

# DAILY FIELD REPORT 105

Prepared By: LANGAN

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

<b>BCP Project No:</b>	C231153	<b>Date:</b>	October 28, 2023
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<b>Project Name:</b>	Kasser Scrap Metal and Rector Cleaners Site	<b>Time:</b>	9:00 am to 4:30 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> Tom Herold (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 30-foot-long by 20-foot-wide area from about 5 feet below grade surface (bgs) to about 10 feet bgs in the eastern part of WC03\_5-10 to prepare for lagging installation. Excavated soil/fill was graded adjacent to the excavation area.
- Excavated soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed one casing for one caisson using an Urban Custom Build Drill Rig in the southeastern part of the site.
- Urban began installing one rock socket for one caisson using a Bauer BG28H Drill 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)
	124	2,480	51	1,020	0	-	14	280

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

**Samples Collected:**

- No samples were collected.

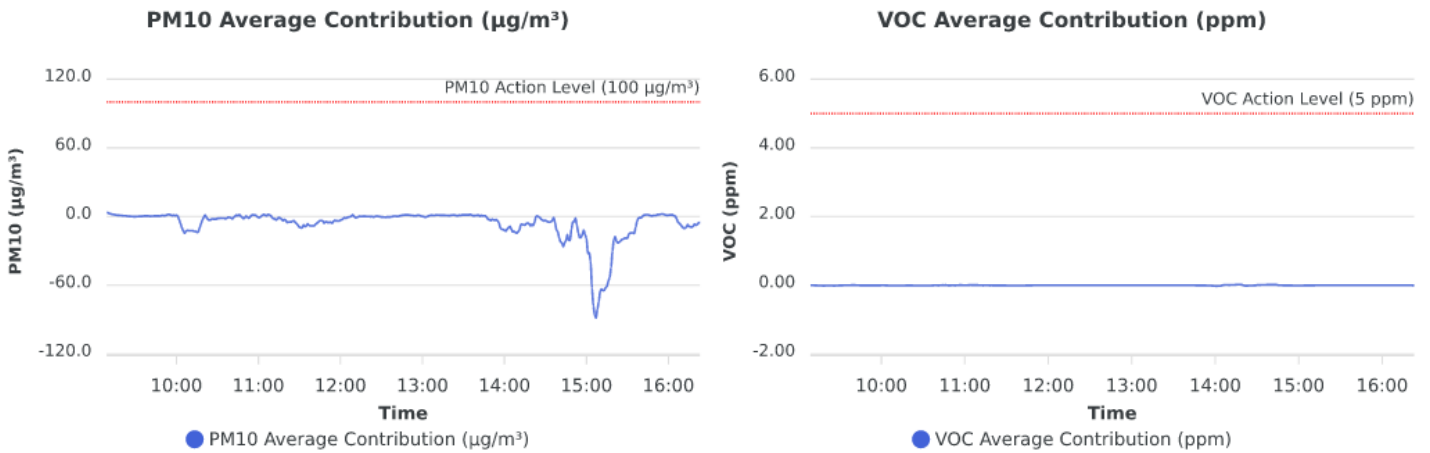
**Air Monitoring:**

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

Particulate Monitoring ( $\mu\text{g}/\text{m}^3$ )		Organic Vapor Monitoring (ppm)	
Daily Background	7.6	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-88.6	VOC Average Site Contribution (Minimum)	-0.02
PM10 Average Site Contribution (Maximum)	3.6	VOC Average Site Contribution (Maximum)	0.02

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

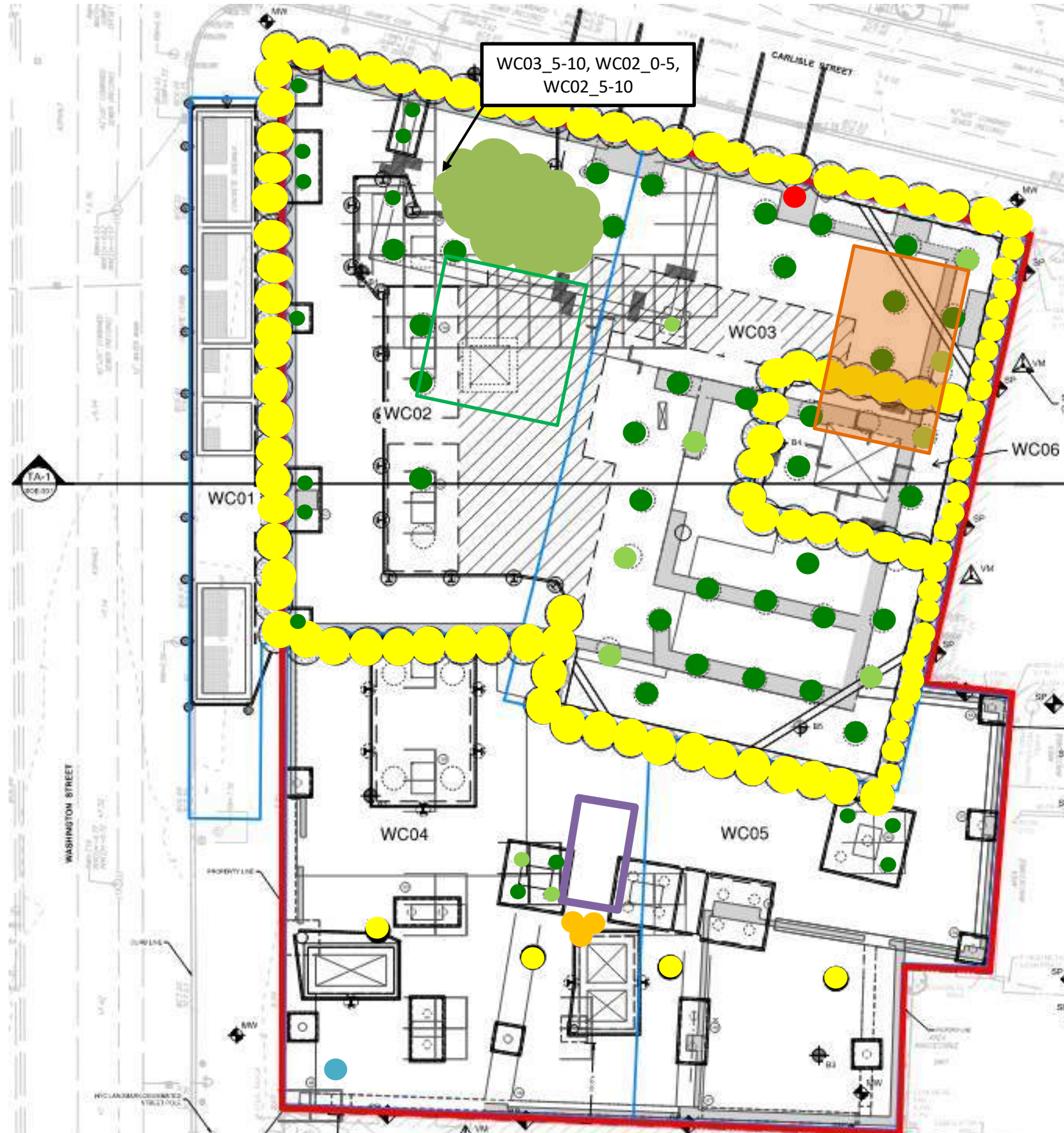
ppm: parts per million.

















**Planned Activities:**

- Urban will continue installing caisson casings throughout the site.
- Urban will export soil/fill.

**SITE PLAN**



-  Site Boundary
-  Waste Characterization Grid Boundary
-  CAMP station 1
-  CAMP station 2
-  Stockpile - Soil (no impacts)
-  Stockpile - C&D
-  Approximate Location of Excavation
-  Approximate Area of Grading
-  Approximate Backfill Location
-  Completed Soil-Mix Column
-  Completed Caisson Casing
-  Completed Caisson
-  Reinstalled Soil-Mix Column as part of the In-Situ Stabilization of NAPL-contaminated Soil
-  Approximate Location of the Former UST

**Note:** Waste characterization grid areas were developed by PT Consultants and Urban and is shown on this site plan for reference only.



### Photo Log

**Photo 1:** View of Urban excavating soil/fill in WC03\_5-10 (facing south).



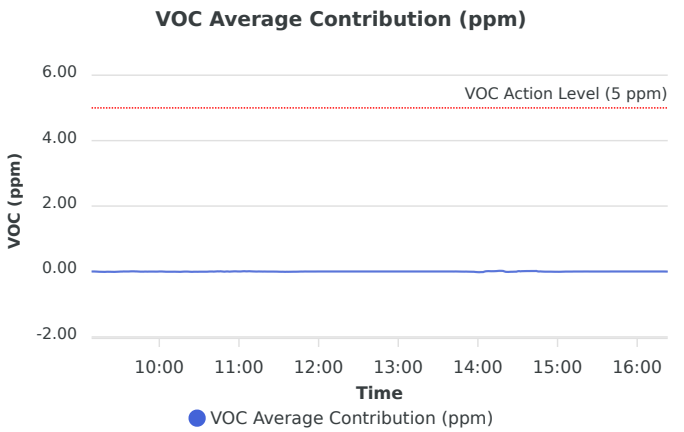
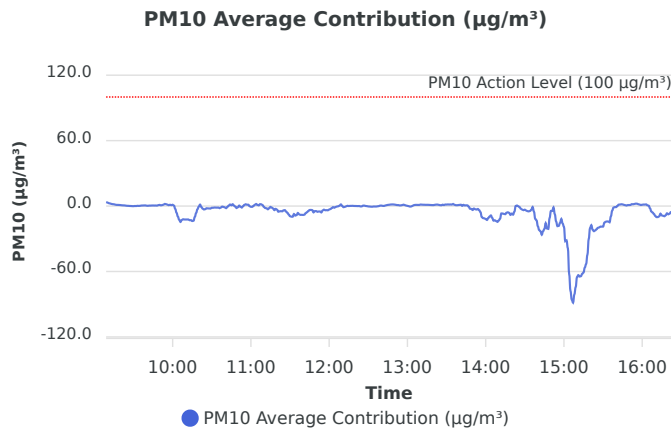
**Photo 2:** General view of the site (facing southwest).



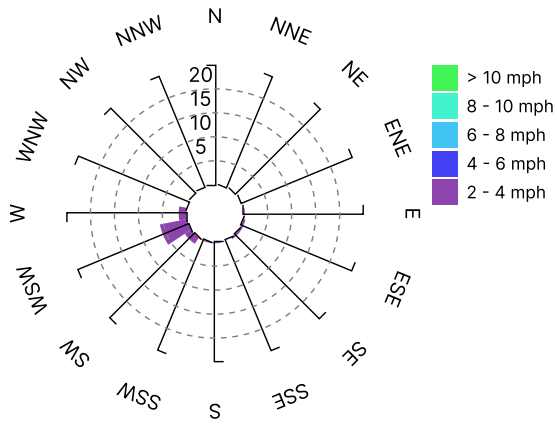
<b>LANGAN</b>	<b>Air Monitoring Report</b>	<b>170695201 - 111 Washington St</b>	
		<b>Report Period</b>	
		<b>From:</b>	10/28/2023 06:00
		<b>To:</b>	10/28/2023 18:00
		<b>PM10 Action Level:</b>	100.0 $\mu\text{g}/\text{m}^3$
<b>VOC Action Level:</b>	5.00 ppm		

<b>Daily Environmental Summary</b>	<b>Windspeed (mph)</b>	<b>Prevailing wind direction</b>
10/28/2023	0.3-3	SW

<b>Daily Monitoring Summary</b>	<b>PM10 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Time</b>	<b>VOC (ppm)</b>	<b>Time</b>
<b>Min Contribution (15 min avg.) - 10/28/2023</b>	-88.6	15:07	-0.02	14:01
<b>Max Contribution (15 min avg.) - 10/28/2023</b>	3.6	09:09	0.02	14:16



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
10/28/2023 09:09:00	7.6	11.2	3.6	0.00	0.00	0.00	1.7	W
10/28/2023 09:10:00	7.4	10.6	3.2	0.00	0.00	0.00	1.4	WSW
10/28/2023 09:11:00	7.3	9.9	2.6	0.00	0.00	0.00	1.9	WSW
10/28/2023 09:12:00	7.2	9.5	2.4	0.00	0.00	0.00	1.8	WSW
10/28/2023 09:13:00	7.2	9.2	2.0	0.00	0.00	0.00	2.0	SW
10/28/2023 09:14:00	7.1	8.8	1.7	0.01	0.00	-0.01	1.9	WSW
10/28/2023 09:15:00	7.1	8.7	1.6	0.01	0.00	-0.01	1.9	SSW
10/28/2023 09:16:00	7.3	8.6	1.3	0.01	0.00	-0.01	1.9	SW
10/28/2023 09:17:00	7.6	8.6	1.1	0.01	0.00	-0.01	1.9	SW
10/28/2023 09:18:00	7.6	8.7	1.1	0.01	0.00	-0.01	1.9	WSW
10/28/2023 09:19:00	7.6	8.6	1.0	0.01	0.00	-0.01	1.8	WSW
10/28/2023 09:20:00	7.6	8.5	0.9	0.01	0.00	-0.01	1.7	NE
10/28/2023 09:21:00	7.7	8.4	0.7	0.01	0.00	-0.01	1.6	ESE
10/28/2023 09:22:00	7.7	8.3	0.6	0.01	0.00	-0.01	1.6	WSW
10/28/2023 09:23:00	7.6	8.2	0.6	0.01	0.00	-0.01	1.6	WNW
10/28/2023 09:24:00	7.5	7.9	0.4	0.01	0.00	-0.01	1.5	W
10/28/2023 09:25:00	7.5	7.7	0.2	0.01	0.00	-0.01	1.5	W
10/28/2023 09:26:00	7.5	7.7	0.2	0.01	0.00	-0.01	1.3	W
10/28/2023 09:27:00	7.5	7.6	0.1	0.01	0.00	-0.01	1.3	E
10/28/2023 09:28:00	7.6	7.6	0.0	0.01	0.01	-0.01	1.2	E
10/28/2023 09:29:00	7.7	7.6	-0.1	0.01	0.01	-0.01	1.1	NNE
10/28/2023 09:30:00	7.7	7.6	-0.1	0.01	0.01	-0.01	1.0	NNE
10/28/2023 09:31:00	7.6	7.7	0.1	0.01	0.01	0.00	0.9	N
10/28/2023 09:32:00	7.6	7.6	0.0	0.01	0.01	0.00	0.8	W
10/28/2023 09:33:00	7.5	7.8	0.2	0.01	0.01	0.00	0.8	NNW
10/28/2023 09:34:00	7.6	7.7	0.1	0.01	0.01	0.00	0.7	SW
10/28/2023 09:35:00	7.6	7.8	0.2	0.01	0.01	0.00	0.7	E
10/28/2023 09:36:00	7.5	8.0	0.5	0.01	0.01	0.00	0.7	E
10/28/2023 09:37:00	7.6	8.1	0.5	0.01	0.01	0.00	0.6	WNW
10/28/2023 09:38:00	7.6	8.2	0.6	0.01	0.01	0.00	0.6	ESE
10/28/2023 09:39:00	7.7	8.3	0.6	0.01	0.01	0.01	0.6	ENE
10/28/2023 09:40:00	8.0	8.3	0.3	0.01	0.01	0.01	0.6	SE



Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/28/2023 09:41:00	8.1	8.3	0.2	0.01	0.01	0.01	0.6	WNW
10/28/2023 09:42:00	8.1	8.5	0.4	0.01	0.01	0.00	0.6	WSW
10/28/2023 09:43:00	8.1	8.5	0.4	0.01	0.01	0.00	0.6	ESE
10/28/2023 09:44:00	8.1	8.6	0.5	0.01	0.01	0.00	0.6	WSW
10/28/2023 09:45:00	8.0	8.5	0.5	0.01	0.01	0.00	0.6	WSW
10/28/2023 09:46:00	7.9	8.4	0.5	0.01	0.01	-0.01	0.7	SSW
10/28/2023 09:47:00	7.8	8.3	0.5	0.01	0.01	-0.01	0.7	SSE
10/28/2023 09:48:00	7.8	8.2	0.4	0.01	0.01	-0.01	0.7	SE
10/28/2023 09:49:00	7.6	8.5	0.8	0.01	0.01	0.00	0.8	ESE
10/28/2023 09:50:00	7.6	8.7	1.1	0.01	0.01	0.00	0.8	SE
10/28/2023 09:51:00	7.7	8.4	0.7	0.01	0.01	-0.01	0.9	S
10/28/2023 09:52:00	7.6	8.5	0.9	0.01	0.01	0.00	1.0	SE
10/28/2023 09:53:00	7.5	8.8	1.3	0.01	0.01	0.00	1.0	SE
10/28/2023 09:54:00	7.4	9.4	1.9	0.01	0.01	0.00	1.1	E
10/28/2023 09:55:00	7.5	9.2	1.7	0.01	0.01	0.00	1.1	SSE
10/28/2023 09:56:00	7.8	9.1	1.3	0.01	0.01	0.00	1.1	W
10/28/2023 09:57:00	8.1	8.9	0.8	0.01	0.01	0.00	1.1	WNW
10/28/2023 09:58:00	8.0	9.2	1.2	0.01	0.01	0.00	1.2	SE
10/28/2023 09:59:00	8.3	9.1	0.8	0.01	0.01	0.00	1.2	SSW
10/28/2023 10:00:00	8.3	9.5	1.2	0.01	0.01	0.00	1.2	N
10/28/2023 10:01:00	9.1	9.5	0.4	0.01	0.01	0.00	1.2	WSW
10/28/2023 10:02:00	12.1	9.5	-2.6	0.01	0.01	0.00	1.1	WNW
10/28/2023 10:03:00	15.5	9.3	-6.2	0.01	0.01	0.00	1.2	SE
10/28/2023 10:04:00	18.6	8.9	-9.7	0.01	0.01	-0.01	1.2	SE
10/28/2023 10:05:00	21.2	8.6	-12.6	0.01	0.01	-0.01	1.2	SE
10/28/2023 10:06:00	23.2	8.6	-14.6	0.01	0.01	-0.01	1.2	SSW
10/28/2023 10:07:00	23.2	10.4	-12.8	0.01	0.01	-0.01	1.2	ENE
10/28/2023 10:08:00	23.2	11.1	-12.1	0.01	0.01	-0.01	1.2	ESE
10/28/2023 10:09:00	23.3	10.9	-12.3	0.01	0.01	-0.01	1.3	SE
10/28/2023 10:10:00	23.4	11.0	-12.3	0.01	0.01	-0.01	1.3	SW
10/28/2023 10:11:00	23.4	11.1	-12.3	0.01	0.01	-0.01	1.3	WNW
10/28/2023 10:12:00	23.4	11.1	-12.3	0.01	0.01	-0.01	1.3	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
10/28/2023 10:13:00	23.7	10.7	-13.0	0.01	0.01	-0.01	1.3	W
10/28/2023 10:14:00	23.7	10.7	-12.9	0.01	0.01	-0.01	1.3	WSW
10/28/2023 10:15:00	24.1	10.3	-13.7	0.01	0.00	-0.01	1.4	WSW
10/28/2023 10:16:00	23.8	10.3	-13.5	0.01	0.00	-0.01	1.4	W
10/28/2023 10:17:00	20.6	10.7	-9.9	0.01	0.01	-0.01	1.4	NNW
10/28/2023 10:18:00	17.3	11.0	-6.3	0.01	0.01	-0.01	1.4	NE
10/28/2023 10:19:00	14.2	11.3	-2.9	0.01	0.01	0.00	1.3	ESE
10/28/2023 10:20:00	11.9	11.4	-0.6	0.01	0.01	0.00	1.3	WSW
10/28/2023 10:21:00	10.1	11.4	1.3	0.01	0.01	0.00	1.3	SSE
10/28/2023 10:22:00	10.3	9.5	-0.9	0.01	0.01	-0.01	1.3	SSW
10/28/2023 10:23:00	10.7	8.3	-2.4	0.01	0.01	-0.01	1.3	S
10/28/2023 10:24:00	11.0	7.8	-3.1	0.01	0.00	-0.01	1.2	SSE
10/28/2023 10:25:00	10.7	7.9	-2.9	0.01	0.00	-0.01	1.2	S
10/28/2023 10:26:00	10.3	8.3	-2.0	0.01	0.01	-0.01	1.3	E
10/28/2023 10:27:00	10.4	8.3	-2.1	0.01	0.01	-0.01	1.3	SSE
10/28/2023 10:28:00	10.5	8.3	-2.2	0.01	0.01	-0.01	1.3	SSE
10/28/2023 10:29:00	10.6	8.3	-2.3	0.01	0.01	-0.01	1.3	SSE
10/28/2023 10:30:00	10.2	8.6	-1.6	0.01	0.01	-0.01	1.2	ENE
10/28/2023 10:31:00	10.2	8.6	-1.6	0.01	0.01	-0.01	1.2	S
10/28/2023 10:32:00	10.3	8.9	-1.4	0.01	0.01	-0.01	1.2	ESE
10/28/2023 10:33:00	10.4	9.0	-1.4	0.01	0.01	-0.01	1.2	E
10/28/2023 10:34:00	10.5	9.1	-1.5	0.01	0.01	-0.01	1.2	E
10/28/2023 10:35:00	10.6	9.2	-1.4	0.01	0.01	-0.01	1.2	SW
10/28/2023 10:36:00	11.2	9.3	-1.9	0.01	0.01	-0.01	1.2	SW
10/28/2023 10:37:00	11.1	9.8	-1.3	0.01	0.01	0.00	1.2	ENE
10/28/2023 10:38:00	10.9	10.3	-0.5	0.01	0.01	0.00	1.1	ESE
10/28/2023 10:39:00	11.2	10.4	-0.8	0.01	0.01	0.00	1.1	W
10/28/2023 10:40:00	11.7	10.4	-1.3	0.01	0.01	0.00	1.1	SSE
10/28/2023 10:41:00	12.0	10.1	-1.9	0.01	0.01	0.00	1.0	SSE
10/28/2023 10:42:00	11.7	10.9	-0.7	0.01	0.01	0.00	1.0	ESE
10/28/2023 10:43:00	11.6	12.0	0.4	0.01	0.01	0.00	1.1	E
10/28/2023 10:44:00	11.5	12.9	1.4	0.01	0.01	0.01	1.1	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
10/28/2023 10:45:00	12.2	12.9	0.7	0.01	0.01	0.00	1.2	SSE
10/28/2023 10:46:00	12.2	13.9	1.7	0.01	0.01	0.01	1.2	ESE
10/28/2023 10:47:00	13.1	13.5	0.4	0.01	0.01	0.00	1.2	SSE
10/28/2023 10:48:00	13.9	13.4	-0.5	0.01	0.01	0.00	1.2	SSW
10/28/2023 10:49:00	15.1	13.3	-1.8	0.02	0.01	-0.01	1.2	SE
10/28/2023 10:50:00	14.9	13.8	-1.1	0.01	0.01	0.00	1.2	E
10/28/2023 10:51:00	14.2	14.7	0.4	0.01	0.02	0.00	1.2	E
10/28/2023 10:52:00	15.0	14.4	-0.6	0.02	0.01	0.00	1.3	SSE
10/28/2023 10:53:00	15.3	13.9	-1.4	0.02	0.01	-0.01	1.3	SE
10/28/2023 10:54:00	14.9	14.8	-0.1	0.02	0.01	0.00	1.3	SE
10/28/2023 10:55:00	14.3	15.4	1.1	0.01	0.02	0.00	1.3	ESE
10/28/2023 10:56:00	14.1	15.7	1.6	0.01	0.02	0.00	1.3	SE
10/28/2023 10:57:00	14.2	15.4	1.2	0.01	0.02	0.01	1.3	ENE
10/28/2023 10:58:00	14.1	15.3	1.2	0.01	0.02	0.00	1.3	E
10/28/2023 10:59:00	14.7	14.6	-0.1	0.01	0.02	0.00	1.2	NW
10/28/2023 11:00:00	15.1	14.4	-0.7	0.01	0.02	0.00	1.2	WNW
10/28/2023 11:01:00	14.7	14.0	-0.7	0.01	0.01	0.00	1.2	NNW
10/28/2023 11:02:00	13.8	14.0	0.2	0.01	0.01	0.00	1.1	NE
10/28/2023 11:03:00	12.9	14.1	1.2	0.01	0.02	0.01	1.1	SE
10/28/2023 11:04:00	11.9	13.8	1.9	0.01	0.02	0.01	1.2	WSW
10/28/2023 11:05:00	12.1	13.2	1.1	0.01	0.01	0.01	1.2	W
10/28/2023 11:06:00	11.9	12.6	0.7	0.01	0.01	0.00	1.1	NNE
10/28/2023 11:07:00	11.0	12.8	1.8	0.01	0.01	0.01	1.1	E
10/28/2023 11:08:00	11.3	12.8	1.6	0.00	0.01	0.01	1.1	S
10/28/2023 11:09:00	11.3	12.1	0.8	0.01	0.01	0.01	1.1	WSW
10/28/2023 11:10:00	12.4	11.5	-0.9	0.01	0.01	0.00	1.1	S
10/28/2023 11:11:00	13.0	11.2	-1.8	0.01	0.01	0.00	1.1	W
10/28/2023 11:12:00	12.9	10.9	-2.0	0.01	0.01	0.00	1.0	ESE
10/28/2023 11:13:00	13.0	10.0	-3.0	0.01	0.01	0.00	1.0	S
10/28/2023 11:14:00	12.1	10.2	-1.9	0.01	0.01	0.00	1.0	SE
10/28/2023 11:15:00	11.1	10.3	-0.8	0.00	0.01	0.00	1.0	ESE
10/28/2023 11:16:00	11.3	9.8	-1.4	0.00	0.00	0.00	1.0	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
10/28/2023 11:17:00	11.8	9.5	-2.2	0.00	0.00	0.00	1.0	WSW
10/28/2023 11:18:00	13.0	9.2	-3.7	0.01	0.00	0.00	1.0	WSW
10/28/2023 11:19:00	12.7	10.1	-2.6	0.00	0.00	0.00	1.0	N
10/28/2023 11:20:00	13.4	10.1	-3.3	0.01	0.00	0.00	1.0	WNW
10/28/2023 11:21:00	14.9	9.8	-5.2	0.01	0.00	0.00	1.0	SSE
10/28/2023 11:22:00	14.9	10.1	-4.9	0.01	0.00	0.00	1.0	ENE
10/28/2023 11:23:00	14.6	9.9	-4.7	0.01	0.00	0.00	0.9	NW
10/28/2023 11:24:00	14.6	9.8	-4.8	0.01	0.00	0.00	0.9	WSW
10/28/2023 11:25:00	13.7	9.7	-4.0	0.01	0.00	0.00	0.9	S
10/28/2023 11:26:00	13.5	9.7	-3.7	0.01	0.00	0.00	0.9	W
10/28/2023 11:27:00	14.6	9.5	-5.1	0.01	0.00	0.00	0.9	SW
10/28/2023 11:28:00	15.7	9.4	-6.2	0.01	0.00	0.00	0.9	WSW
10/28/2023 11:29:00	17.0	9.2	-7.8	0.01	0.00	-0.01	0.9	SSW
10/28/2023 11:30:00	18.4	9.1	-9.3	0.01	0.00	-0.01	0.9	SW
10/28/2023 11:31:00	18.9	9.2	-9.7	0.01	0.00	-0.01	0.9	SSE
10/28/2023 11:32:00	18.9	9.2	-9.8	0.01	0.00	-0.01	0.9	SE
10/28/2023 11:33:00	17.7	10.4	-7.3	0.01	0.00	-0.01	0.9	NW
10/28/2023 11:34:00	18.4	9.7	-8.8	0.01	0.00	-0.01	0.9	W
10/28/2023 11:35:00	17.9	9.6	-8.3	0.01	0.00	-0.01	0.9	WSW
10/28/2023 11:36:00	16.3	10.0	-6.3	0.01	0.00	-0.01	1.0	NNE
10/28/2023 11:37:00	16.8	9.2	-7.6	0.01	0.00	-0.01	1.0	WSW
10/28/2023 11:38:00	17.2	9.2	-8.1	0.01	0.00	-0.01	1.0	WSW
10/28/2023 11:39:00	17.1	9.1	-8.0	0.01	0.00	-0.01	1.1	WNW
10/28/2023 11:40:00	17.2	9.0	-8.2	0.01	0.00	-0.01	1.2	WSW
10/28/2023 11:41:00	16.8	8.9	-7.9	0.01	0.00	-0.01	1.2	WSW
10/28/2023 11:42:00	15.5	9.0	-6.5	0.01	0.00	-0.01	1.2	NW
10/28/2023 11:43:00	14.6	8.9	-5.7	0.01	0.00	-0.01	1.2	S
10/28/2023 11:44:00	13.5	9.0	-4.6	0.01	0.00	-0.01	1.2	W
10/28/2023 11:45:00	12.4	8.8	-3.6	0.01	0.00	-0.01	1.1	SW
10/28/2023 11:46:00	12.1	8.6	-3.5	0.01	0.00	0.00	1.1	WNW
10/28/2023 11:47:00	12.3	8.6	-3.7	0.00	0.00	0.00	1.1	WSW
10/28/2023 11:48:00	13.0	7.2	-5.8	0.00	0.00	0.00	1.2	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/28/2023 11:49:00	12.2	7.6	-4.6	0.00	0.00	0.00	1.1	N
10/28/2023 11:50:00	12.2	7.6	-4.6	0.00	0.00	0.00	1.1	SE
10/28/2023 11:51:00	12.4	7.1	-5.3	0.00	0.00	0.00	1.1	WSW
10/28/2023 11:52:00	12.1	7.2	-5.0	0.00	0.00	0.00	1.1	WSW
10/28/2023 11:53:00	12.1	7.1	-5.0	0.00	0.00	0.00	1.0	WNW
10/28/2023 11:54:00	12.9	7.1	-5.8	0.00	0.00	0.00	1.0	W
10/28/2023 11:55:00	12.6	8.5	-4.0	0.00	0.00	0.00	0.9	E
10/28/2023 11:56:00	12.3	9.0	-3.3	0.00	0.00	0.00	0.9	E
10/28/2023 11:57:00	12.5	8.7	-3.9	0.00	0.00	0.00	0.9	S
10/28/2023 11:58:00	12.4	8.6	-3.8	0.00	0.00	0.00	1.0	SSW
10/28/2023 11:59:00	12.4	8.5	-3.9	0.00	0.00	0.00	1.0	SW
10/28/2023 12:00:00	12.1	8.9	-3.2	0.00	0.00	0.00	1.0	NNW
10/28/2023 12:01:00	11.6	8.9	-2.7	0.00	0.00	0.00	1.0	NW
10/28/2023 12:02:00	10.8	8.9	-1.9	0.00	0.00	0.00	1.0	W
10/28/2023 12:03:00	9.9	8.8	-1.0	0.00	0.00	0.00	1.0	W
10/28/2023 12:04:00	9.8	8.3	-1.5	0.00	0.00	0.00	1.1	SW
10/28/2023 12:05:00	9.1	8.3	-0.8	0.00	0.00	0.00	1.1	WSW
10/28/2023 12:06:00	8.7	8.3	-0.4	0.00	0.00	0.00	1.2	WSW
10/28/2023 12:07:00	8.4	8.2	-0.2	0.00	0.00	0.00	1.2	W
10/28/2023 12:08:00	7.8	8.3	0.4	0.00	0.00	0.00	1.3	WSW
10/28/2023 12:09:00	6.8	8.3	1.5	0.00	0.00	0.00	1.3	SSW
10/28/2023 12:10:00	6.8	6.9	0.1	0.00	0.00	0.00	1.3	NW
10/28/2023 12:11:00	7.5	6.5	-1.0	0.00	0.00	0.00	1.3	W
10/28/2023 12:12:00	7.3	6.5	-0.8	0.00	0.00	0.00	1.4	WSW
10/28/2023 12:13:00	6.8	6.5	-0.3	0.00	0.00	0.00	1.4	WSW
10/28/2023 12:14:00	6.3	6.5	0.2	0.00	0.00	0.00	1.5	WSW
10/28/2023 12:15:00	6.1	6.1	0.0	0.00	0.00	0.00	1.6	SW
10/28/2023 12:16:00	5.9	6.1	0.1	0.00	0.00	0.00	1.6	SSE
10/28/2023 12:17:00	5.8	6.0	0.2	0.00	0.00	0.00	1.6	W
10/28/2023 12:18:00	5.7	6.0	0.2	0.00	0.00	0.00	1.6	SE
10/28/2023 12:19:00	5.8	5.9	0.1	0.00	0.00	0.00	1.6	ESE
10/28/2023 12:20:00	5.9	6.0	0.1	0.00	0.00	0.00	1.5	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
10/28/2023 12:21:00	6.0	6.0	0.0	0.00	0.00	0.00	1.5	WSW
10/28/2023 12:22:00	5.9	5.9	0.0	0.00	0.00	0.00	1.5	ESE
10/28/2023 12:23:00	5.8	5.8	0.0	0.00	0.00	0.00	1.4	NW
10/28/2023 12:24:00	6.1	5.8	-0.3	0.00	0.00	0.00	1.4	W
10/28/2023 12:25:00	6.2	5.9	-0.3	0.00	0.00	0.00	1.5	ENE
10/28/2023 12:26:00	5.6	6.0	0.4	0.00	0.00	0.00	1.4	ESE
10/28/2023 12:27:00	5.6	6.0	0.4	0.00	0.00	0.00	1.4	W
10/28/2023 12:28:00	6.0	6.0	0.1	0.00	0.00	0.00	1.3	WSW
10/28/2023 12:29:00	6.2	6.1	-0.1	0.00	0.00	0.00	1.3	WSW
10/28/2023 12:30:00	6.4	6.1	-0.4	0.00	0.00	0.00	1.3	SE
10/28/2023 12:31:00	6.5	6.1	-0.4	0.00	0.00	0.00	1.4	E
10/28/2023 12:32:00	6.6	6.0	-0.6	0.00	0.00	0.00	1.4	E
10/28/2023 12:33:00	6.6	6.0	-0.6	0.00	0.00	0.00	1.4	SE
10/28/2023 12:34:00	6.5	6.1	-0.4	0.00	0.00	0.00	1.3	E
10/28/2023 12:35:00	6.5	6.0	-0.4	0.00	0.00	0.00	1.3	ESE
10/28/2023 12:36:00	6.4	6.0	-0.5	0.00	0.00	0.00	1.3	S
10/28/2023 12:37:00	6.3	6.0	-0.3	0.00	0.00	0.00	1.3	SSE
10/28/2023 12:38:00	6.1	6.0	-0.1	0.00	0.00	0.00	1.4	SW
10/28/2023 12:39:00	5.5	5.9	0.4	0.00	0.00	0.00	1.4	SW
10/28/2023 12:40:00	5.1	5.6	0.4	0.00	0.00	0.00	1.4	SW
10/28/2023 12:41:00	5.1	5.3	0.2	0.00	0.00	0.00	1.4	NW
10/28/2023 12:42:00	5.0	5.1	0.1	0.00	0.00	0.00	1.4	NW
10/28/2023 12:43:00	4.5	5.0	0.5	0.00	0.00	0.00	1.4	W
10/28/2023 12:44:00	4.2	5.0	0.8	0.00	0.00	0.00	1.4	WSW
10/28/2023 12:45:00	3.8	4.9	1.1	0.00	0.00	0.00	1.3	WSW
10/28/2023 12:46:00	3.7	4.9	1.2	0.00	0.00	0.00	1.3	WSW
10/28/2023 12:47:00	3.5	4.9	1.4	0.00	0.00	0.00	1.2	WSW
10/28/2023 12:48:00	3.5	5.0	1.5	0.00	0.00	0.00	1.1	W
10/28/2023 12:49:00	3.4	4.9	1.5	0.00	0.00	0.00	1.1	NW
10/28/2023 12:50:00	3.4	4.7	1.4	0.00	0.00	0.00	1.1	NE
10/28/2023 12:51:00	3.4	4.6	1.2	0.00	0.00	0.00	1.0	E
10/28/2023 12:52:00	3.5	4.5	0.9	0.00	0.00	0.00	1.0	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
10/28/2023 12:53:00	3.6	4.5	0.9	0.00	0.00	0.00	0.9	NW
10/28/2023 12:54:00	3.7	4.3	0.6	0.00	0.00	0.00	0.8	N
10/28/2023 12:55:00	3.8	4.4	0.6	0.00	0.00	0.00	0.7	W
10/28/2023 12:56:00	3.7	4.6	0.9	0.00	0.00	0.00	0.7	W
10/28/2023 12:57:00	3.5	4.8	1.3	0.00	0.00	0.00	0.7	SW
10/28/2023 12:58:00	3.7	4.6	0.9	0.00	0.00	0.00	0.7	NNW
10/28/2023 12:59:00	3.9	4.4	0.5	0.00	0.00	0.00	0.6	NE
10/28/2023 13:00:00	4.1	4.3	0.2	0.00	0.00	0.00	0.6	NNE
10/28/2023 13:01:00	4.4	4.2	-0.1	0.00	0.00	0.00	0.6	N
10/28/2023 13:02:00	4.7	4.1	-0.5	0.00	0.00	0.00	0.6	NW
10/28/2023 13:03:00				0.00	0.00	0.00	0.7	NW
10/28/2023 13:04:00				0.00	0.00	0.00	0.7	NE
10/28/2023 13:05:00				0.00	0.00	0.00	0.7	WSW
10/28/2023 13:06:00	4.0	5.0	1.1	0.00	0.00	0.00	0.7	WNW
10/28/2023 13:07:00	4.0	5.1	1.1	0.00	0.00	0.00	0.8	W
10/28/2023 13:08:00	4.0	5.0	1.0	0.00	0.00	0.00	0.9	WSW
10/28/2023 13:09:00	3.9	5.0	1.0	0.00	0.00	0.00	1.0	WSW
10/28/2023 13:10:00	3.9	5.3	1.4	0.00	0.00	0.00	1.0	WSW
10/28/2023 13:11:00	4.2	5.5	1.3	0.00	0.00	0.00	1.1	SW
10/28/2023 13:12:00	4.2	5.5	1.2	0.00	0.00	0.00	1.2	SW
10/28/2023 13:13:00	4.3	5.5	1.2	0.00	0.00	0.00	1.3	W
10/28/2023 13:14:00	4.5	5.7	1.1	0.00	0.00	0.00	1.4	WSW
10/28/2023 13:15:00	4.7	5.8	1.1	0.00	0.00	0.00	1.5	SW
10/28/2023 13:16:00	4.7	5.8	1.1	0.00	0.00	0.00	1.6	WSW
10/28/2023 13:17:00	4.8	5.8	1.0	0.00	0.00	0.00	1.8	WSW
10/28/2023 13:18:00	4.8	5.8	1.0	0.00	0.00	0.00	1.9	WSW
10/28/2023 13:19:00	4.8	5.7	0.9	0.00	0.00	0.00	1.8	W
10/28/2023 13:20:00	4.8	5.7	0.9	0.00	0.00	0.00	1.8	WSW
10/28/2023 13:21:00	4.9	6.1	1.1	0.00	0.00	0.00	1.8	W
10/28/2023 13:22:00	5.1	6.5	1.3	0.00	0.00	0.00	1.8	SSW
10/28/2023 13:23:00	5.5	6.8	1.4	0.00	0.00	0.00	1.7	WSW
10/28/2023 13:24:00	6.0	7.1	1.1	0.00	0.00	0.00	1.6	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
10/28/2023 13:25:00	6.7	7.6	0.8	0.00	0.00	0.00	1.6	WNW
10/28/2023 13:26:00	7.2	8.0	0.7	0.00	0.00	0.00	1.6	SSW
10/28/2023 13:27:00	7.5	8.7	1.3	0.00	0.00	0.00	1.4	SSW
10/28/2023 13:28:00	8.2	9.1	0.9	0.00	0.00	0.00	1.4	ENE
10/28/2023 13:29:00	8.5	9.9	1.4	0.00	0.00	0.00	1.3	ESE
10/28/2023 13:30:00	8.9	10.2	1.4	0.00	0.00	0.00	1.3	E
10/28/2023 13:31:00	9.2	10.7	1.5	0.00	0.00	0.00	1.2	E
10/28/2023 13:32:00	9.6	11.0	1.4	0.00	0.00	0.00	1.0	NE
10/28/2023 13:33:00	9.9	11.4	1.5	0.00	0.00	0.00	0.9	NE
10/28/2023 13:34:00	10.4	11.8	1.4	0.00	0.00	0.00	0.9	NNE
10/28/2023 13:35:00	10.6	12.5	1.9	0.00	0.00	0.00	1.0	WNW
10/28/2023 13:36:00	11.5	12.7	1.2	0.00	0.00	0.00	1.0	E
10/28/2023 13:37:00	11.9	12.7	0.8	0.00	0.00	0.00	1.0	SW
10/28/2023 13:38:00	11.8	12.5	0.8	0.00	0.00	0.00	1.0	SE
10/28/2023 13:39:00	11.4	12.3	0.9	0.00	0.00	0.00	1.0	WSW
10/28/2023 13:40:00	10.9	11.9	1.1	0.00	0.00	0.00	1.1	SW
10/28/2023 13:41:00	10.5	11.7	1.2	0.00	0.00	0.00	1.1	WNW
10/28/2023 13:42:00	11.0	11.2	0.2	0.00	0.00	0.00	1.1	WNW
10/28/2023 13:43:00	10.5	11.6	1.1	0.00	0.00	0.00	1.1	SE
10/28/2023 13:44:00	10.5	11.1	0.6	0.00	0.00	0.00	1.2	WSW
10/28/2023 13:45:00	10.3	11.0	0.7	0.00	0.00	0.00	1.3	WSW
10/28/2023 13:46:00	10.3	10.9	0.6	0.00	0.00	0.00	1.3	WSW
10/28/2023 13:47:00	11.3	10.7	-0.6	0.01	0.00	0.00	1.4	SSW
10/28/2023 13:48:00	13.1	10.6	-2.5	0.01	0.00	0.00	1.5	WSW
10/28/2023 13:49:00	13.1	10.4	-2.6	0.01	0.00	0.00	1.6	W
10/28/2023 13:50:00	13.4	9.8	-3.6	0.01	0.00	-0.01	1.6	SSE
10/28/2023 13:51:00	12.6	10.3	-2.3	0.01	0.00	0.00	1.7	ESE
10/28/2023 13:52:00	13.0	10.0	-3.0	0.01	0.00	-0.01	1.7	SSE
10/28/2023 13:53:00	13.8	10.6	-3.2	0.01	0.00	-0.01	1.7	NW
10/28/2023 13:54:00	14.3	11.7	-2.7	0.01	0.00	-0.01	1.7	WNW
10/28/2023 13:55:00	15.5	11.7	-3.8	0.01	0.00	-0.01	1.7	W
10/28/2023 13:56:00	17.2	11.6	-5.5	0.01	0.00	-0.01	1.8	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
10/28/2023 13:57:00	21.6	11.5	-10.1	0.01	0.00	-0.01	1.8	WSW
10/28/2023 13:58:00	22.0	10.9	-11.1	0.02	0.00	-0.01	1.8	WSW
10/28/2023 13:59:00	22.0	10.7	-11.3	0.02	0.00	-0.02	1.8	WSW
10/28/2023 14:00:00	22.4	10.5	-11.9	0.02	0.00	-0.02	1.7	WNW
10/28/2023 14:01:00	23.0	10.2	-12.7	0.03	0.00	-0.02	1.7	SW
10/28/2023 14:02:00	21.7	10.8	-10.9	0.02	0.00	-0.02	1.7	E
10/28/2023 14:03:00	20.3	10.7	-9.6	0.02	0.00	-0.02	1.7	SW
10/28/2023 14:04:00	20.1	11.5	-8.6	0.02	0.01	-0.02	1.6	NNW
10/28/2023 14:05:00	22.4	11.5	-10.9	0.03	0.02	0.00	1.6	WSW
10/28/2023 14:06:00	24.2	10.8	-13.4	0.03	0.04	0.01	1.5	SSW
10/28/2023 14:07:00	24.1	11.0	-13.0	0.03	0.04	0.01	1.6	SW
10/28/2023 14:08:00	24.3	10.5	-13.8	0.03	0.05	0.01	1.7	W
10/28/2023 14:09:00	24.1	9.7	-14.5	0.04	0.05	0.01	1.7	W
10/28/2023 14:10:00	23.0	9.7	-13.3	0.04	0.05	0.01	1.7	W
10/28/2023 14:11:00	21.4	9.8	-11.7	0.04	0.05	0.01	1.7	NE
10/28/2023 14:12:00	16.6	9.8	-6.8	0.04	0.05	0.01	1.7	WSW
10/28/2023 14:13:00	16.6	9.8	-6.8	0.04	0.05	0.01	1.7	WSW
10/28/2023 14:14:00	16.9	9.7	-7.2	0.04	0.05	0.01	1.7	WNW
10/28/2023 14:15:00	17.2	9.8	-7.5	0.03	0.05	0.02	1.7	SW
10/28/2023 14:16:00	16.7	10.6	-6.1	0.03	0.05	0.02	1.7	NW
10/28/2023 14:17:00	16.9	11.2	-5.7	0.03	0.05	0.02	1.6	NW
10/28/2023 14:18:00	17.5	11.3	-6.3	0.03	0.05	0.02	1.7	NW
10/28/2023 14:19:00	18.7	10.6	-8.1	0.03	0.05	0.02	1.7	SW
10/28/2023 14:20:00	17.5	10.6	-6.9	0.03	0.03	0.00	1.7	WSW
10/28/2023 14:21:00	18.9	11.0	-7.9	0.03	0.02	-0.01	1.7	WNW
10/28/2023 14:22:00	20.9	15.7	-5.2	0.02	0.01	-0.01	1.6	WSW
10/28/2023 14:23:00	22.4	22.4	0.1	0.02	0.01	-0.01	1.6	WNW
10/28/2023 14:24:00	23.1	23.6	0.5	0.01	0.00	-0.01	1.6	WSW
10/28/2023 14:25:00	24.0	23.8	-0.2	0.01	0.00	-0.01	1.6	WSW
10/28/2023 14:26:00	25.0	24.0	-1.0	0.01	0.00	-0.01	1.6	WSW
10/28/2023 14:27:00	26.5	24.0	-2.5	0.01	0.00	-0.01	1.6	WSW
10/28/2023 14:28:00	27.5	24.2	-3.3	0.01	0.00	-0.01	1.6	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/28/2023 14:29:00	28.1	24.3	-3.8	0.01	0.00	-0.01	1.6	W
10/28/2023 14:30:00	27.8	24.4	-3.3	0.01	0.02	0.01	1.6	WSW
10/28/2023 14:31:00	27.8	23.7	-4.1	0.01	0.02	0.01	1.5	WSW
10/28/2023 14:32:00	27.7	23.1	-4.7	0.02	0.02	0.01	1.5	NE
10/28/2023 14:33:00	28.0	23.1	-4.9	0.02	0.03	0.01	1.6	W
10/28/2023 14:34:00	27.6	23.1	-4.5	0.02	0.03	0.01	1.6	WNW
10/28/2023 14:35:00	26.4	23.1	-3.4	0.01	0.03	0.01	1.5	WNW
10/28/2023 14:36:00	23.8	22.9	-0.9	0.01	0.03	0.01	1.5	E
10/28/2023 14:37:00	23.2	18.1	-5.1	0.01	0.03	0.01	1.5	SSW
10/28/2023 14:38:00	23.1	11.3	-11.8	0.01	0.03	0.01	1.5	WNW
10/28/2023 14:39:00	23.3	10.1	-13.1	0.01	0.03	0.01	1.4	SW
10/28/2023 14:40:00	28.4	9.8	-18.6	0.01	0.03	0.01	1.4	SSW
10/28/2023 14:41:00	31.7	9.7	-22.1	0.01	0.03	0.01	1.3	SW
10/28/2023 14:42:00	32.8	9.7	-23.1	0.01	0.03	0.01	1.2	S
10/28/2023 14:43:00	35.8	9.5	-26.3	0.01	0.03	0.01	1.2	SSW
10/28/2023 14:44:00	34.7	11.7	-23.1	0.01	0.03	0.02	1.1	SE
10/28/2023 14:45:00	34.3	13.2	-21.0	0.01	0.01	0.01	1.1	E
10/28/2023 14:46:00	34.1	18.4	-15.7	0.01	0.01	0.00	1.2	E
10/28/2023 14:47:00	38.5	17.9	-20.6	0.00	0.01	0.00	1.2	SSE
10/28/2023 14:48:00	40.1	19.2	-20.9	0.00	0.00	0.00	1.1	SW
10/28/2023 14:49:00	40.6	29.7	-11.0	0.00	0.00	0.00	1.1	W
10/28/2023 14:50:00	41.6	37.1	-4.5	0.01	0.00	-0.01	1.1	WNW
10/28/2023 14:51:00	42.3	37.8	-4.5	0.01	0.00	-0.01	1.1	SW
10/28/2023 14:52:00	40.5	39.2	-1.3	0.01	0.00	-0.01	1.1	SE
10/28/2023 14:53:00	47.0	39.5	-7.5	0.01	0.00	-0.01	1.1	WNW
10/28/2023 14:54:00	54.1	39.9	-14.2	0.01	0.00	-0.01	1.1	WSW
10/28/2023 14:55:00	58.4	40.0	-18.4	0.01	0.00	-0.01	1.2	NW
10/28/2023 14:56:00	58.2	40.0	-18.2	0.01	0.00	-0.01	1.2	W
10/28/2023 14:57:00	56.2	40.8	-15.4	0.01	0.00	-0.01	1.2	WNW
10/28/2023 14:58:00	52.7	40.9	-11.8	0.01	0.00	-0.01	1.3	WSW
10/28/2023 14:59:00	54.8	38.8	-16.1	0.01	0.00	-0.01	1.3	WNW
10/28/2023 15:00:00	56.1	37.1	-19.0	0.01	0.00	-0.01	1.4	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
10/28/2023 15:01:00	64.1	31.9	-32.2	0.01	0.00	-0.01	1.5	WSW
10/28/2023 15:02:00	63.5	32.0	-31.5	0.01	0.00	-0.01	1.5	W
10/28/2023 15:03:00	69.5	30.8	-38.7	0.01	0.00	-0.01	1.5	W
10/28/2023 15:04:00	82.8	20.4	-62.4	0.01	0.00	-0.01	1.5	NW
10/28/2023 15:05:00	91.0	13.2	-77.8	0.01	0.00	-0.01	1.6	WSW
10/28/2023 15:06:00	98.4	12.5	-85.9	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:07:00	99.7	11.1	-88.6	0.00	0.00	0.00	1.7	SW
10/28/2023 15:08:00	91.8	10.8	-81.0	0.00	0.00	0.00	1.7	W
10/28/2023 15:09:00	84.6	10.3	-74.3	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:10:00	75.4	10.2	-65.2	0.00	0.00	0.00	1.7	W
10/28/2023 15:11:00	73.5	10.2	-63.3	0.00	0.00	0.00	1.7	WNW
10/28/2023 15:12:00	75.2	10.6	-64.7	0.00	0.00	0.00	1.7	W
10/28/2023 15:13:00	75.3	11.0	-64.3	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:14:00	73.2	11.1	-62.1	0.00	0.00	0.00	1.7	WNW
10/28/2023 15:15:00	72.1	11.1	-61.0	0.00	0.00	0.00	1.7	W
10/28/2023 15:16:00	67.4	11.1	-56.4	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:17:00	64.3	11.1	-53.2	0.00	0.00	0.00	1.7	W
10/28/2023 15:18:00	55.5	10.9	-44.6	0.00	0.00	0.00	1.7	W
10/28/2023 15:19:00	40.9	10.7	-30.2	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:20:00	32.7	12.5	-20.2	0.00	0.00	0.00	1.8	SW
10/28/2023 15:21:00	30.6	13.1	-17.5	0.00	0.00	0.00	1.8	WSW
10/28/2023 15:22:00	34.7	13.0	-21.7	0.00	0.00	0.00	1.8	WSW
10/28/2023 15:23:00	35.9	12.9	-23.1	0.00	0.00	0.00	1.8	WSW
10/28/2023 15:24:00	35.2	12.9	-22.3	0.00	0.00	0.00	1.9	WSW
10/28/2023 15:25:00	34.0	12.8	-21.3	0.00	0.00	0.00	1.9	W
10/28/2023 15:26:00	32.8	12.8	-20.0	0.00	0.00	0.00	1.9	SSW
10/28/2023 15:27:00	31.3	11.7	-19.6	0.00	0.00	0.00	1.9	W
10/28/2023 15:28:00	30.6	11.7	-18.8	0.00	0.00	0.00	1.9	W
10/28/2023 15:29:00	30.7	11.8	-18.9	0.00	0.00	0.00	2.0	WSW
10/28/2023 15:30:00	30.7	11.9	-18.9	0.00	0.00	0.00	1.9	W
10/28/2023 15:31:00	27.3	12.1	-15.2	0.00	0.00	0.00	2.0	WSW
10/28/2023 15:32:00	26.4	12.0	-14.4	0.00	0.00	0.00	1.9	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
10/28/2023 15:33:00	26.1	12.0	-14.1	0.00	0.00	0.00	1.9	WSW
10/28/2023 15:34:00	26.1	12.0	-14.2	0.00	0.00	0.00	1.9	SSE
10/28/2023 15:35:00	24.5	9.7	-14.9	0.00	0.00	0.00	2.0	S
10/28/2023 15:36:00	18.1	8.7	-9.4	0.00	0.00	0.00	1.9	SSE
10/28/2023 15:37:00	12.7	8.5	-4.1	0.00	0.00	0.00	1.9	SW
10/28/2023 15:38:00	10.2	8.8	-1.4	0.00	0.00	0.00	1.9	W
10/28/2023 15:39:00	9.7	8.7	-1.0	0.00	0.00	0.00	1.9	WSW
10/28/2023 15:40:00	9.6	8.7	-1.0	0.00	0.00	0.00	1.8	WNW
10/28/2023 15:41:00	8.5	8.6	0.2	0.00	0.00	0.00	1.8	WNW
10/28/2023 15:42:00	7.3	8.6	1.3	0.00	0.00	0.00	1.8	WNW
10/28/2023 15:43:00	6.8	8.3	1.4	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:44:00	6.5	8.1	1.7	0.00	0.00	0.00	1.7	WSW
10/28/2023 15:45:00	6.3	7.8	1.5	0.00	0.00	0.00	1.7	W
10/28/2023 15:46:00	6.3	7.4	1.1	0.00	0.00	0.00	1.6	SSW
10/28/2023 15:47:00	6.4	7.2	0.8	0.00	0.00	0.00	1.6	S
10/28/2023 15:48:00	6.9	7.4	0.5	0.00	0.00	0.00	1.6	WNW
10/28/2023 15:49:00	7.1	8.0	0.9	0.00	0.00	0.00	1.6	WNW
10/28/2023 15:50:00	7.7	8.7	0.9	0.00	0.00	0.00	1.6	W
10/28/2023 15:51:00	8.1	9.1	1.0	0.00	0.00	0.00	1.6	W
10/28/2023 15:52:00	7.9	9.6	1.7	0.00	0.00	0.00	1.5	W
10/28/2023 15:53:00	7.9	9.6	1.6	0.00	0.00	0.00	1.6	WSW
10/28/2023 15:54:00	7.9	9.8	1.9	0.00	0.00	0.00	1.5	W
10/28/2023 15:55:00	7.8	10.0	2.2	0.00	0.00	0.00	1.6	WNW
10/28/2023 15:56:00	7.8	9.9	2.2	0.00	0.00	0.00	1.6	W
10/28/2023 15:57:00	8.1	9.8	1.7	0.00	0.00	0.00	1.5	W
10/28/2023 15:58:00	8.1	9.4	1.4	0.00	0.00	0.00	1.5	S
10/28/2023 15:59:00	8.2	9.1	0.9	0.00	0.00	0.00	1.5	ESE
10/28/2023 16:00:00	7.9	9.1	1.2	0.00	0.00	0.00	1.5	WSW
10/28/2023 16:01:00	7.9	9.3	1.4	0.00	0.00	0.00	1.4	S
10/28/2023 16:02:00	7.9	9.2	1.4	0.00	0.00	0.00	1.5	SE
10/28/2023 16:03:00	7.3	8.9	1.5	0.00	0.00	0.00	1.4	SSE
10/28/2023 16:04:00	7.5	8.2	0.7	0.00	0.00	0.00	1.5	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
10/28/2023 16:05:00	7.2	7.5	0.3	0.00	0.00	0.00	1.4	W
10/28/2023 16:06:00	9.4	7.3	-2.1	0.00	0.00	0.00	1.4	WSW
10/28/2023 16:07:00	12.0	7.0	-5.0	0.00	0.00	0.00	1.4	S
10/28/2023 16:08:00	12.7	6.8	-6.0	0.00	0.00	0.00	1.4	SW
10/28/2023 16:09:00	13.8	6.5	-7.3	0.00	0.00	0.00	1.4	SSW
10/28/2023 16:10:00	15.5	6.5	-9.0	0.00	0.00	0.00	1.4	W
10/28/2023 16:11:00	16.7	6.5	-10.1	0.00	0.00	0.00	1.4	WSW
10/28/2023 16:12:00	16.7	6.5	-10.1	0.00	0.00	0.00	1.5	SSW
10/28/2023 16:13:00	16.8	7.4	-9.4	0.00	0.00	0.00	1.4	ESE
10/28/2023 16:14:00	16.8	9.8	-7.0	0.00	0.00	0.00	1.4	E
10/28/2023 16:15:00	18.6	10.0	-8.6	0.00	0.00	0.00	1.4	S
10/28/2023 16:16:00	19.0	10.1	-8.9	0.00	0.00	0.00	1.4	W
10/28/2023 16:17:00	19.5	10.2	-9.3	0.00	0.00	0.00	1.4	S
10/28/2023 16:18:00	19.4	11.0	-8.4	0.00	0.00	0.00	1.4	ESE
10/28/2023 16:19:00	19.1	12.5	-6.7	0.00	0.00	0.00	1.4	E
10/28/2023 16:20:00	20.1	12.5	-7.6	0.00	0.00	0.00	1.4	SW
10/28/2023 16:21:00	19.4	12.5	-7.0	0.00	0.00	0.00	1.3	W
10/28/2023 16:22:00	17.9	12.3	-5.5	0.00	0.00	0.00	1.3	SW
10/28/2023 16:23:00	17.6	12.3	-5.3	0.00	0.00	0.00	1.3	W