

**DAILY FIELD REPORT 032**

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	July 20, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	6:45 am to 3:15 pm
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<b>Consultant:</b> Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	<b>Langan Field Personnel:</b> Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
<b>Construction Manager:</b> Consigli Construction Co., Inc. (Consigli)	
<b>Foundation Contractor:</b> Urban Foundation/Engineering (Urban)	

**Work Activities Performed:**

- Urban excavated an about 15-foot-long by 5-foot-wide area to about 3-feet below grade surface (bgs) in the western area of waste characterization grids WC02\_0-5 to prepare for equipment mobilization. Excavated soil/fill was stockpiled adjacent to the excavation and covered with polyethylene sheeting at the end of the day, pending off-site disposal.
- Urban excavated an about 25-foot-long by 25-foot-wide area to about 5-feet bgs in the eastern area of waste characterization grids WC03\_0-5 to prepare for equipment mobilization. Excavated soil/fill was graded adjacent to the excavation area.
- Urban graded an about 100-foot-long by 75-foot-wide area of soil/fill in the southeastern area of waste characterization grid WC02 and an about 100-foot-long by 75-foot-wide area of soil/fill in the southwestern area 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 demolished concrete in the southern parts of waste characterization grid WC03. Concrete and demolition debris (C&D) was separated and stockpiled in the southern area of waste characterization grid WC03. Dust suppression measures (i.e., misting and spraying of concrete with water) were employed by Urban during the work.
- Urban installed two, about 58-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the northwestern and western parts of the site.
- Urban began drilling two rock sockets for two caissons using a Double L drilling rig 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)
	30	600	25	500	0	-	14	280

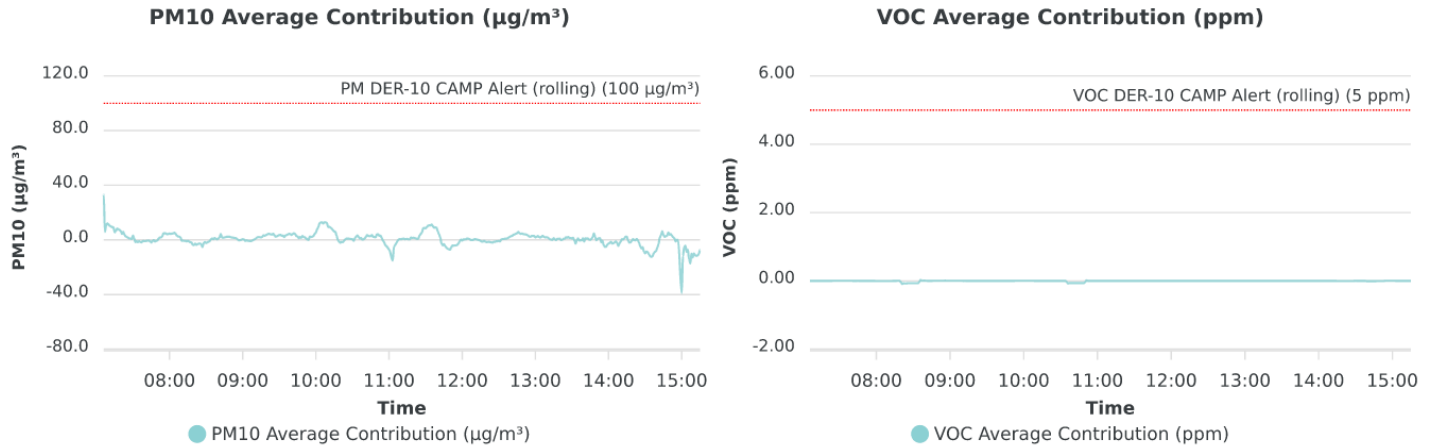
Materials Export Summary		
Facility Name	Dale Transfer Corp.	
Location	West Babylon, NY	
Type of Waste	Concrete	
Today	Number of Loads	Approx. Volume (CY)
		0
Total	Number of Loads	Approx. Volume (CY)
	2	40

**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  $\mu\text{g}/\text{m}^3$  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  $\mu\text{g}/\text{m}^3$  and 5 ppm, respectively, on this day.



Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	88.5	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-39.0	VOC Average Site Contribution (Minimum)	-0.09
PM10 Average Site Contribution (Maximum)	33.3	VOC Average Site Contribution (Maximum)	0.03

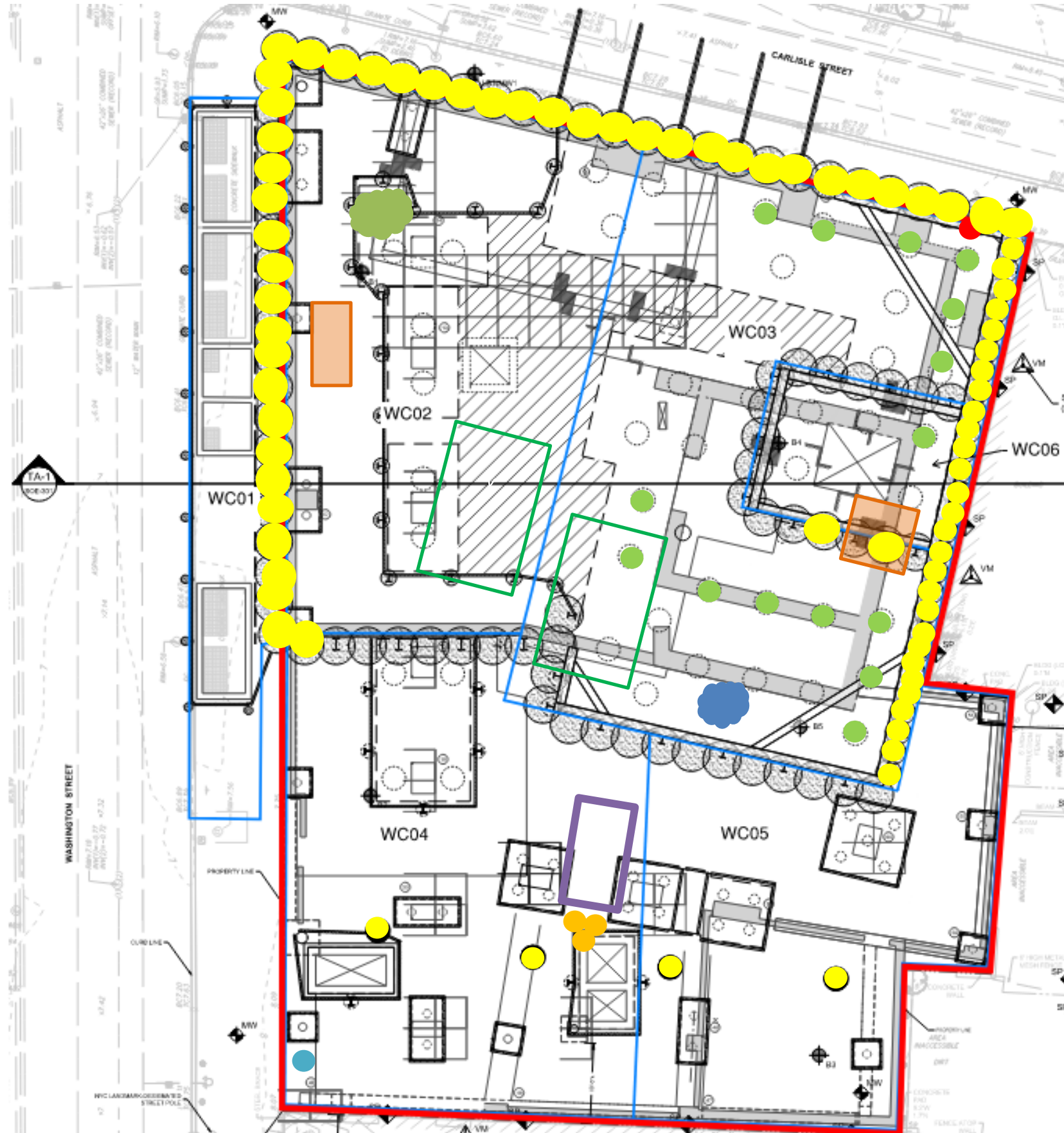
$\mu\text{g}/\text{m}^3$ : micrograms per cubic meter.

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 from WC02\_0-5 and 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.

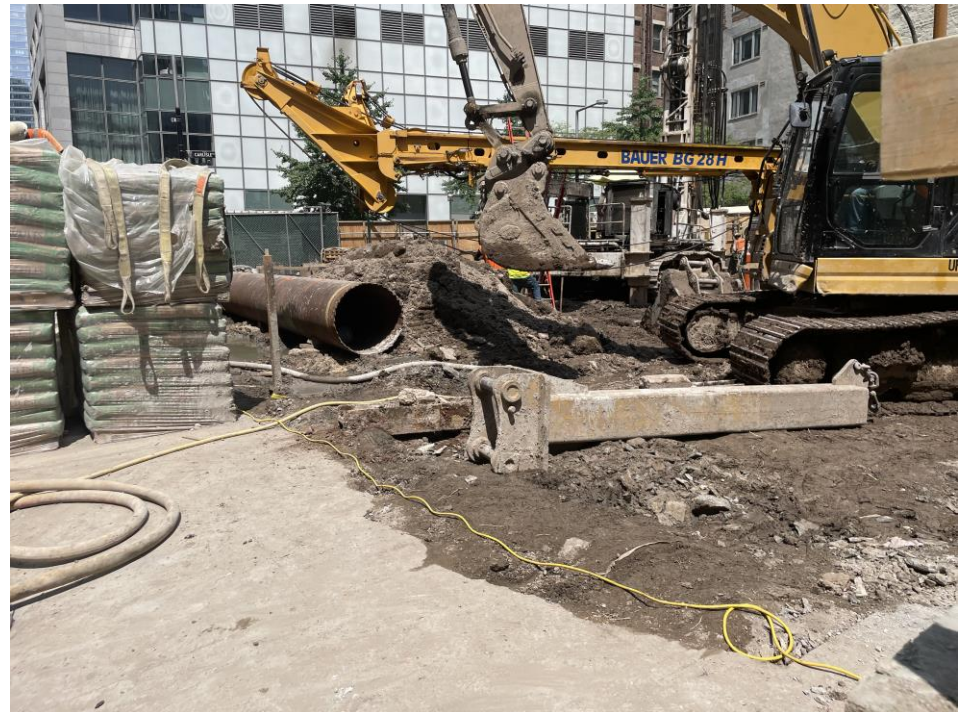


**Photo Log**

**Photo 1:** Urban spraying water for dust suppression while loading C&D debris for off-site disposal in the southern part of WC03 (facing north).



**Photo 2:** Urban grading soil/fill in waste characterization grid WC02\_0-5.





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



**Photo 4:** View of the entrance/exit of the site at the corner of Washington and Carlisle Street at the end of the work day (facing south).



**Photo 5:** View of the entrance/exit of the site along Washington Street at the end of the work day (facing northeast).



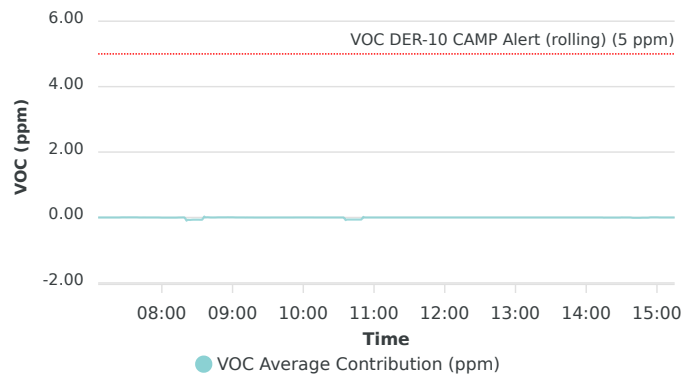
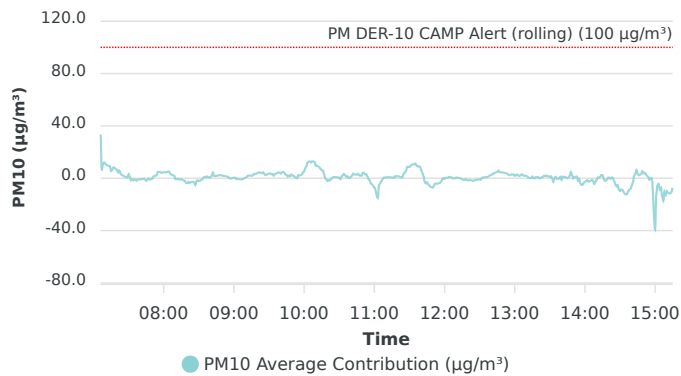
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	7/20/2023 00:00
		<b>To:</b>	7/20/2023 22:00
		<b>PM10 Action Level:</b>	100 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
7/20/2023	0.2-2.9	S



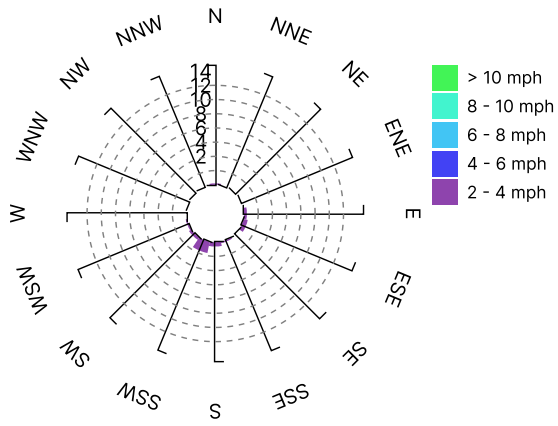
**PM10 Average Contribution ( $\mu\text{g}/\text{m}^3$ )**

**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
7/20/2023 07:06:00	88.5	121.9	33.3	0.00	0.00	0.00	1.2	S
7/20/2023 07:07:00	96.3	102.3	6.0	0.00	0.00	0.00	0.9	N
7/20/2023 07:08:00	90.7	101.2	10.4	0.00	0.00	0.00	0.9	S
7/20/2023 07:09:00	87.4	99.5	12.1	0.00	0.00	0.00	0.8	W
7/20/2023 07:10:00	85.6	96.9	11.3	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:11:00	84.3	94.6	10.3	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:12:00	83.0	92.8	9.8	0.00	0.00	0.00	0.9	SW
7/20/2023 07:13:00	81.9	91.2	9.3	0.00	0.00	0.00	0.9	S
7/20/2023 07:14:00	80.9	90.2	9.3	0.00	0.00	0.00	0.9	SSE
7/20/2023 07:15:00	82.6	88.2	5.5	0.00	0.00	0.00	0.9	ENE
7/20/2023 07:16:00	81.5	88.0	6.6	0.00	0.00	0.00	0.9	SSE
7/20/2023 07:17:00	80.5	88.8	8.3	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:18:00	80.5	88.3	7.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:19:00	79.8	87.0	7.2	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:20:00	79.5	86.0	6.5	0.00	0.00	0.00	0.9	S
7/20/2023 07:21:00	78.2	82.5	4.4	0.00	0.00	0.00	0.9	S
7/20/2023 07:22:00	76.0	81.9	5.9	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:23:00	76.6	80.4	3.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:24:00	76.7	79.3	2.6	0.00	0.00	0.00	1.0	S
7/20/2023 07:25:00	76.1	78.2	2.1	0.00	0.00	0.00	1.0	S
7/20/2023 07:26:00	75.5	77.1	1.6	0.00	0.00	0.00	1.0	SSW
7/20/2023 07:27:00	74.9	75.9	1.0	0.00	0.00	0.00	1.0	SSE
7/20/2023 07:28:00	74.5	75.4	1.0	0.00	0.00	0.00	1.0	SE
7/20/2023 07:29:00	74.0	74.6	0.6	0.00	0.00	0.00	1.0	ENE
7/20/2023 07:30:00	71.8	75.0	3.2	0.00	0.00	0.00	1.0	SE
7/20/2023 07:31:00	72.5	73.5	1.0	0.00	0.01	0.00	1.0	S
7/20/2023 07:32:00	73.0	71.3	-1.7	0.00	0.01	0.00	0.9	SSW
7/20/2023 07:33:00	72.1	71.2	-0.9	0.00	0.01	0.00	0.9	SE
7/20/2023 07:34:00	72.4	70.7	-1.7	0.00	0.01	0.00	0.9	SSE
7/20/2023 07:35:00	71.4	70.5	-0.9	0.00	0.01	0.00	0.9	SE
7/20/2023 07:36:00	71.2	69.8	-1.5	0.00	0.01	0.00	0.9	SSW
7/20/2023 07:37:00	70.7	68.9	-1.8	0.00	0.01	0.00	0.9	S

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/20/2023 07:38:00	68.8	68.0	-0.8	0.00	0.01	0.00	0.9	ESE
7/20/2023 07:39:00	67.7	66.8	-0.9	0.00	0.01	0.00	0.9	S
7/20/2023 07:40:00	67.2	66.3	-0.9	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:41:00	66.8	66.0	-0.8	0.00	0.00	0.00	0.9	SW
7/20/2023 07:42:00	66.4	65.9	-0.5	0.00	0.00	0.00	0.8	NE
7/20/2023 07:43:00	66.1	65.6	-0.5	0.00	0.00	0.00	0.9	E
7/20/2023 07:44:00	66.0	65.0	-1.0	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:45:00	66.0	64.1	-1.9	0.00	0.00	0.00	0.9	SSW
7/20/2023 07:46:00	64.9	64.1	-0.8	0.00	0.00	0.00	0.8	E
7/20/2023 07:47:00	64.1	63.9	-0.2	0.00	0.00	0.00	0.8	E
7/20/2023 07:48:00	63.8	62.6	-1.2	0.00	0.00	0.00	0.8	ESE
7/20/2023 07:49:00	63.0	62.3	-0.8	0.00	0.00	0.00	0.8	NNW
7/20/2023 07:50:00	62.9	62.4	-0.5	0.00	0.00	0.00	0.8	SSW
7/20/2023 07:51:00	62.3	63.3	1.0	0.00	0.00	0.00	0.8	S
7/20/2023 07:52:00	62.2	64.0	1.8	0.00	0.00	0.00	0.9	SSE
7/20/2023 07:53:00	62.2	64.1	1.8	0.00	0.00	0.00	0.9	S
7/20/2023 07:54:00	61.9	64.4	2.5	0.00	0.00	0.00	0.9	SW
7/20/2023 07:55:00	61.7	66.5	4.8	0.00	0.00	0.00	1.0	SSW
7/20/2023 07:56:00	62.0	66.8	4.8	0.00	0.00	0.00	0.9	WSW
7/20/2023 07:57:00	62.0	66.8	4.7	0.00	0.00	0.00	1.0	S
7/20/2023 07:58:00	62.2	66.3	4.1	0.00	0.00	0.00	0.9	ESE
7/20/2023 07:59:00	61.8	66.2	4.3	0.00	0.00	0.00	1.0	SSE
7/20/2023 08:00:00	61.5	66.1	4.6	0.00	0.00	0.00	1.0	ESE
7/20/2023 08:01:00	61.3	65.7	4.4	0.00	0.00	0.00	1.0	SW
7/20/2023 08:02:00	60.9	65.5	4.6	0.00	0.00	0.00	1.0	NE
7/20/2023 08:03:00	60.6	65.4	4.8	0.00	0.00	0.00	1.0	SSE
7/20/2023 08:04:00	60.4	65.6	5.3	0.00	0.00	0.00	0.9	ESE
7/20/2023 08:05:00	60.5	64.9	4.4	0.00	0.00	0.00	0.9	SSE
7/20/2023 08:06:00	60.7	63.9	3.1	0.00	0.00	0.00	0.9	SSE
7/20/2023 08:07:00	60.4	62.9	2.5	0.00	0.00	0.00	0.9	E
7/20/2023 08:08:00	60.1	62.4	2.3	0.00	0.00	0.00	0.8	S
7/20/2023 08:09:00	60.0	61.8	1.8	0.00	0.00	0.00	0.9	SE
7/20/2023 08:10:00	59.9	59.2	-0.7	0.00	0.00	0.00	0.9	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
7/20/2023 08:11:00	59.1	58.6	-0.5	0.00	0.00	0.00	0.9	ESE
7/20/2023 08:12:00	59.0	58.3	-0.7	0.00	0.00	0.00	0.9	SW
7/20/2023 08:13:00	59.3	58.5	-0.7	0.00	0.00	0.00	0.9	ESE
7/20/2023 08:14:00	59.7	58.6	-1.1	0.00	0.00	0.00	0.9	SSE
7/20/2023 08:15:00	59.5	58.8	-0.7	0.00	0.00	0.00	0.9	NNE
7/20/2023 08:16:00	59.8	58.6	-1.1	0.00	0.00	0.00	0.9	WSW
7/20/2023 08:17:00	60.5	58.7	-1.8	0.00	0.00	0.00	0.9	SW
7/20/2023 08:18:00	61.1	59.2	-1.9	0.00	0.00	0.00	1.0	SSE
7/20/2023 08:19:00	63.2	59.7	-3.5	0.00	0.00	0.00	1.0	SE
7/20/2023 08:20:00	64.0	60.2	-3.8	0.04	0.00	-0.04	1.0	E
7/20/2023 08:21:00	63.7	60.9	-2.7	0.10	0.00	-0.09	1.0	ESE
7/20/2023 08:22:00	64.5	60.9	-3.6	0.10	0.02	-0.07	1.0	SSE
7/20/2023 08:23:00	64.5	61.4	-3.1	0.10	0.02	-0.07	1.0	SE
7/20/2023 08:24:00	64.3	61.6	-2.8	0.10	0.02	-0.07	0.9	SE
7/20/2023 08:25:00	64.2	61.5	-2.7	0.10	0.03	-0.07	0.9	W
7/20/2023 08:26:00	64.6	61.4	-3.2	0.10	0.03	-0.07	0.9	WSW
7/20/2023 08:27:00	66.5	61.2	-5.3	0.10	0.03	-0.07	0.9	SW
7/20/2023 08:28:00	65.6	63.4	-2.3	0.10	0.03	-0.07	0.8	ESE
7/20/2023 08:29:00	64.8	63.3	-1.6	0.10	0.03	-0.07	0.8	SE
7/20/2023 08:30:00	64.9	62.6	-2.3	0.10	0.03	-0.07	0.8	SW
7/20/2023 08:31:00	64.4	62.5	-1.9	0.10	0.03	-0.07	0.8	S
7/20/2023 08:32:00	63.6	62.3	-1.3	0.10	0.03	-0.07	0.9	SSE
7/20/2023 08:33:00	62.6	61.6	-0.9	0.10	0.03	-0.07	0.9	SSE
7/20/2023 08:34:00	60.2	60.7	0.5	0.10	0.03	-0.07	0.9	E
7/20/2023 08:35:00	58.9	60.0	1.1	0.06	0.03	-0.03	0.9	SE
7/20/2023 08:36:00	58.5	59.0	0.5	0.00	0.03	0.03	0.9	SE
7/20/2023 08:37:00	57.2	58.6	1.4	0.00	0.01	0.00	0.9	WNW
7/20/2023 08:38:00	56.9	57.8	0.9	0.00	0.01	0.01	0.9	WNW
7/20/2023 08:39:00	56.8	57.3	0.4	0.00	0.01	0.01	0.9	SE
7/20/2023 08:40:00	56.4	57.3	0.9	0.00	0.00	0.00	0.8	ENE
7/20/2023 08:41:00	55.7	57.5	1.9	0.00	0.00	0.00	0.8	E
7/20/2023 08:42:00	53.2	57.6	4.3	0.00	0.00	0.00	0.8	ENE
7/20/2023 08:43:00	52.9	54.6	1.7	0.00	0.00	0.00	0.9	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/20/2023 08:44:00	52.5	54.1	1.6	0.00	0.00	0.00	0.9	ENE
7/20/2023 08:45:00	52.0	53.8	1.8	0.00	0.00	0.00	0.8	E
7/20/2023 08:46:00	51.5	53.5	2.0	0.00	0.00	0.00	0.8	E
7/20/2023 08:47:00	51.0	53.3	2.3	0.00	0.00	0.00	0.8	N
7/20/2023 08:48:00	50.6	52.9	2.3	0.00	0.00	0.00	0.8	ENE
7/20/2023 08:49:00	50.4	52.7	2.3	0.00	0.00	0.00	0.9	ESE
7/20/2023 08:50:00	50.2	52.3	2.0	0.00	0.00	0.00	0.9	ENE
7/20/2023 08:51:00	50.1	51.8	1.7	0.00	0.00	0.00	0.9	NE
7/20/2023 08:52:00	50.0	51.6	1.7	0.00	0.00	0.00	0.8	N
7/20/2023 08:53:00	49.9	51.3	1.5	0.00	0.00	0.00	0.9	N
7/20/2023 08:54:00	49.5	50.9	1.4	0.00	0.00	0.00	0.8	ENE
7/20/2023 08:55:00	49.3	50.2	0.9	0.00	0.00	0.00	0.9	SE
7/20/2023 08:56:00	49.5	49.7	0.2	0.00	0.01	0.01	0.9	SW
7/20/2023 08:57:00	49.7	49.3	-0.4	0.00	0.01	0.00	0.9	ESE
7/20/2023 08:58:00	49.4	49.2	-0.2	0.00	0.01	0.01	0.8	SSE
7/20/2023 08:59:00	49.3	49.4	0.1	0.00	0.01	0.01	0.9	SSW
7/20/2023 09:00:00	49.0	49.5	0.5	0.00	0.01	0.01	0.9	W
7/20/2023 09:01:00	49.5	49.8	0.3	0.00	0.01	0.00	0.9	SW
7/20/2023 09:02:00	50.3	49.6	-0.7	0.00	0.00	0.00	0.9	SE
7/20/2023 09:03:00	50.0	49.6	-0.3	0.00	0.00	0.00	1.0	SSW
7/20/2023 09:04:00	50.1	49.5	-0.6	0.00	0.00	0.00	0.9	SW
7/20/2023 09:05:00	50.3	49.5	-0.8	0.00	0.00	0.00	0.9	SW
7/20/2023 09:06:00	50.1	49.3	-0.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 09:07:00	49.9	49.1	-0.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 09:08:00	49.9	49.4	-0.4	0.00	0.00	0.00	1.0	SW
7/20/2023 09:09:00	50.0	50.1	0.1	0.00	0.00	0.00	1.0	SSW
7/20/2023 09:10:00	50.0	50.5	0.5	0.00	0.00	0.00	1.0	SSW
7/20/2023 09:11:00	48.9	50.0	1.1	0.00	0.00	0.00	1.1	SW
7/20/2023 09:12:00	47.4	49.4	1.9	0.00	0.00	0.00	1.1	SSW
7/20/2023 09:13:00	46.3	48.3	2.0	0.00	0.00	0.00	1.1	SW
7/20/2023 09:14:00	44.8	46.8	2.0	0.00	0.00	0.00	1.1	SSW
7/20/2023 09:15:00	43.3	45.0	1.8	0.00	0.00	0.00	1.1	SSW
7/20/2023 09:16:00	41.0	43.2	2.2	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
7/20/2023 09:17:00	38.5	41.8	3.3	0.00	0.00	0.00	1.1	SW
7/20/2023 09:18:00	37.1	40.1	3.0	0.00	0.00	0.00	1.1	SW
7/20/2023 09:19:00	35.1	38.6	3.4	0.00	0.00	0.00	1.1	SSW
7/20/2023 09:20:00	33.1	37.1	4.0	0.00	0.00	0.00	1.2	SW
7/20/2023 09:21:00	31.5	35.9	4.4	0.00	0.00	0.00	1.1	WSW
7/20/2023 09:22:00	30.1	34.5	4.4	0.00	0.00	0.00	1.1	E
7/20/2023 09:23:00	28.6	32.6	4.0	0.00	0.00	0.00	1.0	E
7/20/2023 09:24:00	26.9	30.9	3.9	0.00	0.00	0.00	1.0	NW
7/20/2023 09:25:00	25.2	29.8	4.5	0.00	0.00	0.00	1.0	SSE
7/20/2023 09:26:00	24.7	28.1	3.3	0.00	0.00	0.00	1.0	SE
7/20/2023 09:27:00	24.4	26.7	2.3	0.00	0.00	0.00	1.0	NE
7/20/2023 09:28:00	23.7	26.3	2.6	0.00	0.00	0.00	1.0	S
7/20/2023 09:29:00	23.2	26.4	3.1	0.00	0.00	0.00	1.0	S
7/20/2023 09:30:00	22.7	26.2	3.5	0.00	0.00	0.00	1.0	SW
7/20/2023 09:31:00	22.2	26.0	3.7	0.00	0.00	0.00	1.1	SSW
7/20/2023 09:32:00	22.2	25.2	3.0	0.00	0.00	0.00	1.0	N
7/20/2023 09:33:00	21.9	25.0	3.2	0.00	0.00	0.00	1.0	W
7/20/2023 09:34:00	22.4	24.4	2.0	0.00	0.00	0.00	1.0	SE
7/20/2023 09:35:00	22.2	25.4	3.2	0.00	0.00	0.00	1.0	SW
7/20/2023 09:36:00	21.8	25.3	3.5	0.00	0.00	0.00	1.1	SSE
7/20/2023 09:37:00	21.3	25.3	4.0	0.00	0.00	0.00	1.2	SSW
7/20/2023 09:38:00	20.7	25.1	4.4	0.00	0.00	0.00	1.2	SSW
7/20/2023 09:39:00	20.2	24.5	4.3	0.00	0.00	0.00	1.2	SSE
7/20/2023 09:40:00	20.0	23.6	3.6	0.00	0.00	0.00	1.3	S
7/20/2023 09:41:00	19.4	23.7	4.3	0.00	0.00	0.00	1.2	SSW
7/20/2023 09:42:00	18.9	23.7	4.8	0.00	0.00	0.00	1.3	W
7/20/2023 09:43:00	18.8	23.1	4.3	0.00	0.00	0.00	1.3	SSW
7/20/2023 09:44:00	19.3	22.1	2.8	0.00	0.00	0.00	1.2	ENE
7/20/2023 09:45:00	19.7	22.2	2.5	0.00	0.00	0.00	1.2	S
7/20/2023 09:46:00	20.8	22.0	1.2	0.00	0.00	0.00	1.1	NNE
7/20/2023 09:47:00	20.9	23.1	2.1	0.00	0.00	0.00	1.1	S
7/20/2023 09:48:00	21.9	23.5	1.5	0.00	0.00	0.00	1.1	WNW
7/20/2023 09:49:00	21.5	24.4	2.9	0.00	0.00	0.00	1.1	W



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/20/2023 09:50:00	21.4	23.5	2.0	0.00	0.00	0.00	1.1	SW
7/20/2023 09:51:00	21.5	23.3	1.9	0.00	0.00	0.00	1.0	SW
7/20/2023 09:52:00	22.4	23.4	1.0	0.00	0.00	0.00	1.0	SW
7/20/2023 09:53:00	23.4	23.8	0.4	0.00	0.00	0.00	1.0	SSW
7/20/2023 09:54:00	24.5	24.4	-0.1	0.00	0.00	0.00	1.2	SSW
7/20/2023 09:55:00	24.9	27.4	2.5	0.00	0.00	0.00	1.2	SW
7/20/2023 09:56:00	26.1	28.1	2.1	0.00	0.00	0.00	1.3	SW
7/20/2023 09:57:00	27.1	29.4	2.3	0.00	0.00	0.00	1.3	SSW
7/20/2023 09:58:00	28.0	30.8	2.8	0.00	0.00	0.00	1.3	SSW
7/20/2023 09:59:00	28.3	32.6	4.4	0.00	0.00	0.00	1.4	SW
7/20/2023 10:00:00	28.6	33.9	5.3	0.00	0.00	0.00	1.5	WSW
7/20/2023 10:01:00	28.0	35.8	7.8	0.00	0.00	0.00	1.6	S
7/20/2023 10:02:00	27.6	36.9	9.3	0.00	0.00	0.00	1.7	SSW
7/20/2023 10:03:00	26.3	38.5	12.2	0.00	0.00	0.00	1.8	SSW
7/20/2023 10:04:00	25.5	38.3	12.7	0.00	0.00	0.00	1.9	SW
7/20/2023 10:05:00	25.4	38.2	12.8	0.00	0.00	0.00	1.9	SSW
7/20/2023 10:06:00	25.5	37.5	12.0	0.00	0.00	0.00	1.9	E
7/20/2023 10:07:00	24.2	37.1	12.9	0.00	0.00	0.00	2.0	SSE
7/20/2023 10:08:00	23.1	36.0	12.8	0.00	0.00	0.00	1.9	SE
7/20/2023 10:09:00	22.2	34.7	12.4	0.00	0.00	0.00	1.8	ESE
7/20/2023 10:10:00	21.6	31.1	9.4	0.00	0.00	0.00	1.8	ENE
7/20/2023 10:11:00	20.2	29.8	9.6	0.00	0.00	0.00	1.8	ESE
7/20/2023 10:12:00	19.0	28.0	9.0	0.00	0.00	0.00	1.7	NE
7/20/2023 10:13:00	18.0	26.2	8.2	0.00	0.00	0.00	1.7	E
7/20/2023 10:14:00	17.0	24.2	7.2	0.00	0.00	0.00	1.6	ENE
7/20/2023 10:15:00	15.9	22.1	6.2	0.00	0.00	0.00	1.5	SW
7/20/2023 10:16:00	15.0	20.9	5.9	0.00	0.00	0.00	1.5	SW
7/20/2023 10:17:00	15.3	18.4	3.0	0.00	0.00	0.00	1.4	SE
7/20/2023 10:18:00	15.4	15.4	0.0	0.00	0.00	0.00	1.3	ENE
7/20/2023 10:19:00	15.5	14.3	-1.2	0.00	0.00	0.00	1.2	NE
7/20/2023 10:20:00	15.5	13.3	-2.1	0.00	0.00	0.00	1.2	ENE
7/20/2023 10:21:00	14.9	13.4	-1.4	0.00	0.00	0.00	1.2	SSW
7/20/2023 10:22:00	14.9	13.2	-1.7	0.00	0.00	0.00	1.1	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
7/20/2023 10:23:00	14.5	13.8	-0.7	0.00	0.00	0.00	1.2	S
7/20/2023 10:24:00	14.0	14.3	0.3	0.00	0.00	0.00	1.2	SSW
7/20/2023 10:25:00	13.6	14.5	0.9	0.00	0.00	0.00	1.2	SW
7/20/2023 10:26:00	13.4	14.4	1.0	0.00	0.00	0.00	1.1	NNE
7/20/2023 10:27:00	13.4	14.3	0.9	0.00	0.00	0.00	1.1	NE
7/20/2023 10:28:00	13.4	14.1	0.8	0.00	0.00	0.00	1.0	NE
7/20/2023 10:29:00	13.5	14.1	0.6	0.00	0.00	0.00	1.0	E
7/20/2023 10:30:00	14.0	14.5	0.5	0.00	0.00	0.00	1.1	S
7/20/2023 10:31:00	14.8	14.1	-0.7	0.00	0.00	0.00	1.1	S
7/20/2023 10:32:00	14.3	15.5	1.3	0.00	0.00	0.00	1.2	SW
7/20/2023 10:33:00	14.4	16.7	2.3	0.00	0.00	0.00	1.2	SSW
7/20/2023 10:34:00	14.7	17.9	3.3	0.00	0.00	0.00	1.2	NNW
7/20/2023 10:35:00	16.9	19.1	2.2	0.03	0.00	-0.03	1.2	ESE
7/20/2023 10:36:00	19.1	20.1	1.0	0.08	0.00	-0.08	1.2	NNE
7/20/2023 10:37:00	19.9	21.3	1.4	0.08	0.01	-0.06	1.2	SW
7/20/2023 10:38:00	20.7	20.9	0.2	0.08	0.01	-0.06	1.1	E
7/20/2023 10:39:00	21.2	21.6	0.4	0.08	0.01	-0.06	1.1	SSE
7/20/2023 10:40:00	21.5	22.5	1.0	0.08	0.01	-0.06	1.1	SSE
7/20/2023 10:41:00	21.5	23.7	2.2	0.08	0.01	-0.06	1.2	SSW
7/20/2023 10:42:00	21.6	25.1	3.5	0.08	0.01	-0.06	1.2	SSE
7/20/2023 10:43:00	22.4	25.3	2.9	0.08	0.01	-0.06	1.2	NNE
7/20/2023 10:44:00	22.5	25.2	2.7	0.08	0.01	-0.06	1.3	ENE
7/20/2023 10:45:00	22.1	24.9	2.8	0.08	0.01	-0.06	1.3	SSE
7/20/2023 10:46:00	21.4	24.9	3.6	0.08	0.01	-0.06	1.3	S
7/20/2023 10:47:00	22.1	24.3	2.2	0.08	0.01	-0.06	1.3	S
7/20/2023 10:48:00	22.6	24.7	2.1	0.08	0.01	-0.06	1.3	SE
7/20/2023 10:49:00	22.9	24.7	1.9	0.08	0.01	-0.06	1.3	SSE
7/20/2023 10:50:00	20.7	24.8	4.0	0.05	0.01	-0.03	1.3	SSW
7/20/2023 10:51:00	19.8	23.9	4.1	0.00	0.01	0.01	1.2	NE
7/20/2023 10:52:00	19.8	22.7	3.0	0.00	0.00	0.00	1.2	ESE
7/20/2023 10:53:00	19.6	22.7	3.1	0.00	0.00	0.00	1.2	NNW
7/20/2023 10:54:00	20.3	21.8	1.5	0.00	0.00	0.00	1.1	SE
7/20/2023 10:55:00	21.5	20.9	-0.6	0.00	0.00	0.00	1.1	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
7/20/2023 10:56:00	21.8	20.1	-1.7	0.00	0.00	0.00	1.0	ENE
7/20/2023 10:57:00	23.0	19.0	-4.0	0.00	0.00	0.00	1.0	NE
7/20/2023 10:58:00	24.0	19.4	-4.6	0.00	0.00	0.00	1.0	ENE
7/20/2023 10:59:00	24.5	18.6	-5.8	0.00	0.00	0.00	0.9	NE
7/20/2023 11:00:00	24.7	17.6	-7.1	0.00	0.00	0.00	0.8	S
7/20/2023 11:01:00				0.00	0.00	0.00	0.7	SSW
7/20/2023 11:02:00				0.00	0.00	0.00	0.7	SW
7/20/2023 11:03:00	28.9	13.8	-15.1	0.00	0.00	0.00	0.8	SW
7/20/2023 11:04:00	25.6	20.5	-5.1	0.00	0.00	0.00	0.8	S
7/20/2023 11:05:00	22.5	18.7	-3.8	0.00	0.00	0.00	0.8	S
7/20/2023 11:06:00	19.7	17.4	-2.2	0.00	0.00	0.00	0.8	SSW
7/20/2023 11:07:00	17.7	16.9	-0.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 11:08:00	16.3	16.6	0.4	0.00	0.00	0.00	1.0	SSW
7/20/2023 11:09:00	15.3	15.9	0.6	0.00	0.00	0.00	1.0	S
7/20/2023 11:10:00	14.8	15.3	0.5	0.00	0.00	0.00	1.0	NE
7/20/2023 11:11:00	14.4	15.2	0.8	0.00	0.00	0.00	1.0	S
7/20/2023 11:12:00	14.1	15.0	0.9	0.00	0.00	0.00	1.0	SSW
7/20/2023 11:13:00	13.9	14.5	0.6	0.00	0.00	0.00	1.0	NNW
7/20/2023 11:14:00	13.7	14.3	0.6	0.00	0.00	0.00	1.1	WNW
7/20/2023 11:15:00	13.4	14.2	0.7	0.00	0.00	0.00	1.1	NW
7/20/2023 11:16:00	13.5	13.9	0.4	0.00	0.00	0.00	1.0	ESE
7/20/2023 11:17:00	13.6	14.0	0.4	0.00	0.00	0.00	1.0	ENE
7/20/2023 11:18:00	12.5	14.2	1.7	0.00	0.00	0.00	0.9	NE
7/20/2023 11:19:00	12.0	13.4	1.4	0.00	0.00	0.00	0.9	ENE
7/20/2023 11:20:00	11.8	13.3	1.6	0.00	0.00	0.00	0.9	SSW
7/20/2023 11:21:00	11.8	13.2	1.4	0.00	0.00	0.00	1.0	SSW
7/20/2023 11:22:00	11.9	12.9	1.1	0.00	0.00	0.00	0.9	WSW
7/20/2023 11:23:00	12.0	12.7	0.7	0.00	0.00	0.00	0.8	SSW
7/20/2023 11:24:00	12.1	12.9	0.8	0.00	0.00	0.00	0.9	SSW
7/20/2023 11:25:00	12.3	15.5	3.2	0.00	0.00	0.00	0.9	S
7/20/2023 11:26:00	12.5	16.9	4.4	0.00	0.00	0.00	1.0	S
7/20/2023 11:27:00	12.7	18.2	5.5	0.00	0.00	0.00	1.0	S
7/20/2023 11:28:00	12.7	21.3	8.6	0.00	0.00	0.00	1.1	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
7/20/2023 11:29:00	13.3	22.0	8.7	0.00	0.00	0.00	1.3	SSW
7/20/2023 11:30:00	14.2	22.7	8.5	0.00	0.00	0.00	1.4	SSW
7/20/2023 11:31:00	14.2	23.7	9.5	0.00	0.00	0.00	1.5	SSW
7/20/2023 11:32:00	14.1	24.5	10.4	0.00	0.00	0.00	1.6	SSW
7/20/2023 11:33:00	14.4	25.0	10.6	0.00	0.00	0.00	1.7	S
7/20/2023 11:34:00	15.2	25.8	10.6	0.00	0.00	0.00	1.8	S
7/20/2023 11:35:00	15.4	26.6	11.2	0.00	0.00	0.00	1.8	S
7/20/2023 11:36:00	17.4	27.3	9.9	0.00	0.00	0.00	1.7	SSE
7/20/2023 11:37:00	19.0	27.9	8.9	0.00	0.00	0.00	1.7	N
7/20/2023 11:38:00	19.5	28.7	9.1	0.00	0.00	0.00	1.8	SSW
7/20/2023 11:39:00	20.0	28.9	8.9	0.00	0.00	0.00	1.8	SSW
7/20/2023 11:40:00	20.5	26.7	6.2	0.00	0.00	0.00	1.9	SW
7/20/2023 11:41:00	21.1	25.2	4.1	0.00	0.00	0.00	1.9	SSW
7/20/2023 11:42:00	22.2	24.0	1.8	0.00	0.00	0.00	1.9	S
7/20/2023 11:43:00	23.8	21.2	-2.6	0.00	0.00	0.00	1.8	SSW
7/20/2023 11:44:00	24.7	20.7	-4.0	0.00	0.00	0.00	1.7	SSE
7/20/2023 11:45:00	23.9	20.8	-3.1	0.00	0.00	0.00	1.6	E
7/20/2023 11:46:00	24.7	20.1	-4.6	0.00	0.00	0.00	1.5	WSW
7/20/2023 11:47:00	25.0	19.4	-5.6	0.00	0.00	0.00	1.4	WSW
7/20/2023 11:48:00	25.1	18.6	-6.5	0.00	0.00	0.00	1.3	ENE
7/20/2023 11:49:00	24.4	17.6	-6.8	0.00	0.00	0.00	1.2	SE
7/20/2023 11:50:00	24.1	16.9	-7.2	0.00	0.00	0.00	1.3	SSW
7/20/2023 11:51:00	22.1	16.6	-5.5	0.00	0.00	0.00	1.2	SSE
7/20/2023 11:52:00	20.4	16.3	-4.1	0.00	0.00	0.00	1.2	WSW
7/20/2023 11:53:00	19.9	15.6	-4.2	0.00	0.00	0.00	1.2	S
7/20/2023 11:54:00	19.4	15.3	-4.1	0.00	0.00	0.00	1.1	S
7/20/2023 11:55:00	18.8	14.8	-4.0	0.00	0.00	0.00	1.0	E
7/20/2023 11:56:00	18.2	14.6	-3.6	0.00	0.00	0.00	1.0	E
7/20/2023 11:57:00	17.1	14.6	-2.5	0.00	0.00	0.00	1.0	E
7/20/2023 11:58:00	15.4	14.5	-0.9	0.00	0.00	0.00	1.0	NE
7/20/2023 11:59:00	14.0	14.2	0.2	0.00	0.00	0.00	0.9	E
7/20/2023 12:00:00	13.8	13.3	-0.5	0.00	0.00	0.00	0.9	S
7/20/2023 12:01:00	12.8	13.2	0.4	0.00	0.00	0.00	0.9	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
7/20/2023 12:02:00	12.4	12.8	0.4	0.00	0.00	0.00	0.8	NE
7/20/2023 12:03:00	12.2	12.5	0.4	0.00	0.00	0.00	0.9	ENE
7/20/2023 12:04:00	11.6	12.6	1.0	0.00	0.00	0.00	0.9	W
7/20/2023 12:05:00	11.5	12.4	0.9	0.00	0.00	0.00	0.8	SW
7/20/2023 12:06:00	11.7	12.2	0.6	0.00	0.00	0.00	0.8	SW
7/20/2023 12:07:00	11.8	11.7	-0.1	0.00	0.00	0.00	0.8	NNE
7/20/2023 12:08:00	11.8	11.7	-0.1	0.00	0.00	0.00	0.7	WSW
7/20/2023 12:09:00	11.7	11.7	0.0	0.00	0.00	0.00	0.7	SSE
7/20/2023 12:10:00	11.3	11.8	0.5	0.00	0.00	0.00	0.8	SW
7/20/2023 12:11:00	11.2	11.7	0.5	0.00	0.00	0.00	0.7	SSE
7/20/2023 12:12:00	11.1	11.4	0.3	0.00	0.00	0.00	0.6	SE
7/20/2023 12:13:00	11.1	11.2	0.0	0.00	0.00	0.00	0.6	ESE
7/20/2023 12:14:00	11.3	11.1	-0.2	0.00	0.00	0.00	0.6	NE
7/20/2023 12:15:00	11.7	10.9	-0.8	0.00	0.00	0.00	0.7	SE
7/20/2023 12:16:00	12.0	10.8	-1.2	0.00	0.00	0.00	0.8	SE
7/20/2023 12:17:00	12.0	10.7	-1.2	0.00	0.00	0.00	0.8	ESE
7/20/2023 12:18:00	11.7	10.9	-0.8	0.00	0.00	0.00	0.8	S
7/20/2023 12:19:00	11.9	10.6	-1.3	0.00	0.00	0.00	0.8	ENE
7/20/2023 12:20:00	12.1	10.4	-1.7	0.00	0.00	0.00	0.8	E
7/20/2023 12:21:00	11.9	10.5	-1.5	0.00	0.00	0.00	0.8	SSW
7/20/2023 12:22:00	12.0	10.6	-1.4	0.00	0.00	0.00	0.8	E
7/20/2023 12:23:00	12.2	10.6	-1.7	0.00	0.00	0.00	0.8	SE
7/20/2023 12:24:00	12.4	10.5	-1.8	0.00	0.00	0.00	0.8	SSE
7/20/2023 12:25:00	12.6	10.6	-2.0	0.00	0.00	0.00	0.8	ESE
7/20/2023 12:26:00	12.7	11.4	-1.3	0.00	0.00	0.00	0.9	ESE
7/20/2023 12:27:00	13.2	11.8	-1.4	0.00	0.00	0.00	0.9	NE
7/20/2023 12:28:00	13.3	12.3	-1.0	0.00	0.00	0.00	0.9	SW
7/20/2023 12:29:00	13.5	12.4	-1.0	0.00	0.00	0.00	0.9	E
7/20/2023 12:30:00	13.5	12.7	-0.8	0.00	0.00	0.00	0.9	SE
7/20/2023 12:31:00	14.2	13.1	-1.1	0.00	0.00	0.00	0.8	SSE
7/20/2023 12:32:00	14.3	14.5	0.3	0.00	0.00	0.00	0.8	S
7/20/2023 12:33:00	14.4	15.1	0.6	0.00	0.00	0.00	0.8	SSW
7/20/2023 12:34:00	14.6	15.2	0.6	0.00	0.00	0.00	0.8	N

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
7/20/2023 12:35:00	14.5	15.4	0.9	0.00	0.00	0.00	0.8	S
7/20/2023 12:36:00	14.4	15.3	0.9	0.00	0.00	0.00	0.8	SSW
7/20/2023 12:37:00	14.1	15.3	1.1	0.00	0.00	0.00	0.8	SSW
7/20/2023 12:38:00	13.9	15.6	1.7	0.00	0.00	0.00	0.8	SSW
7/20/2023 12:39:00	13.8	16.0	2.2	0.00	0.00	0.00	0.9	SSW
7/20/2023 12:40:00	13.6	16.4	2.8	0.00	0.00	0.00	0.9	WSW
7/20/2023 12:41:00	13.3	16.2	2.9	0.00	0.00	0.00	0.9	WSW
7/20/2023 12:42:00	12.7	16.4	3.8	0.00	0.00	0.00	1.0	WSW
7/20/2023 12:43:00	12.6	16.6	4.0	0.00	0.00	0.00	1.0	SW
7/20/2023 12:44:00	12.2	16.6	4.5	0.00	0.00	0.00	1.0	W
7/20/2023 12:45:00	11.7	16.6	4.9	0.00	0.00	0.00	1.1	W
7/20/2023 12:46:00	10.7	16.6	5.8	0.00	0.00	0.00	1.1	W
7/20/2023 12:47:00	10.6	15.3	4.8	0.00	0.00	0.00	1.1	SSW
7/20/2023 12:48:00	10.5	14.9	4.4	0.00	0.00	0.00	1.1	S
7/20/2023 12:49:00	10.4	15.0	4.6	0.00	0.00	0.00	1.1	ESE
7/20/2023 12:50:00	10.8	15.1	4.3	0.00	0.00	0.00	1.1	ESE
7/20/2023 12:51:00	11.5	15.7	4.2	0.00	0.00	0.00	1.1	E
7/20/2023 12:52:00	12.2	16.2	4.0	0.00	0.00	0.00	1.1	NNW
7/20/2023 12:53:00	12.9	16.6	3.7	0.00	0.00	0.00	1.1	NNE
7/20/2023 12:54:00	13.7	16.8	3.2	0.00	0.00	0.00	1.1	ENE
7/20/2023 12:55:00	14.5	16.9	2.4	0.00	0.00	0.00	1.1	ESE
7/20/2023 12:56:00	15.4	17.7	2.3	0.00	0.00	0.00	1.1	E
7/20/2023 12:57:00	16.4	19.3	2.9	0.00	0.00	0.00	1.0	NE
7/20/2023 12:58:00	17.1	19.9	2.8	0.00	0.00	0.00	1.0	NNW
7/20/2023 12:59:00	17.9	20.8	2.9	0.00	0.00	0.00	0.9	W
7/20/2023 13:00:00	19.6	21.4	1.8	0.00	0.00	0.00	0.9	NE
7/20/2023 13:01:00	20.2	22.5	2.3	0.00	0.00	0.00	0.9	SSE
7/20/2023 13:02:00	21.0	23.9	2.9	0.00	0.00	0.00	0.9	W
7/20/2023 13:03:00	22.2	24.4	2.1	0.00	0.00	0.00	0.9	ENE
7/20/2023 13:04:00	23.3	25.0	1.7	0.00	0.00	0.00	0.9	WNW
7/20/2023 13:05:00	24.0	26.3	2.3	0.00	0.00	0.00	0.9	WNW
7/20/2023 13:06:00	24.6	27.7	3.0	0.00	0.00	0.00	0.9	NW
7/20/2023 13:07:00	26.2	28.4	2.2	0.00	0.00	0.00	0.9	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
7/20/2023 13:08:00	27.0	28.8	1.8	0.00	0.00	0.00	0.9	E
7/20/2023 13:09:00	27.5	29.4	2.0	0.00	0.00	0.00	0.8	ENE
7/20/2023 13:10:00	28.3	30.0	1.7	0.00	0.00	0.00	0.9	N
7/20/2023 13:11:00	29.0	30.1	1.1	0.00	0.00	0.00	0.9	NNE
7/20/2023 13:12:00	29.1	29.5	0.4	0.00	0.00	0.00	0.9	NNW
7/20/2023 13:13:00	29.7	29.9	0.2	0.00	0.00	0.00	1.0	W
7/20/2023 13:14:00	30.0	29.9	0.0	0.00	0.00	0.00	1.0	NNE
7/20/2023 13:15:00	29.1	30.4	1.3	0.00	0.00	0.00	0.9	ESE
7/20/2023 13:16:00	29.5	29.9	0.4	0.00	0.00	0.00	0.9	ESE
7/20/2023 13:17:00	29.9	29.8	-0.2	0.00	0.00	0.00	0.9	NW
7/20/2023 13:18:00	29.8	30.7	0.8	0.00	0.00	0.00	1.0	NNW
7/20/2023 13:19:00	30.2	31.0	0.8	0.00	0.00	0.00	1.0	NW
7/20/2023 13:20:00	30.2	31.1	0.9	0.00	0.00	0.00	1.0	WNW
7/20/2023 13:21:00	30.2	30.0	-0.1	0.00	0.00	0.00	1.0	NNE
7/20/2023 13:22:00	29.4	29.5	0.1	0.00	0.00	0.00	1.0	NNW
7/20/2023 13:23:00	28.9	29.6	0.8	0.00	0.00	0.00	1.0	NW
7/20/2023 13:24:00	28.8	29.7	0.9	0.00	0.00	0.00	1.0	WNW
7/20/2023 13:25:00	28.4	30.3	1.9	0.00	0.00	0.00	1.0	W
7/20/2023 13:26:00	28.8	30.3	1.6	0.00	0.00	0.00	1.0	NNW
7/20/2023 13:27:00	28.9	31.1	2.1	0.00	0.00	0.00	1.0	NW
7/20/2023 13:28:00	29.1	30.5	1.4	0.00	0.00	0.00	1.0	N
7/20/2023 13:29:00	29.1	30.5	1.4	0.00	0.00	0.00	1.0	NE
7/20/2023 13:30:00	29.5	30.6	1.1	0.00	0.00	0.00	1.1	NE
7/20/2023 13:31:00	29.6	31.1	1.5	0.00	0.00	0.00	1.1	WSW
7/20/2023 13:32:00	31.1	30.7	-0.4	0.00	0.00	0.00	1.0	SE
7/20/2023 13:33:00	32.7	29.9	-2.8	0.00	0.00	0.00	1.0	N
7/20/2023 13:34:00	32.0	32.0	0.0	0.00	0.00	0.00	1.0	NW
7/20/2023 13:35:00	32.1	33.2	1.1	0.00	0.00	0.00	1.1	NW
7/20/2023 13:36:00	33.9	33.3	-0.6	0.00	0.00	0.00	1.0	E
7/20/2023 13:37:00	33.9	33.7	-0.3	0.00	0.00	0.00	1.1	E
7/20/2023 13:38:00	33.9	33.6	-0.3	0.00	0.00	0.00	1.1	ESE
7/20/2023 13:39:00	33.7	34.9	1.2	0.00	0.00	0.00	1.1	ESE
7/20/2023 13:40:00	35.7	34.4	-1.2	0.00	0.00	0.00	1.1	WNW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/20/2023 13:41:00	34.7	35.9	1.2	0.00	0.00	0.00	1.0	E
7/20/2023 13:42:00	34.2	35.1	0.9	0.00	0.00	0.00	1.0	SE
7/20/2023 13:43:00	34.0	35.1	1.1	0.00	0.00	0.00	1.0	NW
7/20/2023 13:44:00	35.1	35.4	0.3	0.00	0.00	0.00	1.0	E
7/20/2023 13:45:00	35.5	35.5	0.0	0.00	0.00	0.00	1.0	SE
7/20/2023 13:46:00	35.8	36.5	0.7	0.00	0.00	0.00	0.9	E
7/20/2023 13:47:00	34.9	36.9	2.0	0.00	0.00	0.00	0.9	SE
7/20/2023 13:48:00	33.0	37.8	4.8	0.00	0.00	0.00	1.0	SSE
7/20/2023 13:49:00	33.6	35.8	2.2	0.00	0.00	0.00	1.0	NNW
7/20/2023 13:50:00	34.4	34.2	-0.2	0.00	0.00	0.00	0.9	ESE
7/20/2023 13:51:00	33.3	34.1	0.8	0.00	0.00	0.00	0.9	NNE
7/20/2023 13:52:00	32.9	34.0	1.1	0.00	0.00	0.00	0.9	NNW
7/20/2023 13:53:00	32.9	34.2	1.3	0.00	0.00	0.00	0.9	NW
7/20/2023 13:54:00	34.0	32.3	-1.8	0.00	0.00	0.00	0.8	NNW
7/20/2023 13:55:00	32.1	31.5	-0.6	0.00	0.00	0.00	0.8	NNW
7/20/2023 13:56:00	33.1	29.2	-3.9	0.00	0.00	0.00	0.9	NNW
7/20/2023 13:57:00	33.7	28.6	-5.1	0.00	0.00	0.00	0.9	NE
7/20/2023 13:58:00	33.4	28.4	-5.0	0.00	0.00	0.00	0.9	ENE
7/20/2023 13:59:00	32.3	28.8	-3.5	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:00:00	31.6	28.9	-2.7	0.00	0.00	0.00	0.9	WNW
7/20/2023 14:01:00	30.9	28.7	-2.2	0.00	0.00	0.00	0.9	NW
7/20/2023 14:02:00	30.4	29.0	-1.4	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:03:00	31.0	28.3	-2.7	0.00	0.00	0.00	1.0	N
7/20/2023 14:04:00	30.7	28.3	-2.4	0.00	0.00	0.00	0.9	N
7/20/2023 14:05:00	29.7	27.9	-1.8	0.00	0.00	0.00	0.9	SE
7/20/2023 14:06:00	28.9	27.8	-1.1	0.00	0.00	0.00	1.0	NNW
7/20/2023 14:07:00	30.0	27.8	-2.3	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:08:00	31.6	27.2	-4.4	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:09:00	30.7	28.1	-2.6	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:10:00	30.8	29.8	-1.1	0.00	0.00	0.00	0.9	SSW
7/20/2023 14:11:00	29.8	30.3	0.6	0.00	0.00	0.00	0.9	S
7/20/2023 14:12:00	29.5	29.9	0.3	0.00	0.00	0.00	0.9	NE
7/20/2023 14:13:00	29.4	30.5	1.1	0.00	0.00	0.00	0.9	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/20/2023 14:14:00	29.5	31.9	2.4	0.00	0.00	0.00	0.9	W
7/20/2023 14:15:00	30.0	32.3	2.4	0.01	0.00	-0.01	0.9	NW
7/20/2023 14:16:00	31.4	31.1	-0.3	0.01	0.00	0.00	0.9	NE
7/20/2023 14:17:00	32.3	30.3	-2.0	0.01	0.00	0.00	0.9	NNE
7/20/2023 14:18:00	31.7	29.9	-1.8	0.01	0.00	0.00	0.9	ENE
7/20/2023 14:19:00	31.1	30.5	-0.7	0.01	0.00	0.00	1.0	WNW
7/20/2023 14:20:00	31.0	31.6	0.6	0.01	0.00	0.00	0.9	WNW
7/20/2023 14:21:00	31.8	31.6	-0.1	0.01	0.00	0.00	0.9	NE
7/20/2023 14:22:00	31.9	31.6	-0.3	0.01	0.00	0.00	0.9	SE
7/20/2023 14:23:00	30.8	31.5	0.7	0.01	0.00	0.00	1.0	N
7/20/2023 14:24:00	31.6	31.4	-0.2	0.01	0.00	0.00	1.0	SE
7/20/2023 14:25:00	32.3	30.2	-2.1	0.01	0.00	0.00	1.0	NNE
7/20/2023 14:26:00	34.5	29.8	-4.7	0.01	0.00	0.00	0.9	ESE
7/20/2023 14:27:00	36.5	30.3	-6.3	0.01	0.00	0.00	0.9	NNW
7/20/2023 14:28:00	36.2	30.9	-5.3	0.01	0.00	0.00	0.9	WNW
7/20/2023 14:29:00	37.3	28.7	-8.6	0.00	0.00	0.00	0.9	ESE
7/20/2023 14:30:00	37.6	27.8	-9.8	0.00	0.00	0.00	0.9	N
7/20/2023 14:31:00	36.2	27.7	-8.6	0.00	0.00	0.00	0.9	NNW
7/20/2023 14:32:00	36.7	27.8	-8.9	0.00	0.00	0.00	0.9	NNE
7/20/2023 14:33:00	38.3	27.9	-10.4	0.00	0.00	0.00	0.8	NNW
7/20/2023 14:34:00	39.0	27.1	-11.9	0.00	0.00	0.00	0.8	SE
7/20/2023 14:35:00	39.0	26.6	-12.4	0.00	0.00	0.00	0.8	SSW
7/20/2023 14:36:00	38.4	26.3	-12.1	0.00	0.00	0.00	0.9	NNE
7/20/2023 14:37:00	37.3	27.4	-9.8	0.00	0.00	0.00	0.9	WNW
7/20/2023 14:38:00	36.6	27.8	-8.7	0.00	0.00	0.00	0.9	W
7/20/2023 14:39:00	35.4	27.3	-8.1	0.01	0.00	-0.01	0.9	NW
7/20/2023 14:40:00	34.8	29.2	-5.6	0.01	0.00	-0.01	1.0	W
7/20/2023 14:41:00	33.1	30.0	-3.1	0.01	0.00	-0.01	1.0	SSE
7/20/2023 14:42:00	30.8	32.4	1.6	0.01	0.00	-0.01	1.0	W
7/20/2023 14:43:00	30.9	34.2	3.4	0.01	0.00	-0.01	1.0	WNW
7/20/2023 14:44:00	29.8	36.1	6.3	0.01	0.00	-0.01	1.0	SSE
7/20/2023 14:45:00	32.5	36.1	3.6	0.01	0.00	-0.01	1.0	ENE
7/20/2023 14:46:00	33.9	36.1	2.2	0.01	0.00	-0.01	1.0	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
7/20/2023 14:47:00	33.2	35.9	2.7	0.01	0.00	-0.01	0.9	ESE
7/20/2023 14:48:00	32.3	35.4	3.1	0.01	0.00	-0.01	0.9	NNW
7/20/2023 14:49:00	31.1	36.5	5.4	0.01	0.00	-0.01	1.0	WSW
7/20/2023 14:50:00	31.6	35.4	3.8	0.01	0.00	-0.01	1.0	NNE
7/20/2023 14:51:00	31.2	35.5	4.3	0.01	0.00	-0.01	1.1	E
7/20/2023 14:52:00	31.1	34.2	3.1	0.01	0.00	-0.01	1.1	E
7/20/2023 14:53:00	32.0	33.9	1.9	0.01	0.00	0.00	1.0	E
7/20/2023 14:54:00	32.3	33.5	1.2	0.00	0.00	0.00	1.0	E
7/20/2023 14:55:00	32.1	30.9	-1.2	0.00	0.00	0.00	0.9	E
7/20/2023 14:56:00	31.6	31.6	0.0	0.00	0.00	0.00	0.9	WNW
7/20/2023 14:57:00	32.1	32.1	0.0	0.00	0.00	0.00	1.0	W
7/20/2023 14:58:00				0.00	0.00	0.00	1.0	E
7/20/2023 14:59:00				0.00	0.00	0.00	1.0	NNW
7/20/2023 15:00:00	55.6	16.6	-39.0	0.00	0.00	0.00	1.0	NNW
7/20/2023 15:01:00	36.5	24.9	-11.6	0.00	0.00	0.00	1.1	NNE
7/20/2023 15:02:00	29.1	23.8	-5.3	0.00	0.00	0.00	1.1	N
7/20/2023 15:03:00	26.3	22.0	-4.3	0.00	0.00	0.00	1.1	N
7/20/2023 15:04:00	30.6	21.8	-8.8	0.00	0.00	0.00	1.1	NE
7/20/2023 15:05:00	29.9	22.6	-7.2	0.00	0.00	0.00	1.1	NNE
7/20/2023 15:06:00	36.1	22.2	-14.0	0.00	0.00	0.00	1.0	SE
7/20/2023 15:07:00	38.9	21.6	-17.3	0.00	0.00	0.00	1.0	ESE
7/20/2023 15:08:00	36.2	26.1	-10.1	0.00	0.00	0.00	1.0	SSE
7/20/2023 15:09:00	37.7	24.8	-12.9	0.00	0.00	0.00	1.0	E
7/20/2023 15:10:00	35.9	26.0	-9.9	0.00	0.00	0.00	1.0	W
7/20/2023 15:11:00	36.8	25.4	-11.3	0.00	0.00	0.00	1.0	NNW
7/20/2023 15:12:00	36.6	25.0	-11.6	0.00	0.00	0.00	1.0	SE
7/20/2023 15:13:00	36.1	24.7	-11.4	0.00	0.00	0.00	1.0	NE
7/20/2023 15:14:00	34.9	24.5	-10.4	0.00	0.00	0.00	0.9	E
7/20/2023 15:15:00	32.0	24.7	-7.3	0.00	0.00	0.00	0.9	E