0.00	0.00	0.00	0.9	NE
7/31/2023 12:02:00	7.0	7.3	0.3	0.00	0.00	0.00	0.9	SW
7/31/2023 12:03:00	6.8	6.5	-0.3	0.00	0.00	0.00	1.0	SSW
7/31/2023 12:04:00	5.8	6.5	0.7	0.00	0.00	0.00	1.1	SW
7/31/2023 12:05:00	5.4	6.6	1.2	0.00	0.00	0.00	1.1	SW
7/31/2023 12:06:00	5.1	6.6	1.4	0.00	0.00	0.00	1.1	SW
7/31/2023 12:07:00	4.9	6.1	1.3	0.00	0.00	0.00	1.1	W
7/31/2023 12:08:00	4.6	5.8	1.2	0.00	0.00	0.00	1.1	SSW
7/31/2023 12:09:00	4.5	6.0	1.5	0.00	0.00	0.00	1.1	S
7/31/2023 12:10:00	4.9	5.9	1.1	0.00	0.00	0.00	1.1	ESE
7/31/2023 12:11:00	5.0	5.9	0.9	0.00	0.00	0.00	1.0	SE
7/31/2023 12:12:00	4.8	6.0	1.2	0.00	0.00	0.00	1.1	S
7/31/2023 12:13:00	4.9	5.9	1.0	0.00	0.00	0.00	1.1	ESE
7/31/2023 12:14:00	5.0	5.6	0.6	0.00	0.00	0.00	1.1	ESE
7/31/2023 12:15:00	5.1	5.3	0.2	0.00	0.00	0.00	1.1	NE
7/31/2023 12:16:00	5.0	5.3	0.3	0.00	0.00	0.00	1.2	ESE
7/31/2023 12:17:00	5.2	5.2	0.0	0.00	0.00	0.00	1.2	ESE
7/31/2023 12:18:00	5.2	5.1	0.0	0.00	0.00	0.00	1.2	SW
7/31/2023 12:19:00	5.3	5.0	-0.3	0.00	0.00	0.00	1.1	ESE
7/31/2023 12:20:00	5.3	5.1	-0.2	0.00	0.00	0.00	1.1	SW
7/31/2023 12:21:00	5.4	5.2	-0.2	0.00	0.00	0.00	1.1	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
7/31/2023 12:22:00	5.7	5.0	-0.7	0.00	0.00	0.00	1.0	E
7/31/2023 12:23:00	6.0	4.7	-1.3	0.00	0.00	0.00	1.1	ESE
7/31/2023 12:24:00	6.2	4.4	-1.8	0.00	0.00	0.00	1.1	NE
7/31/2023 12:25:00	5.7	4.4	-1.3	0.00	0.00	0.00	1.2	E
7/31/2023 12:26:00	5.2	4.5	-0.7	0.00	0.00	0.00	1.4	E
7/31/2023 12:27:00	5.3	4.3	-1.0	0.00	0.00	0.00	1.6	E
7/31/2023 12:28:00	5.3	4.2	-1.1	0.00	0.00	0.00	1.6	ESE
7/31/2023 12:29:00	5.2	4.4	-0.9	0.00	0.00	0.00	1.6	S
7/31/2023 12:30:00	5.3	4.4	-0.8	0.00	0.00	0.00	1.6	SSE
7/31/2023 12:31:00	5.3	4.7	-0.6	0.00	0.00	0.00	1.5	W
7/31/2023 12:32:00	5.3	5.2	0.0	0.00	0.00	0.00	1.5	NW
7/31/2023 12:33:00	6.0	6.0	0.0	0.00	0.00	0.00	1.5	E
7/31/2023 12:34:00	6.5	8.7	2.2	0.00	0.00	0.00	1.5	NE
7/31/2023 12:35:00	7.0	10.2	3.2	0.00	0.00	0.00	1.5	NE
7/31/2023 12:36:00	7.5	11.6	4.2	0.00	0.00	0.00	1.5	NE
7/31/2023 12:37:00	7.8	13.0	5.2	0.00	0.00	0.00	1.6	ESE
7/31/2023 12:38:00	8.1	14.3	6.2	0.00	0.00	0.00	1.5	ENE
7/31/2023 12:39:00	8.3	15.4	7.2	0.00	0.00	0.00	1.5	ESE
7/31/2023 12:40:00	9.0	16.3	7.2	0.00	0.00	0.00	1.4	NNW
7/31/2023 12:41:00	11.3	18.0	6.7	0.00	0.00	0.00	1.3	NNE
7/31/2023 12:42:00	12.6	19.8	7.3	0.00	0.00	0.00	1.0	ENE
7/31/2023 12:43:00	13.4	20.7	7.3	0.00	0.00	0.00	1.0	E
7/31/2023 12:44:00	14.3	21.7	7.4	0.00	0.00	0.00	1.0	E
7/31/2023 12:45:00	15.4	22.1	6.7	0.00	0.00	0.00	1.0	SW
7/31/2023 12:46:00	15.5	23.2	7.7	0.00	0.00	0.00	1.0	ESE
7/31/2023 12:47:00	16.4	22.9	6.5	0.00	0.00	0.00	1.0	E
7/31/2023 12:48:00	16.9	22.2	5.3	0.00	0.00	0.00	1.0	NNW
7/31/2023 12:49:00	16.8	19.6	2.8	0.00	0.00	0.00	1.0	SE
7/31/2023 12:50:00	16.5	17.9	1.4	0.00	0.00	0.00	0.9	NNE
7/31/2023 12:51:00	16.6	16.9	0.3	0.00	0.00	0.00	0.9	NNE
7/31/2023 12:52:00	16.4	17.0	0.6	0.00	0.00	0.00	0.8	NNE
7/31/2023 12:53:00	16.4	17.4	1.1	0.00	0.00	0.00	0.9	ENE
7/31/2023 12:54:00	16.6	17.7	1.1	0.00	0.00	0.00	0.8	N

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
7/31/2023 12:55:00	18.6	17.2	-1.3	0.00	0.00	0.00	0.8	NW
7/31/2023 12:56:00	16.6	16.9	0.2	0.00	0.00	0.00	0.8	NNE
7/31/2023 12:57:00	16.4	16.1	-0.3	0.00	0.00	0.00	0.8	WNW
7/31/2023 12:58:00	15.9	16.3	0.5	0.00	0.00	0.00	0.9	E
7/31/2023 12:59:00	15.2	15.7	0.5	0.00	0.00	0.00	0.9	ESE
7/31/2023 13:00:00	14.1	15.4	1.3	0.00	0.00	0.00	0.9	ESE
7/31/2023 13:01:00	14.0	15.2	1.1	0.00	0.00	0.00	0.9	N
7/31/2023 13:02:00	14.1	15.3	1.3	0.00	0.00	0.00	0.9	SSE
7/31/2023 13:03:00	13.3	17.1	3.9	0.00	0.00	0.00	0.9	ENE
7/31/2023 13:04:00	15.8	17.9	2.1	0.00	0.00	0.00	1.0	NW
7/31/2023 13:05:00	17.0	19.4	2.4	0.00	0.00	0.00	1.0	NW
7/31/2023 13:06:00	17.8	19.7	1.9	0.00	0.00	0.00	1.0	SW
7/31/2023 13:07:00	18.6	18.8	0.2	0.00	0.00	0.00	1.1	SE
7/31/2023 13:08:00	19.2	17.5	-1.7	0.00	0.00	0.00	1.0	SSE
7/31/2023 13:09:00	19.6	16.7	-2.9	0.00	0.00	0.00	1.0	ESE
7/31/2023 13:10:00	17.5	17.0	-0.5	0.00	0.00	0.00	1.0	SSE
7/31/2023 13:11:00	17.8	16.6	-1.2	0.00	0.00	0.00	1.0	NW
7/31/2023 13:12:00	17.2	17.3	0.1	0.00	0.00	0.00	1.1	NNW
7/31/2023 13:13:00	17.6	16.8	-0.8	0.00	0.00	0.00	1.0	NNW
7/31/2023 13:14:00	18.1	17.1	-1.0	0.00	0.00	0.00	1.0	NNE
7/31/2023 13:15:00	19.3	17.7	-1.7	0.00	0.00	0.00	1.0	W
7/31/2023 13:16:00	19.8	19.6	-0.2	0.00	0.00	0.00	1.0	NE
7/31/2023 13:17:00	19.2	21.0	1.8	0.00	0.00	0.00	1.0	NE
7/31/2023 13:18:00	19.5	20.4	0.9	0.00	0.00	0.00	1.0	ESE
7/31/2023 13:19:00	17.8	20.3	2.5	0.00	0.00	0.00	1.0	NNW
7/31/2023 13:20:00	16.7	19.1	2.5	0.00	0.00	0.00	1.0	ESE
7/31/2023 13:21:00	15.7	18.6	3.0	0.00	0.00	0.00	1.0	S
7/31/2023 13:22:00	15.1	18.3	3.2	0.00	0.00	0.00	1.0	W
7/31/2023 13:23:00	14.4	18.3	3.9	0.00	0.00	0.00	1.0	SE
7/31/2023 13:24:00	14.0	18.3	4.3	0.00	0.00	0.00	1.1	NW
7/31/2023 13:25:00	13.8	17.9	4.1	0.00	0.00	0.00	1.1	NNW
7/31/2023 13:26:00	13.6	17.9	4.3	0.00	0.00	0.00	1.2	E
7/31/2023 13:27:00	13.7	16.8	3.2	0.00	0.00	0.00	1.3	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
7/31/2023 13:28:00	13.2	16.9	3.7	0.00	0.00	0.00	1.3	E
7/31/2023 13:29:00	12.9	16.6	3.7	0.00	0.00	0.00	1.3	NE
7/31/2023 13:30:00	12.6	16.6	4.0	0.00	0.00	0.00	1.3	SSW
7/31/2023 13:31:00	12.7	15.6	2.9	0.00	0.00	0.00	1.3	ENE
7/31/2023 13:32:00	12.6	15.5	2.9	0.00	0.00	0.00	1.4	N
7/31/2023 13:33:00	13.1	15.3	2.2	0.00	0.00	0.00	1.4	W
7/31/2023 13:34:00	13.1	15.7	2.6	0.00	0.00	0.00	1.4	WNW
7/31/2023 13:35:00	13.5	16.1	2.6	0.00	0.00	0.00	1.3	N
7/31/2023 13:36:00	14.0	16.4	2.3	0.00	0.00	0.00	1.3	W
7/31/2023 13:37:00	14.0	17.6	3.6	0.00	0.00	0.00	1.3	SE
7/31/2023 13:38:00	16.8	17.6	0.8	0.00	0.00	0.00	1.3	NW
7/31/2023 13:39:00	16.8	17.9	1.1	0.00	0.00	0.00	1.3	NNW
7/31/2023 13:40:00	16.9	18.1	1.2	0.00	0.00	0.00	1.3	S
7/31/2023 13:41:00	16.9	17.6	0.7	0.00	0.00	0.00	1.2	NNW
7/31/2023 13:42:00	16.8	17.4	0.6	0.00	0.00	0.00	1.1	NE
7/31/2023 13:43:00	16.6	17.3	0.7	0.00	0.00	0.00	1.0	E
7/31/2023 13:44:00	16.6	17.3	0.7	0.00	0.00	0.00	1.0	N
7/31/2023 13:45:00	16.3	16.9	0.7	0.00	0.00	0.00	1.0	NW
7/31/2023 13:46:00	16.1	15.5	-0.6	0.00	0.00	0.00	0.9	NE
7/31/2023 13:47:00	16.1	14.4	-1.6	0.00	0.00	0.00	0.9	SE
7/31/2023 13:48:00	15.2	13.6	-1.6	0.00	0.00	0.00	0.9	WSW
7/31/2023 13:49:00	14.3	12.8	-1.5	0.00	0.00	0.00	0.8	NE
7/31/2023 13:50:00	13.7	12.2	-1.5	0.00	0.00	0.00	0.9	ESE
7/31/2023 13:51:00	13.3	11.9	-1.4	0.00	0.00	0.00	0.9	WSW
7/31/2023 13:52:00	13.2	10.7	-2.5	0.00	0.00	0.00	0.9	NW
7/31/2023 13:53:00	10.9	11.0	0.1	0.00	0.00	0.00	0.9	SSW
7/31/2023 13:54:00	11.8	10.9	-0.9	0.00	0.00	0.00	0.9	SSE
7/31/2023 13:55:00	11.8	11.5	-0.3	0.00	0.00	0.00	0.8	WNW
7/31/2023 13:56:00	12.3	11.9	-0.4	0.00	0.00	0.00	0.8	NW
7/31/2023 13:57:00	12.9	12.1	-0.8	0.00	0.00	0.00	0.8	NW
7/31/2023 13:58:00	13.2	12.3	-0.9	0.00	0.01	0.00	0.8	ESE
7/31/2023 13:59:00	13.1	12.3	-0.8	0.00	0.01	0.01	0.9	SE
7/31/2023 14:00:00	12.6	12.2	-0.4	0.01	0.01	0.00	0.9	NW

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
7/31/2023 14:01:00	12.7	11.9	-0.8	0.01	0.03	0.01	0.9	N
7/31/2023 14:02:00	12.9	11.9	-0.9	0.02	0.03	0.00	0.9	NW
7/31/2023 14:03:00	13.3	12.3	-1.0	0.02	0.03	0.01	0.9	NE
7/31/2023 14:04:00	13.7	12.4	-1.4	0.02	0.03	0.01	0.9	ENE
7/31/2023 14:05:00	13.9	12.3	-1.6	0.02	0.04	0.01	0.9	SE
7/31/2023 14:06:00	13.9	13.3	-0.6	0.02	0.04	0.02	0.9	SE
7/31/2023 14:07:00	13.7	13.7	0.0	0.02	0.05	0.03	1.0	SE
7/31/2023 14:08:00	13.1	13.2	0.2	0.02	0.06	0.03	0.9	ESE
7/31/2023 14:09:00	12.0	12.9	0.9	0.02	0.05	0.03	0.9	SSW
7/31/2023 14:10:00	11.3	12.2	0.8	0.02	0.05	0.03	0.9	WNW
7/31/2023 14:11:00	10.3	11.7	1.4	0.02	0.05	0.03	0.9	NW
7/31/2023 14:12:00	9.9	11.9	2.0	0.02	0.05	0.04	0.9	NW
7/31/2023 14:13:00	10.0	12.3	2.3	0.02	0.05	0.03	0.8	WNW
7/31/2023 14:14:00	10.1	12.4	2.4	0.02	0.04	0.02	0.8	SE
7/31/2023 14:15:00	10.4	12.8	2.4	0.01	0.04	0.03	0.8	SE
7/31/2023 14:16:00	10.2	13.3	3.1	0.01	0.03	0.02	0.8	SSE
7/31/2023 14:17:00	10.7	13.4	2.7	0.00	0.03	0.03	0.7	W
7/31/2023 14:18:00	12.0	13.4	1.4	0.00	0.03	0.03	0.8	WNW
7/31/2023 14:19:00	13.0	14.0	1.0	0.00	0.02	0.02	0.7	NW
7/31/2023 14:20:00	13.5	14.7	1.2	0.00	0.02	0.02	0.7	NW
7/31/2023 14:21:00	13.8	14.7	0.9	0.00	0.02	0.02	0.7	WNW
7/31/2023 14:22:00	14.4	15.4	1.0	0.01	0.01	0.01	0.7	SE
7/31/2023 14:23:00	15.4	16.1	0.7	0.01	0.01	0.00	0.6	NW
7/31/2023 14:24:00	16.2	16.8	0.6	0.01	0.02	0.00	0.7	ESE
7/31/2023 14:25:00	17.3	18.6	1.3	0.02	0.02	-0.01	0.7	SW
7/31/2023 14:26:00	20.1	20.0	-0.1	0.03	0.02	-0.01	0.8	WSW
7/31/2023 14:27:00	20.4	20.5	0.1	0.04	0.03	-0.01	0.8	NNE
7/31/2023 14:28:00	20.5	20.4	-0.1	0.04	0.03	-0.01	0.8	W
7/31/2023 14:29:00	20.8	20.3	-0.5	0.04	0.03	-0.01	0.8	NNW
7/31/2023 14:30:00	20.8	20.2	-0.6	0.04	0.03	-0.01	0.8	SE
7/31/2023 14:31:00	21.7	19.9	-1.8	0.04	0.03	-0.01	0.8	WNW
7/31/2023 14:32:00	21.6	19.4	-2.2	0.04	0.03	-0.01	0.8	W
7/31/2023 14:33:00	20.2	19.1	-1.2	0.04	0.03	-0.01	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
7/31/2023 14:34:00	18.9	18.6	-0.3	0.04	0.03	-0.01	0.8	SE
7/31/2023 14:35:00	18.6	18.1	-0.5	0.04	0.03	-0.01	0.9	SE
7/31/2023 14:36:00	18.3	17.2	-1.1	0.04	0.03	-0.01	0.9	ESE
7/31/2023 14:37:00	17.6	16.1	-1.6	0.03	0.02	-0.01	0.9	WNW
7/31/2023 14:38:00	16.5	15.3	-1.2	0.03	0.02	-0.01	0.9	ENE
7/31/2023 14:39:00	15.8	14.7	-1.1	0.02	0.01	-0.01	1.0	NW
7/31/2023 14:40:00	14.9	12.8	-2.1	0.02	0.01	0.00	1.0	WNW
7/31/2023 14:41:00	12.3	11.2	-1.0	0.01	0.01	0.01	1.0	E
7/31/2023 14:42:00	11.6	10.2	-1.4	0.00	0.01	0.00	1.0	SW
7/31/2023 14:43:00	11.0	9.3	-1.7	0.00	0.01	0.00	1.1	SSE
7/31/2023 14:44:00				0.00	0.01	0.00	1.1	N
7/31/2023 14:45:00	4.4	6.6	2.2	0.01	0.00	0.00	1.1	NNW
7/31/2023 14:46:00	6.8	6.7	-0.1	0.00	0.01	0.00	1.1	NNE
7/31/2023 14:47:00	7.7	6.8	-0.9	0.00	0.01	0.00	1.1	SE
7/31/2023 14:48:00	7.0	11.2	4.2	0.00	0.01	0.00	1.1	WNW
7/31/2023 14:49:00	13.9	10.2	-3.7	0.00	0.01	0.00	1.1	ESE
7/31/2023 14:50:00	13.8	9.4	-4.4	0.00	0.01	0.01	1.2	ESE
7/31/2023 14:51:00	12.4	9.7	-2.7	0.01	0.01	0.00	1.2	WNW
7/31/2023 14:52:00	11.8	8.9	-2.9	0.01	0.01	0.01	1.2	SE
7/31/2023 14:53:00	11.7	8.7	-3.0	0.01	0.01	0.01	1.2	SSE
7/31/2023 14:54:00	11.5	8.4	-3.1	0.01	0.01	0.01	1.1	ENE
7/31/2023 14:55:00	10.9	8.6	-2.3	0.01	0.01	0.01	1.0	WNW
7/31/2023 14:56:00	11.1	8.3	-2.9	0.01	0.01	0.01	1.0	N
7/31/2023 14:57:00	11.0	7.9	-3.1	0.01	0.01	0.01	0.9	NNE
7/31/2023 14:58:00	11.0	7.7	-3.3	0.01	0.01	0.01	0.9	E
7/31/2023 14:59:00	10.5	7.7	-2.8	0.01	0.01	0.01	1.0	WSW
7/31/2023 15:00:00	10.6	7.8	-2.8	0.00	0.01	0.01	0.9	WNW
7/31/2023 15:01:00	10.6	7.7	-2.9	0.00	0.01	0.01	1.0	SE
7/31/2023 15:02:00	10.3	7.8	-2.5	0.00	0.01	0.01	1.0	NW
7/31/2023 15:03:00	10.6	6.5	-4.2	0.00	0.01	0.01	1.0	ESE
7/31/2023 15:04:00	8.1	6.6	-1.5	0.00	0.01	0.01	1.0	NW
7/31/2023 15:05:00	7.8	6.5	-1.3	0.00	0.01	0.00	1.0	N
7/31/2023 15:06:00	8.1	6.1	-2.0	0.00	0.01	0.01	1.0	NE

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
7/31/2023 15:07:00	8.1	6.2	-1.9	0.00	0.00	0.00	1.0	N
7/31/2023 15:08:00	8.1	6.1	-1.9	0.00	0.00	0.00	1.0	SSE
7/31/2023 15:09:00	8.8	6.1	-2.7	0.00	0.00	0.00	1.1	N
7/31/2023 15:10:00	9.0	5.6	-3.4	0.00	0.00	0.00	1.0	ESE
7/31/2023 15:11:00	8.6	5.6	-3.0	0.00	0.01	0.01	1.1	N
7/31/2023 15:12:00	8.3	5.9	-2.4	0.00	0.01	0.01	1.1	NW
7/31/2023 15:13:00	7.9	6.5	-1.4	0.00	0.01	0.01	1.1	NW
7/31/2023 15:14:00	8.0	6.5	-1.4	0.00	0.01	0.01	1.1	WSW