

**DAILY FIELD REPORT 075**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	September 21, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	7:00 am to 4:45 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:**

Caitlyn Dempsey (Environmental)

Xianglei Zheng (Geotechnical)

**Work Activities Performed:**

- Urban graded an about 100-foot-long by 100-foot-wide area of soil/fill in the central part of waste characterization grids WC02 and WC03 and an about 50-foot-long by 50-foot-wide area in the northwestern part of waste characterization grid WC02 to prepare for equipment mobilization.
- 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 drilled two rock sockets for two caissons in the northern part of the site.
- Urban advanced one casing for one caisson Urban's Custom Drill Rig in the northwestern part of the site.
- Urban installed reinforcement, placed grout, and completed caisson installation of two caissons in the central 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)
	90	1,800	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.

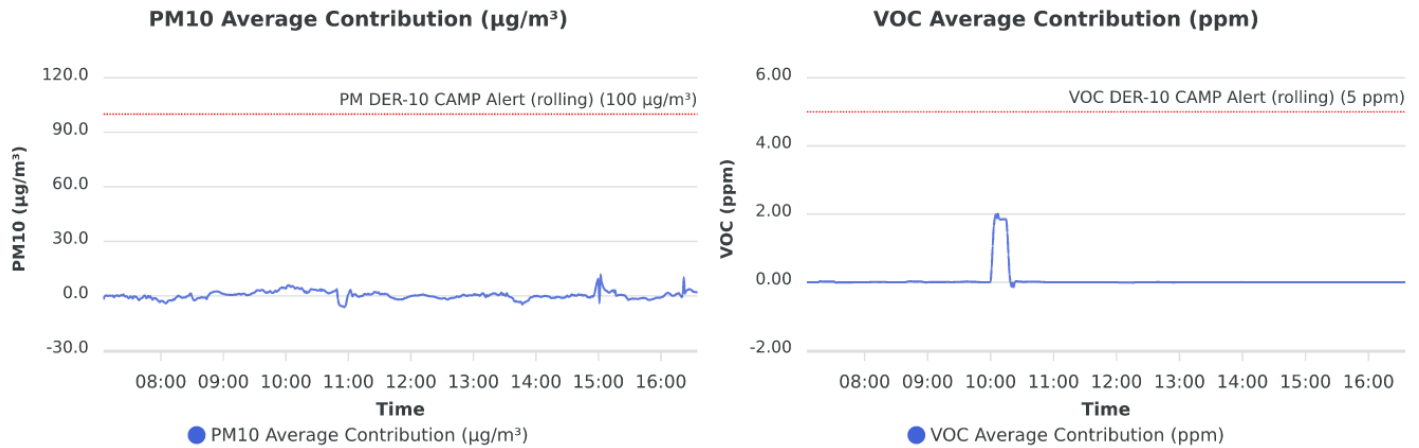
**Air Monitoring:**

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> or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m <sup>3</sup> )		Organic Vapor Monitoring (ppm)	
Daily Background	4.6	Daily Background	0.00
0PM10 Average Site Contribution (Minimum)	-6.2	VOC Average Site Contribution (Minimum)	-0.15
PM10 Average Site Contribution (Maximum)	11.8	VOC Average Site Contribution (Maximum)	2.01

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

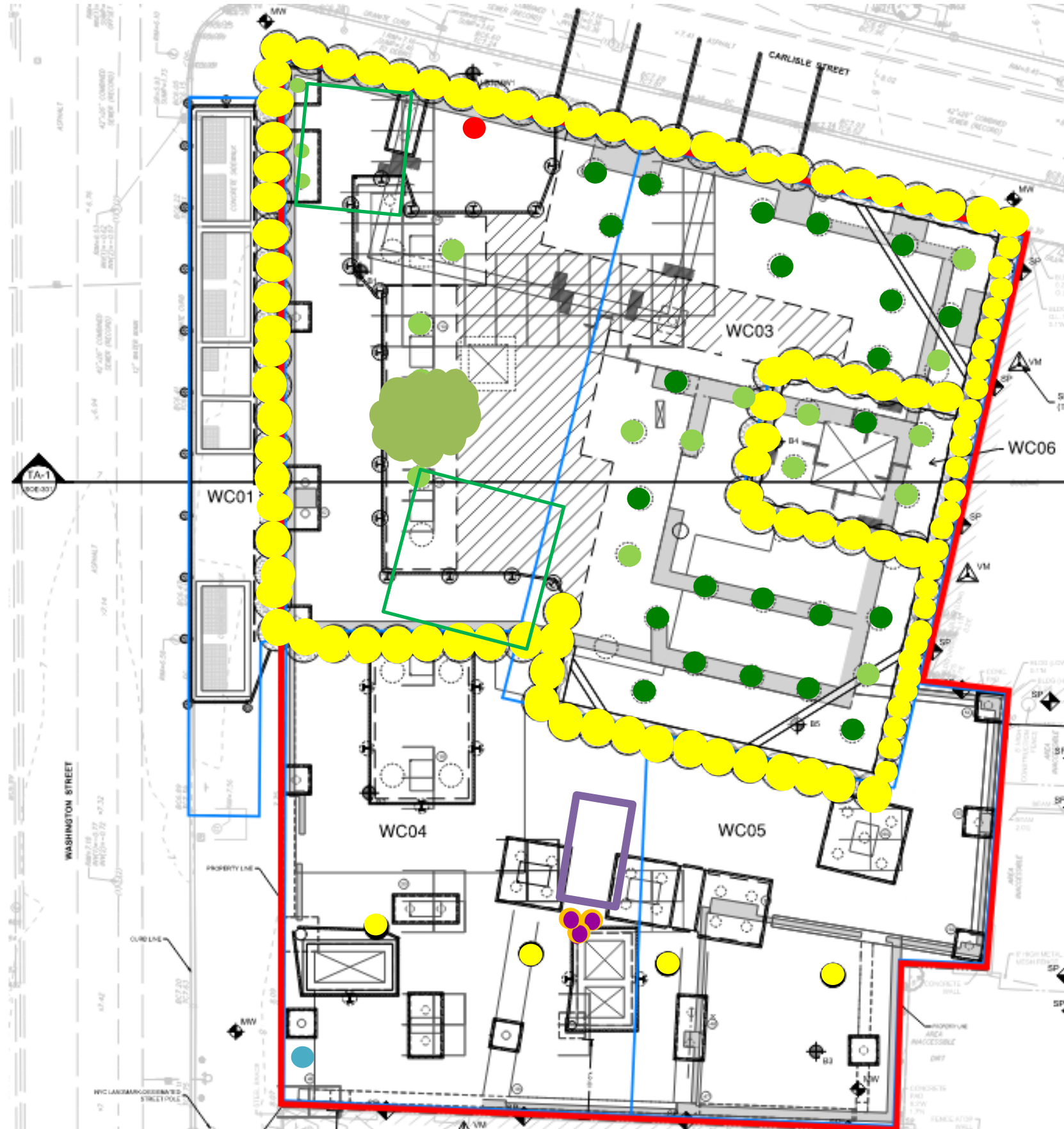
ppm: parts per million.



**Planned Activities:**

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

**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**
- Installed Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil**
- Completed Soil-Mix Core**
- 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 new Urban grading soil/fill in the northwestern part of WC02 (facing east).



**Photo 2:** View of the northeastern part of the site4 (facing northeast).



**Photo 3:** View of CAMP Station 2 in the southwestern part of the site (facing northeast).

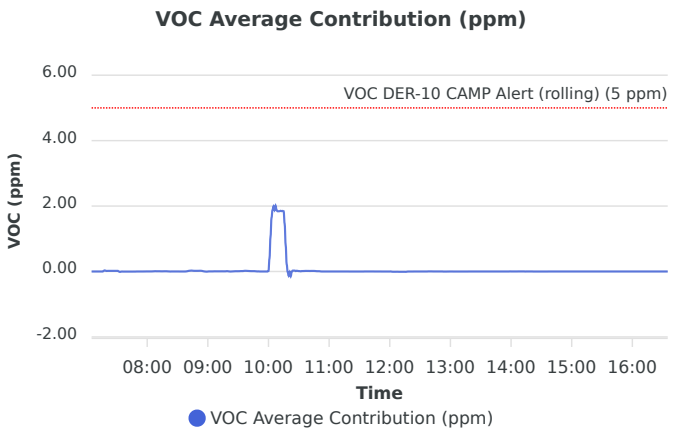
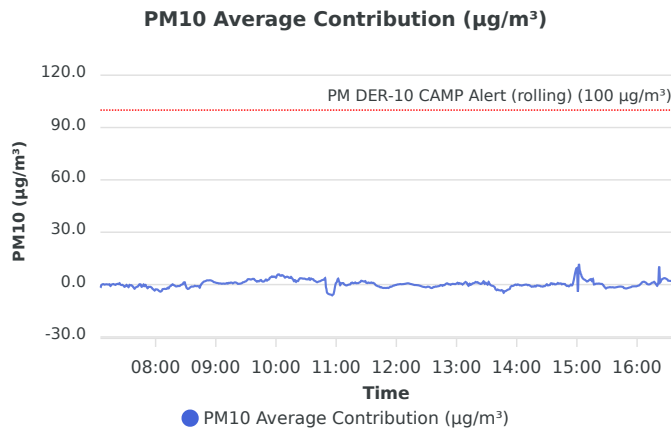




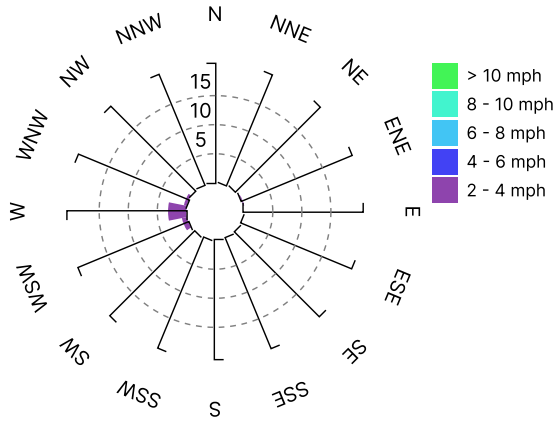
<h1>LANGAN</h1>	<h2>Air Monitoring Report</h2>	170695201 - 111 Washington St	
		Report Period	
		From:	9/21/2023 00:00
		To:	9/21/2023 22:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
9/21/2023	0.4-2.9	W

Daily Monitoring Summary	PM10 ( $\mu\text{g}/\text{m}^3$ )	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 9/21/2023	-6.2	10:56	-0.15	10:22
Max Contribution (15 min avg.) - 9/21/2023	11.8	15:02	2.01	10:07



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
9/21/2023 07:05:00	4.6	2.8	-1.8	0.00	0.00	0.00	1.5	E
9/21/2023 07:06:00	3.7	3.5	-0.2	0.00	0.00	0.00	1.3	WSW
9/21/2023 07:07:00	3.3	3.5	0.2	0.00	0.00	0.00	1.2	S
9/21/2023 07:08:00	3.3	3.6	0.3	0.00	0.00	0.00	1.2	SSE
9/21/2023 07:09:00	3.4	3.3	0.0	0.00	0.00	0.00	1.2	SE
9/21/2023 07:10:00	3.2	3.3	0.1	0.00	0.00	0.00	1.1	S
9/21/2023 07:11:00	3.1	3.3	0.2	0.00	0.00	0.00	1.1	WSW
9/21/2023 07:12:00	3.2	3.3	0.1	0.00	0.00	0.00	1.2	N
9/21/2023 07:13:00	3.2	3.2	0.0	0.00	0.00	0.00	1.1	ESE
9/21/2023 07:14:00	3.1	3.3	0.2	0.00	0.00	0.00	1.2	NW
9/21/2023 07:15:00	4.1	3.3	-0.8	0.00	0.00	0.00	1.1	WNW
9/21/2023 07:16:00	4.3	4.2	-0.1	0.00	0.00	0.00	1.1	WSW
9/21/2023 07:17:00	4.5	4.7	0.2	0.00	0.02	0.02	1.1	W
9/21/2023 07:18:00	4.7	5.0	0.3	0.00	0.03	0.03	1.1	W
9/21/2023 07:19:00	4.9	5.0	0.0	0.01	0.03	0.02	1.1	NNE
9/21/2023 07:20:00	5.1	4.9	-0.2	0.01	0.03	0.02	1.1	E
9/21/2023 07:21:00	5.1	5.4	0.2	0.01	0.03	0.02	1.1	W
9/21/2023 07:22:00	5.1	5.5	0.4	0.01	0.03	0.02	1.1	W
9/21/2023 07:23:00	5.3	5.6	0.3	0.01	0.03	0.02	1.1	W
9/21/2023 07:24:00	5.4	6.2	0.8	0.01	0.03	0.02	1.1	NW
9/21/2023 07:25:00	6.3	6.3	-0.1	0.01	0.03	0.02	1.1	W
9/21/2023 07:26:00	6.6	6.4	-0.3	0.01	0.03	0.02	1.1	W
9/21/2023 07:27:00	6.9	6.7	-0.2	0.01	0.03	0.02	1.1	NNE
9/21/2023 07:28:00	7.5	6.8	-0.7	0.01	0.03	0.02	1.1	NNE
9/21/2023 07:29:00	8.0	6.7	-1.3	0.01	0.03	0.02	1.1	NNW
9/21/2023 07:30:00	7.7	6.7	-1.0	0.01	0.03	0.02	1.2	WNW
9/21/2023 07:31:00	7.7	7.5	-0.2	0.01	0.03	0.02	1.2	WSW
9/21/2023 07:32:00	8.1	7.3	-0.7	0.02	0.01	0.00	1.2	ESE
9/21/2023 07:33:00	8.8	7.4	-1.5	0.02	0.00	-0.01	1.2	WSW
9/21/2023 07:34:00	9.1	8.9	-0.2	0.01	0.00	-0.01	1.2	E
9/21/2023 07:35:00	9.4	9.0	-0.4	0.01	0.00	0.00	1.2	NNE
9/21/2023 07:36:00	9.5	9.1	-0.4	0.01	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
9/21/2023 07:37:00	9.9	8.9	-0.9	0.01	0.00	0.00	1.2	N
9/21/2023 07:38:00	10.4	8.8	-1.6	0.01	0.00	0.00	1.1	N
9/21/2023 07:39:00	10.7	8.3	-2.4	0.01	0.00	0.00	1.1	ENE
9/21/2023 07:40:00	9.9	8.2	-1.7	0.01	0.00	0.00	1.1	NE
9/21/2023 07:41:00	9.7	8.3	-1.3	0.01	0.00	0.00	1.1	W
9/21/2023 07:42:00	9.5	8.3	-1.2	0.01	0.00	0.00	1.1	SSE
9/21/2023 07:43:00	9.2	8.7	-0.6	0.01	0.00	0.00	1.2	ESE
9/21/2023 07:44:00	9.1	9.2	0.2	0.01	0.00	0.00	1.1	ENE
9/21/2023 07:45:00	9.1	9.2	0.1	0.01	0.00	0.00	1.1	E
9/21/2023 07:46:00	9.3	8.1	-1.3	0.01	0.00	0.00	1.1	SSE
9/21/2023 07:47:00	9.1	8.1	-1.0	0.00	0.00	0.00	1.1	NW
9/21/2023 07:48:00	8.2	8.3	0.1	0.00	0.00	0.00	1.1	S
9/21/2023 07:49:00	7.8	6.9	-0.9	0.00	0.00	0.00	1.0	SE
9/21/2023 07:50:00	7.3	7.1	-0.2	0.00	0.00	0.00	1.0	NE
9/21/2023 07:51:00	8.1	6.8	-1.3	0.00	0.00	0.00	1.0	NW
9/21/2023 07:52:00	9.0	6.9	-2.1	0.00	0.00	0.00	1.0	W
9/21/2023 07:53:00	8.3	7.0	-1.3	0.00	0.00	0.00	1.1	NW
9/21/2023 07:54:00	8.4	7.1	-1.3	0.00	0.00	0.00	1.1	W
9/21/2023 07:55:00	8.4	7.1	-1.3	0.00	0.00	0.00	1.2	WNW
9/21/2023 07:56:00	8.7	7.0	-1.7	0.00	0.00	0.00	1.2	W
9/21/2023 07:57:00	9.2	6.8	-2.4	0.00	0.00	0.00	1.2	W
9/21/2023 07:58:00	9.3	6.4	-2.9	0.00	0.00	0.00	1.4	WSW
9/21/2023 07:59:00	9.4	6.0	-3.4	0.00	0.00	0.00	1.4	W
9/21/2023 08:00:00	9.0	6.3	-2.7	0.00	0.00	0.00	1.4	E
9/21/2023 08:01:00	9.1	6.3	-2.8	0.00	0.00	0.00	1.5	NNW
9/21/2023 08:02:00	9.3	6.4	-2.9	0.00	0.00	0.00	1.6	W
9/21/2023 08:03:00	9.5	6.1	-3.4	0.00	0.00	0.00	1.6	WNW
9/21/2023 08:04:00	9.9	6.0	-3.9	0.00	0.00	0.00	1.7	W
9/21/2023 08:05:00	9.9	5.9	-4.0	0.00	0.00	0.00	1.7	W
9/21/2023 08:06:00	9.5	5.8	-3.7	0.00	0.01	0.01	1.8	W
9/21/2023 08:07:00	8.3	5.7	-2.6	0.00	0.01	0.01	1.8	WSW
9/21/2023 08:08:00	8.3	5.7	-2.5	0.00	0.01	0.01	1.8	WNW
9/21/2023 08:09:00	8.1	5.6	-2.4	0.00	0.01	0.01	1.9	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
9/21/2023 08:10:00	8.1	5.6	-2.5	0.00	0.01	0.01	1.8	NE
9/21/2023 08:11:00	7.9	5.5	-2.5	0.00	0.01	0.01	1.8	ENE
9/21/2023 08:12:00	7.3	5.5	-1.8	0.00	0.01	0.01	1.8	W
9/21/2023 08:13:00	7.5	5.4	-2.2	0.00	0.01	0.01	1.7	ESE
9/21/2023 08:14:00	7.2	6.0	-1.1	0.00	0.01	0.01	1.7	W
9/21/2023 08:15:00	7.0	6.2	-0.8	0.00	0.01	0.01	1.7	WSW
9/21/2023 08:16:00	6.5	6.3	-0.2	0.00	0.01	0.01	1.7	W
9/21/2023 08:17:00	5.8	6.0	0.1	0.00	0.01	0.01	1.6	SSW
9/21/2023 08:18:00	6.0	5.7	-0.3	0.00	0.01	0.01	1.6	E
9/21/2023 08:19:00	6.0	5.5	-0.5	0.00	0.01	0.01	1.6	ESE
9/21/2023 08:20:00	6.2	5.2	-1.0	0.00	0.01	0.01	1.6	E
9/21/2023 08:21:00	6.1	5.0	-1.1	0.00	0.01	0.00	1.5	ENE
9/21/2023 08:22:00	6.0	5.1	-0.8	0.00	0.00	0.00	1.5	W
9/21/2023 08:23:00	6.0	5.2	-0.9	0.00	0.00	0.00	1.5	W
9/21/2023 08:24:00	6.0	5.2	-0.8	0.00	0.00	0.00	1.5	E
9/21/2023 08:25:00	5.9	5.6	-0.3	0.00	0.00	0.00	1.4	W
9/21/2023 08:26:00	5.8	5.8	0.0	0.00	0.00	0.00	1.4	WNW
9/21/2023 08:27:00	5.8	6.0	0.1	0.00	0.00	0.00	1.3	WNW
9/21/2023 08:28:00	5.3	6.5	1.2	0.00	0.00	0.00	1.3	W
9/21/2023 08:29:00	5.3	6.7	1.3	0.00	0.00	0.00	1.3	SSE
9/21/2023 08:30:00	6.9	6.3	-0.6	0.00	0.00	0.00	1.3	ENE
9/21/2023 08:31:00	7.9	5.9	-2.0	0.00	0.00	0.00	1.3	E
9/21/2023 08:32:00	8.4	5.9	-2.5	0.00	0.00	0.00	1.2	NNE
9/21/2023 08:33:00	8.3	5.9	-2.4	0.00	0.00	0.00	1.3	ENE
9/21/2023 08:34:00	7.9	6.1	-1.9	0.00	0.00	0.00	1.3	NNE
9/21/2023 08:35:00	7.6	6.3	-1.4	0.00	0.00	0.00	1.3	W
9/21/2023 08:36:00	7.5	6.4	-1.1	0.00	0.00	0.00	1.4	WNW
9/21/2023 08:37:00	7.5	6.3	-1.2	0.00	0.00	0.00	1.4	WSW
9/21/2023 08:38:00	7.3	6.3	-1.1	0.00	0.00	0.00	1.4	WSW
9/21/2023 08:39:00	7.0	6.3	-0.7	0.00	0.01	0.01	1.4	W
9/21/2023 08:40:00	6.9	6.1	-0.9	0.00	0.01	0.01	1.5	WSW
9/21/2023 08:41:00	6.9	5.9	-0.9	0.00	0.02	0.02	1.4	NW
9/21/2023 08:42:00	6.8	6.0	-0.9	0.00	0.02	0.02	1.5	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
9/21/2023 08:43:00	6.7	5.7	-1.0	0.00	0.03	0.03	1.6	WNW
9/21/2023 08:44:00	6.7	4.9	-1.8	0.00	0.03	0.03	1.6	W
9/21/2023 08:45:00	5.1	4.8	-0.3	0.01	0.03	0.02	1.6	WSW
9/21/2023 08:46:00	4.4	5.0	0.5	0.01	0.03	0.02	1.6	W
9/21/2023 08:47:00	3.9	5.0	1.1	0.01	0.03	0.02	1.6	WNW
9/21/2023 08:48:00	3.4	5.1	1.7	0.01	0.03	0.02	1.7	W
9/21/2023 08:49:00	3.1	5.0	1.9	0.01	0.03	0.02	1.8	WNW
9/21/2023 08:50:00	3.0	5.0	2.1	0.01	0.03	0.02	1.7	W
9/21/2023 08:51:00	2.9	5.3	2.4	0.01	0.03	0.02	1.7	W
9/21/2023 08:52:00	2.9	5.3	2.4	0.01	0.03	0.02	1.7	W
9/21/2023 08:53:00	2.9	5.3	2.4	0.01	0.03	0.02	1.7	W
9/21/2023 08:54:00	3.0	5.5	2.5	0.01	0.03	0.02	1.7	WSW
9/21/2023 08:55:00	3.2	5.6	2.4	0.01	0.02	0.01	1.7	WNW
9/21/2023 08:56:00	3.5	5.7	2.2	0.01	0.02	0.01	1.7	W
9/21/2023 08:57:00	3.7	5.6	1.9	0.01	0.01	0.00	1.7	W
9/21/2023 08:58:00	4.1	5.5	1.4	0.01	0.01	0.00	1.7	W
9/21/2023 08:59:00	4.3	5.6	1.3	0.01	0.01	-0.01	1.7	NW
9/21/2023 09:00:00	4.4	5.5	1.1	0.01	0.01	0.00	1.7	NNW
9/21/2023 09:01:00	4.3	5.3	0.9	0.00	0.00	0.00	1.7	ENE
9/21/2023 09:02:00	4.4	5.3	0.9	0.00	0.00	0.00	1.8	WNW
9/21/2023 09:03:00	4.5	5.1	0.6	0.00	0.00	0.00	1.7	ENE
9/21/2023 09:04:00	4.5	5.2	0.7	0.00	0.00	0.00	1.6	WSW
9/21/2023 09:05:00	4.5	5.1	0.6	0.00	0.00	0.00	1.7	W
9/21/2023 09:06:00	4.4	4.9	0.5	0.00	0.01	0.01	1.6	W
9/21/2023 09:07:00	4.4	5.0	0.6	0.00	0.01	0.01	1.6	WNW
9/21/2023 09:08:00	4.4	5.0	0.6	0.00	0.01	0.01	1.6	W
9/21/2023 09:09:00	4.3	4.8	0.5	0.00	0.01	0.01	1.5	WNW
9/21/2023 09:10:00	4.1	4.7	0.6	0.00	0.01	0.01	1.5	WNW
9/21/2023 09:11:00	3.8	4.6	0.8	0.00	0.01	0.01	1.5	SW
9/21/2023 09:12:00	3.8	4.4	0.6	0.00	0.01	0.01	1.5	E
9/21/2023 09:13:00	3.4	4.4	1.0	0.00	0.01	0.01	1.4	SW
9/21/2023 09:14:00	3.3	4.2	0.9	0.00	0.01	0.01	1.4	NW
9/21/2023 09:15:00	3.1	4.3	1.2	0.00	0.01	0.01	1.4	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
9/21/2023 09:16:00	3.1	4.2	1.1	0.00	0.01	0.01	1.4	NW
9/21/2023 09:17:00	3.3	4.0	0.7	0.00	0.01	0.01	1.4	NE
9/21/2023 09:18:00	3.3	4.3	1.1	0.00	0.01	0.01	1.4	W
9/21/2023 09:19:00	3.4	4.6	1.3	0.00	0.01	0.01	1.4	WSW
9/21/2023 09:20:00	3.6	4.8	1.2	0.01	0.01	0.01	1.4	SE
9/21/2023 09:21:00	3.9	4.8	0.9	0.01	0.01	0.00	1.4	NNE
9/21/2023 09:22:00	4.2	4.6	0.4	0.01	0.01	0.00	1.3	NW
9/21/2023 09:23:00	4.3	4.8	0.5	0.01	0.01	0.00	1.4	W
9/21/2023 09:24:00	4.3	4.8	0.5	0.01	0.01	0.00	1.4	SW
9/21/2023 09:25:00	4.4	5.0	0.6	0.01	0.01	0.00	1.4	WSW
9/21/2023 09:26:00	4.5	5.3	0.8	0.01	0.02	0.01	1.5	W
9/21/2023 09:27:00	4.3	5.6	1.3	0.01	0.02	0.01	1.5	W
9/21/2023 09:28:00	4.3	5.7	1.4	0.01	0.02	0.01	1.5	W
9/21/2023 09:29:00	4.3	6.0	1.7	0.01	0.02	0.01	1.5	W
9/21/2023 09:30:00	4.4	6.2	1.9	0.01	0.02	0.01	1.5	W
9/21/2023 09:31:00	4.2	6.6	2.4	0.01	0.02	0.01	1.5	SW
9/21/2023 09:32:00	4.0	7.0	3.1	0.01	0.02	0.01	1.5	W
9/21/2023 09:33:00	4.0	7.2	3.1	0.01	0.02	0.01	1.6	W
9/21/2023 09:34:00	4.0	7.0	3.0	0.01	0.02	0.01	1.6	W
9/21/2023 09:35:00	3.9	6.8	2.9	0.01	0.02	0.01	1.6	NW
9/21/2023 09:36:00	3.8	6.8	3.1	0.00	0.02	0.02	1.6	W
9/21/2023 09:37:00	3.6	6.9	3.3	0.00	0.02	0.02	1.6	WNW
9/21/2023 09:38:00	3.7	7.0	3.2	0.00	0.02	0.02	1.6	WNW
9/21/2023 09:39:00	4.2	6.8	2.6	0.00	0.02	0.02	1.5	NE
9/21/2023 09:40:00	4.5	6.6	2.1	0.00	0.02	0.02	1.5	NNW
9/21/2023 09:41:00	4.6	6.3	1.7	0.00	0.02	0.01	1.5	E
9/21/2023 09:42:00	4.7	6.7	2.0	0.00	0.01	0.01	1.5	W
9/21/2023 09:43:00	4.8	6.6	1.8	0.00	0.01	0.01	1.6	W
9/21/2023 09:44:00	4.8	7.2	2.4	0.00	0.01	0.01	1.6	SW
9/21/2023 09:45:00	4.7	7.4	2.6	0.00	0.01	0.01	1.6	WSW
9/21/2023 09:46:00	5.1	7.0	1.9	0.00	0.01	0.01	1.6	N
9/21/2023 09:47:00	5.1	6.8	1.7	0.00	0.01	0.01	1.6	W
9/21/2023 09:48:00	5.0	6.8	1.8	0.00	0.01	0.01	1.5	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
9/21/2023 09:49:00	5.0	7.3	2.3	0.00	0.00	0.00	1.4	SW
9/21/2023 09:50:00	4.7	7.6	2.9	0.00	0.00	0.00	1.6	W
9/21/2023 09:51:00	5.2	7.5	2.3	0.00	0.00	0.00	1.5	ENE
9/21/2023 09:52:00	5.0	7.7	2.7	0.00	0.00	0.00	1.6	WNW
9/21/2023 09:53:00	4.8	7.8	3.0	0.00	0.00	0.00	1.6	SW
9/21/2023 09:54:00	4.2	8.1	3.9	0.00	0.00	0.00	1.7	WSW
9/21/2023 09:55:00	3.9	8.2	4.3	0.00	0.00	0.00	1.7	W
9/21/2023 09:56:00	3.7	8.4	4.7	0.00	0.00	0.00	1.7	WNW
9/21/2023 09:57:00	3.7	8.0	4.4	0.00	0.00	0.00	1.7	W
9/21/2023 09:58:00	3.5	8.2	4.6	0.00	0.00	0.00	1.6	WSW
9/21/2023 09:59:00	3.4	7.7	4.3	0.00	0.00	0.00	1.7	W
9/21/2023 10:00:00	3.3	7.3	4.0	0.00	0.02	0.02	1.7	WSW
9/21/2023 10:01:00	2.9	8.2	5.3	0.00	0.40	0.40	1.7	SW
9/21/2023 10:02:00	3.0	8.8	5.8	0.00	1.06	1.06	1.7	S
9/21/2023 10:03:00	3.1	9.0	5.8	0.00	1.64	1.64	1.7	SW
9/21/2023 10:04:00	3.3	8.5	5.2	0.00	1.88	1.88	1.7	WNW
9/21/2023 10:05:00	3.4	8.5	5.0	0.00	1.99	1.99	1.6	W
9/21/2023 10:06:00	3.3	8.7	5.4	0.12	1.99	1.88	1.6	NNE
9/21/2023 10:07:00	3.5	8.7	5.2	0.12	2.13	2.01	1.5	NW
9/21/2023 10:08:00	3.9	8.6	4.7	0.26	2.13	1.87	1.5	SE
9/21/2023 10:09:00	4.4	8.3	4.0	0.29	2.13	1.84	1.4	ESE
9/21/2023 10:10:00	4.6	8.9	4.3	0.29	2.13	1.84	1.3	WSW
9/21/2023 10:11:00	4.7	9.2	4.5	0.29	2.13	1.84	1.4	W
9/21/2023 10:12:00	5.0	9.3	4.4	0.29	2.15	1.85	1.4	WSW
9/21/2023 10:13:00	5.4	9.3	3.9	0.30	2.15	1.84	1.4	ENE
9/21/2023 10:14:00	5.7	9.5	3.9	0.30	2.15	1.85	1.3	SSW
9/21/2023 10:15:00	5.7	10.1	4.4	0.30	2.14	1.84	1.3	WNW
9/21/2023 10:16:00	5.8	9.4	3.6	0.30	1.76	1.46	1.3	W
9/21/2023 10:17:00	6.0	8.9	2.9	0.30	1.11	0.81	1.4	WSW
9/21/2023 10:18:00	6.6	8.5	1.9	0.30	0.53	0.22	1.3	SE
9/21/2023 10:19:00	6.5	9.0	2.5	0.30	0.29	-0.02	1.3	SSW
9/21/2023 10:20:00	7.1	8.7	1.5	0.31	0.17	-0.13	1.3	NNW
9/21/2023 10:21:00	7.0	9.0	2.1	0.19	0.18	-0.01	1.4	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
9/21/2023 10:22:00	6.9	8.9	2.0	0.19	0.04	-0.15	1.4	WSW
9/21/2023 10:23:00	6.8	9.9	3.1	0.05	0.04	-0.01	1.4	SW
9/21/2023 10:24:00	6.7	10.3	3.6	0.02	0.04	0.03	1.4	WSW
9/21/2023 10:25:00	6.8	10.4	3.6	0.02	0.04	0.03	1.5	W
9/21/2023 10:26:00	7.0	10.5	3.5	0.02	0.04	0.03	1.5	SW
9/21/2023 10:27:00	7.1	10.4	3.4	0.02	0.03	0.01	1.4	ENE
9/21/2023 10:28:00	7.0	10.5	3.5	0.01	0.03	0.02	1.4	W
9/21/2023 10:29:00	7.0	10.3	3.3	0.01	0.03	0.02	1.3	WNW
9/21/2023 10:30:00	7.1	10.2	3.0	0.01	0.02	0.01	1.3	S
9/21/2023 10:31:00	7.3	10.3	3.0	0.01	0.02	0.01	1.3	WSW
9/21/2023 10:32:00	7.2	10.2	3.0	0.01	0.01	0.01	1.2	WSW
9/21/2023 10:33:00	6.6	10.2	3.7	0.00	0.02	0.01	1.2	SE
9/21/2023 10:34:00	6.8	9.6	2.7	0.00	0.02	0.01	1.2	N
9/21/2023 10:35:00	6.3	9.7	3.5	0.00	0.02	0.01	1.2	W
9/21/2023 10:36:00	6.2	9.3	3.1	0.00	0.02	0.02	1.3	W
9/21/2023 10:37:00	6.1	9.2	3.1	0.00	0.02	0.02	1.3	SSW
9/21/2023 10:38:00	5.9	8.2	2.3	0.00	0.02	0.02	1.3	S
9/21/2023 10:39:00	5.6	7.7	2.1	0.00	0.02	0.02	1.3	W
9/21/2023 10:40:00	5.4	7.1	1.7	0.00	0.02	0.02	1.2	WSW
9/21/2023 10:41:00	5.3	6.6	1.3	0.00	0.02	0.01	1.2	WSW
9/21/2023 10:42:00	4.9	6.5	1.6	0.00	0.02	0.02	1.4	W
9/21/2023 10:43:00	4.5	6.3	1.8	0.00	0.02	0.02	1.4	W
9/21/2023 10:44:00	4.4	6.3	1.9	0.00	0.02	0.02	1.4	SW
9/21/2023 10:45:00	4.3	6.6	2.3	0.00	0.02	0.02	1.4	WSW
9/21/2023 10:46:00	4.1	6.7	2.6	0.00	0.01	0.01	1.4	W
9/21/2023 10:47:00	4.1	6.8	2.7	0.00	0.01	0.01	1.4	WNW
9/21/2023 10:48:00	4.2	7.2	3.0	0.00	0.01	0.01	1.5	WSW
9/21/2023 10:49:00	4.1	7.8	3.7	0.00	0.01	0.01	1.5	W
9/21/2023 10:50:00	9.9	7.9	-2.0	0.00	0.01	0.01	1.4	NE
9/21/2023 10:51:00	12.7	8.0	-4.7	0.00	0.01	0.01	1.3	N
9/21/2023 10:52:00	13.6	8.3	-5.3	0.00	0.00	0.00	1.3	E
9/21/2023 10:53:00	14.0	8.5	-5.5	0.00	0.00	0.00	1.2	E
9/21/2023 10:54:00	14.4	8.7	-5.7	0.00	0.00	0.00	1.2	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
9/21/2023 10:55:00	14.6	8.8	-5.8	0.00	0.00	0.00	1.1	WNW
9/21/2023 10:56:00	15.1	8.9	-6.2	0.00	0.00	0.00	1.1	WNW
9/21/2023 10:57:00	15.8	10.1	-5.7	0.00	0.00	0.00	0.9	SSW
9/21/2023 10:58:00				0.00	0.00	0.00	0.9	E
9/21/2023 10:59:00				0.00	0.00	0.00	0.8	NW
9/21/2023 11:00:00	8.8	9.8	0.9	0.00	0.00	0.00	0.8	SSW
9/21/2023 11:01:00				0.00	0.00	0.00	0.8	WSW
9/21/2023 11:02:00	10.5	13.9	3.4	0.00	0.00	0.00	0.7	WSW
9/21/2023 11:03:00	11.7	13.4	1.6	0.00	0.00	0.00	0.7	W
9/21/2023 11:04:00	12.8	12.5	-0.3	0.00	0.00	0.00	0.7	ENE
9/21/2023 11:05:00	11.4	12.1	0.8	0.00	0.00	0.00	0.7	NNE
9/21/2023 11:06:00	11.7	12.5	0.8	0.00	0.00	0.00	0.7	SSE
9/21/2023 11:07:00	12.0	12.8	0.9	0.00	0.00	0.00	0.7	SE
9/21/2023 11:08:00	11.9	12.0	0.1	0.00	0.00	0.00	0.7	SW
9/21/2023 11:09:00	11.8	11.6	-0.2	0.00	0.00	0.00	0.7	NNW
9/21/2023 11:10:00	11.5	11.0	-0.5	0.00	0.00	0.00	0.7	W
9/21/2023 11:11:00	11.2	10.8	-0.4	0.00	0.00	0.00	0.7	NW
9/21/2023 11:12:00	10.7	10.6	-0.1	0.00	0.00	0.00	0.7	ESE
9/21/2023 11:13:00	10.3	10.4	0.0	0.00	0.00	0.00	0.7	E
9/21/2023 11:14:00	10.1	10.2	0.1	0.00	0.00	0.00	0.7	NW
9/21/2023 11:15:00	10.0	10.9	0.9	0.00	0.00	0.00	0.7	WSW
9/21/2023 11:16:00	10.0	11.1	1.1	0.00	0.00	0.00	0.8	W
9/21/2023 11:17:00	10.0	10.7	0.7	0.00	0.00	0.00	0.8	WNW
9/21/2023 11:18:00	9.6	10.5	0.9	0.00	0.00	0.00	0.8	NE
9/21/2023 11:19:00	9.3	10.5	1.2	0.00	0.00	0.00	0.8	NNE
9/21/2023 11:20:00	9.5	10.2	0.8	0.00	0.00	0.00	0.9	W
9/21/2023 11:21:00	9.0	9.8	0.8	0.00	0.00	0.00	0.9	N
9/21/2023 11:22:00	8.3	9.2	0.8	0.00	0.00	0.00	1.0	WSW
9/21/2023 11:23:00	7.9	9.1	1.2	0.00	0.00	0.00	1.0	NW
9/21/2023 11:24:00	7.7	9.1	1.4	0.00	0.00	0.00	1.0	W
9/21/2023 11:25:00	7.6	9.8	2.2	0.00	0.00	0.00	1.0	WSW
9/21/2023 11:26:00	7.6	9.7	2.0	0.00	0.00	0.00	1.0	N
9/21/2023 11:27:00	7.7	9.5	1.8	0.00	0.00	0.00	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
9/21/2023 11:28:00	7.7	9.4	1.8	0.00	0.00	0.00	1.0	WNW
9/21/2023 11:29:00	7.5	9.5	2.0	0.00	0.00	0.00	1.0	NNW
9/21/2023 11:30:00	7.5	8.6	1.0	0.00	0.00	0.00	1.1	WSW
9/21/2023 11:31:00	7.2	8.1	0.9	0.00	0.00	0.00	1.1	WNW
9/21/2023 11:32:00	6.8	8.0	1.2	0.00	0.00	0.00	1.1	NE
9/21/2023 11:33:00	6.8	7.8	1.0	0.00	0.00	0.00	1.0	W
9/21/2023 11:34:00	6.6	7.5	1.0	0.00	0.00	0.00	1.1	SW
9/21/2023 11:35:00	6.2	7.4	1.2	0.00	0.00	0.00	1.1	W
9/21/2023 11:36:00	6.4	7.3	0.9	0.00	0.00	0.00	1.0	NE
9/21/2023 11:37:00	6.6	7.6	1.0	0.00	0.00	0.00	1.0	WNW
9/21/2023 11:38:00	7.0	7.7	0.6	0.00	0.00	0.00	1.0	WSW
9/21/2023 11:39:00	7.5	7.5	0.0	0.00	0.00	0.00	1.0	WSW
9/21/2023 11:40:00	7.4	6.8	-0.6	0.00	0.00	0.00	1.0	SE
9/21/2023 11:41:00	7.6	6.8	-0.8	0.00	0.00	0.00	1.0	NNE
9/21/2023 11:42:00	8.1	7.0	-1.1	0.00	0.00	0.00	1.1	ENE
9/21/2023 11:43:00	8.1	7.1	-1.1	0.00	0.00	0.00	1.1	E
9/21/2023 11:44:00	8.4	6.8	-1.6	0.00	0.00	0.00	1.1	E
9/21/2023 11:45:00	8.3	6.8	-1.5	0.00	0.00	0.00	1.1	NNE
9/21/2023 11:46:00	8.7	6.8	-1.8	0.00	0.00	0.00	1.1	ENE
9/21/2023 11:47:00	8.7	6.7	-2.0	0.00	0.00	0.00	1.1	SSW
9/21/2023 11:48:00	8.6	6.7	-1.9	0.00	0.00	0.00	1.0	ESE
9/21/2023 11:49:00	8.7	6.8	-1.9	0.00	0.00	0.00	1.0	WNW
9/21/2023 11:50:00	8.8	6.9	-2.0	0.00	0.00	0.00	1.0	W
9/21/2023 11:51:00	8.9	7.0	-1.8	0.00	0.00	0.00	1.0	WSW
9/21/2023 11:52:00	8.8	6.9	-2.0	0.00	0.00	0.00	1.0	NNW
9/21/2023 11:53:00	8.4	6.8	-1.7	0.00	0.00	0.00	1.0	NE
9/21/2023 11:54:00	7.9	6.7	-1.2	0.00	0.00	0.00	1.0	ENE
9/21/2023 11:55:00	7.9	6.6	-1.2	0.00	0.00	0.00	1.0	ENE
9/21/2023 11:56:00	7.4	6.5	-0.9	0.00	0.00	0.00	1.0	ESE
9/21/2023 11:57:00	6.8	6.3	-0.6	0.00	0.00	0.00	1.0	W
9/21/2023 11:58:00	6.8	6.2	-0.5	0.00	0.00	0.00	1.0	SW
9/21/2023 11:59:00	6.5	6.3	-0.3	0.00	0.00	0.00	1.0	SW
9/21/2023 12:00:00	6.5	6.3	-0.2	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
9/21/2023 12:01:00	6.4	6.4	0.1	0.00	0.00	0.00	1.0	ESE
9/21/2023 12:02:00	6.4	6.5	0.1	0.01	0.00	-0.01	1.0	SW
9/21/2023 12:03:00	6.3	6.5	0.2	0.01	0.00	-0.01	1.1	WSW
9/21/2023 12:04:00	6.1	6.4	0.3	0.01	0.00	-0.01	1.1	NW
9/21/2023 12:05:00	6.0	6.2	0.2	0.01	0.00	-0.01	1.1	ESE
9/21/2023 12:06:00	5.8	6.0	0.2	0.01	0.00	-0.01	1.1	W
9/21/2023 12:07:00	5.7	6.0	0.3	0.01	0.00	-0.01	1.1	N
9/21/2023 12:08:00	5.6	6.0	0.4	0.01	0.00	-0.01	1.0	N
9/21/2023 12:09:00	5.5	6.0	0.5	0.01	0.00	-0.01	1.0	W
9/21/2023 12:10:00	5.4	6.0	0.6	0.01	0.00	-0.01	1.0	SW
9/21/2023 12:11:00	5.3	6.0	0.7	0.01	0.00	-0.01	1.0	SW
9/21/2023 12:12:00	5.3	6.0	0.7	0.01	0.00	-0.01	1.0	S
9/21/2023 12:13:00	5.3	5.9	0.6	0.01	0.00	-0.01	1.0	NE
9/21/2023 12:14:00	5.4	5.8	0.4	0.01	0.00	-0.01	1.0	ENE
9/21/2023 12:15:00	5.3	5.5	0.3	0.01	0.00	-0.01	1.0	NE
9/21/2023 12:16:00	5.3	5.4	0.1	0.01	0.00	-0.01	1.0	NE
9/21/2023 12:17:00	5.3	5.2	-0.1	0.01	0.00	-0.01	1.0	E
9/21/2023 12:18:00	5.4	5.1	-0.3	0.00	0.00	0.00	0.9	NNE
9/21/2023 12:19:00	5.4	5.2	-0.3	0.00	0.00	0.00	0.9	W
9/21/2023 12:20:00	5.5	5.2	-0.3	0.00	0.00	0.00	0.9	NE
9/21/2023 12:21:00	5.6	5.2	-0.4	0.00	0.00	0.00	0.8	ENE
9/21/2023 12:22:00	5.6	5.2	-0.4	0.00	0.00	0.00	0.9	NW
9/21/2023 12:23:00	5.6	5.0	-0.6	0.00	0.00	0.00	0.9	NE
9/21/2023 12:24:00	5.7	5.0	-0.7	0.00	0.00	0.00	0.9	NE
9/21/2023 12:25:00	5.9	4.9	-1.0	0.00	0.00	0.00	0.9	NE
9/21/2023 12:26:00	5.9	4.8	-1.2	0.00	0.00	0.00	0.9	NNW
9/21/2023 12:27:00	6.0	4.7	-1.3	0.00	0.00	0.00	0.9	NE
9/21/2023 12:28:00	6.0	4.6	-1.4	0.00	0.00	0.00	0.9	NE
9/21/2023 12:29:00	6.2	4.6	-1.6	0.00	0.00	0.00	1.0	ENE
9/21/2023 12:30:00	6.1	4.6	-1.5	0.00	0.00	0.00	1.0	NE
9/21/2023 12:31:00	6.0	4.8	-1.2	0.00	0.00	0.00	1.0	WNW
9/21/2023 12:32:00	6.1	4.9	-1.2	0.00	0.00	0.00	1.0	E
9/21/2023 12:33:00	6.3	4.9	-1.4	0.00	0.00	0.00	1.1	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
9/21/2023 12:34:00	6.7	4.9	-1.8	0.00	0.00	0.00	1.1	NNE
9/21/2023 12:35:00	7.0	5.0	-2.0	0.00	0.00	0.00	1.1	NE
9/21/2023 12:36:00	7.3	5.4	-1.9	0.00	0.00	0.00	1.1	NE
9/21/2023 12:37:00	7.5	6.2	-1.4	0.00	0.00	0.00	1.1	NE
9/21/2023 12:38:00	7.8	6.4	-1.4	0.00	0.00	0.00	1.1	ESE
9/21/2023 12:39:00	7.8	6.8	-1.1	0.00	0.00	0.00	1.1	WNW
9/21/2023 12:40:00	8.1	6.9	-1.2	0.00	0.00	0.00	1.1	NE
9/21/2023 12:41:00	8.3	7.3	-1.0	0.00	0.00	0.00	1.0	NNE
9/21/2023 12:42:00	8.4	7.4	-0.9	0.00	0.00	0.00	1.0	WSW
9/21/2023 12:43:00	8.4	7.6	-0.8	0.00	0.00	0.00	1.0	W
9/21/2023 12:44:00	8.0	7.7	-0.3	0.00	0.00	0.00	1.0	SW
9/21/2023 12:45:00	8.1	7.8	-0.4	0.00	0.00	0.00	0.9	ENE
9/21/2023 12:46:00	8.4	7.7	-0.7	0.00	0.00	0.00	0.9	NNW
9/21/2023 12:47:00	8.4	8.1	-0.3	0.00	0.00	0.00	0.9	NNE
9/21/2023 12:48:00	8.5	8.2	-0.3	0.00	0.00	0.00	0.9	SSW
9/21/2023 12:49:00	8.1	8.4	0.3	0.00	0.00	0.00	0.9	SSW
9/21/2023 12:50:00	7.8	8.4	0.7	0.00	0.00	0.00	0.9	W
9/21/2023 12:51:00	7.5	8.2	0.7	0.00	0.00	0.00	1.0	WSW
9/21/2023 12:52:00	7.5	7.7	0.2	0.00	0.00	0.00	1.0	WSW
9/21/2023 12:53:00	7.4	7.6	0.2	0.00	0.00	0.00	1.0	NE
9/21/2023 12:54:00	7.7	7.6	-0.1	0.00	0.00	0.00	1.0	NE
9/21/2023 12:55:00	7.5	7.7	0.2	0.00	0.00	0.00	1.1	SW
9/21/2023 12:56:00	7.3	7.7	0.4	0.00	0.00	0.00	1.1	WSW
9/21/2023 12:57:00	7.4	7.8	0.4	0.00	0.00	0.00	1.0	N
9/21/2023 12:58:00	7.5	7.8	0.3	0.00	0.00	0.00	1.0	E
9/21/2023 12:59:00	7.7	8.0	0.3	0.00	0.00	0.00	1.0	WSW
9/21/2023 13:00:00	7.5	8.1	0.6	0.00	0.00	0.00	1.1	WSW
9/21/2023 13:01:00	7.0	8.1	1.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:02:00	7.1	7.5	0.4	0.00	0.00	0.00	1.2	NNW
9/21/2023 13:03:00	6.8	7.6	0.8	0.00	0.00	0.00	1.1	WSW
9/21/2023 13:04:00	7.0	7.5	0.5	0.00	0.00	0.00	1.1	E
9/21/2023 13:05:00	7.2	7.7	0.5	0.00	0.00	0.00	1.1	SSE
9/21/2023 13:06:00	7.5	7.5	0.0	0.00	0.00	0.00	1.1	NNW

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
9/21/2023 13:07:00	7.5	8.0	0.5	0.00	0.00	0.00	1.1	W
9/21/2023 13:08:00	7.4	8.5	1.1	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:09:00	7.2	8.7	1.5	0.00	0.00	0.00	1.2	W
9/21/2023 13:10:00	7.4	8.6	1.1	0.00	0.00	0.00	1.2	ENE
9/21/2023 13:11:00	8.1	8.2	0.1	0.00	0.00	0.00	1.2	NNW
9/21/2023 13:12:00	8.8	8.1	-0.7	0.00	0.00	0.00	1.2	E
9/21/2023 13:13:00	8.7	9.2	0.5	0.00	0.00	0.00	1.2	WNW
9/21/2023 13:14:00	9.1	8.9	-0.2	0.00	0.00	0.00	1.3	ENE
9/21/2023 13:15:00	9.2	9.3	0.1	0.00	0.00	0.00	1.2	SSW
9/21/2023 13:16:00	9.3	10.0	0.7	0.00	0.00	0.00	1.2	SW
9/21/2023 13:17:00	9.4	10.2	0.8	0.00	0.00	0.00	1.2	NE
9/21/2023 13:18:00	9.5	10.5	1.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:19:00	9.4	10.9	1.5	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:20:00	9.4	10.6	1.2	0.00	0.00	0.00	1.3	WSW
9/21/2023 13:21:00	9.1	10.5	1.4	0.00	0.00	0.00	1.3	WSW
9/21/2023 13:22:00	8.9	9.8	0.9	0.00	0.00	0.00	1.3	SW
9/21/2023 13:23:00	8.6	9.2	0.7	0.00	0.00	0.00	1.3	WSW
9/21/2023 13:24:00	8.5	8.9	0.4	0.00	0.00	0.00	1.2	NW
9/21/2023 13:25:00	8.3	8.8	0.5	0.00	0.00	0.00	1.2	N
9/21/2023 13:26:00	7.8	8.9	1.1	0.00	0.00	0.00	1.2	ENE
9/21/2023 13:27:00	7.0	8.9	1.9	0.00	0.00	0.00	1.3	NE
9/21/2023 13:28:00	7.3	7.8	0.5	0.00	0.00	0.00	1.3	ENE
9/21/2023 13:29:00	6.9	7.9	1.1	0.00	0.00	0.00	1.3	SSE
9/21/2023 13:30:00	7.0	7.5	0.4	0.00	0.00	0.00	1.3	NE
9/21/2023 13:31:00	7.0	7.0	0.0	0.00	0.00	0.00	1.3	S
9/21/2023 13:32:00	6.7	8.2	1.5	0.00	0.00	0.00	1.3	WSW
9/21/2023 13:33:00	7.4	7.7	0.3	0.00	0.00	0.00	1.4	ESE
9/21/2023 13:34:00	7.6	7.3	-0.3	0.00	0.00	0.00	1.4	E
9/21/2023 13:35:00	7.8	7.2	-0.6	0.00	0.00	0.00	1.3	E
9/21/2023 13:36:00	8.0	7.3	-0.7	0.00	0.00	0.00	1.3	E
9/21/2023 13:37:00	8.3	7.4	-1.0	0.00	0.00	0.00	1.3	ESE
9/21/2023 13:38:00	8.8	7.3	-1.5	0.00	0.00	0.00	1.3	NNE
9/21/2023 13:39:00	10.0	7.3	-2.8	0.00	0.00	0.00	1.3	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
9/21/2023 13:40:00	10.5	7.3	-3.2	0.00	0.00	0.00	1.4	ENE
9/21/2023 13:41:00	10.2	7.4	-2.8	0.00	0.00	0.00	1.3	SSE
9/21/2023 13:42:00	10.5	7.3	-3.2	0.00	0.00	0.00	1.3	NE
9/21/2023 13:43:00	10.7	7.4	-3.3	0.00	0.00	0.00	1.4	E
9/21/2023 13:44:00	10.8	7.3	-3.4	0.00	0.00	0.00	1.4	NE
9/21/2023 13:45:00	10.6	7.4	-3.2	0.00	0.00	0.00	1.3	WNW
9/21/2023 13:46:00	10.7	7.2	-3.5	0.00	0.00	0.00	1.4	WSW
9/21/2023 13:47:00	10.7	5.9	-4.7	0.00	0.00	0.00	1.3	WSW
9/21/2023 13:48:00	9.8	6.0	-3.8	0.00	0.00	0.00	1.3	S
9/21/2023 13:49:00	9.7	6.0	-3.7	0.00	0.00	0.00	1.3	NE
9/21/2023 13:50:00	9.3	5.9	-3.3	0.00	0.00	0.00	1.2	NW
9/21/2023 13:51:00	8.9	5.9	-3.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:52:00	8.6	5.8	-2.8	0.00	0.00	0.00	1.2	WSW
9/21/2023 13:53:00	8.2	5.7	-2.5	0.00	0.00	0.00	1.2	N
9/21/2023 13:54:00	6.9	5.7	-1.2	0.00	0.00	0.00	1.2	W
9/21/2023 13:55:00	6.5	5.7	-0.8	0.00	0.00	0.00	1.2	E
9/21/2023 13:56:00	6.5	5.7	-0.8	0.00	0.00	0.00	1.2	WNW
9/21/2023 13:57:00	6.3	5.7	-0.6	0.00	0.00	0.00	1.2	NNE
9/21/2023 13:58:00	5.8	5.7	-0.2	0.00	0.00	0.00	1.2	WNW
9/21/2023 13:59:00	5.6	5.6	0.0	0.00	0.00	0.00	1.3	NW
9/21/2023 14:00:00	5.8	5.5	-0.3	0.00	0.00	0.00	1.3	SE
9/21/2023 14:01:00	5.6	5.7	0.1	0.00	0.00	0.00	1.3	SSW
9/21/2023 14:02:00	5.6	5.6	-0.1	0.00	0.00	0.00	1.3	E
9/21/2023 14:03:00	5.8	5.4	-0.4	0.00	0.00	0.00	1.3	N
9/21/2023 14:04:00	5.8	5.4	-0.4	0.00	0.00	0.00	1.4	NE
9/21/2023 14:05:00	5.9	5.3	-0.6	0.00	0.00	0.00	1.4	NE
9/21/2023 14:06:00	5.8	5.4	-0.4	0.00	0.00	0.00	1.4	S
9/21/2023 14:07:00	5.9	5.7	-0.2	0.00	0.00	0.00	1.4	SW
9/21/2023 14:08:00	6.0	5.9	-0.1	0.00	0.00	0.00	1.4	WSW
9/21/2023 14:09:00	6.2	6.2	0.0	0.00	0.00	0.00	1.4	SW
9/21/2023 14:10:00	6.4	6.4	0.0	0.00	0.00	0.00	1.3	N
9/21/2023 14:11:00	6.6	6.3	-0.4	0.00	0.00	0.00	1.4	ENE
9/21/2023 14:12:00	6.5	6.3	-0.2	0.00	0.00	0.00	1.3	ESE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
9/21/2023 14:13:00	6.7	6.2	-0.5	0.00	0.00	0.00	1.3	NNE
9/21/2023 14:14:00	7.1	6.2	-0.9	0.00	0.00	0.00	1.3	NE
9/21/2023 14:15:00	7.5	6.2	-1.3	0.00	0.00	0.00	1.2	NNE
9/21/2023 14:16:00	7.6	6.6	-1.0	0.00	0.00	0.00	1.2	SE
9/21/2023 14:17:00	8.0	6.8	-1.2	0.00	0.00	0.00	1.2	ENE
9/21/2023 14:18:00	7.9	7.1	-0.8	0.00	0.00	0.00	1.2	SW
9/21/2023 14:19:00	8.3	7.2	-1.1	0.00	0.00	0.00	1.1	NE
9/21/2023 14:20:00	8.2	7.6	-0.5	0.00	0.00	0.00	1.1	WNW
9/21/2023 14:21:00	8.4	7.9	-0.5	0.00	0.00	0.00	1.1	WNW
9/21/2023 14:22:00	8.8	8.1	-0.7	0.00	0.00	0.00	1.0	W
9/21/2023 14:23:00	8.8	8.1	-0.7	0.00	0.00	0.00	1.0	WSW
9/21/2023 14:24:00	8.8	7.7	-1.1	0.00	0.00	0.00	1.1	WSW
9/21/2023 14:25:00	8.6	7.5	-1.0	0.00	0.00	0.00	1.1	SW
9/21/2023 14:26:00	8.7	7.5	-1.2	0.00	0.00	0.00	1.1	ESE
9/21/2023 14:27:00	8.5	7.6	-0.9	0.00	0.00	0.00	1.1	SE
9/21/2023 14:28:00	8.5	7.6	-0.9	0.00	0.00	0.00	1.1	ESE
9/21/2023 14:29:00	8.1	7.7	-0.4	0.00	0.00	0.00	1.1	S
9/21/2023 14:30:00	7.5	7.7	0.2	0.00	0.00	0.00	1.2	W
9/21/2023 14:31:00	7.5	7.0	-0.5	0.00	0.00	0.00	1.2	ENE
9/21/2023 14:32:00	7.3	6.9	-0.4	0.00	0.00	0.00	1.2	NE
9/21/2023 14:33:00	7.2	6.9	-0.3	0.00	0.00	0.00	1.2	SSW
9/21/2023 14:34:00	6.6	7.3	0.7	0.00	0.00	0.00	1.2	SE
9/21/2023 14:35:00	6.6	7.4	0.8	0.00	0.00	0.00	1.2	S
9/21/2023 14:36:00	6.9	7.1	0.2	0.00	0.00	0.00	1.3	ENE
9/21/2023 14:37:00	6.5	7.1	0.5	0.00	0.00	0.00	1.3	WSW
9/21/2023 14:38:00	6.8	6.9	0.1	0.00	0.00	0.00	1.3	ENE
9/21/2023 14:39:00	6.9	7.0	0.1	0.00	0.00	0.00	1.3	ENE
9/21/2023 14:40:00	6.9	7.3	0.4	0.00	0.00	0.00	1.3	S
9/21/2023 14:41:00	6.6	7.5	0.9	0.00	0.00	0.00	1.3	WSW
9/21/2023 14:42:00	6.9	7.4	0.5	0.00	0.00	0.00	1.2	NNW
9/21/2023 14:43:00	7.0	7.6	0.6	0.00	0.00	0.00	1.2	ENE
9/21/2023 14:44:00	7.2	7.8	0.7	0.00	0.00	0.00	1.2	SSE
9/21/2023 14:45:00	7.6	7.8	0.1	0.00	0.00	0.00	1.2	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
9/21/2023 14:46:00	7.5	7.9	0.4	0.00	0.00	0.00	1.2	WNW
9/21/2023 14:47:00	7.6	7.9	0.3	0.00	0.00	0.00	1.2	N
9/21/2023 14:48:00	7.6	8.0	0.3	0.00	0.00	0.00	1.2	WSW
9/21/2023 14:49:00	8.1	7.7	-0.4	0.00	0.00	0.00	1.2	NNE
9/21/2023 14:50:00	8.3	7.5	-0.8	0.00	0.00	0.00	1.1	ESE
9/21/2023 14:51:00	8.2	7.6	-0.7	0.00	0.00	0.00	1.1	WNW
9/21/2023 14:52:00	8.3	7.3	-1.0	0.00	0.00	0.00	1.1	WSW
9/21/2023 14:53:00	8.2	7.5	-0.6	0.00	0.00	0.00	1.1	E
9/21/2023 14:54:00	8.2	8.2	0.0	0.00	0.00	0.00	1.1	E
9/21/2023 14:55:00	8.5	8.0	-0.5	0.00	0.00	0.00	1.2	SW
9/21/2023 14:56:00				0.00	0.00	0.00	1.2	NW
9/21/2023 14:57:00				0.00	0.00	0.00	1.2	SW
9/21/2023 14:58:00				0.00	0.00	0.00	1.1	W
9/21/2023 14:59:00				0.00	0.00	0.00	1.1	W
9/21/2023 15:00:00	5.8	15.3	9.5	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:01:00	15.5	11.3	-4.2	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:02:00	12.1	23.9	11.8	0.00	0.00	0.00	1.1	NNW
9/21/2023 15:03:00	11.5	19.3	7.8	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:04:00	10.7	16.6	5.9	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:05:00	10.4	14.8	4.4	0.00	0.00	0.00	1.2	SW
9/21/2023 15:06:00	10.0	13.5	3.5	0.00	0.00	0.00	1.2	SW
9/21/2023 15:07:00	9.6	12.6	3.0	0.00	0.00	0.00	1.2	W
9/21/2023 15:08:00	9.2	11.9	2.7	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:09:00	9.3	11.6	2.3	0.00	0.00	0.00	1.1	SW
9/21/2023 15:10:00	9.6	11.4	1.8	0.00	0.00	0.00	1.2	SSW
9/21/2023 15:11:00	9.6	11.5	1.9	0.00	0.00	0.00	1.2	SW
9/21/2023 15:12:00	9.3	11.8	2.5	0.00	0.00	0.00	1.1	SW
9/21/2023 15:13:00	9.1	12.0	2.9	0.00	0.00	0.00	1.2	SW
9/21/2023 15:14:00	8.8	12.0	3.1	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:15:00	9.4	11.3	2.0	0.00	0.00	0.00	1.1	NNE
9/21/2023 15:16:00	8.2	11.4	3.2	0.00	0.00	0.00	1.1	WNW
9/21/2023 15:17:00	8.4	8.5	0.1	0.00	0.00	0.00	1.1	NNE
9/21/2023 15:18:00	8.3	8.5	0.2	0.00	0.00	0.00	1.1	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
9/21/2023 15:19:00	8.2	8.7	0.5	0.00	0.00	0.00	1.1	SSE
9/21/2023 15:20:00	8.1	8.6	0.5	0.00	0.00	0.00	1.1	NE
9/21/2023 15:21:00	8.1	8.6	0.5	0.00	0.00	0.00	1.1	E
9/21/2023 15:22:00	7.9	8.5	0.6	0.00	0.00	0.00	1.1	SSE
9/21/2023 15:23:00	7.9	8.4	0.5	0.00	0.00	0.00	1.1	ENE
9/21/2023 15:24:00	7.6	8.0	0.4	0.00	0.00	0.00	1.2	NE
9/21/2023 15:25:00	7.2	7.6	0.4	0.00	0.00	0.00	1.1	ENE
9/21/2023 15:26:00	7.1	7.0	-0.1	0.00	0.00	0.00	1.1	ENE
9/21/2023 15:27:00	7.3	6.3	-0.9	0.00	0.00	0.00	1.1	NE
9/21/2023 15:28:00	7.4	5.7	-1.7	0.00	0.00	0.00	1.1	ENE
9/21/2023 15:29:00	7.5	5.3	-2.2	0.00	0.00	0.00	1.1	N
9/21/2023 15:30:00	7.0	5.2	-1.8	0.00	0.00	0.00	1.1	N
9/21/2023 15:31:00	6.7	5.0	-1.7	0.00	0.00	0.00	1.2	WNW
9/21/2023 15:32:00	6.5	4.9	-1.6	0.00	0.00	0.00	1.2	NE
9/21/2023 15:33:00	6.2	4.7	-1.4	0.00	0.00	0.00	1.2	N
9/21/2023 15:34:00	6.2	4.6	-1.6	0.00	0.00	0.00	1.2	NE
9/21/2023 15:35:00	6.0	4.5	-1.5	0.00	0.00	0.00	1.2	ENE
9/21/2023 15:36:00	5.9	4.4	-1.5	0.00	0.00	0.00	1.1	SE
9/21/2023 15:37:00	6.0	4.3	-1.7	0.00	0.00	0.00	1.1	NE
9/21/2023 15:38:00	5.9	4.2	-1.7	0.00	0.00	0.00	1.1	ENE
9/21/2023 15:39:00	5.9	4.3	-1.6	0.00	0.00	0.00	1.1	NE
9/21/2023 15:40:00	5.8	4.4	-1.4	0.00	0.00	0.00	1.1	NNE
9/21/2023 15:41:00	5.6	4.3	-1.3	0.00	0.00	0.00	1.1	NE
9/21/2023 15:42:00	5.4	4.2	-1.2	0.00	0.00	0.00	1.2	NNW
9/21/2023 15:43:00	5.2	4.1	-1.1	0.00	0.00	0.00	1.2	NNE
9/21/2023 15:44:00	5.1	4.0	-1.1	0.00	0.00	0.00	1.2	NE
9/21/2023 15:45:00	5.2	3.9	-1.3	0.00	0.00	0.00	1.2	NE
9/21/2023 15:46:00	5.4	4.0	-1.4	0.00	0.00	0.00	1.2	NE
9/21/2023 15:47:00	6.2	4.2	-2.0	0.00	0.00	0.00	1.1	SSE
9/21/2023 15:48:00	6.5	4.4	-2.1	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:49:00	6.7	4.5	-2.3	0.00	0.00	0.00	1.1	SW
9/21/2023 15:50:00	6.8	4.7	-2.1	0.00	0.00	0.00	1.1	WSW
9/21/2023 15:51:00	6.8	4.8	-1.9	0.00	0.00	0.00	1.2	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
9/21/2023 15:52:00	6.8	5.0	-1.8	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:53:00	6.7	5.1	-1.6	0.00	0.00	0.00	1.2	SW
9/21/2023 15:54:00	6.6	5.2	-1.4	0.00	0.00	0.00	1.2	SW
9/21/2023 15:55:00	6.5	5.4	-1.1	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:56:00	6.5	5.5	-1.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:57:00	6.7	5.7	-1.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:58:00	6.8	5.8	-1.0	0.00	0.00	0.00	1.2	WSW
9/21/2023 15:59:00	6.9	5.8	-1.0	0.00	0.00	0.00	1.2	W
9/21/2023 16:00:00	6.8	6.0	-0.8	0.00	0.00	0.00	1.2	W
9/21/2023 16:01:00	6.7	6.0	-0.7	0.00	0.00	0.00	1.3	WSW
9/21/2023 16:02:00	6.4	6.0	-0.5	0.00	0.00	0.00	1.3	ENE
9/21/2023 16:03:00	6.2	6.2	0.1	0.00	0.00	0.00	1.3	SW
9/21/2023 16:04:00	6.0	6.6	0.6	0.00	0.00	0.00	1.3	SW
9/21/2023 16:05:00	5.8	7.1	1.3	0.00	0.00	0.00	1.2	WSW
9/21/2023 16:06:00	5.9	7.5	1.6	0.00	0.00	0.00	1.2	W
9/21/2023 16:07:00	5.8	7.4	1.6	0.00	0.00	0.00	1.2	WSW
9/21/2023 16:08:00	6.0	7.3	1.4	0.00	0.00	0.00	1.2	WSW
9/21/2023 16:09:00	6.1	7.2	1.1	0.00	0.00	0.00	1.2	W
9/21/2023 16:10:00	6.7	7.0	0.3	0.00	0.00	0.00	1.2	W
9/21/2023 16:11:00	6.9	7.0	0.1	0.00	0.00	0.00	1.2	W
9/21/2023 16:12:00	7.0	7.0	0.1	0.00	0.00	0.00	1.1	ESE
9/21/2023 16:13:00	6.7	7.0	0.3	0.00	0.00	0.00	1.1	W
9/21/2023 16:14:00	6.4	7.1	0.7	0.00	0.00	0.00	1.1	SW
9/21/2023 16:15:00	6.2	7.3	1.1	0.00	0.00	0.00	1.0	SSE
9/21/2023 16:16:00	6.2	7.3	1.2	0.00	0.00	0.00	1.0	W
9/21/2023 16:17:00	5.7	7.3	1.6	0.00	0.00	0.00	1.0	ENE
9/21/2023 16:18:00	5.8	6.7	0.9	0.00	0.00	0.00	1.0	NE
9/21/2023 16:19:00	5.9	6.0	0.1	0.00	0.00	0.00	1.0	E
9/21/2023 16:20:00	6.0	5.3	-0.7	0.00	0.00	0.00	0.9	ENE
9/21/2023 16:21:00	6.0	6.4	0.5	0.00	0.00	0.00	0.9	WNW
9/21/2023 16:22:00	6.0	16.3	10.3	0.00	0.00	0.00	0.8	WSW
9/21/2023 16:23:00	15.1	16.4	1.2	0.00	0.00	0.00	0.8	E
9/21/2023 16:24:00	14.9	17.4	2.5	0.00	0.00	0.00	0.8	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
9/21/2023 16:25:00	14.4	17.5	3.1	0.00	0.00	0.00	0.8	W
9/21/2023 16:26:00	14.1	17.5	3.4	0.00	0.00	0.00	0.8	WSW
9/21/2023 16:27:00	13.8	17.5	3.7	0.00	0.00	0.00	0.8	SW
9/21/2023 16:28:00	13.9	17.6	3.6	0.00	0.00	0.00	0.9	WSW
9/21/2023 16:29:00	14.1	17.5	3.3	0.00	0.00	0.00	0.9	WSW
9/21/2023 16:30:00	14.3	17.3	3.0	0.00	0.00	0.00	0.9	SW
9/21/2023 16:31:00	14.7	16.9	2.2	0.00	0.00	0.00	0.9	NNE
9/21/2023 16:32:00	14.8	17.0	2.2	0.00	0.00	0.00	0.9	ENE
9/21/2023 16:33:00	15.0	17.1	2.1	0.00	0.00	0.00	0.9	ENE
9/21/2023 16:34:00	15.2	17.3	2.1	0.00	0.00	0.00	0.9	ENE
9/21/2023 16:35:00	15.5	17.4	1.9	0.00	0.00	0.00	0.9	ENE