

DAILY FIELD REPORT 026

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	July 12, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 3:30 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)

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

Foundation Contractor: Urban Foundation/Engineering (Urban)

Langan Field Personnel:

Caitlyn Dempsey (Environmental)

Xianglei Zheng (Geotechnical)

Work Activities Performed:

- Urban excavated an about 25-foot-long by 10-foot-wide area to about 5 feet below grade surface (bgs) in the northwestern area of waste characterization grid WC02_0-5 to prepare for equipment mobilization. Excavated soil/fill was temporarily stockpiled adjacent to the excavation prior to being replaced into the excavation area.
- Urban excavated an about 10-foot-long by 10-foot-wide area to about 3 feet bgs in the southern area of waste characterization grid WC03_0-5 to prepare for the installation of caisson casings. Excavated soil/fill was stockpiled in the southwestern area of waste characterization grid WC03, pending off-site disposal, and covered with polyethylene sheeting at the end of the day.
- Urban graded an about 75-foot-long by 50-foot-wide area of soil/fill in the southeastern part of waste characterization grid WC02 to prepare for equipment mobilization.
- All excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban installed four, about 58-inch-diameter, soil-mix columns using a Bauer BG 28H drilling rig in the northwestern and southern parts of the site.
- Urban continued drilling a rock socket for two caissons using a Double L drilling rig in the eastern 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	<i>Bayshore Soil Management, LLC</i>		<i>Clean Earth of Carteret, LLC</i>		<i>PPark NJ</i>		<i>Faztec Solutions</i>	
Location	<i>Keasbey, NJ</i>		<i>Carteret, NJ</i>		<i>Prospect Park, NJ</i>		<i>Staten Island, NY</i>	
Type of Waste	<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>Non-hazardous Soil</i>		<i>C&D</i>	
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)
	25	500	20	400	0	-	14	280

Materials Export Summary		
Facility Name	<i>Dale Transfer Corp.</i>	
Location	<i>West Babylon, NY</i>	
Type of Waste	<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 µg/m³ for particulates and 5 ppm for organic vapors. No organic vapors exceeded the 15-minute average site contribution action levels of 5 ppm on this day.

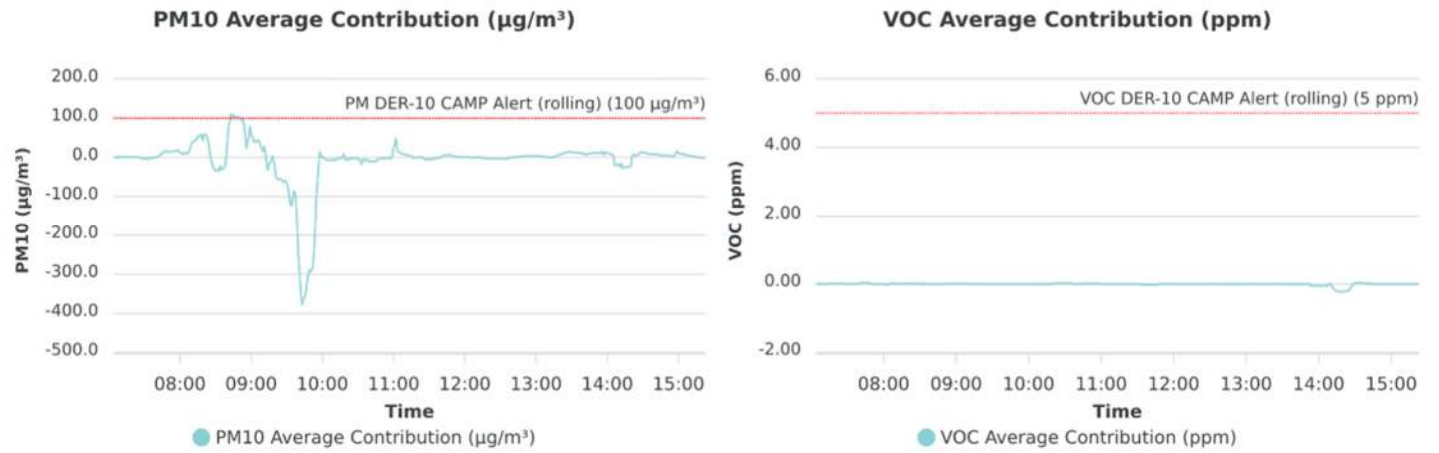
- The particulate (PM10) value exceeded the 15-minute average site contribution action level of 100 µg/m³ between 8:43 and 8:50. The exceedance was attributed to concrete mixing on-site near the downwind CAMP station. Work in the area was postponed, additional water was applied for dust suppression, and the exceedance subsided.

Data gaps were encountered between 10:59 to 11:00 and from 14:57 to 14:58. These data gaps are attributed to automated calibrations conducted at the stations.

Particulate Monitoring ($\mu\text{g}/\text{m}^3$)		Organic Vapor Monitoring (ppm)	
Daily Background	11.3	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-377.8	VOC Average Site Contribution (Minimum)	-0.23
PM10 Average Site Contribution (Maximum)	110.2	VOC Average Site Contribution (Maximum)	0.04

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

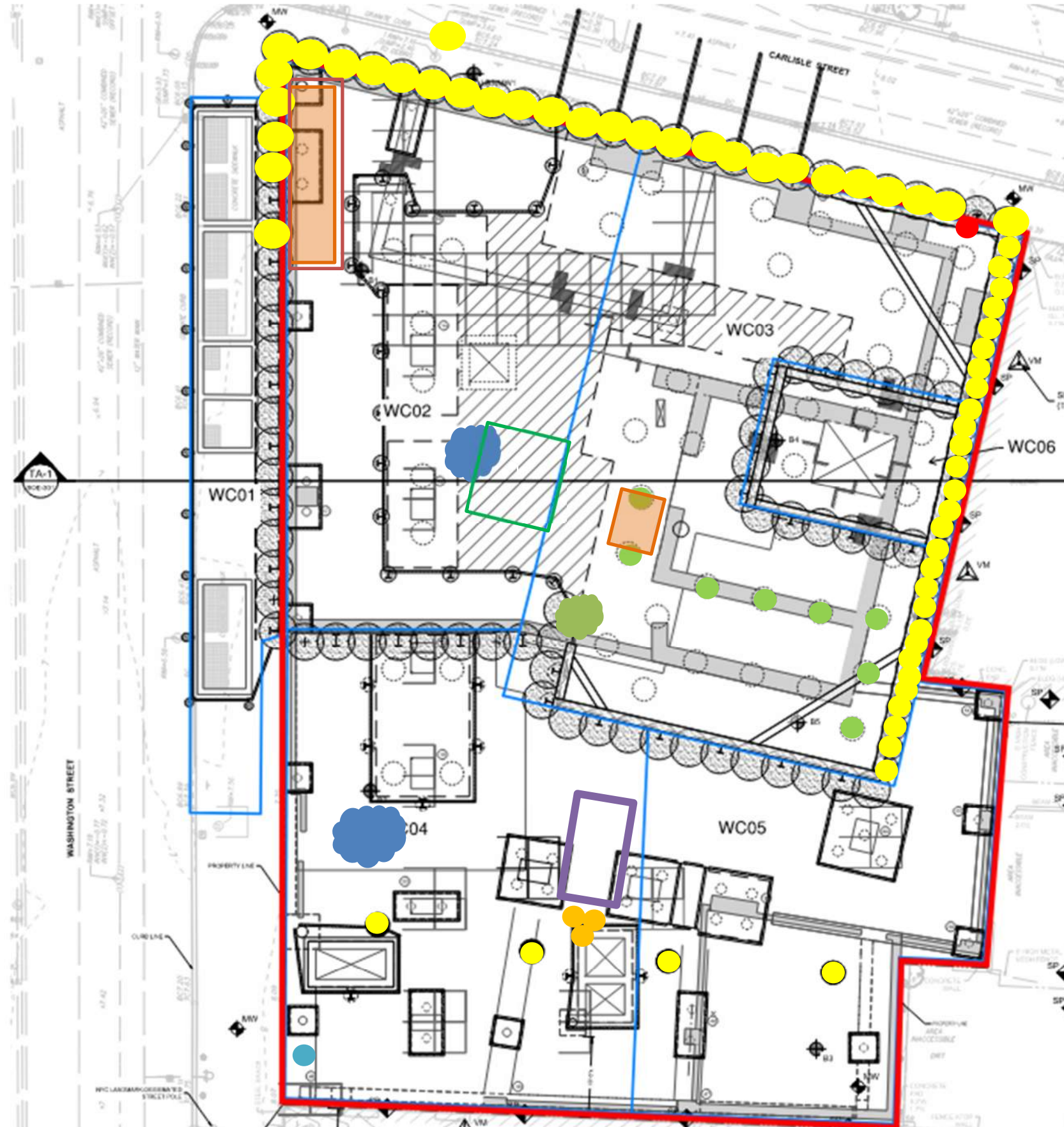
ppm: parts per million.



Planned Activities:

- Urban will continue installing soil-mix columns throughout the site.
- Urban will continue installing caisson casings throughout the site.

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 during concrete mixing (facing north).



Photo 2: Urban excavating soil/fill in waste characterization grid WC02_0-5 (facing southeast).



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



Photo 4: View of CAMP Station 2 in the southwestern part of the site (facing south).

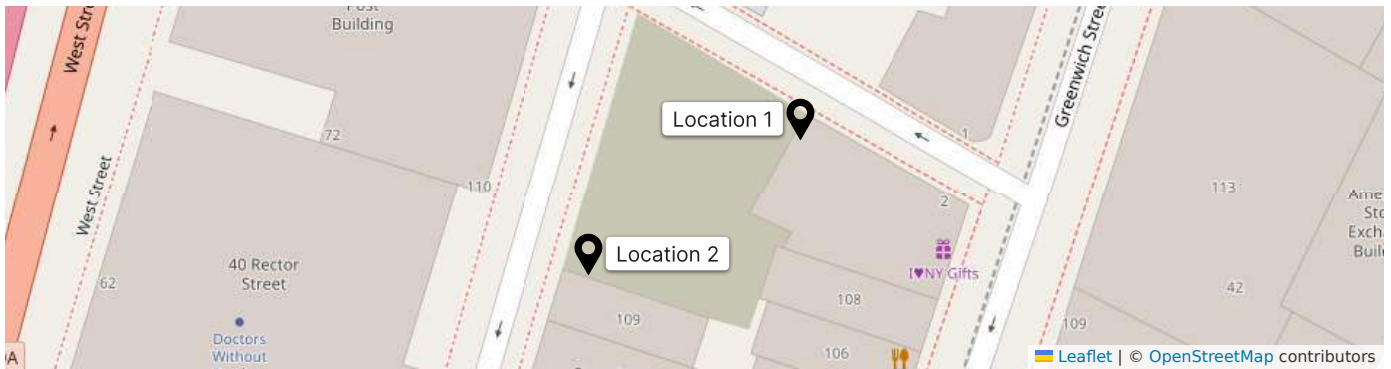


Photo 5: View of the entrance/exit of the site along Washington Street at the end of the work day (facing north).



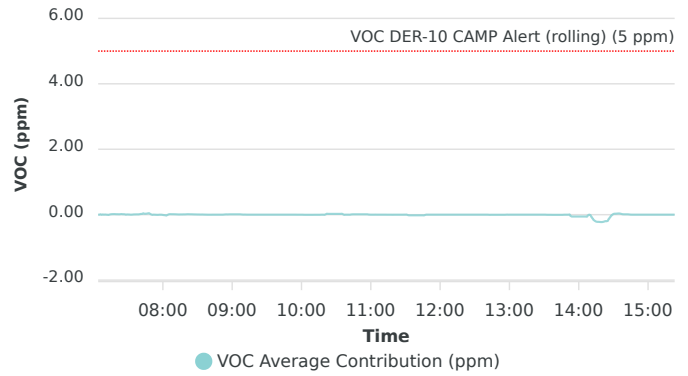
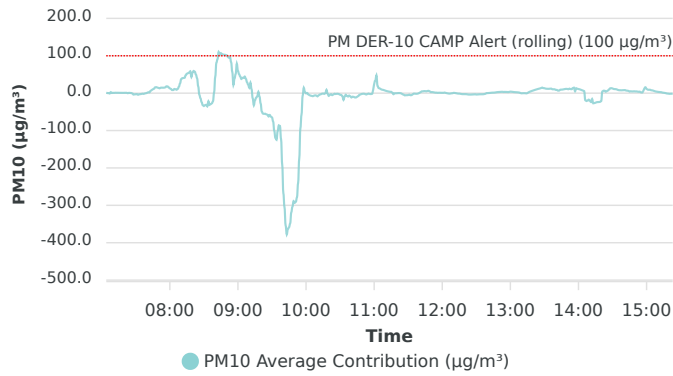
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	7/12/2023 00:00
		To:	7/12/2023 22:00
		PM10 Action Level:	100 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
7/12/2023	0.2-4.1	E

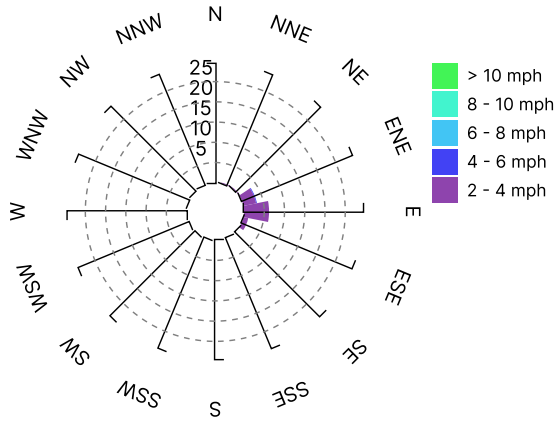


PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)

VOC Average Contribution (ppm)



Contribution wind rose (mph)



Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2023 07:04:00	11.3	12.4	1.1	0.00	0.00	0.00	1.3	SW
7/12/2023 07:05:00	11.6	11.9	0.3	0.00	0.00	0.00	1.1	SSW
7/12/2023 07:06:00	11.7	11.8	0.1	0.00	0.01	0.01	1.0	SE
7/12/2023 07:07:00	12.9	11.9	-1.0	0.01	0.01	0.00	1.0	W
7/12/2023 07:08:00	12.9	15.6	2.7	0.01	0.01	0.01	0.9	SSE
7/12/2023 07:09:00	14.5	15.0	0.5	0.01	0.01	0.00	0.9	WSW
7/12/2023 07:10:00	14.2	15.0	0.8	0.01	0.01	0.00	0.9	ESE
7/12/2023 07:11:00	13.9	14.7	0.8	0.01	0.01	0.00	0.9	WNW
7/12/2023 07:12:00	13.6	14.8	1.1	0.01	0.01	0.00	1.0	WSW
7/12/2023 07:13:00	13.4	14.4	1.0	0.02	0.01	-0.01	1.0	S
7/12/2023 07:14:00	13.1	14.1	1.0	0.02	0.02	0.01	1.0	ESE
7/12/2023 07:15:00	12.9	13.9	0.9	0.01	0.03	0.01	0.9	E
7/12/2023 07:16:00	12.8	13.7	0.8	0.01	0.03	0.01	0.9	ENE
7/12/2023 07:17:00	12.7	13.5	0.8	0.01	0.03	0.02	0.9	E
7/12/2023 07:18:00	12.7	13.5	0.8	0.01	0.03	0.02	0.9	N
7/12/2023 07:19:00	12.7	13.5	0.8	0.01	0.03	0.01	0.8	WNW
7/12/2023 07:20:00	12.8	13.6	0.8	0.02	0.03	0.01	0.8	NW
7/12/2023 07:21:00	12.8	13.7	0.9	0.02	0.03	0.01	0.8	NE
7/12/2023 07:22:00	12.7	13.6	0.9	0.02	0.03	0.01	0.8	SSE
7/12/2023 07:23:00	12.7	12.6	-0.1	0.02	0.03	0.01	0.8	E
7/12/2023 07:24:00	12.0	12.9	0.8	0.02	0.04	0.02	0.8	ENE
7/12/2023 07:25:00	12.4	12.9	0.5	0.02	0.04	0.01	0.8	WSW
7/12/2023 07:26:00	12.6	12.9	0.3	0.03	0.04	0.01	0.8	WSW
7/12/2023 07:27:00	13.8	12.8	-1.0	0.03	0.04	0.01	0.7	WNW
7/12/2023 07:28:00	16.8	13.0	-3.8	0.04	0.04	0.00	0.7	NW
7/12/2023 07:29:00	16.9	13.7	-3.2	0.04	0.05	0.01	0.7	N
7/12/2023 07:30:00	17.0	14.1	-2.9	0.04	0.05	0.01	0.7	SE
7/12/2023 07:31:00	17.1	14.5	-2.6	0.04	0.05	0.00	0.7	N
7/12/2023 07:32:00	18.7	14.4	-4.3	0.05	0.05	0.00	0.7	SSW
7/12/2023 07:33:00	18.7	15.6	-3.1	0.05	0.05	0.00	0.7	N
7/12/2023 07:34:00	18.9	16.3	-2.6	0.05	0.05	0.00	0.7	SE
7/12/2023 07:35:00	19.0	16.9	-2.1	0.04	0.05	0.01	0.7	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
7/12/2023 07:36:00	18.9	17.5	-1.4	0.04	0.05	0.01	0.7	ESE
7/12/2023 07:37:00	19.5	17.5	-2.0	0.04	0.05	0.01	0.7	SSE
7/12/2023 07:38:00	19.4	18.7	-0.7	0.04	0.05	0.01	0.7	NNW
7/12/2023 07:39:00	19.3	19.1	-0.2	0.04	0.05	0.01	0.7	SE
7/12/2023 07:40:00	18.9	19.9	0.9	0.04	0.05	0.01	0.7	SE
7/12/2023 07:41:00	18.7	21.1	2.4	0.03	0.05	0.02	0.7	E
7/12/2023 07:42:00	18.9	21.0	2.1	0.03	0.05	0.02	0.7	SW
7/12/2023 07:43:00	16.1	22.0	6.0	0.01	0.05	0.04	0.7	E
7/12/2023 07:44:00	16.1	24.3	8.2	0.01	0.04	0.03	0.7	E
7/12/2023 07:45:00	16.2	26.5	10.3	0.01	0.04	0.03	0.8	NNE
7/12/2023 07:46:00	16.1	27.9	11.8	0.01	0.04	0.03	0.8	ESE
7/12/2023 07:47:00	14.5	29.9	15.4	0.01	0.05	0.04	0.8	ESE
7/12/2023 07:48:00	14.4	30.4	16.1	0.01	0.05	0.04	0.8	NE
7/12/2023 07:49:00	14.9	29.8	15.0	0.03	0.05	0.02	0.8	W
7/12/2023 07:50:00	15.3	29.3	14.0	0.04	0.05	0.01	0.8	WNW
7/12/2023 07:51:00	15.8	28.9	13.0	0.05	0.05	-0.01	0.8	W
7/12/2023 07:52:00	15.2	29.8	14.6	0.05	0.05	0.00	0.8	ENE
7/12/2023 07:53:00	15.4	30.1	14.7	0.05	0.05	0.00	0.8	NNE
7/12/2023 07:54:00	15.9	30.4	14.6	0.05	0.05	0.00	0.8	SE
7/12/2023 07:55:00	16.2	30.9	14.7	0.05	0.05	-0.01	0.7	NE
7/12/2023 07:56:00	16.3	31.8	15.5	0.05	0.05	-0.01	0.7	NNE
7/12/2023 07:57:00	14.8	33.0	18.2	0.05	0.05	0.00	0.7	ENE
7/12/2023 07:58:00	14.6	32.6	17.9	0.05	0.05	0.00	0.7	ENE
7/12/2023 07:59:00	14.5	29.8	15.4	0.05	0.05	0.00	0.7	SE
7/12/2023 08:00:00	14.5	27.3	12.9	0.05	0.05	-0.01	0.6	NW
7/12/2023 08:01:00	14.5	25.6	11.2	0.05	0.04	-0.01	0.6	N
7/12/2023 08:02:00	15.3	23.6	8.3	0.05	0.04	-0.02	0.5	NNW
7/12/2023 08:03:00	15.3	23.6	8.3	0.05	0.03	-0.03	0.5	SSE
7/12/2023 08:04:00	14.6	25.8	11.1	0.04	0.03	-0.01	0.5	ESE
7/12/2023 08:05:00	15.2	25.6	10.4	0.02	0.03	0.01	0.5	S
7/12/2023 08:06:00	17.1	26.3	9.2	0.01	0.03	0.01	0.6	SSE
7/12/2023 08:07:00	18.3	29.8	11.5	0.01	0.03	0.01	0.6	ESE
7/12/2023 08:08:00	19.9	37.3	17.3	0.01	0.02	0.01	0.6	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
7/12/2023 08:09:00	20.3	46.4	26.1	0.01	0.02	0.01	0.5	ENE
7/12/2023 08:10:00	20.5	58.1	37.5	0.01	0.02	0.01	0.5	E
7/12/2023 08:11:00	20.7	60.7	40.0	0.01	0.02	0.01	0.6	E
7/12/2023 08:12:00	20.9	61.5	40.6	0.01	0.02	0.01	0.6	ESE
7/12/2023 08:13:00	21.2	62.3	41.1	0.01	0.01	0.01	0.6	ESE
7/12/2023 08:14:00	21.4	69.4	48.0	0.01	0.01	0.01	0.6	E
7/12/2023 08:15:00	21.5	73.4	51.9	0.01	0.01	0.01	0.6	NNE
7/12/2023 08:16:00	22.1	75.5	53.4	0.01	0.01	0.01	0.7	ESE
7/12/2023 08:17:00	21.9	77.0	55.1	0.01	0.01	0.01	0.7	E
7/12/2023 08:18:00	24.1	82.4	58.4	0.00	0.01	0.01	0.7	SE
7/12/2023 08:19:00	45.6	88.7	43.2	0.00	0.01	0.01	0.8	SSE
7/12/2023 08:20:00	45.5	100.8	55.3	0.00	0.01	0.01	0.8	E
7/12/2023 08:21:00	43.7	103.0	59.3	0.00	0.01	0.01	0.7	N
7/12/2023 08:22:00	44.5	101.8	57.3	0.00	0.01	0.01	0.8	NE
7/12/2023 08:23:00	45.9	95.4	49.6	0.00	0.01	0.01	0.8	E
7/12/2023 08:24:00	50.5	90.4	39.9	0.00	0.01	0.01	0.8	SE
7/12/2023 08:25:00	64.4	82.5	18.0	0.00	0.01	0.01	0.8	ESE
7/12/2023 08:26:00	83.6	79.2	-4.4	0.00	0.01	0.01	0.8	ESE
7/12/2023 08:27:00	94.0	80.3	-13.8	0.00	0.01	0.01	0.8	E
7/12/2023 08:28:00	107.5	83.4	-24.1	0.00	0.01	0.01	0.8	SE
7/12/2023 08:29:00	110.9	78.6	-32.3	0.00	0.01	0.01	0.8	WSW
7/12/2023 08:30:00	111.0	76.7	-34.4	0.00	0.01	0.01	0.8	SSE
7/12/2023 08:31:00	110.8	78.6	-32.2	0.00	0.01	0.01	0.7	E
7/12/2023 08:32:00	110.5	79.3	-31.2	0.00	0.01	0.00	0.7	E
7/12/2023 08:33:00	108.5	73.1	-35.5	0.00	0.01	0.00	0.7	NNE
7/12/2023 08:34:00	87.1	65.4	-21.7	0.00	0.01	0.01	0.6	ENE
7/12/2023 08:35:00	86.1	54.9	-31.2	0.00	0.00	0.00	0.6	E
7/12/2023 08:36:00	85.5	56.0	-29.5	0.00	0.00	0.00	0.7	E
7/12/2023 08:37:00	83.4	56.2	-27.2	0.00	0.00	0.00	0.6	ENE
7/12/2023 08:38:00	80.3	58.4	-21.9	0.00	0.00	0.00	0.6	ESE
7/12/2023 08:39:00	74.7	76.6	1.9	0.00	0.00	0.00	0.6	E
7/12/2023 08:40:00	60.2	104.1	43.9	0.00	0.00	0.00	0.6	ENE
7/12/2023 08:41:00	40.8	122.1	81.3	0.00	0.00	0.00	0.7	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
7/12/2023 08:42:00	30.3	121.1	90.8	0.00	0.00	0.00	0.7	E
7/12/2023 08:43:00	16.7	126.9	110.2	0.00	0.00	0.00	0.8	E
7/12/2023 08:44:00	22.0	124.4	102.4	0.00	0.00	0.00	0.8	W
7/12/2023 08:45:00	21.7	128.6	106.8	0.00	0.00	0.00	0.8	NNE
7/12/2023 08:46:00	21.4	125.9	104.5	0.00	0.00	0.00	0.8	ENE
7/12/2023 08:47:00	21.2	124.4	103.1	0.00	0.00	0.00	0.9	E
7/12/2023 08:48:00	21.1	123.8	102.7	0.00	0.00	0.00	0.9	ESE
7/12/2023 08:49:00	21.0	123.3	102.3	0.00	0.00	0.00	0.9	SE
7/12/2023 08:50:00	21.0	122.4	101.4	0.00	0.00	0.00	0.9	E
7/12/2023 08:51:00	20.8	118.6	97.8	0.00	0.00	0.00	0.9	ENE
7/12/2023 08:52:00	20.7	115.6	94.9	0.00	0.00	0.00	0.9	E
7/12/2023 08:53:00	20.6	116.9	96.3	0.00	0.00	0.00	0.9	E
7/12/2023 08:54:00	20.6	103.4	82.8	0.00	0.01	0.01	0.9	ENE
7/12/2023 08:55:00	20.7	77.6	56.9	0.00	0.01	0.01	0.9	ESE
7/12/2023 08:56:00	36.0	58.1	22.1	0.00	0.01	0.01	0.8	SSW
7/12/2023 08:57:00	35.9	75.1	39.1	0.00	0.01	0.01	0.8	SE
7/12/2023 08:58:00	35.8	87.2	51.4	0.00	0.01	0.01	0.8	ESE
7/12/2023 08:59:00	27.2	106.0	78.8	0.00	0.01	0.01	0.8	E
7/12/2023 09:00:00	40.3	99.8	59.6	0.00	0.01	0.01	0.7	S
7/12/2023 09:01:00	47.8	98.5	50.7	0.00	0.01	0.01	0.7	SSE
7/12/2023 09:02:00	53.3	97.9	44.6	0.00	0.01	0.01	0.7	S
7/12/2023 09:03:00	59.6	97.5	38.0	0.00	0.01	0.01	0.6	WSW
7/12/2023 09:04:00	59.6	100.6	41.0	0.00	0.01	0.01	0.6	ENE
7/12/2023 09:05:00	59.8	100.6	40.9	0.00	0.01	0.01	0.6	SE
7/12/2023 09:06:00	59.8	104.1	44.3	0.00	0.01	0.01	0.6	NE
7/12/2023 09:07:00	65.5	103.7	38.2	0.00	0.01	0.01	0.5	SW
7/12/2023 09:08:00	68.6	97.8	29.2	0.00	0.01	0.01	0.5	SSE
7/12/2023 09:09:00	70.5	93.2	22.7	0.00	0.00	0.00	0.6	E
7/12/2023 09:10:00	72.7	87.0	14.4	0.00	0.00	0.00	0.5	WNW
7/12/2023 09:11:00	59.4	87.5	28.1	0.00	0.00	0.00	0.6	SW
7/12/2023 09:12:00	59.9	70.4	10.5	0.00	0.00	0.00	0.6	SE
7/12/2023 09:13:00	61.8	48.0	-13.9	0.00	0.00	0.00	0.6	SW
7/12/2023 09:14:00	62.1	29.7	-32.4	0.00	0.00	0.00	0.6	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
7/12/2023 09:15:00	49.2	30.2	-19.0	0.00	0.00	0.00	0.6	E
7/12/2023 09:16:00	43.3	31.0	-12.3	0.00	0.00	0.00	0.5	SE
7/12/2023 09:17:00	41.7	32.9	-8.7	0.00	0.00	0.00	0.6	E
7/12/2023 09:18:00	37.8	41.2	3.5	0.00	0.00	0.00	0.6	ESE
7/12/2023 09:19:00	47.2	38.1	-9.2	0.00	0.00	0.00	0.6	SSW
7/12/2023 09:20:00	65.3	37.7	-27.6	0.00	0.00	0.00	0.6	W
7/12/2023 09:21:00	83.0	33.7	-49.3	0.00	0.00	0.00	0.7	SSW
7/12/2023 09:22:00	88.5	33.8	-54.7	0.00	0.00	0.00	0.7	WSW
7/12/2023 09:23:00	89.1	33.7	-55.4	0.00	0.00	0.00	0.7	SW
7/12/2023 09:24:00	87.6	32.6	-55.0	0.00	0.00	0.00	0.7	NE
7/12/2023 09:25:00	88.9	32.2	-56.7	0.00	0.00	0.00	0.7	S
7/12/2023 09:26:00	89.5	31.8	-57.7	0.00	0.00	0.00	0.7	SSW
7/12/2023 09:27:00	92.4	30.0	-62.3	0.00	0.00	0.00	0.6	SW
7/12/2023 09:28:00	90.7	32.3	-58.4	0.00	0.00	0.00	0.6	ENE
7/12/2023 09:29:00	95.0	32.3	-62.7	0.00	0.00	0.00	0.6	S
7/12/2023 09:30:00	96.7	31.8	-64.9	0.00	0.00	0.00	0.6	SSW
7/12/2023 09:31:00	106.7	30.8	-75.9	0.00	0.00	0.00	0.6	SW
7/12/2023 09:32:00	129.3	28.7	-100.6	0.00	0.00	0.00	0.6	SSW
7/12/2023 09:33:00	140.3	20.3	-119.9	0.00	0.00	0.00	0.7	SW
7/12/2023 09:34:00	144.6	20.0	-124.7	0.00	0.00	0.00	0.6	W
7/12/2023 09:35:00	126.9	25.3	-101.6	0.00	0.00	0.00	0.6	N
7/12/2023 09:36:00	112.6	26.3	-86.2	0.00	0.00	0.00	0.6	WSW
7/12/2023 09:37:00	114.8	27.1	-87.7	0.00	0.00	0.00	0.5	W
7/12/2023 09:38:00	150.6	27.3	-123.3	0.00	0.00	0.00	0.5	SSW
7/12/2023 09:39:00	214.8	23.3	-191.6	0.00	0.00	0.00	0.5	SW
7/12/2023 09:40:00	290.8	23.4	-267.4	0.00	0.00	0.00	0.6	WNW
7/12/2023 09:41:00	328.3	23.6	-304.8	0.00	0.00	0.00	0.6	S
7/12/2023 09:42:00	377.3	23.6	-353.7	0.00	0.00	0.00	0.6	SW
7/12/2023 09:43:00	398.9	21.1	-377.8	0.00	0.00	0.00	0.6	SW
7/12/2023 09:44:00	394.2	30.8	-363.4	0.00	0.00	0.00	0.6	ESE
7/12/2023 09:45:00	392.2	33.3	-358.9	0.00	0.00	0.00	0.7	ESE
7/12/2023 09:46:00	381.9	33.3	-348.6	0.00	0.00	0.00	0.7	SW
7/12/2023 09:47:00	355.1	36.4	-318.7	0.00	0.00	0.00	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
7/12/2023 09:48:00	341.6	37.8	-303.8	0.00	0.00	0.00	0.6	E
7/12/2023 09:49:00	327.6	38.7	-288.9	0.00	0.00	0.00	0.6	NE
7/12/2023 09:50:00	327.0	33.8	-293.2	0.00	0.00	0.00	0.6	SE
7/12/2023 09:51:00	323.5	33.0	-290.5	0.00	0.00	0.00	0.7	SE
7/12/2023 09:52:00	310.6	31.9	-278.7	0.00	0.00	0.00	0.7	S
7/12/2023 09:53:00	271.7	31.4	-240.3	0.00	0.00	0.00	0.7	SW
7/12/2023 09:54:00	207.1	31.9	-175.2	0.00	0.00	0.00	0.7	NE
7/12/2023 09:55:00	127.5	33.2	-94.3	0.00	0.00	0.00	0.7	ESE
7/12/2023 09:56:00	90.2	32.7	-57.5	0.00	0.00	0.00	0.7	SSW
7/12/2023 09:57:00	39.3	32.4	-6.9	0.00	0.00	0.00	0.7	WNW
7/12/2023 09:58:00	17.7	32.1	14.4	0.00	0.00	0.00	0.7	SSW
7/12/2023 09:59:00	18.7	21.7	3.0	0.00	0.00	0.00	0.7	WSW
7/12/2023 10:00:00	19.6	19.0	-0.6	0.00	0.00	0.00	0.6	NW
7/12/2023 10:01:00	18.6	19.0	0.4	0.00	0.00	0.00	0.6	SSW
7/12/2023 10:02:00	19.2	15.9	-3.4	0.00	0.00	0.00	0.6	WNW
7/12/2023 10:03:00	19.7	14.4	-5.4	0.00	0.00	0.00	0.6	SSW
7/12/2023 10:04:00	20.1	13.4	-6.7	0.00	0.00	0.00	0.6	S
7/12/2023 10:05:00	20.3	13.0	-7.3	0.00	0.00	0.00	0.6	SE
7/12/2023 10:06:00	20.9	12.7	-8.1	0.00	0.00	0.00	0.6	SSE
7/12/2023 10:07:00	20.3	13.6	-6.7	0.00	0.00	0.00	0.6	ESE
7/12/2023 10:08:00	19.6	13.8	-5.8	0.00	0.00	0.00	0.5	SE
7/12/2023 10:09:00	19.5	13.2	-6.4	0.00	0.00	0.00	0.5	NNW
7/12/2023 10:10:00	19.9	11.4	-8.5	0.00	0.00	0.00	0.5	SSE
7/12/2023 10:11:00	17.5	11.4	-6.1	0.00	0.00	0.00	0.6	SSE
7/12/2023 10:12:00	15.8	11.9	-3.9	0.00	0.00	0.00	0.6	E
7/12/2023 10:13:00	15.2	12.2	-3.0	0.00	0.00	0.00	0.6	ESE
7/12/2023 10:14:00	14.0	12.5	-1.5	0.00	0.00	0.00	0.6	SE
7/12/2023 10:15:00	13.5	12.5	-1.1	0.00	0.00	0.00	0.6	W
7/12/2023 10:16:00	14.4	12.4	-2.0	0.00	0.00	0.00	0.6	WNW
7/12/2023 10:17:00	13.8	13.5	-0.3	0.00	0.00	0.00	0.6	SSE
7/12/2023 10:18:00	13.3	22.2	8.9	0.00	0.00	0.00	0.6	E
7/12/2023 10:19:00	23.9	22.1	-1.7	0.00	0.00	0.00	0.6	SSE
7/12/2023 10:20:00	29.1	21.8	-7.2	0.00	0.00	0.00	0.6	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
7/12/2023 10:21:00	28.5	24.3	-4.2	0.00	0.02	0.01	0.6	E
7/12/2023 10:22:00	28.7	25.8	-2.9	0.00	0.03	0.03	0.6	SE
7/12/2023 10:23:00	31.0	25.7	-5.3	0.01	0.03	0.02	0.6	WSW
7/12/2023 10:24:00	31.0	27.2	-3.8	0.01	0.03	0.02	0.6	ENE
7/12/2023 10:25:00	30.7	29.0	-1.7	0.01	0.03	0.02	0.6	SE
7/12/2023 10:26:00	31.3	29.0	-2.3	0.01	0.03	0.02	0.6	S
7/12/2023 10:27:00	31.3	29.4	-1.8	0.01	0.03	0.02	0.6	E
7/12/2023 10:28:00	31.3	29.6	-1.7	0.01	0.03	0.02	0.6	SE
7/12/2023 10:29:00	31.9	29.4	-2.6	0.01	0.03	0.02	0.6	SSW
7/12/2023 10:30:00	33.7	29.4	-4.4	0.01	0.03	0.02	0.6	W
7/12/2023 10:31:00	34.2	29.4	-4.9	0.01	0.03	0.02	0.6	WSW
7/12/2023 10:32:00	36.3	28.3	-8.0	0.01	0.03	0.02	0.6	SW
7/12/2023 10:33:00	37.6	19.5	-18.0	0.01	0.03	0.02	0.6	SW
7/12/2023 10:34:00	28.6	19.6	-8.9	0.01	0.03	0.03	0.7	SSW
7/12/2023 10:35:00	24.0	19.7	-4.3	0.00	0.03	0.03	0.7	SW
7/12/2023 10:36:00	24.7	17.2	-7.5	0.00	0.02	0.01	0.7	SSW
7/12/2023 10:37:00	24.6	15.5	-9.0	0.00	0.00	0.00	0.7	NNE
7/12/2023 10:38:00	22.3	15.9	-6.5	0.00	0.00	0.00	0.7	ENE
7/12/2023 10:39:00	22.8	14.3	-8.6	0.00	0.00	0.00	0.7	W
7/12/2023 10:40:00	24.1	12.6	-11.5	0.00	0.00	0.00	0.7	NW
7/12/2023 10:41:00	23.2	13.7	-9.5	0.00	0.00	0.00	0.7	ENE
7/12/2023 10:42:00	23.6	13.7	-10.0	0.00	0.00	0.00	0.7	ESE
7/12/2023 10:43:00	25.0	13.5	-11.5	0.00	0.01	0.01	0.7	S
7/12/2023 10:44:00	25.5	14.0	-11.5	0.00	0.01	0.01	0.7	WSW
7/12/2023 10:45:00	23.9	14.2	-9.7	0.00	0.01	0.01	0.7	SSW
7/12/2023 10:46:00	22.4	14.7	-7.7	0.00	0.01	0.01	0.7	SW
7/12/2023 10:47:00	20.6	15.9	-4.7	0.00	0.01	0.01	0.8	SW
7/12/2023 10:48:00	19.9	16.4	-3.5	0.00	0.01	0.01	0.8	SSW
7/12/2023 10:49:00	18.6	16.4	-2.2	0.00	0.01	0.01	0.8	WSW
7/12/2023 10:50:00	18.2	16.4	-1.8	0.00	0.01	0.01	0.8	SSW
7/12/2023 10:51:00	18.0	16.5	-1.5	0.00	0.01	0.01	0.8	WSW
7/12/2023 10:52:00	18.2	15.9	-2.4	0.00	0.01	0.01	0.9	W
7/12/2023 10:53:00	19.1	15.5	-3.6	0.00	0.01	0.01	0.9	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
7/12/2023 10:54:00	18.6	16.2	-2.5	0.00	0.01	0.01	0.9	E
7/12/2023 10:55:00	17.4	16.2	-1.2	0.00	0.01	0.01	0.9	ENE
7/12/2023 10:56:00	17.1	15.1	-2.1	0.00	0.01	0.01	1.0	E
7/12/2023 10:57:00	16.7	14.2	-2.5	0.00	0.01	0.01	1.0	NE
7/12/2023 10:58:00	15.3	13.3	-2.1	0.00	0.00	0.00	1.0	E
7/12/2023 10:59:00				0.00	0.00	0.00	0.9	SSW
7/12/2023 11:00:00				0.00	0.00	0.00	0.9	W
7/12/2023 11:01:00	12.8	46.2	33.5	0.00	0.00	0.00	0.9	W
7/12/2023 11:02:00	13.1	60.6	47.5	0.00	0.00	0.00	0.8	S
7/12/2023 11:03:00	27.5	46.7	19.2	0.00	0.00	0.00	0.8	ESE
7/12/2023 11:04:00	27.0	40.6	13.6	0.00	0.00	0.00	0.8	SE
7/12/2023 11:05:00	25.3	37.8	12.5	0.00	0.00	0.00	0.8	S
7/12/2023 11:06:00	23.6	34.1	10.5	0.00	0.00	0.00	0.8	SW
7/12/2023 11:07:00	22.4	31.6	9.2	0.00	0.00	0.00	0.8	E
7/12/2023 11:08:00	21.1	29.8	8.7	0.00	0.00	0.00	0.7	E
7/12/2023 11:09:00	20.0	27.7	7.7	0.00	0.00	0.00	0.7	S
7/12/2023 11:10:00	19.1	25.7	6.6	0.00	0.00	0.00	0.7	ENE
7/12/2023 11:11:00	18.4	24.0	5.6	0.00	0.00	0.00	0.6	SSE
7/12/2023 11:12:00	17.8	22.6	4.9	0.00	0.00	0.00	0.6	NNE
7/12/2023 11:13:00	17.3	21.5	4.2	0.00	0.00	0.00	0.6	NNE
7/12/2023 11:14:00	17.0	20.6	3.6	0.00	0.00	0.00	0.6	E
7/12/2023 11:15:00	16.6	20.1	3.5	0.00	0.00	0.00	0.6	ESE
7/12/2023 11:16:00	16.4	17.7	1.2	0.00	0.00	0.00	0.6	E
7/12/2023 11:17:00	16.2	13.4	-2.9	0.00	0.00	0.00	0.6	E
7/12/2023 11:18:00	13.2	12.8	-0.4	0.00	0.00	0.00	0.6	E
7/12/2023 11:19:00	12.1	11.8	-0.3	0.00	0.00	0.00	0.7	E
7/12/2023 11:20:00	11.5	11.3	-0.2	0.00	0.00	0.00	0.7	ESE
7/12/2023 11:21:00	11.2	11.4	0.1	0.00	0.00	0.00	0.8	E
7/12/2023 11:22:00	10.9	11.2	0.3	0.00	0.00	0.00	0.8	ESE
7/12/2023 11:23:00	10.9	10.9	0.0	0.00	0.00	0.00	0.8	E
7/12/2023 11:24:00	13.0	12.1	-0.8	0.00	0.00	0.00	0.8	E
7/12/2023 11:25:00	18.4	15.5	-2.9	0.00	0.00	0.00	0.9	E
7/12/2023 11:26:00	21.0	16.8	-4.2	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
7/12/2023 11:27:00	24.0	18.1	-5.9	0.00	0.00	0.00	1.1	E
7/12/2023 11:28:00	24.8	19.3	-5.5	0.00	0.00	0.00	1.1	E
7/12/2023 11:29:00	25.5	20.0	-5.5	0.00	0.00	0.00	1.1	N
7/12/2023 11:30:00	25.9	20.8	-5.0	0.00	0.00	0.00	1.1	WNW
7/12/2023 11:31:00	26.2	22.1	-4.1	0.00	0.00	0.00	1.2	W
7/12/2023 11:32:00	27.6	22.1	-5.5	0.01	0.00	-0.01	1.2	ESE
7/12/2023 11:33:00	27.8	22.6	-5.2	0.02	0.00	-0.02	1.1	E
7/12/2023 11:34:00	28.0	24.9	-3.1	0.02	0.00	-0.02	1.1	E
7/12/2023 11:35:00	28.3	27.1	-1.2	0.02	0.00	-0.02	1.0	E
7/12/2023 11:36:00	28.6	27.2	-1.4	0.02	0.00	-0.02	1.1	E
7/12/2023 11:37:00	29.0	27.3	-1.8	0.02	0.00	-0.02	1.1	SE
7/12/2023 11:38:00	29.3	27.7	-1.5	0.02	0.00	-0.02	1.1	ENE
7/12/2023 11:39:00	27.9	27.2	-0.6	0.02	0.00	-0.02	1.1	E
7/12/2023 11:40:00	23.5	24.6	1.1	0.02	0.00	-0.02	1.1	WNW
7/12/2023 11:41:00	21.4	24.3	2.9	0.02	0.00	-0.02	1.1	ESE
7/12/2023 11:42:00	18.7	23.5	4.8	0.02	0.00	-0.02	1.0	W
7/12/2023 11:43:00	17.9	22.8	4.9	0.02	0.00	-0.02	1.0	W
7/12/2023 11:44:00	17.0	22.5	5.5	0.02	0.00	-0.02	1.0	W
7/12/2023 11:45:00	16.4	21.8	5.4	0.02	0.00	-0.02	1.0	WNW
7/12/2023 11:46:00	15.9	20.8	4.9	0.02	0.00	-0.02	1.0	W
7/12/2023 11:47:00	14.8	20.6	5.8	0.01	0.00	-0.01	1.0	SE
7/12/2023 11:48:00	14.5	20.7	6.2	0.00	0.00	0.00	1.0	WNW
7/12/2023 11:49:00	14.4	19.1	4.7	0.00	0.00	0.00	1.1	WNW
7/12/2023 11:50:00	14.1	16.8	2.7	0.00	0.00	0.00	1.1	NW
7/12/2023 11:51:00	13.7	16.6	2.9	0.00	0.00	0.00	1.0	W
7/12/2023 11:52:00	13.7	16.2	2.5	0.00	0.00	0.00	1.0	NE
7/12/2023 11:53:00	13.6	15.4	1.9	0.00	0.00	0.00	1.1	E
7/12/2023 11:54:00	13.3	14.6	1.3	0.00	0.00	0.00	1.0	NNW
7/12/2023 11:55:00	12.7	14.1	1.3	0.00	0.00	0.00	1.1	SSE
7/12/2023 11:56:00	12.4	13.3	0.9	0.00	0.00	0.00	1.1	NNW
7/12/2023 11:57:00	11.9	13.1	1.1	0.00	0.00	0.00	1.0	WNW
7/12/2023 11:58:00	11.8	12.9	1.1	0.00	0.00	0.00	1.0	NW
7/12/2023 11:59:00	11.8	12.7	0.9	0.00	0.00	0.00	1.0	WNW

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2023 12:00:00	11.8	12.7	0.9	0.00	0.00	0.00	1.0	WNW
7/12/2023 12:01:00	11.8	12.7	0.8	0.00	0.00	0.00	1.0	WSW
7/12/2023 12:02:00	11.5	13.0	1.5	0.00	0.00	0.00	1.0	SW
7/12/2023 12:03:00	11.6	12.3	0.8	0.00	0.00	0.00	1.0	NE
7/12/2023 12:04:00	11.5	11.5	0.0	0.00	0.00	0.00	1.0	ENE
7/12/2023 12:05:00	11.5	10.8	-0.7	0.00	0.00	0.00	1.0	NE
7/12/2023 12:06:00	11.4	10.2	-1.3	0.00	0.00	0.00	1.1	ESE
7/12/2023 12:07:00	11.0	10.0	-1.0	0.00	0.00	0.00	1.2	E
7/12/2023 12:08:00	10.5	10.0	-0.5	0.00	0.00	0.00	1.2	SSE
7/12/2023 12:09:00	10.0	9.8	-0.2	0.00	0.00	0.00	1.2	SE
7/12/2023 12:10:00	9.1	9.9	0.8	0.00	0.00	0.00	1.2	WNW
7/12/2023 12:11:00	9.1	9.7	0.6	0.00	0.00	0.00	1.2	E
7/12/2023 12:12:00	9.3	9.3	0.0	0.00	0.00	0.00	1.2	ESE
7/12/2023 12:13:00	9.5	8.9	-0.6	0.00	0.00	0.00	1.2	E
7/12/2023 12:14:00	9.7	8.5	-1.2	0.00	0.00	0.00	1.2	NE
7/12/2023 12:15:00	9.7	8.5	-1.2	0.00	0.00	0.00	1.2	NNW
7/12/2023 12:16:00	9.9	8.1	-1.8	0.00	0.00	0.00	1.2	E
7/12/2023 12:17:00	10.1	7.7	-2.4	0.00	0.00	0.00	1.2	E
7/12/2023 12:18:00	10.3	7.6	-2.7	0.00	0.00	0.00	1.2	NNE
7/12/2023 12:19:00	10.3	7.7	-2.6	0.00	0.00	0.00	1.2	ENE
7/12/2023 12:20:00	10.4	7.7	-2.7	0.00	0.00	0.00	1.2	ENE
7/12/2023 12:21:00	10.4	7.7	-2.7	0.00	0.00	0.00	1.2	E
7/12/2023 12:22:00	10.9	7.7	-3.2	0.00	0.00	0.00	1.2	ESE
7/12/2023 12:23:00	11.2	7.4	-3.7	0.00	0.00	0.00	1.2	E
7/12/2023 12:24:00	11.2	7.4	-3.8	0.00	0.00	0.00	1.1	NNW
7/12/2023 12:25:00	11.2	7.4	-3.9	0.00	0.00	0.00	1.1	NW
7/12/2023 12:26:00	11.0	7.3	-3.7	0.00	0.00	0.00	1.3	E
7/12/2023 12:27:00	10.6	7.2	-3.5	0.00	0.00	0.00	1.3	E
7/12/2023 12:28:00	10.4	7.1	-3.3	0.00	0.00	0.00	1.4	ENE
7/12/2023 12:29:00	10.1	7.0	-3.1	0.00	0.00	0.00	1.5	ESE
7/12/2023 12:30:00	10.0	6.3	-3.7	0.00	0.00	0.00	1.6	E
7/12/2023 12:31:00	9.8	6.2	-3.5	0.00	0.00	0.00	1.7	E
7/12/2023 12:32:00	9.5	6.2	-3.3	0.00	0.00	0.00	1.8	E

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2023 12:33:00	9.1	6.0	-3.0	0.00	0.00	0.00	1.9	E
7/12/2023 12:34:00	8.9	5.9	-3.0	0.00	0.00	0.00	1.9	E
7/12/2023 12:35:00	8.8	5.8	-3.0	0.00	0.00	0.00	2.0	E
7/12/2023 12:36:00	8.7	5.8	-3.0	0.00	0.00	0.00	2.0	E
7/12/2023 12:37:00	8.2	5.8	-2.4	0.00	0.00	0.00	2.0	E
7/12/2023 12:38:00	8.1	6.4	-1.7	0.00	0.00	0.00	2.1	E
7/12/2023 12:39:00	8.3	8.3	0.1	0.00	0.00	0.00	2.2	E
7/12/2023 12:40:00	8.8	8.9	0.1	0.00	0.00	0.00	2.4	E
7/12/2023 12:41:00	9.0	9.4	0.4	0.00	0.00	0.00	2.3	NW
7/12/2023 12:42:00	9.2	9.8	0.6	0.00	0.00	0.00	2.2	WNW
7/12/2023 12:43:00	9.5	10.5	1.0	0.01	0.00	-0.01	2.1	NW
7/12/2023 12:44:00	9.8	11.1	1.3	0.01	0.00	0.00	2.1	ENE
7/12/2023 12:45:00	10.1	11.5	1.4	0.01	0.00	0.00	2.0	NW
7/12/2023 12:46:00	10.3	11.8	1.5	0.01	0.00	0.00	1.9	W
7/12/2023 12:47:00	10.4	12.4	2.0	0.01	0.00	0.00	1.7	W
7/12/2023 12:48:00	10.5	13.1	2.6	0.01	0.00	0.00	1.7	NW
7/12/2023 12:49:00	10.8	13.7	2.9	0.01	0.00	0.00	1.7	E
7/12/2023 12:50:00	10.9	13.9	3.1	0.01	0.00	0.00	1.8	ENE
7/12/2023 12:51:00	10.8	14.1	3.3	0.01	0.00	0.00	1.7	E
7/12/2023 12:52:00	10.7	14.3	3.5	0.01	0.00	0.00	1.7	SSE
7/12/2023 12:53:00	10.7	14.3	3.6	0.01	0.00	0.00	1.6	NE
7/12/2023 12:54:00	11.6	14.7	3.1	0.01	0.00	0.00	1.5	NE
7/12/2023 12:55:00	11.6	15.0	3.4	0.01	0.00	0.00	1.4	ENE
7/12/2023 12:56:00	11.6	14.8	3.2	0.01	0.00	0.00	1.5	E
7/12/2023 12:57:00	11.9	15.0	3.2	0.00	0.00	0.00	1.6	E
7/12/2023 12:58:00	11.8	14.7	2.8	0.00	0.00	0.00	1.7	E
7/12/2023 12:59:00	11.8	15.1	3.4	0.00	0.00	0.00	1.7	E
7/12/2023 13:00:00	11.7	15.7	4.0	0.00	0.00	0.00	1.8	E
7/12/2023 13:01:00	11.7	15.5	3.8	0.00	0.00	0.00	1.9	E
7/12/2023 13:02:00	11.7	15.1	3.4	0.00	0.00	0.00	2.1	E
7/12/2023 13:03:00	11.6	14.5	3.0	0.00	0.00	0.00	2.1	E
7/12/2023 13:04:00	11.3	14.0	2.7	0.00	0.00	0.00	2.1	ENE
7/12/2023 13:05:00	11.2	13.6	2.5	0.00	0.00	0.00	2.0	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
7/12/2023 13:06:00	11.1	13.4	2.3	0.00	0.00	0.00	2.1	ENE
7/12/2023 13:07:00	11.2	13.2	2.0	0.00	0.00	0.00	2.2	E
7/12/2023 13:08:00	11.1	12.5	1.4	0.00	0.00	0.00	2.3	ENE
7/12/2023 13:09:00	9.8	10.0	0.2	0.00	0.00	0.00	2.3	NE
7/12/2023 13:10:00	9.4	8.9	-0.5	0.00	0.00	0.00	2.2	NNW
7/12/2023 13:11:00	9.1	9.0	-0.1	0.00	0.00	0.00	2.1	ENE
7/12/2023 13:12:00	8.7	8.6	-0.1	0.00	0.00	0.00	2.1	ENE
7/12/2023 13:13:00	8.5	8.4	-0.1	0.00	0.00	0.00	2.1	NE
7/12/2023 13:14:00	8.3	7.7	-0.6	0.00	0.00	0.00	2.2	ENE
7/12/2023 13:15:00	8.2	8.3	0.1	0.00	0.00	0.00	2.1	ENE
7/12/2023 13:16:00	8.0	10.3	2.2	0.00	0.00	0.00	2.0	E
7/12/2023 13:17:00	8.0	11.7	3.7	0.00	0.00	0.00	2.0	E
7/12/2023 13:18:00	8.2	13.0	4.9	0.00	0.00	0.00	1.9	E
7/12/2023 13:19:00	8.3	14.3	6.0	0.00	0.00	0.00	1.8	ESE
7/12/2023 13:20:00	8.5	15.5	7.0	0.00	0.00	0.00	1.8	E
7/12/2023 13:21:00	8.7	16.8	8.1	0.00	0.00	0.00	1.7	ESE
7/12/2023 13:22:00	8.9	18.0	9.1	0.00	0.00	0.00	1.6	E
7/12/2023 13:23:00	9.1	19.1	10.0	0.00	0.00	0.00	1.5	ENE
7/12/2023 13:24:00	9.4	20.4	10.9	0.00	0.00	0.00	1.6	E
7/12/2023 13:25:00	9.6	21.4	11.8	0.00	0.00	0.00	1.6	E
7/12/2023 13:26:00	9.8	22.3	12.5	0.00	0.00	0.00	1.6	E
7/12/2023 13:27:00	10.0	23.6	13.6	0.00	0.00	0.00	1.7	E
7/12/2023 13:28:00	10.0	24.8	14.8	0.00	0.00	0.00	1.8	ENE
7/12/2023 13:29:00	11.2	24.7	13.5	0.00	0.00	0.00	1.7	SSE
7/12/2023 13:30:00	11.3	24.5	13.2	0.00	0.00	0.00	1.6	ENE
7/12/2023 13:31:00	11.6	23.8	12.2	0.00	0.00	0.00	1.6	NE
7/12/2023 13:32:00	12.1	23.9	11.8	0.00	0.00	0.00	1.5	NE
7/12/2023 13:33:00	12.5	24.1	11.6	0.00	0.00	0.00	1.6	E
7/12/2023 13:34:00	12.5	24.1	11.6	0.00	0.00	0.00	1.8	E
7/12/2023 13:35:00	12.4	24.4	12.0	0.00	0.00	0.00	1.8	ENE
7/12/2023 13:36:00	12.3	24.4	12.1	0.00	0.00	0.00	1.8	ENE
7/12/2023 13:37:00	13.2	23.5	10.4	0.01	0.00	-0.01	1.7	SW
7/12/2023 13:38:00	12.9	23.3	10.4	0.01	0.00	-0.01	1.7	NNE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
7/12/2023 13:39:00	12.6	23.0	10.3	0.01	0.00	-0.01	1.7	E
7/12/2023 13:40:00	13.3	22.1	8.8	0.01	0.00	-0.01	1.6	SSW
7/12/2023 13:41:00	13.2	21.8	8.6	0.01	0.00	-0.01	1.6	ENE
7/12/2023 13:42:00	13.8	20.5	6.7	0.01	0.00	-0.01	1.5	W
7/12/2023 13:43:00	13.8	20.7	7.0	0.01	0.00	-0.01	1.4	NNW
7/12/2023 13:44:00	12.7	22.0	9.3	0.01	0.00	-0.01	1.5	E
7/12/2023 13:45:00	12.8	22.2	9.4	0.01	0.00	-0.01	1.5	E
7/12/2023 13:46:00	12.7	22.4	9.7	0.01	0.00	-0.01	1.7	E
7/12/2023 13:47:00	12.2	22.5	10.3	0.00	0.00	0.00	1.7	ENE
7/12/2023 13:48:00	11.9	22.8	10.9	0.00	0.00	0.00	1.7	E
7/12/2023 13:49:00	11.9	23.4	11.5	0.00	0.00	0.00	1.6	ENE
7/12/2023 13:50:00	12.9	24.2	11.3	0.00	0.00	0.00	1.5	SE
7/12/2023 13:51:00	14.3	24.8	10.5	0.00	0.00	0.00	1.5	ESE
7/12/2023 13:52:00	14.5	26.5	12.1	0.00	0.00	0.01	1.5	SSE
7/12/2023 13:53:00	16.2	27.1	10.9	0.04	0.00	-0.04	1.5	ENE
7/12/2023 13:54:00	16.9	27.5	10.6	0.06	0.00	-0.06	1.5	E
7/12/2023 13:55:00	16.2	29.7	13.5	0.06	0.00	-0.06	1.5	E
7/12/2023 13:56:00	16.2	30.9	14.7	0.06	0.00	-0.06	1.5	SE
7/12/2023 13:57:00	26.7	31.9	5.2	0.06	0.00	-0.06	1.4	N
7/12/2023 13:58:00	27.3	40.5	13.1	0.06	0.00	-0.06	1.5	WNW
7/12/2023 13:59:00	27.8	39.6	11.8	0.06	0.00	-0.06	1.4	ENE
7/12/2023 14:00:00	28.0	39.0	11.0	0.06	0.00	-0.06	1.3	ENE
7/12/2023 14:01:00	28.1	38.4	10.3	0.06	0.00	-0.06	1.2	NNE
7/12/2023 14:02:00	28.3	37.4	9.2	0.06	0.00	-0.06	1.1	NE
7/12/2023 14:03:00	28.3	36.3	8.0	0.06	0.00	-0.06	1.1	ENE
7/12/2023 14:04:00	28.3	35.1	6.8	0.06	0.00	-0.06	1.0	NNE
7/12/2023 14:05:00	28.3	33.8	5.5	0.06	0.00	-0.06	1.0	NE
7/12/2023 14:06:00	52.3	33.4	-18.9	0.06	0.00	-0.06	1.0	NNE
7/12/2023 14:07:00	53.7	32.7	-21.0	0.06	0.00	-0.06	1.0	NE
7/12/2023 14:08:00	52.5	32.6	-19.9	0.02	0.00	-0.02	1.0	NE
7/12/2023 14:09:00	52.4	35.0	-17.4	0.01	0.00	0.00	1.0	NNW
7/12/2023 14:10:00	54.2	34.0	-20.2	0.01	0.00	-0.01	1.0	NNE
7/12/2023 14:11:00	55.8	32.2	-23.6	0.07	0.00	-0.07	1.0	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
7/12/2023 14:12:00	47.4	31.8	-15.6	0.12	0.00	-0.12	1.0	SE
7/12/2023 14:13:00	49.5	22.4	-27.1	0.17	0.00	-0.17	1.0	E
7/12/2023 14:14:00	49.3	22.7	-26.6	0.19	0.00	-0.19	1.0	E
7/12/2023 14:15:00	49.1	23.5	-25.6	0.22	0.00	-0.21	1.0	NE
7/12/2023 14:16:00	49.0	24.8	-24.3	0.22	0.00	-0.22	1.1	NNE
7/12/2023 14:17:00	49.1	25.3	-23.8	0.22	0.00	-0.22	1.1	E
7/12/2023 14:18:00	49.1	25.4	-23.8	0.23	0.00	-0.22	1.1	E
7/12/2023 14:19:00	49.1	25.8	-23.3	0.23	0.00	-0.23	1.2	SSE
7/12/2023 14:20:00	48.3	27.0	-21.3	0.23	0.00	-0.23	1.3	NE
7/12/2023 14:21:00	23.0	27.3	4.3	0.23	0.01	-0.22	1.4	E
7/12/2023 14:22:00	20.6	27.1	6.5	0.23	0.02	-0.21	1.5	E
7/12/2023 14:23:00	20.4	26.9	6.5	0.22	0.03	-0.20	1.5	ENE
7/12/2023 14:24:00	19.9	23.9	4.0	0.22	0.02	-0.20	1.6	ESE
7/12/2023 14:25:00	18.2	23.6	5.4	0.22	0.02	-0.19	1.6	NE
7/12/2023 14:26:00	16.6	23.8	7.2	0.16	0.02	-0.13	1.6	E
7/12/2023 14:27:00	14.0	23.9	10.0	0.11	0.02	-0.09	1.5	E
7/12/2023 14:28:00	11.3	24.3	13.0	0.06	0.03	-0.04	1.5	E
7/12/2023 14:29:00	11.0	24.3	13.3	0.04	0.03	0.00	1.4	E
7/12/2023 14:30:00	11.2	23.8	12.6	0.01	0.04	0.02	1.4	SSE
7/12/2023 14:31:00	11.6	22.7	11.1	0.01	0.04	0.03	1.4	E
7/12/2023 14:32:00	11.3	22.1	10.8	0.01	0.04	0.03	1.4	E
7/12/2023 14:33:00	11.0	21.7	10.7	0.00	0.04	0.03	1.5	ENE
7/12/2023 14:34:00	11.0	20.7	9.7	0.00	0.04	0.04	1.4	SW
7/12/2023 14:35:00	10.8	19.1	8.3	0.00	0.04	0.04	1.4	ESE
7/12/2023 14:36:00	10.6	18.4	7.8	0.00	0.03	0.03	1.3	ESE
7/12/2023 14:37:00	10.3	18.1	7.8	0.00	0.02	0.02	1.3	ENE
7/12/2023 14:38:00	10.1	17.7	7.6	0.00	0.01	0.01	1.3	E
7/12/2023 14:39:00	9.9	17.7	7.9	0.00	0.01	0.01	1.3	E
7/12/2023 14:40:00	9.7	17.8	8.1	0.00	0.01	0.01	1.3	ENE
7/12/2023 14:41:00	9.6	17.8	8.2	0.00	0.01	0.01	1.3	N
7/12/2023 14:42:00	10.1	17.0	6.9	0.00	0.01	0.01	1.4	SSE
7/12/2023 14:43:00	9.9	16.5	6.6	0.00	0.01	0.01	1.4	SE
7/12/2023 14:44:00	10.0	16.0	6.0	0.00	0.00	0.01	1.5	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
7/12/2023 14:45:00	11.1	15.3	4.3	0.00	0.00	0.00	1.5	NW
7/12/2023 14:46:00	10.7	15.7	5.0	0.00	0.00	0.00	1.6	E
7/12/2023 14:47:00	10.7	15.3	4.7	0.00	0.00	0.00	1.5	ESE
7/12/2023 14:48:00	10.6	15.2	4.6	0.00	0.00	0.00	1.5	ENE
7/12/2023 14:49:00	10.4	15.4	5.0	0.00	0.00	0.00	1.7	ENE
7/12/2023 14:50:00	10.4	15.0	4.6	0.00	0.00	0.00	1.7	NE
7/12/2023 14:51:00	10.4	15.1	4.7	0.00	0.00	0.00	1.8	ENE
7/12/2023 14:52:00	10.6	14.7	4.2	0.00	0.00	0.00	1.9	ENE
7/12/2023 14:53:00	10.9	14.5	3.7	0.00	0.00	0.00	2.0	ENE
7/12/2023 14:54:00	11.1	15.2	4.0	0.00	0.00	0.00	2.0	ENE
7/12/2023 14:55:00	11.6	13.8	2.2	0.00	0.00	0.00	1.9	ESE
7/12/2023 14:56:00	12.1	13.8	1.7	0.00	0.00	0.00	2.0	ESE
7/12/2023 14:57:00				0.00	0.00	0.00	2.1	ESE
7/12/2023 14:58:00				0.00	0.00	0.00	2.1	ENE
7/12/2023 14:59:00	9.1	24.8	15.7	0.00	0.00	0.00	2.1	ENE
7/12/2023 15:00:00	9.4	20.7	11.3	0.00	0.00	0.00	2.1	ENE
7/12/2023 15:01:00	9.5	18.8	9.3	0.00	0.00	0.00	2.0	ENE
7/12/2023 15:02:00	9.4	18.4	9.0	0.00	0.00	0.00	2.1	E
7/12/2023 15:03:00	9.3	18.5	9.2	0.00	0.00	0.00	2.0	E
7/12/2023 15:04:00	9.3	17.1	7.8	0.00	0.00	0.00	1.9	ENE
7/12/2023 15:05:00	9.4	16.8	7.4	0.00	0.00	0.00	1.8	E
7/12/2023 15:06:00	9.3	15.9	6.6	0.00	0.00	0.00	1.8	ENE
7/12/2023 15:07:00	9.4	14.8	5.4	0.00	0.00	0.00	1.7	ENE
7/12/2023 15:08:00	9.5	14.0	4.5	0.00	0.00	0.00	1.8	NNE
7/12/2023 15:09:00	9.5	13.5	4.0	0.00	0.00	0.00	1.8	ENE
7/12/2023 15:10:00	9.5	12.9	3.4	0.00	0.00	0.00	1.9	NNE
7/12/2023 15:11:00	9.4	12.5	3.1	0.00	0.00	0.00	1.8	NE
7/12/2023 15:12:00	9.2	12.0	2.8	0.00	0.00	0.00	1.7	NE
7/12/2023 15:13:00	9.1	11.6	2.5	0.00	0.00	0.00	1.8	ENE
7/12/2023 15:14:00	8.9	10.4	1.5	0.00	0.00	0.00	1.8	E
7/12/2023 15:15:00	8.7	9.7	1.0	0.00	0.00	0.00	1.8	SE
7/12/2023 15:16:00	8.4	9.1	0.6	0.00	0.00	0.00	1.9	ENE
7/12/2023 15:17:00	8.3	8.2	-0.1	0.00	0.00	0.00	2.0	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
7/12/2023 15:18:00	8.1	7.1	-1.0	0.00	0.00	0.00	2.0	E
7/12/2023 15:19:00	7.9	6.7	-1.2	0.00	0.00	0.00	2.0	E
7/12/2023 15:20:00	7.6	5.9	-1.8	0.00	0.00	0.00	2.0	E
7/12/2023 15:21:00	7.3	5.6	-1.6	0.00	0.00	0.00	1.9	SSW
7/12/2023 15:22:00	7.1	5.5	-1.6	0.00	0.00	0.00	1.8	NNE
7/12/2023 15:23:00	6.7	5.7	-1.1	0.00	0.00	0.00	1.7	S