

DAILY FIELD REPORT 159

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	January 4, 2024
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	6:45 am to 5:00 pm
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Consultant: Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan)	Langan Field Personnel: Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
Construction Manager: Consigli Construction Co., Inc. (Consigli)	
Foundation Contractor: Urban Foundation/Engineering (Urban)	

Work Activities Performed:

- Urban excavated two areas of about 10-feet-long by 10-feet-wide to about 5 feet below ground surface (bgs) in central part of waste characterization grid WC04_0-5 to mobilize equipment. Excavated soil/fill was temporarily graded adjacent to the excavation area.
- Urban graded an about 15-foot-long by 10-foot-wide area in the southern part of grid WC02 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 advanced a caisson casing in the southwest part of waste characterization grid WC04.
- Urban used a jackhammer to remove concrete from existing caissons in the central and southern parts of the site to prepare for the installation of a mud mat and to mobilize equipment.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the central part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.

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)
	139	2,780	249	4,980	0	-	15	300

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

Materials Import Summary				
Facility Name	<i>Greenpoint Quarry / North Shore Terminal</i>		<i>Stavola Bound Brook / North Shore Terminal</i>	
Location	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>	
Type of Material	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	0	-	0	-
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	4	80	3	60

Samples Collected:

- No samples were collected.

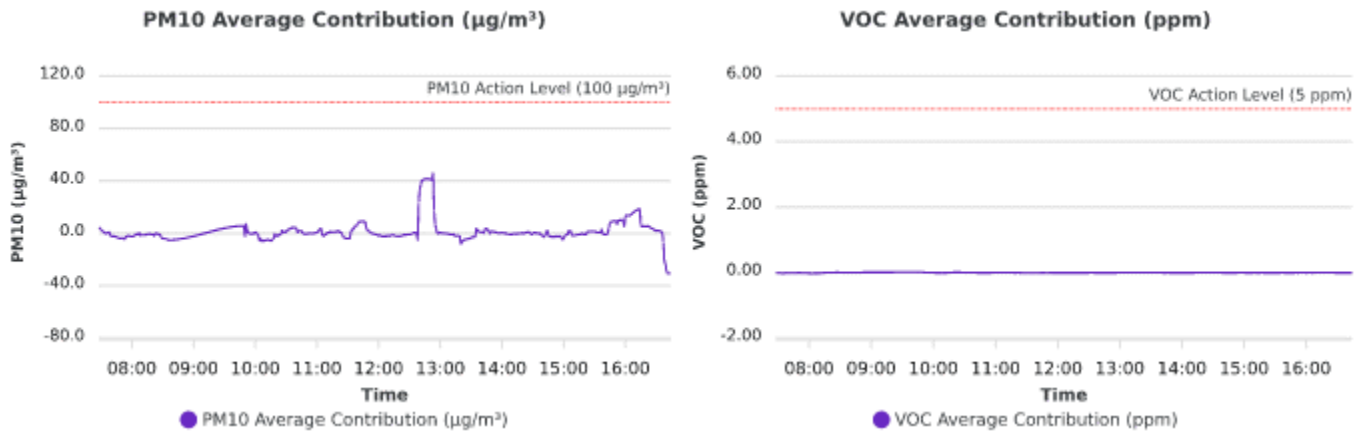
Air Monitoring:

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 particulates (PM10) or organic vapors exceeded the 15-minute average site contribution action level of 100 µg/m³ or 5 ppm, respectively, on this day.

Particulate Monitoring (µg/m ³)		Organic Vapor Monitoring (ppm)	
Daily Background	9.1	Daily Background	0.01
PM10 Average Site Contribution (Minimum)	-30.8	VOC Average Site Contribution (Minimum)	-0.03
PM10 Average Site Contribution (Maximum)	46.3	VOC Average Site Contribution (Maximum)	0.02

µg/m³: micrograms per cubic meter.

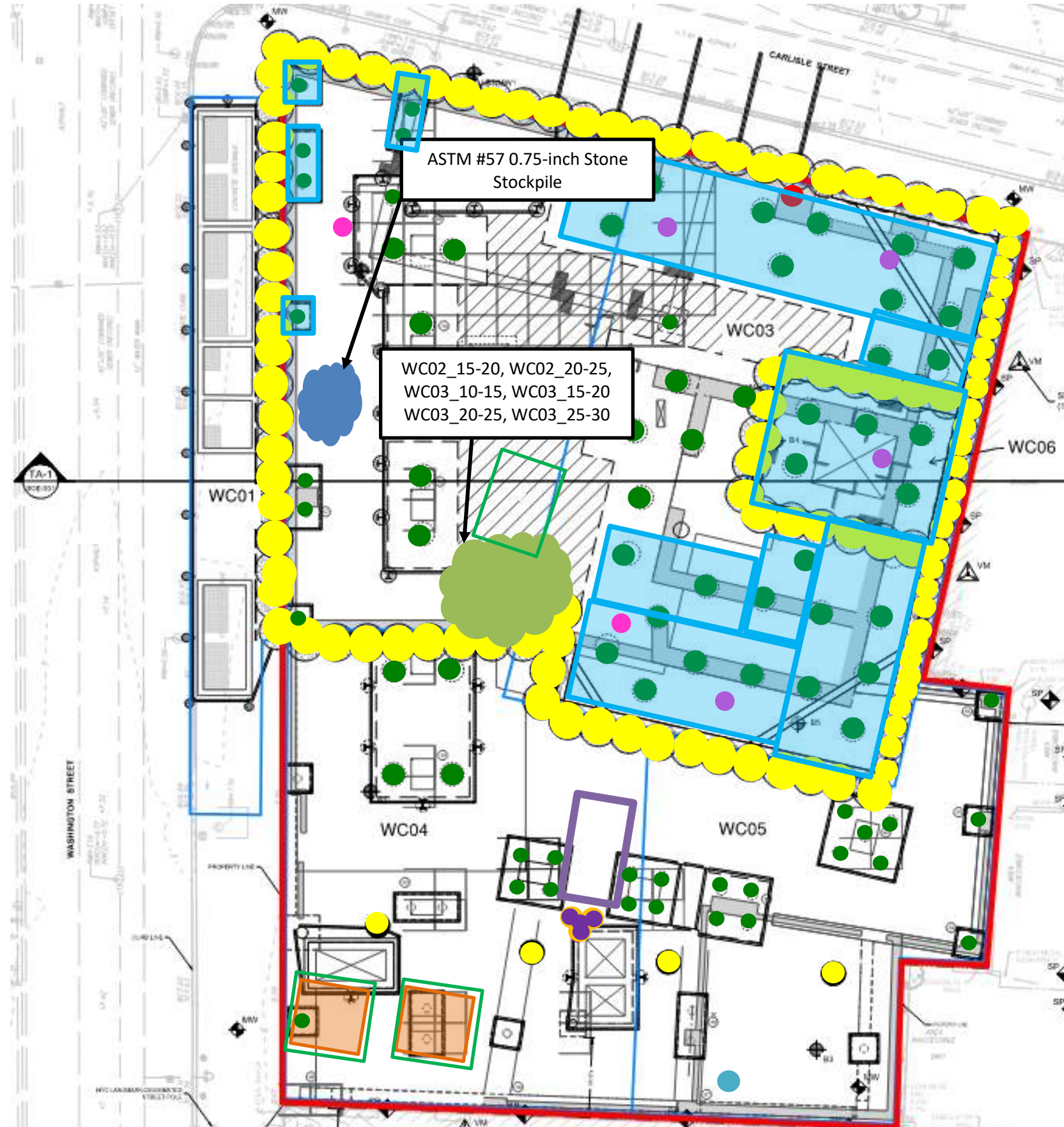
ppm: parts per million.



Planned Activities:

- Urban will continue to excavate and grade site material in support of foundation installation.
- Urban will continue to install waterproofing throughout the building footprint.
- Urban will continue to advance caissons and soldier piles.

SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile - Soil (no impacts)**
- **Stockpile - Stone**
- **Stockpile - Timber Piles**
- 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**
- **Soil-Mix Core Advanced**
- **Documentation Endpoint Sample**
- Completed Waterproofing Installation**
- Approximate Location of the Former UST**

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

Photo Log

Photo 1: Urban excavating in the southern part of WC04_0-5 (facing southwest).



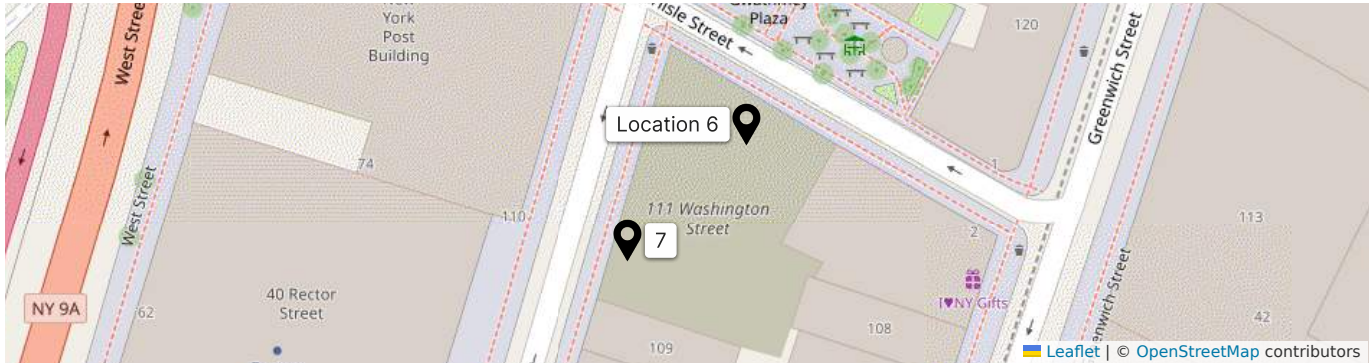
Photo 2: Urban removing concrete in the central part of the site (facing south).



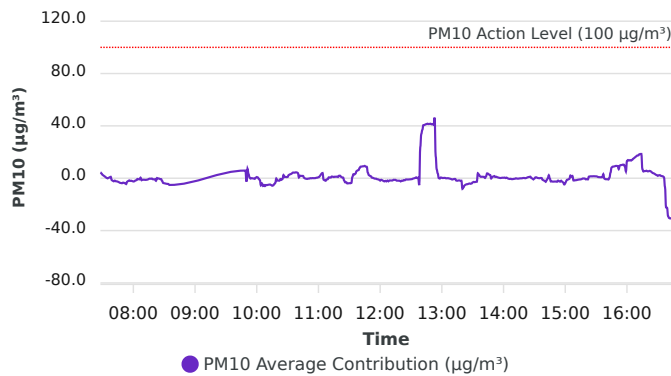
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	1/4/2024 06:00
		To:	1/4/2024 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
1/4/2024	0.1-2.6	NE

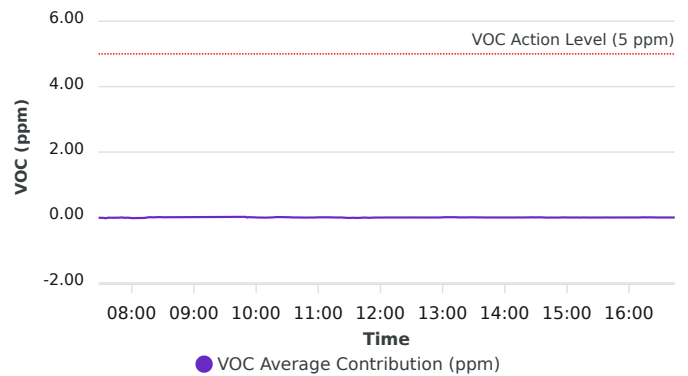
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 1/4/2024	-30.8	16:42	-0.03	07:35
Max Contribution (15 min avg.) - 1/4/2024	46.3	12:53	0.02	09:50



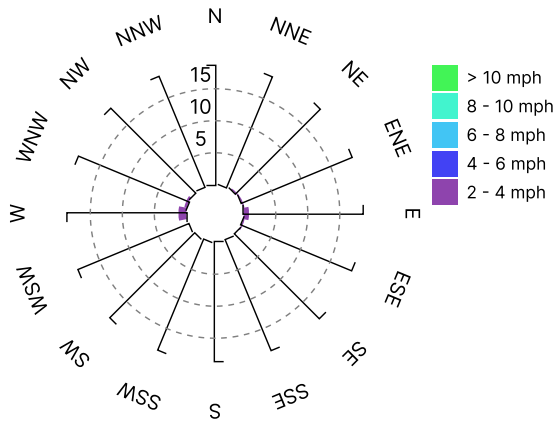
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
1/4/2024 07:28:00	9.1	13.6	4.5	0.01	0.00	-0.01	0.7	W
1/4/2024 07:29:00	9.5	13.1	3.6	0.01	0.00	-0.01	0.9	WSW
1/4/2024 07:30:00	10.0	12.6	2.7	0.01	0.00	-0.01	0.8	NW
1/4/2024 07:31:00	10.3	12.3	2.0	0.01	0.00	-0.01	0.9	W
1/4/2024 07:32:00	10.5	12.0	1.5	0.01	0.00	-0.01	0.9	WNW
1/4/2024 07:33:00	10.9	11.8	0.8	0.01	0.00	-0.01	0.9	WNW
1/4/2024 07:34:00	11.3	11.5	0.2	0.02	0.00	-0.02	0.9	WSW
1/4/2024 07:35:00	11.5	11.4	-0.1	0.03	0.00	-0.03	0.9	WNW
1/4/2024 07:36:00	11.4	11.7	0.3	0.02	0.01	-0.02	0.8	ENE
1/4/2024 07:37:00	11.3	12.0	0.7	0.02	0.01	-0.01	0.8	ENE
1/4/2024 07:38:00	11.2	12.3	1.1	0.02	0.01	0.00	0.8	SE
1/4/2024 07:39:00	13.5	12.1	-1.4	0.02	0.01	-0.01	0.8	SSW
1/4/2024 07:40:00	13.9	11.9	-2.0	0.02	0.01	-0.01	0.8	WNW
1/4/2024 07:41:00	14.2	11.8	-2.4	0.02	0.01	-0.01	0.8	WNW
1/4/2024 07:42:00	14.0	12.1	-1.8	0.02	0.01	-0.01	0.8	E
1/4/2024 07:43:00	14.2	11.9	-2.3	0.02	0.01	-0.01	0.8	WNW
1/4/2024 07:44:00	14.3	11.9	-2.4	0.02	0.01	-0.01	0.7	NNW
1/4/2024 07:45:00	14.5	11.8	-2.7	0.02	0.01	-0.01	0.7	WNW
1/4/2024 07:46:00	14.7	11.7	-3.0	0.02	0.01	-0.01	0.7	NW
1/4/2024 07:47:00	15.1	11.6	-3.5	0.02	0.01	-0.01	0.7	W
1/4/2024 07:48:00	15.6	11.9	-3.7	0.02	0.01	-0.01	0.7	W
1/4/2024 07:49:00	16.8	13.0	-3.8	0.02	0.01	0.00	0.7	W
1/4/2024 07:50:00	17.0	13.6	-3.4	0.01	0.01	0.00	0.7	N
1/4/2024 07:51:00	17.1	13.6	-3.5	0.01	0.01	0.00	0.7	NE
1/4/2024 07:52:00	17.4	13.4	-4.0	0.01	0.01	-0.01	0.7	WSW
1/4/2024 07:53:00	17.6	13.2	-4.5	0.01	0.00	-0.01	0.7	NW
1/4/2024 07:54:00	15.9	13.2	-2.6	0.01	0.00	-0.01	0.7	S
1/4/2024 07:55:00	15.4	13.2	-2.1	0.01	0.00	-0.01	0.7	W
1/4/2024 07:56:00	14.9	13.3	-1.7	0.01	0.01	-0.01	0.7	NNE
1/4/2024 07:57:00	15.1	13.1	-2.0	0.01	0.00	-0.01	0.7	NW
1/4/2024 07:58:00	15.3	13.4	-1.9	0.01	0.00	-0.01	0.7	W
1/4/2024 07:59:00	15.6	13.4	-2.2	0.02	0.00	-0.02	0.8	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
1/4/2024 08:00:00	15.9	13.4	-2.5	0.02	0.00	-0.02	0.8	W
1/4/2024 08:01:00	15.9	13.5	-2.3	0.02	0.00	-0.02	0.7	SW
1/4/2024 08:02:00	15.5	13.8	-1.7	0.02	0.00	-0.02	0.7	SE
1/4/2024 08:03:00	15.3	13.8	-1.5	0.02	0.00	-0.02	0.7	SW
1/4/2024 08:04:00	14.3	13.7	-0.6	0.02	0.00	-0.02	0.6	ESE
1/4/2024 08:05:00	14.1	13.3	-0.8	0.02	0.01	-0.01	0.7	WSW
1/4/2024 08:06:00	14.4	13.5	-0.9	0.03	0.01	-0.02	0.6	E
1/4/2024 08:07:00	14.4	14.8	0.4	0.03	0.01	-0.02	0.7	E
1/4/2024 08:08:00	16.5	15.0	-1.5	0.03	0.01	-0.02	0.7	NW
1/4/2024 08:09:00	16.6	15.4	-1.2	0.03	0.01	-0.01	0.7	ESE
1/4/2024 08:10:00	16.8	15.6	-1.2	0.03	0.01	-0.01	0.7	W
1/4/2024 08:11:00	16.8	15.6	-1.2	0.03	0.01	-0.02	0.7	NW
1/4/2024 08:12:00	16.8	15.5	-1.3	0.03	0.01	-0.01	0.7	W
1/4/2024 08:13:00	16.4	15.3	-1.2	0.02	0.01	-0.01	0.7	ESE
1/4/2024 08:14:00	16.1	15.1	-1.0	0.02	0.01	0.00	0.7	N
1/4/2024 08:15:00	15.6	15.1	-0.5	0.01	0.01	0.00	0.8	ESE
1/4/2024 08:16:00	15.4	15.1	-0.3	0.01	0.02	0.01	0.8	ENE
1/4/2024 08:17:00	15.3	14.9	-0.4	0.01	0.02	0.01	0.8	N
1/4/2024 08:18:00	14.9	14.6	-0.2	0.01	0.02	0.01	0.8	E
1/4/2024 08:19:00	14.5	13.7	-0.8	0.01	0.02	0.01	0.8	ESE
1/4/2024 08:20:00	14.3	13.5	-0.8	0.01	0.01	0.00	0.8	WSW
1/4/2024 08:21:00	14.0	13.1	-0.8	0.00	0.01	0.01	0.8	E
1/4/2024 08:22:00	13.8	11.8	-2.0	0.00	0.01	0.01	0.8	ENE
1/4/2024 08:23:00	11.4	11.6	0.1	0.00	0.01	0.01	0.8	ENE
1/4/2024 08:24:00	11.3	11.1	-0.1	0.00	0.01	0.01	0.8	E
1/4/2024 08:25:00	11.2	10.9	-0.3	0.00	0.01	0.01	0.7	ESE
1/4/2024 08:26:00	11.5	10.9	-0.6	0.00	0.01	0.01	0.7	ESE
1/4/2024 08:27:00	11.6	10.9	-0.7	0.00	0.01	0.01	0.7	NE
1/4/2024 08:28:00	13.0	10.9	-2.1	0.00	0.01	0.01	0.7	ESE
1/4/2024 08:29:00	14.6	11.0	-3.6	0.00	0.01	0.01	0.7	NNE
1/4/2024 08:30:00	14.9	11.0	-3.8	0.00	0.01	0.01	0.7	E
1/4/2024 08:31:00	15.1	11.1	-4.0	0.00	0.01	0.01	0.6	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
1/4/2024 08:32:00	15.2	11.0	-4.2	0.00	0.01	0.01	0.6	E
1/4/2024 08:33:00	15.3	11.0	-4.3	0.00	0.01	0.01	0.7	ENE
1/4/2024 08:34:00	15.3	11.0	-4.4	0.00	0.01	0.01	0.7	SE
1/4/2024 08:35:00	16.0	10.9	-5.1	0.00	0.01	0.01	0.7	ESE
1/4/2024 09:49:00	11.9	17.8	5.8				0.1	SSE
1/4/2024 09:50:00	17.2	14.6	-2.6	0.00	0.02	0.02	0.3	E
1/4/2024 09:51:00	15.2	22.4	7.3	0.01	0.01	0.00	0.4	WNW
1/4/2024 09:52:00	16.7	19.9	3.2	0.01	0.01	0.01	0.5	SE
1/4/2024 09:53:00	17.9	18.4	0.6	0.01	0.01	0.01	0.5	E
1/4/2024 09:54:00	17.5	17.3	-0.3	0.00	0.01	0.01	0.5	NE
1/4/2024 09:55:00	16.7	16.7	0.1	0.01	0.01	0.01	0.6	W
1/4/2024 09:56:00	16.3	16.2	-0.1	0.00	0.01	0.01	0.6	NE
1/4/2024 09:57:00	16.0	15.7	-0.2	0.01	0.01	0.01	0.6	W
1/4/2024 09:58:00	15.8	15.3	-0.5	0.00	0.01	0.01	0.6	ENE
1/4/2024 09:59:00	15.5	15.9	0.4	0.01	0.01	0.00	0.6	WSW
1/4/2024 10:00:00	15.4	16.3	0.9	0.01	0.01	0.00	0.6	W
1/4/2024 10:01:00	15.6	16.2	0.6	0.01	0.01	0.00	0.8	W
1/4/2024 10:02:00	16.4	15.9	-0.5	0.01	0.01	0.00	0.8	WNW
1/4/2024 10:03:00	17.1	15.7	-1.4	0.01	0.01	0.00	0.8	NW
1/4/2024 10:04:00	20.8	15.3	-5.4	0.01	0.01	0.00	0.8	W
1/4/2024 10:05:00	20.0	16.1	-4.0	0.01	0.01	0.00	0.8	NNE
1/4/2024 10:06:00	20.2	14.3	-5.9	0.01	0.01	0.00	0.8	W
1/4/2024 10:07:00	19.6	14.3	-5.2	0.01	0.00	0.00	0.8	ESE
1/4/2024 10:08:00	20.2	14.2	-6.0	0.01	0.00	-0.01	0.8	WNW
1/4/2024 10:09:00	19.9	14.8	-5.2	0.01	0.00	-0.01	0.8	ENE
1/4/2024 10:10:00	19.9	14.7	-5.2	0.01	0.00	0.00	0.7	E
1/4/2024 10:11:00	19.8	14.7	-5.0	0.01	0.01	0.00	0.7	ENE
1/4/2024 10:12:00	19.6	14.7	-4.9	0.01	0.01	0.00	0.8	ESE
1/4/2024 10:13:00	19.4	14.6	-4.8	0.01	0.01	0.00	0.7	ESE
1/4/2024 10:14:00	19.2	14.0	-5.2	0.01	0.01	0.00	0.8	WSW
1/4/2024 10:15:00	19.0	13.3	-5.7	0.00	0.01	0.00	0.7	NE
1/4/2024 10:16:00	18.6	13.1	-5.5	0.00	0.01	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
1/4/2024 10:17:00	17.5	12.9	-4.5	0.00	0.01	0.01	0.6	N
1/4/2024 10:18:00	16.4	12.8	-3.6	0.00	0.01	0.01	0.6	E
1/4/2024 10:19:00	12.9	12.7	-0.2	0.00	0.01	0.01	0.7	ESE
1/4/2024 10:20:00	13.6	11.8	-1.8	0.00	0.01	0.01	0.7	ESE
1/4/2024 10:21:00	13.5	11.7	-1.8	0.00	0.01	0.01	0.7	NE
1/4/2024 10:22:00	13.4	11.5	-1.9	0.00	0.01	0.01	0.7	ENE
1/4/2024 10:23:00	12.1	11.4	-0.7	0.00	0.01	0.01	0.7	E
1/4/2024 10:24:00	12.1	10.8	-1.2	0.00	0.01	0.01	0.8	WNW
1/4/2024 10:25:00	12.0	11.3	-0.7	0.00	0.01	0.01	0.8	NNW
1/4/2024 10:26:00	11.9	14.4	2.4	0.00	0.01	0.01	0.8	E
1/4/2024 10:27:00	13.5	14.4	0.9	0.00	0.01	0.01	0.8	SSW
1/4/2024 10:28:00	13.4	14.5	1.1	0.00	0.01	0.01	0.8	ESE
1/4/2024 10:29:00	13.5	14.3	0.9	0.00	0.01	0.01	0.8	ESE
1/4/2024 10:30:00	13.5	14.4	1.0	0.00	0.01	0.01	0.8	W
1/4/2024 10:31:00	13.5	15.8	2.4	0.00	0.01	0.01	0.8	NNE
1/4/2024 10:32:00	13.4	16.3	2.9	0.00	0.01	0.01	0.8	E
1/4/2024 10:33:00	13.3	16.4	3.1	0.00	0.01	0.01	0.8	ENE
1/4/2024 10:34:00	13.0	16.6	3.5	0.00	0.01	0.01	0.8	ESE
1/4/2024 10:35:00	12.3	16.5	4.3	0.00	0.00	0.00	0.8	SSW
1/4/2024 10:36:00	12.2	16.5	4.3	0.00	0.00	0.00	0.8	W
1/4/2024 10:37:00	12.1	16.4	4.3	0.00	0.00	0.00	0.8	WNW
1/4/2024 10:38:00	11.9	16.5	4.5	0.00	0.00	0.00	0.7	SE
1/4/2024 10:39:00	12.0	16.4	4.4	0.00	0.00	0.00	0.7	W
1/4/2024 10:40:00	11.9	15.9	4.0	0.00	0.00	0.00	0.7	ESE
1/4/2024 10:41:00	12.0	12.6	0.6	0.00	0.00	0.00	0.7	NW
1/4/2024 10:42:00	10.4	12.4	2.0	0.00	0.00	0.00	0.7	WNW
1/4/2024 10:43:00	10.4	12.2	1.8	0.00	0.00	0.00	0.8	WNW
1/4/2024 10:44:00	10.3	12.1	1.8	0.00	0.00	0.00	0.7	S
1/4/2024 10:45:00	10.2	11.9	1.8	0.00	0.00	0.00	0.7	W
1/4/2024 10:46:00	10.0	10.4	0.3	0.00	0.00	0.00	0.8	WNW
1/4/2024 10:47:00	10.0	9.8	-0.2	0.00	0.00	0.00	0.8	NW
1/4/2024 10:48:00	10.0	9.6	-0.4	0.01	0.00	0.00	0.8	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
1/4/2024 10:49:00	10.1	9.5	-0.5	0.01	0.00	0.00	0.7	ENE
1/4/2024 10:50:00	10.0	9.7	-0.3	0.00	0.00	0.00	0.7	ESE
1/4/2024 10:51:00	10.0	9.8	-0.3	0.00	0.00	0.00	0.7	SSE
1/4/2024 10:52:00	10.0	10.0	0.0	0.00	0.00	0.00	0.8	E
1/4/2024 10:53:00	10.1	10.1	-0.1	0.00	0.00	0.00	0.8	ESE
1/4/2024 10:54:00	10.0	10.1	0.1	0.00	0.00	0.00	0.8	NE
1/4/2024 10:55:00	10.0	10.1	0.1	0.00	0.00	0.00	0.8	NW
1/4/2024 10:56:00	10.1	10.2	0.1	0.00	0.00	0.00	0.8	SE
1/4/2024 10:57:00	10.3	10.4	0.1	0.00	0.00	0.00	0.8	SE
1/4/2024 10:58:00	10.2	10.6	0.4	0.00	0.00	0.00	0.8	ENE
1/4/2024 10:59:00	10.3	10.7	0.4	0.00	0.01	0.00	0.8	NE
1/4/2024 11:00:00	10.4	11.2	0.8	0.00	0.01	0.01	0.8	NE
1/4/2024 11:01:00				0.00	0.01	0.01	0.8	N
1/4/2024 11:02:00				0.00	0.01	0.01	0.8	W
1/4/2024 11:03:00				0.00	0.01	0.01	0.8	ENE
1/4/2024 11:04:00	7.0	10.9	4.0	0.00	0.01	0.01	0.9	W
1/4/2024 11:05:00	10.3	9.2	-1.1	0.00	0.01	0.01	0.9	NE
1/4/2024 11:06:00	10.5	8.9	-1.6	0.00	0.01	0.01	0.9	ESE
1/4/2024 11:07:00	10.7	8.7	-1.9	0.00	0.01	0.01	0.9	NNE
1/4/2024 11:08:00	10.7	9.8	-0.9	0.00	0.01	0.01	0.9	NNW
1/4/2024 11:09:00	10.8	10.0	-0.8	0.00	0.01	0.01	0.9	W
1/4/2024 11:10:00	11.1	11.8	0.7	0.00	0.01	0.01	0.9	NNE
1/4/2024 11:11:00	11.1	11.7	0.6	0.00	0.01	0.00	0.9	N
1/4/2024 11:12:00	11.2	11.7	0.5	0.00	0.01	0.01	0.9	NW
1/4/2024 11:13:00	11.2	12.5	1.3	0.00	0.01	0.00	0.9	NNW
1/4/2024 11:14:00	11.2	12.4	1.1	0.00	0.00	0.00	1.0	WSW
1/4/2024 11:15:00	11.2	12.1	0.9	0.00	0.00	0.00	1.0	SE
1/4/2024 11:16:00	11.1	12.3	1.2	0.00	0.00	0.00	0.9	ESE
1/4/2024 11:17:00	11.1	12.2	1.1	0.00	0.00	0.00	0.9	ESE
1/4/2024 11:18:00	10.9	12.1	1.3	0.00	0.00	0.00	0.9	S
1/4/2024 11:19:00	11.2	12.1	0.9	0.00	0.00	0.00	0.9	WNW
1/4/2024 11:20:00	11.0	12.9	1.9	0.00	0.00	0.00	0.9	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
1/4/2024 11:21:00	11.5	13.4	1.9	0.00	0.00	0.00	0.9	ENE
1/4/2024 11:22:00	12.6	13.7	1.1	0.00	0.00	0.00	0.9	WNW
1/4/2024 11:23:00	12.9	13.6	0.6	0.01	0.00	0.00	0.9	W
1/4/2024 11:24:00	13.2	13.7	0.5	0.01	0.00	0.00	0.9	W
1/4/2024 11:25:00	14.6	12.8	-1.8	0.01	0.00	-0.01	1.0	WNW
1/4/2024 11:26:00	16.1	12.9	-3.2	0.01	0.00	-0.01	1.1	W
1/4/2024 11:27:00	16.2	13.1	-3.1	0.01	0.00	-0.01	1.1	WNW
1/4/2024 11:28:00	16.4	12.5	-4.0	0.02	0.00	-0.01	1.1	WNW
1/4/2024 11:29:00	16.2	12.3	-3.9	0.02	0.00	-0.01	1.1	WNW
1/4/2024 11:30:00	16.1	12.3	-3.8	0.02	0.01	-0.01	1.1	E
1/4/2024 11:31:00	15.9	12.1	-3.8	0.02	0.01	-0.01	1.0	E
1/4/2024 11:32:00	15.8	12.2	-3.6	0.02	0.01	-0.01	1.0	ENE
1/4/2024 11:33:00	16.7	17.7	1.0	0.02	0.01	-0.01	1.1	E
1/4/2024 11:34:00	17.4	20.4	3.1	0.01	0.01	-0.01	1.1	E
1/4/2024 11:35:00	17.3	20.1	2.9	0.01	0.01	-0.01	1.1	NW
1/4/2024 11:36:00	16.5	20.1	3.5	0.02	0.00	-0.01	1.1	WNW
1/4/2024 11:37:00	15.3	20.7	5.4	0.02	0.00	-0.01	1.1	WSW
1/4/2024 11:38:00	14.9	20.9	6.0	0.02	0.00	-0.01	1.1	WNW
1/4/2024 11:39:00	14.4	20.6	6.2	0.02	0.00	-0.01	1.0	WNW
1/4/2024 11:40:00	12.7	20.5	7.8	0.01	0.00	-0.01	1.0	W
1/4/2024 11:41:00	11.3	20.2	8.9	0.01	0.00	-0.01	1.0	WNW
1/4/2024 11:42:00	10.9	19.8	8.9	0.01	0.00	-0.01	1.0	W
1/4/2024 11:43:00	10.5	19.6	9.1	0.01	0.00	-0.01	1.0	S
1/4/2024 11:44:00	10.5	19.6	9.1	0.01	0.00	0.00	1.1	E
1/4/2024 11:45:00	10.2	19.6	9.4	0.01	0.00	0.00	1.1	SSW
1/4/2024 11:46:00	10.3	19.1	8.9	0.01	0.00	0.00	1.1	SE
1/4/2024 11:47:00	10.1	18.9	8.7	0.01	0.00	-0.01	1.2	SW
1/4/2024 11:48:00	8.9	13.2	4.2	0.01	0.00	-0.01	1.2	WNW
1/4/2024 11:49:00	7.9	10.3	2.4	0.01	0.00	-0.01	1.2	W
1/4/2024 11:50:00	7.7	9.6	1.9	0.01	0.00	-0.01	1.2	NNE
1/4/2024 11:51:00	7.6	9.0	1.5	0.01	0.00	-0.01	1.2	WNW
1/4/2024 11:52:00	7.4	7.8	0.4	0.01	0.00	-0.01	1.2	NNW

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
1/4/2024 11:53:00	7.0	7.3	0.3	0.01	0.00	0.00	1.2	WSW
1/4/2024 11:54:00	6.9	6.9	-0.1	0.01	0.00	0.00	1.2	ESE
1/4/2024 11:55:00	6.8	6.5	-0.3	0.00	0.00	0.00	1.2	E
1/4/2024 11:56:00	6.5	6.2	-0.3	0.00	0.00	0.00	1.2	E
1/4/2024 11:57:00	6.5	5.8	-0.7	0.00	0.00	0.00	1.2	ESE
1/4/2024 11:58:00	6.3	5.5	-0.9	0.00	0.00	0.00	1.2	ESE
1/4/2024 11:59:00	6.2	5.1	-1.2	0.00	0.00	0.00	1.1	E
1/4/2024 12:00:00	6.4	4.6	-1.8	0.00	0.00	0.00	1.1	ESE
1/4/2024 12:01:00	5.9	4.7	-1.2	0.00	0.00	0.00	1.1	WNW
1/4/2024 12:02:00	5.8	4.3	-1.5	0.00	0.00	0.00	1.1	ENE
1/4/2024 12:03:00	5.9	3.9	-2.0	0.00	0.00	0.00	1.1	ESE
1/4/2024 12:04:00	5.9	3.5	-2.4	0.00	0.00	0.00	1.1	ENE
1/4/2024 12:05:00	5.5	3.5	-2.0	0.00	0.00	0.00	1.1	W
1/4/2024 12:06:00	5.6	3.2	-2.4	0.00	0.00	0.00	1.2	NNE
1/4/2024 12:07:00	5.2	3.4	-1.8	0.00	0.00	0.00	1.3	W
1/4/2024 12:08:00	5.4	3.1	-2.4	0.00	0.00	0.00	1.3	ENE
1/4/2024 12:09:00	5.1	3.4	-1.7	0.00	0.00	0.00	1.3	SSW
1/4/2024 12:10:00	5.0	3.3	-1.7	0.00	0.00	0.00	1.3	E
1/4/2024 12:11:00	5.0	3.3	-1.8	0.00	0.00	0.00	1.3	E
1/4/2024 12:12:00	5.0	3.2	-1.7	0.00	0.00	0.00	1.3	E
1/4/2024 12:13:00	4.6	3.4	-1.2	0.00	0.00	0.00	1.3	W
1/4/2024 12:14:00	4.6	3.4	-1.3	0.00	0.00	0.00	1.3	E
1/4/2024 12:15:00	4.5	3.3	-1.3	0.00	0.00	0.00	1.3	NNW
1/4/2024 12:16:00	4.8	3.0	-1.8	0.00	0.00	0.00	1.3	E
1/4/2024 12:17:00	4.7	2.9	-1.9	0.00	0.00	0.00	1.4	ESE
1/4/2024 12:18:00	4.6	2.8	-1.9	0.00	0.00	0.00	1.4	E
1/4/2024 12:19:00	4.5	2.6	-1.9	0.00	0.00	0.00	1.3	E
1/4/2024 12:20:00	4.7	2.3	-2.4	0.00	0.00	0.00	1.3	E
1/4/2024 12:21:00	4.4	2.5	-1.9	0.00	0.00	0.00	1.3	W
1/4/2024 12:22:00	4.4	2.4	-2.0	0.00	0.00	0.00	1.3	W
1/4/2024 12:23:00	4.0	2.6	-1.4	0.00	0.00	0.00	1.3	SW
1/4/2024 12:24:00	4.0	2.4	-1.6	0.00	0.00	0.00	1.3	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
1/4/2024 12:25:00	3.6	2.6	-1.0	0.00	0.00	0.00	1.2	NW
1/4/2024 12:26:00	3.5	2.6	-0.9	0.00	0.00	0.00	1.2	NE
1/4/2024 12:27:00	3.5	2.5	-1.0	0.00	0.00	0.00	1.2	NE
1/4/2024 12:28:00	3.4	2.5	-0.9	0.00	0.00	0.00	1.2	WNW
1/4/2024 12:29:00	3.3	2.4	-0.9	0.00	0.00	0.00	1.1	NE
1/4/2024 12:30:00	3.2	2.4	-0.8	0.00	0.00	0.00	1.2	ESE
1/4/2024 12:31:00	3.1	2.4	-0.7	0.00	0.00	0.00	1.2	E
1/4/2024 12:32:00	2.9	2.7	-0.3	0.00	0.00	0.00	1.1	W
1/4/2024 12:33:00	2.9	2.9	-0.1	0.00	0.00	0.00	1.1	N
1/4/2024 12:34:00	2.9	3.1	0.2	0.00	0.00	0.00	1.2	NNW
1/4/2024 12:35:00	2.7	3.3	0.7	0.00	0.00	0.00	1.2	WNW
1/4/2024 12:36:00	2.9	3.0	0.1	0.00	0.00	0.00	1.1	NNE
1/4/2024 12:37:00	2.9	3.3	0.4	0.00	0.00	0.00	1.2	W
1/4/2024 12:38:00	8.7	3.4	-5.3	0.00	0.00	0.00	1.2	W
1/4/2024 12:39:00	8.9	32.5	23.6	0.00	0.00	0.00	1.2	E
1/4/2024 12:40:00	9.1	42.9	33.8	0.00	0.00	0.00	1.3	E
1/4/2024 12:41:00	9.1	46.0	36.9	0.00	0.00	0.00	1.4	NE
1/4/2024 12:42:00	9.1	49.6	40.5	0.00	0.00	0.00	1.3	E
1/4/2024 12:43:00	9.4	50.1	40.7	0.00	0.00	0.00	1.3	ENE
1/4/2024 12:44:00	9.5	50.6	41.1	0.00	0.00	0.00	1.3	E
1/4/2024 12:45:00	9.5	50.9	41.4	0.00	0.00	0.00	1.3	SSE
1/4/2024 12:46:00	9.4	51.1	41.7	0.00	0.00	0.00	1.4	W
1/4/2024 12:47:00	9.7	51.0	41.4	0.00	0.00	0.00	1.4	NE
1/4/2024 12:48:00	9.7	51.2	41.5	0.00	0.00	0.00	1.4	WNW
1/4/2024 12:49:00	9.6	51.3	41.7	0.00	0.00	0.00	1.4	W
1/4/2024 12:50:00	10.0	51.2	41.2	0.00	0.00	0.00	1.5	ENE
1/4/2024 12:51:00	10.1	51.4	41.3	0.00	0.00	0.00	1.6	E
1/4/2024 12:52:00	10.3	51.2	40.9	0.00	0.00	0.00	1.6	W
1/4/2024 12:53:00	4.8	51.1	46.3	0.00	0.00	0.00	1.5	ENE
1/4/2024 12:54:00	4.9	21.9	16.9	0.00	0.00	0.00	1.6	E
1/4/2024 12:55:00	4.7	11.4	6.7	0.00	0.00	0.00	1.6	SW
1/4/2024 12:56:00	4.5	8.2	3.6	0.00	0.00	0.00	1.5	N

Date/Time	Average Upwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Downwind PM10 ($\mu\text{g}/\text{m}^3$)	Average Contribution PM10 ($\mu\text{g}/\text{m}^3$)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
1/4/2024 12:57:00	4.5	4.6	0.1	0.00	0.00	0.00	1.5	ENE
1/4/2024 12:58:00	4.5	4.2	-0.2	0.00	0.00	0.00	1.5	NNE
1/4/2024 12:59:00	4.3	4.9	0.6	0.00	0.00	0.00	1.5	ESE
1/4/2024 13:00:00	4.5	4.9	0.4	0.00	0.01	0.01	1.4	ENE
1/4/2024 13:01:00	4.6	4.7	0.1	0.00	0.01	0.01	1.4	E
1/4/2024 13:02:00	4.5	4.8	0.3	0.00	0.01	0.01	1.5	ESE
1/4/2024 13:03:00	4.5	4.8	0.3	0.00	0.01	0.01	1.4	E
1/4/2024 13:04:00	4.5	4.5	-0.1	0.00	0.01	0.01	1.4	E
1/4/2024 13:05:00	4.3	4.3	0.0	0.00	0.01	0.01	1.3	ENE
1/4/2024 13:06:00	4.2	4.3	0.0	0.00	0.01	0.01	1.3	SE
1/4/2024 13:07:00	4.3	4.1	-0.2	0.00	0.01	0.01	1.2	ESE
1/4/2024 13:08:00	4.1	3.7	-0.4	0.00	0.01	0.01	1.2	E
1/4/2024 13:09:00	4.3	3.7	-0.6	0.00	0.01	0.01	1.2	ESE
1/4/2024 13:10:00	4.7	3.7	-1.0	0.00	0.01	0.01	1.2	ENE
1/4/2024 13:11:00	4.8	4.0	-0.8	0.00	0.01	0.01	1.2	ESE
1/4/2024 13:12:00	4.9	4.3	-0.6	0.00	0.01	0.01	1.2	ENE
1/4/2024 13:13:00	4.8	4.3	-0.6	0.00	0.01	0.01	1.2	ENE
1/4/2024 13:14:00	4.8	3.0	-1.8	0.00	0.01	0.01	1.3	E
1/4/2024 13:15:00	4.7	2.7	-1.9	0.00	0.01	0.01	1.3	E
1/4/2024 13:16:00	4.5	2.8	-1.7	0.00	0.00	0.00	1.3	SE
1/4/2024 13:17:00	4.4	2.8	-1.7	0.00	0.00	0.00	1.3	ENE
1/4/2024 13:18:00	4.4	2.5	-1.9	0.00	0.00	0.00	1.3	E
1/4/2024 13:19:00	4.5	2.6	-1.9	0.00	0.00	0.00	1.3	ENE
1/4/2024 13:20:00	11.1	3.0	-8.1	0.00	0.00	0.00	1.3	WNW
1/4/2024 13:21:00	11.1	4.1	-7.0	0.00	0.00	0.00	1.2	E
1/4/2024 13:22:00	11.0	5.5	-5.5	0.00	0.00	0.00	1.2	NNE
1/4/2024 13:23:00	11.0	6.0	-5.0	0.00	0.00	0.00	1.2	NE
1/4/2024 13:24:00	10.7	6.1	-4.6	0.00	0.00	0.00	1.2	ESE
1/4/2024 13:25:00	10.4	5.8	-4.6	0.00	0.01	0.01	1.2	ENE
1/4/2024 13:26:00	10.2	6.0	-4.2	0.00	0.01	0.01	1.2	ESE
1/4/2024 13:27:00	10.1	6.1	-4.0	0.00	0.01	0.01	1.2	ESE
1/4/2024 13:28:00	10.1	5.9	-4.2	0.00	0.01	0.01	1.2	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
1/4/2024 13:29:00	10.1	6.1	-4.0	0.00	0.01	0.01	1.1	E
1/4/2024 13:30:00	10.1	7.0	-3.2	0.00	0.01	0.01	1.1	ESE
1/4/2024 13:31:00	10.3	7.5	-2.8	0.00	0.00	0.00	1.2	ESE
1/4/2024 13:32:00	10.5	7.5	-3.0	0.00	0.00	0.00	1.1	W
1/4/2024 13:33:00	10.5	7.8	-2.8	0.00	0.00	0.00	1.1	W
1/4/2024 13:34:00	10.6	7.9	-2.7	0.00	0.00	0.00	1.2	ENE
1/4/2024 13:35:00	4.0	7.8	3.8	0.00	0.00	0.00	1.2	NW
1/4/2024 13:36:00	3.9	6.7	2.8	0.00	0.00	0.00	1.2	NW
1/4/2024 13:37:00	3.8	5.3	1.5	0.00	0.00	0.00	1.2	SE
1/4/2024 13:38:00	3.8	4.9	1.1	0.00	0.00	0.00	1.2	ENE
1/4/2024 13:39:00	3.7	4.9	1.2	0.00	0.00	0.00	1.3	W
1/4/2024 13:40:00	3.8	4.8	1.1	0.00	0.00	0.00	1.3	NW
1/4/2024 13:41:00	3.6	4.6	1.1	0.00	0.00	0.00	1.3	W
1/4/2024 13:42:00	4.5	4.7	0.2	0.00	0.00	0.00	1.3	W
1/4/2024 13:43:00	4.6	6.2	1.5	0.00	0.00	0.00	1.3	NNW
1/4/2024 13:44:00	4.7	8.4	3.7	0.00	0.00	0.00	1.4	E
1/4/2024 13:45:00				0.00	0.00	0.00	1.4	WSW
1/4/2024 13:46:00				0.00	0.00	0.00	1.4	E
1/4/2024 13:47:00	0.7	3.2	2.5	0.00	0.00	0.00	1.4	WNW
1/4/2024 13:48:00	1.8	1.6	-0.2	0.00	0.00	0.00	1.4	NE
1/4/2024 13:49:00	1.2	2.2	1.0	0.00	0.00	0.00	1.5	WNW
1/4/2024 13:50:00	0.9	2.2	1.3	0.00	0.00	0.00	1.5	NW
1/4/2024 13:51:00	0.7	2.4	1.6	0.00	0.00	0.00	1.5	NW
1/4/2024 13:52:00	1.0	2.0	1.0	0.00	0.00	0.00	1.4	E
1/4/2024 13:53:00	0.8	1.9	1.1	0.00	0.00	0.00	1.5	W
1/4/2024 13:54:00	1.0	1.7	0.7	0.00	0.00	0.00	1.4	ESE
1/4/2024 13:55:00	1.0	1.5	0.5	0.00	0.00	0.00	1.4	E
1/4/2024 13:56:00	1.1	1.4	0.3	0.00	0.00	0.00	1.4	ESE
1/4/2024 13:57:00	1.1	1.3	0.1	0.00	0.00	0.00	1.3	SE
1/4/2024 13:58:00	1.1	1.4	0.3	0.00	0.00	0.00	1.3	SSW
1/4/2024 13:59:00	1.1	1.5	0.4	0.00	0.00	0.00	1.3	W
1/4/2024 14:00:00	1.2	1.5	0.4	0.00	0.00	0.00	1.3	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
1/4/2024 14:01:00	1.1	1.6	0.5	0.00	0.00	0.00	1.3	WNW
1/4/2024 14:02:00	1.2	1.4	0.1	0.00	0.00	0.00	1.3	NNE
1/4/2024 14:03:00	1.1	1.5	0.5	0.00	0.00	0.00	1.2	SW
1/4/2024 14:04:00	1.4	1.3	-0.1	0.00	0.00	0.00	1.2	ENE
1/4/2024 14:05:00	1.5	1.1	-0.4	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:06:00	1.7	1.1	-0.6	0.00	0.00	0.00	1.2	ENE
1/4/2024 14:07:00	1.7	1.3	-0.4	0.00	0.00	0.00	1.2	ENE
1/4/2024 14:08:00	1.9	1.1	-0.7	0.00	0.00	0.00	1.2	E
1/4/2024 14:09:00	1.9	1.3	-0.7	0.00	0.00	0.00	1.2	ENE
1/4/2024 14:10:00	2.0	1.5	-0.5	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:11:00	2.2	1.8	-0.4	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:12:00	2.4	2.3	-0.1	0.00	0.00	0.00	1.2	E
1/4/2024 14:13:00	2.7	2.4	-0.3	0.00	0.00	0.00	1.2	E
1/4/2024 14:14:00	3.0	2.6	-0.3	0.00	0.00	0.00	1.1	ESE
1/4/2024 14:15:00	2.9	2.7	-0.2	0.00	0.00	0.00	1.2	WSW
1/4/2024 14:16:00	2.9	2.8	-0.1	0.00	0.00	0.00	1.2	W
1/4/2024 14:17:00	2.9	2.8	-0.1	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:18:00	3.0	3.0	0.0	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:19:00	2.8	3.0	0.2	0.00	0.00	0.00	1.2	ESE
1/4/2024 14:20:00	2.8	3.0	0.2	0.00	0.00	0.00	1.1	ESE
1/4/2024 14:21:00	2.9	2.8	0.0	0.00	0.00	0.00	1.2	E
1/4/2024 14:22:00	3.0	3.1	0.2	0.00	0.00	0.00	1.1	ENE
1/4/2024 14:23:00	3.1	3.6	0.6	0.00	0.01	0.00	1.2	SE
1/4/2024 14:24:00	3.2	4.0	0.9	0.00	0.01	0.00	1.2	ESE
1/4/2024 14:25:00	3.4	4.4	1.0	0.00	0.01	0.01	1.2	ESE
1/4/2024 14:26:00	3.5	4.7	1.2	0.00	0.01	0.01	1.2	NNE
1/4/2024 14:27:00	4.1	4.3	0.2	0.00	0.01	0.01	1.2	WNW
1/4/2024 14:28:00	4.5	4.2	-0.3	0.00	0.01	0.00	1.2	WNW
1/4/2024 14:29:00	5.1	4.2	-0.9	0.00	0.01	0.00	1.3	ESE
1/4/2024 14:30:00	5.2	5.0	-0.2	0.00	0.01	0.00	1.3	NNW
1/4/2024 14:31:00	5.3	6.0	0.7	0.00	0.01	0.00	1.3	ESE
1/4/2024 14:32:00	5.5	6.2	0.7	0.00	0.01	0.01	1.3	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
1/4/2024 14:33:00	5.7	5.9	0.2	0.00	0.01	0.01	1.4	E
1/4/2024 14:34:00	5.9	6.0	0.1	0.00	0.01	0.01	1.4	ESE
1/4/2024 14:35:00	6.0	6.0	0.0	0.00	0.01	0.00	1.5	E
1/4/2024 14:36:00	6.0	6.2	0.2	0.00	0.00	0.00	1.5	E
1/4/2024 14:37:00	5.9	6.0	0.1	0.00	0.00	0.00	1.5	ESE
1/4/2024 14:38:00	7.0	5.8	-1.2	0.00	0.00	0.00	1.5	WSW
1/4/2024 14:39:00	7.2	5.6	-1.6	0.00	0.00	0.00	1.6	W
1/4/2024 14:40:00	7.3	5.2	-2.1	0.01	0.00	0.00	1.6	W
1/4/2024 14:41:00	7.6	4.9	-2.7	0.01	0.00	-0.01	1.6	WNW
1/4/2024 14:42:00	7.1	5.8	-1.3	0.01	0.00	0.00	1.6	NE
1/4/2024 14:43:00	6.8	6.7	-0.1	0.01	0.00	0.00	1.5	ENE
1/4/2024 14:44:00	6.0	8.3	2.3	0.01	0.00	0.00	1.5	NE
1/4/2024 14:45:00	7.8	7.5	-0.3	0.01	0.00	0.00	1.5	WNW
1/4/2024 14:46:00	9.0	6.5	-2.5	0.01	0.00	0.00	1.4	W
1/4/2024 14:47:00	9.1	6.7	-2.4	0.01	0.00	0.00	1.4	NNW
1/4/2024 14:48:00	9.4	6.8	-2.6	0.01	0.00	0.00	1.3	E
1/4/2024 14:49:00	9.4	6.9	-2.5	0.01	0.00	0.00	1.3	SE
1/4/2024 14:50:00	9.5	7.0	-2.5	0.01	0.00	0.00	1.3	N
1/4/2024 14:51:00	9.5	6.9	-2.5	0.01	0.00	0.00	1.3	ESE
1/4/2024 14:52:00	9.5	6.8	-2.7	0.01	0.00	0.00	1.3	ESE
1/4/2024 14:53:00	8.7	6.9	-1.8	0.00	0.00	0.00	1.3	SSW
1/4/2024 14:54:00	9.3	7.0	-2.3	0.00	0.00	0.00	1.3	WNW
1/4/2024 14:55:00	9.6	7.0	-2.6	0.00	0.00	0.00	1.3	WNW
1/4/2024 14:56:00	9.1	7.1	-1.9	0.00	0.00	0.00	1.3	NNW
1/4/2024 14:57:00	8.8	6.2	-2.6	0.00	0.00	0.00	1.3	E
1/4/2024 14:58:00	8.7	5.4	-3.3	0.00	0.00	0.00	1.3	ESE
1/4/2024 14:59:00	8.7	3.9	-4.8	0.00	0.00	0.00	1.4	ENE
1/4/2024 15:00:00				0.00	0.00	0.00	1.5	WSW
1/4/2024 15:01:00				0.01	0.00	0.00	1.5	NW
1/4/2024 15:02:00	2.8	1.7	-1.1	0.01	0.01	0.00	1.6	E
1/4/2024 15:03:00	2.9	2.0	-0.9	0.01	0.01	0.00	1.6	W
1/4/2024 15:04:00	3.2	2.8	-0.5	0.01	0.01	0.00	1.6	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
1/4/2024 15:05:00	3.4	5.5	2.1	0.01	0.00	0.00	1.6	NE
1/4/2024 15:06:00	3.8	5.0	1.2	0.01	0.00	0.00	1.6	NW
1/4/2024 15:07:00	3.5	5.1	1.7	0.01	0.01	0.00	1.6	ESE
1/4/2024 15:08:00	6.3	4.6	-1.7	0.01	0.01	0.00	1.6	NW
1/4/2024 15:09:00	5.9	4.2	-1.7	0.01	0.01	0.00	1.5	NW
1/4/2024 15:10:00	5.5	3.9	-1.5	0.01	0.01	0.00	1.5	W
1/4/2024 15:11:00	5.1	3.7	-1.4	0.01	0.01	0.00	1.5	NNW
1/4/2024 15:12:00	4.8	3.6	-1.2	0.01	0.00	0.00	1.5	WNW
1/4/2024 15:13:00	4.5	3.5	-1.1	0.01	0.00	0.00	1.6	W
1/4/2024 15:14:00	4.4	3.4	-0.9	0.01	0.00	0.00	1.5	WNW
1/4/2024 15:15:00	4.3	3.4	-0.9	0.00	0.00	0.00	1.5	NW
1/4/2024 15:16:00	4.1	3.5	-0.7	0.00	0.00	0.00	1.5	NE
1/4/2024 15:17:00	4.0	3.8	-0.2	0.00	0.00	0.00	1.5	E
1/4/2024 15:18:00	3.9	3.7	-0.2	0.00	0.00	0.00	1.4	WSW
1/4/2024 15:19:00	3.8	3.5	-0.3	0.00	0.00	0.00	1.4	WSW
1/4/2024 15:20:00	3.6	2.7	-0.9	0.00	0.00	0.00	1.4	S
1/4/2024 15:21:00	3.3	2.6	-0.7	0.00	0.00	0.00	1.4	WNW
1/4/2024 15:22:00	3.4	2.4	-0.9	0.00	0.00	0.00	1.4	ENE
1/4/2024 15:23:00	2.0	3.2	1.2	0.00	0.00	0.00	1.4	NNW
1/4/2024 15:24:00	1.8	3.2	1.4	0.00	0.00	0.00	1.5	WSW
1/4/2024 15:25:00	1.8	3.2	1.5	0.01	0.00	0.00	1.5	WNW
1/4/2024 15:26:00	1.8	3.2	1.4	0.01	0.00	0.00	1.5	NNW
1/4/2024 15:27:00	1.7	3.2	1.5	0.01	0.00	0.00	1.4	WNW
1/4/2024 15:28:00	1.6	3.1	1.5	0.01	0.00	0.00	1.4	WSW
1/4/2024 15:29:00	1.5	3.0	1.4	0.01	0.00	0.00	1.4	ESE
1/4/2024 15:30:00	1.4	2.9	1.5	0.00	0.00	0.00	1.4	NNW
1/4/2024 15:31:00	1.3	2.6	1.3	0.00	0.00	0.00	1.4	WNW
1/4/2024 15:32:00	1.3	2.2	0.9	0.00	0.00	0.00	1.4	E
1/4/2024 15:33:00	1.3	2.1	0.8	0.00	0.00	0.00	1.4	E
1/4/2024 15:34:00	1.3	2.0	0.8	0.00	0.00	0.00	1.4	ESE
1/4/2024 15:35:00	1.3	2.0	0.7	0.00	0.00	0.00	1.4	WNW
1/4/2024 15:36:00	1.3	2.1	0.8	0.00	0.00	0.00	1.4	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
1/4/2024 15:37:00	1.3	4.4	3.1	0.00	0.00	0.00	1.4	N
1/4/2024 15:38:00	3.9	3.6	-0.2	0.00	0.00	0.00	1.4	NW
1/4/2024 15:39:00	4.3	3.6	-0.7	0.00	0.00	0.00	1.3	W
1/4/2024 15:40:00	4.3	3.5	-0.8	0.00	0.00	0.00	1.4	W
1/4/2024 15:41:00	4.3	3.5	-0.8	0.00	0.00	0.00	1.4	E
1/4/2024 15:42:00	4.4	3.4	-1.0	0.00	0.00	0.00	1.4	NNW
1/4/2024 15:43:00	4.5	5.0	0.5	0.00	0.00	0.00	1.3	ESE
1/4/2024 15:44:00	4.5	8.8	4.3	0.00	0.00	0.00	1.3	E
1/4/2024 15:45:00	4.6	12.7	8.1	0.00	0.00	0.00	1.3	ENE
1/4/2024 15:46:00	4.7	13.5	8.8	0.00	0.00	0.00	1.3	ESE
1/4/2024 15:47:00	4.7	13.7	8.9	0.00	0.00	0.00	1.3	ESE
1/4/2024 15:48:00	4.8	13.9	9.1	0.00	0.00	0.00	1.3	E
1/4/2024 15:49:00	4.9	14.3	9.4	0.00	0.00	0.00	1.3	E
1/4/2024 15:50:00	4.9	14.3	9.4	0.00	0.00	0.00	1.3	NNW
1/4/2024 15:51:00	5.0	14.3	9.3	0.00	0.00	0.00	1.3	W
1/4/2024 15:52:00	5.0	11.9	7.0	0.00	0.00	0.00	1.3	ENE
1/4/2024 15:53:00	2.3	12.0	9.7	0.00	0.00	0.00	1.2	NNE
1/4/2024 15:54:00	2.0	12.0	10.1	0.00	0.00	0.00	1.2	WSW
1/4/2024 15:55:00	2.0	12.1	10.1	0.00	0.00	0.00	1.1	WSW
1/4/2024 15:56:00	1.9	12.3	10.4	0.00	0.00	0.00	1.2	WNW
1/4/2024 15:57:00	1.9	12.3	10.3	0.00	0.00	0.00	1.2	ESE
1/4/2024 15:58:00	1.9	10.8	8.9	0.00	0.00	0.00	1.2	W
1/4/2024 15:59:00	1.9	7.2	5.2	0.00	0.00	0.00	1.2	W
1/4/2024 16:00:00	2.3	15.4	13.1	0.00	0.00	0.00	1.2	ESE
1/4/2024 16:01:00	2.7	16.6	13.9	0.00	0.00	0.00	1.1	NNW
1/4/2024 16:02:00	3.0	16.5	13.6	0.00	0.00	0.00	1.1	NNE
1/4/2024 16:03:00	2.8	16.7	13.8	0.00	0.00	0.00	1.1	W
1/4/2024 16:04:00	3.1	16.6	13.5	0.00	0.00	0.00	1.1	SE
1/4/2024 16:05:00	3.3	17.3	14.0	0.00	0.00	0.00	1.1	E
1/4/2024 16:06:00	3.3	18.1	14.8	0.00	0.00	0.00	1.1	ESE
1/4/2024 16:07:00	3.6	19.0	15.4	0.00	0.00	0.00	1.1	ENE
1/4/2024 16:08:00	4.0	20.0	16.1	0.00	0.00	0.00	1.1	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
1/4/2024 16:09:00	4.2	20.9	16.7	0.00	0.00	0.00	1.2	ESE
1/4/2024 16:10:00	4.5	21.9	17.4	0.00	0.00	0.00	1.1	ESE
1/4/2024 16:11:00	4.8	22.3	17.4	0.00	0.00	0.00	1.1	SE
1/4/2024 16:12:00	4.9	23.1	18.3	0.00	0.00	0.00	1.1	ENE
1/4/2024 16:13:00	4.9	23.4	18.5	0.00	0.01	0.01	1.1	E
1/4/2024 16:14:00	4.9	23.4	18.5	0.00	0.01	0.01	1.1	WNW
1/4/2024 16:15:00	4.4	11.3	6.9	0.00	0.01	0.01	1.1	WNW
1/4/2024 16:16:00	4.3	9.4	5.2	0.00	0.01	0.01	1.2	WNW
1/4/2024 16:17:00	4.0	9.4	5.4	0.00	0.01	0.00	1.2	ENE
1/4/2024 16:18:00	4.0	9.5	5.5	0.00	0.01	0.00	1.2	ENE
1/4/2024 16:19:00	3.7	9.4	5.7	0.00	0.01	0.00	1.2	ESE
1/4/2024 16:20:00	3.4	8.7	5.3	0.00	0.01	0.00	1.2	WNW
1/4/2024 16:21:00	3.3	8.6	5.3	0.00	0.01	0.00	1.2	E
1/4/2024 16:22:00	3.0	8.6	5.6	0.00	0.01	0.00	1.3	E
1/4/2024 16:23:00	2.7	8.0	5.3	0.00	0.00	0.00	1.3	ESE
1/4/2024 16:24:00	2.4	7.1	4.7	0.00	0.00	0.00	1.3	ESE
1/4/2024 16:25:00	2.1	6.1	4.0	0.00	0.00	0.00	1.3	WNW
1/4/2024 16:26:00	1.9	5.7	3.8	0.00	0.00	0.00	1.3	ENE
1/4/2024 16:27:00	1.9	5.2	3.3	0.00	0.00	0.00	1.3	SE
1/4/2024 16:28:00	2.2	4.9	2.7	0.00	0.00	0.00	1.3	W
1/4/2024 16:29:00	2.5	4.9	2.3	0.00	0.00	0.00	1.3	NW
1/4/2024 16:30:00	3.0	4.9	1.8	0.00	0.00	0.00	1.2	SW
1/4/2024 16:31:00	2.9	5.1	2.3	0.00	0.00	0.00	1.2	E
1/4/2024 16:32:00	2.9	5.2	2.4	0.00	0.00	0.00	1.1	NW
1/4/2024 16:33:00	2.9	4.7	1.8	0.00	0.00	0.00	1.1	E
1/4/2024 16:34:00	2.9	4.5	1.6	0.00	0.00	0.00	1.1	ESE
1/4/2024 16:35:00	2.9	4.4	1.4	0.00	0.00	0.00	1.1	E
1/4/2024 16:36:00	3.0	3.7	0.7	0.00	0.00	0.00	1.2	ESE
1/4/2024 16:37:00	9.7	3.0	-6.8	0.00	0.00	0.00	1.1	S
1/4/2024 16:38:00	24.8	2.5	-22.3	0.00	0.00	0.00	1.1	W
1/4/2024 16:39:00	25.1	2.6	-22.5	0.00	0.00	0.00	1.1	W
1/4/2024 16:40:00	31.6	2.6	-29.0	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
1/4/2024 16:41:00	33.0	2.6	-30.4	0.00	0.00	0.00	1.1	WNW
1/4/2024 16:42:00	33.0	2.3	-30.8	0.00	0.00	0.00	1.1	WNW
1/4/2024 16:43:00	32.8	2.2	-30.5	0.00	0.00	0.00	1.1	ESE
1/4/2024 16:44:00	32.4	2.3	-30.1	0.00	0.00	0.00	1.2	WNW