

DAILY FIELD REPORT 152

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	December 26, 2023
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Project Name:	Kasser Scrap Metal and Rector Cleaners Site	Time:	7:00 am to 4:00 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 5-foot-long by 10-foot-wide area around existing caissons from about 15 feet below grade surface (bgs) to about 20 feet bgs in the central part of grid WC02_15-20 for the installation of timber lagging. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban excavated an about 5-foot-long by 5-foot-wide area around existing caissons from about 10 feet bgs to about 16 feet bgs in the central part of grids WC03_10-15 and WC03_15-20 for the installation of timber lagging. Excavated soil/fill was stockpiled in the western part of WC02 pending off-site disposal.
- Urban graded an about 60-foot-long by 35-foot-wide area in the southern part of grids WC02 and WC03 to prepare for equipment mobilization.
- Excavated and graded soil/fill consisted of non-native soil; odors, staining, elevated photoionization detector (PID) readings, or other evidence of a petroleum or chemical release were not observed.
- Urban backfilled previously imported 0.75-inch stone in two about 12-foot-long by 5-foot-wide areas and one about 10-foot-long by 20-foot-wide area in the western and central part of grids WC02_15-20 and WC02_20-25, respectively.
- Urban used an excavator with a jack hammer attachment to remove concrete from existing caissons in the south-central part of waste characterization grid WC03 to prepare for the installation of a mud mat.
- Urban continued installing waterproofing/vapor barrier membranes (GCP Preprufe® 300R and related products) in the western part of the site. Waterproofing/vapor barrier installation observation and documentation is to verify general conformance with specifications and contract documents.

Material Tracking:

- The following soil/fill was exported from the site:
 - 3 loads of soil/fill from waste characterization grids WC02_10-15, WC02_15-20, WC02_20-25, WC03_15-20, WC03_20-25, WC03_25-30, WC06_30-35, and WC06_35-40 were exported for off-site disposal at the Clean Earth of Carteret LLC facility in Carteret, NJ.
- 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	-	3	60	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)
	136	2,720	243	4,860	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:

- Langan collected one post-excavation confirmation endpoint sample (Sample ID EPB06_el_N28) in the central part of the site to be analyzed for VOCs, SVOCs (including 1,4-dioxane via Method 8270-SIM), PCBs, pesticides, herbicides, metals (including trivalent and hex chromium), total cyanide, and PFAS (Method 1633).

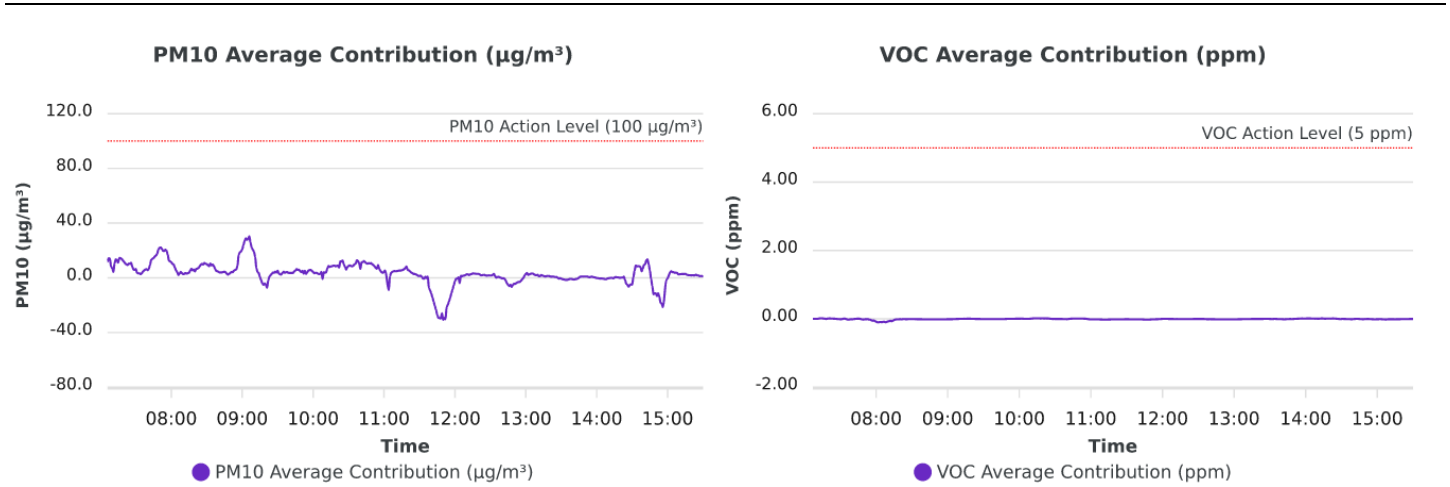
Air Monitoring:

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	68.8	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-30.7	VOC Average Site Contribution (Minimum)	-0.10
PM10 Average Site Contribution (Maximum)	30.3	VOC Average Site Contribution (Maximum)	0.02

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

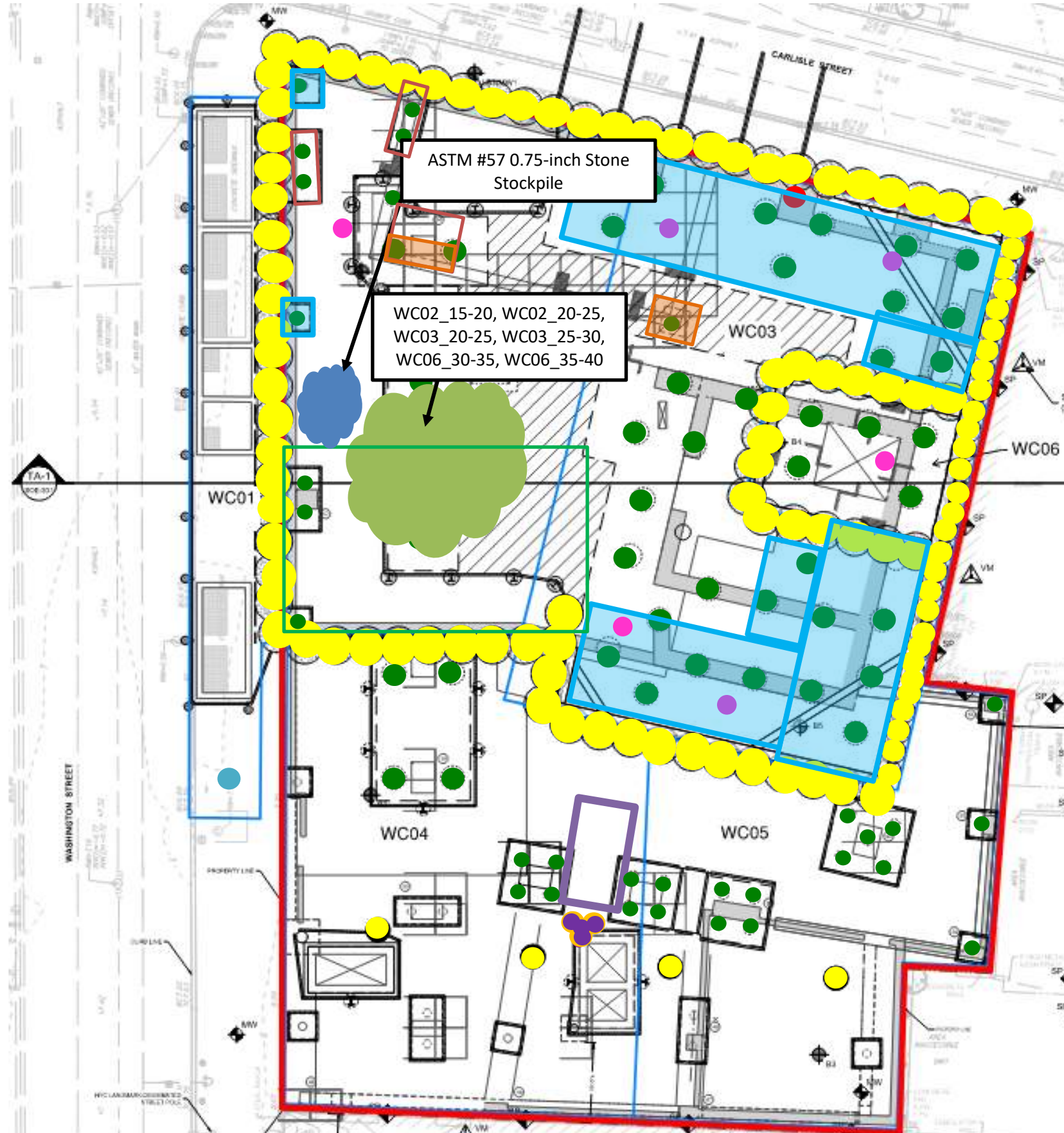
ppm: parts per million.



Planned Activities:

- Urban will continue excavation throughout the site to assist in the advancement of caissons, soldier piles and installation of the foundation mat.

SITE PLAN



- Site Boundary**
- Waste Characterization Grid Boundary**
- **CAMP station 1**
- **CAMP station 2**
- **Stockpile – Soil (no impacts)**
- **Stockpile – C&D**
- **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: View of Urban loading a truck with soil/fill for off-site disposal (facing north).



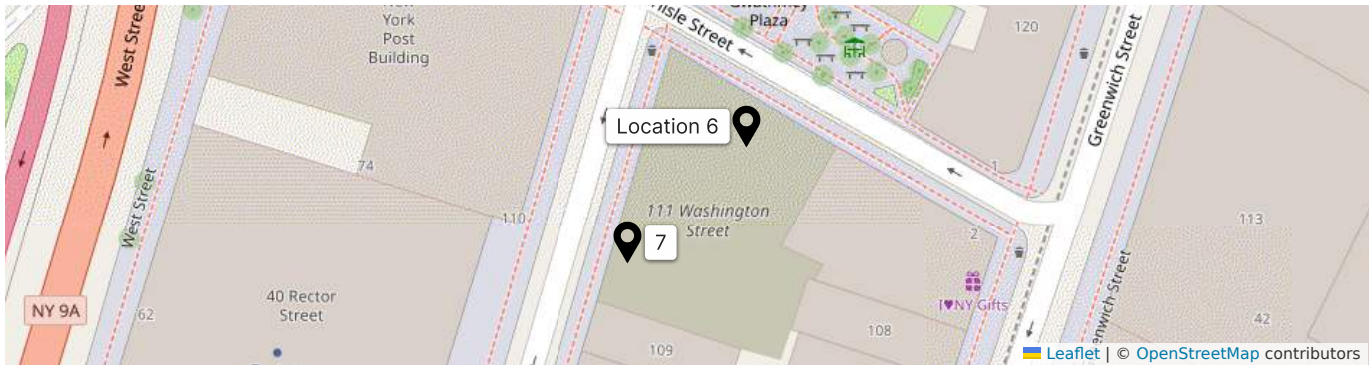
Photo 2: View of Urban backfilling previously imported 0.75-inch stone in grid WC02_20-25 (facing southeast).



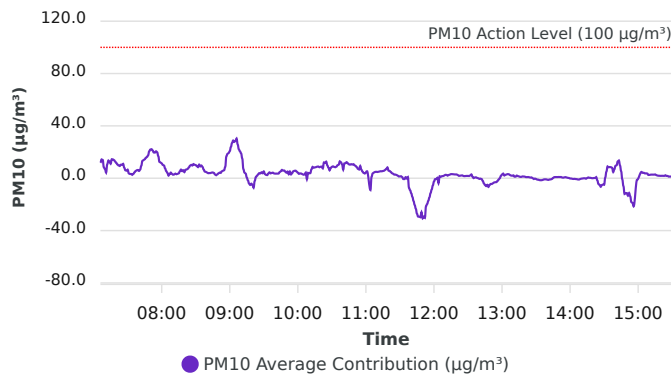
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	12/26/2023 06:00
		To:	12/26/2023 19:00
		PM10 Action Level:	100.0 $\mu\text{g}/\text{m}^3$
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
12/26/2023	0.2-1.7	WSW

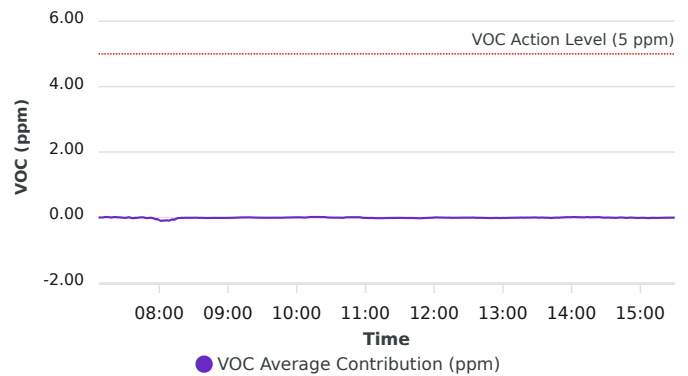
Daily Monitoring Summary	PM10 ($\mu\text{g}/\text{m}^3$)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 12/26/2023	-30.7	11:50	-0.10	08:02
Max Contribution (15 min avg.) - 12/26/2023	30.3	09:06	0.02	10:13



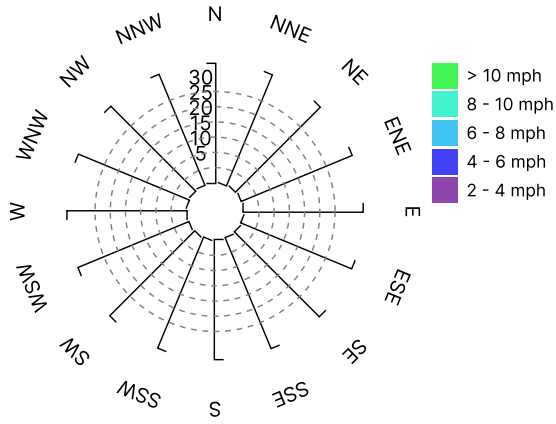
PM10 Average Contribution ($\mu\text{g}/\text{m}^3$)



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
12/26/2023 07:05:00							0.9	ESE
12/26/2023 07:06:00	68.8	80.6	11.8				0.8	ESE
12/26/2023 07:07:00	64.6	78.9	14.3	0.00	0.00	0.00	0.7	ENE
12/26/2023 07:08:00	61.6	75.6	14.0	0.00	0.00	0.00	0.7	E
12/26/2023 07:09:00	62.0	70.2	8.3	0.00	0.00	0.00	0.7	SW
12/26/2023 07:10:00	60.8	67.8	7.0	0.00	0.00	0.00	0.7	SE
12/26/2023 07:11:00	61.5	65.8	4.3	0.00	0.00	0.00	0.7	ESE
12/26/2023 07:12:00	60.2	70.9	10.7	0.00	0.01	0.01	0.7	SSE
12/26/2023 07:13:00	59.1	72.6	13.5	0.00	0.02	0.02	0.7	W
12/26/2023 07:14:00	58.1	71.0	12.8	0.01	0.02	0.01	0.7	SSE
12/26/2023 07:15:00	57.8	68.9	11.1	0.01	0.02	0.01	0.7	SE
12/26/2023 07:16:00	57.1	71.6	14.5	0.01	0.02	0.01	0.6	WNW
12/26/2023 07:17:00	56.6	70.9	14.4	0.01	0.02	0.00	0.7	WSW
12/26/2023 07:18:00	56.0	69.8	13.8	0.02	0.01	0.00	0.7	WSW
12/26/2023 07:19:00	55.5	68.2	12.7	0.02	0.02	0.01	0.6	ENE
12/26/2023 07:20:00	55.1	66.8	11.6	0.02	0.03	0.01	0.6	NE
12/26/2023 07:21:00	54.0	64.5	10.5	0.01	0.03	0.01	0.6	ESE
12/26/2023 07:22:00	53.0	62.8	9.8	0.02	0.03	0.01	0.6	SSW
12/26/2023 07:23:00	52.4	61.7	9.4	0.02	0.03	0.01	0.6	SW
12/26/2023 07:24:00	51.3	61.6	10.3	0.02	0.03	0.01	0.6	W
12/26/2023 07:25:00	50.8	61.1	10.3	0.02	0.03	0.00	0.6	W
12/26/2023 07:26:00	49.6	60.6	11.0	0.03	0.03	0.00	0.6	WSW
12/26/2023 07:27:00	49.1	57.1	8.0	0.03	0.02	0.00	0.7	WSW
12/26/2023 07:28:00	48.6	54.6	6.0	0.03	0.02	-0.01	0.7	W
12/26/2023 07:29:00	48.0	53.8	5.8	0.03	0.02	-0.01	0.7	WSW
12/26/2023 07:30:00	47.0	53.5	6.5	0.03	0.02	-0.01	0.7	SSW
12/26/2023 07:31:00	46.3	50.0	3.7	0.03	0.02	-0.01	0.7	WSW
12/26/2023 07:32:00	45.5	48.8	3.3	0.03	0.02	0.00	0.7	WSW
12/26/2023 07:33:00	44.8	48.0	3.2	0.03	0.03	0.01	0.7	WSW
12/26/2023 07:34:00	44.9	47.5	2.6	0.04	0.04	0.00	0.8	ENE
12/26/2023 07:35:00	44.2	47.5	3.3	0.05	0.04	-0.01	0.8	WSW
12/26/2023 07:36:00	43.4	47.9	4.5	0.07	0.04	-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
12/26/2023 07:37:00	43.0	48.4	5.5	0.07	0.05	-0.02	0.8	WSW
12/26/2023 07:38:00	42.6	48.7	6.1	0.08	0.06	-0.02	0.8	SW
12/26/2023 07:39:00	42.2	48.5	6.3	0.08	0.07	-0.01	0.8	W
12/26/2023 07:40:00	42.2	47.8	5.6	0.09	0.08	-0.01	0.8	NNE
12/26/2023 07:41:00	41.6	48.1	6.6	0.09	0.09	-0.01	0.8	WSW
12/26/2023 07:42:00	41.2	50.7	9.5	0.09	0.09	0.00	0.8	SW
12/26/2023 07:43:00	40.9	54.2	13.3	0.09	0.09	0.00	0.7	WNW
12/26/2023 07:44:00	40.6	54.5	13.9	0.09	0.10	0.00	0.7	WNW
12/26/2023 07:45:00	40.4	54.9	14.5	0.09	0.10	0.00	0.7	WSW
12/26/2023 07:46:00	40.5	56.0	15.6	0.10	0.10	0.00	0.7	WSW
12/26/2023 07:47:00	40.5	56.8	16.3	0.10	0.10	0.00	0.7	SW
12/26/2023 07:48:00	40.4	57.8	17.4	0.10	0.09	-0.01	0.7	WSW
12/26/2023 07:49:00	39.6	60.2	20.6	0.10	0.08	-0.02	0.7	WSW
12/26/2023 07:50:00	39.4	61.3	21.9	0.09	0.07	-0.02	0.6	WSW
12/26/2023 07:51:00	39.2	61.4	22.2	0.08	0.07	-0.01	0.7	SW
12/26/2023 07:52:00	39.1	60.3	21.3	0.07	0.06	-0.01	0.7	WSW
12/26/2023 07:53:00	39.4	59.0	19.7	0.07	0.06	-0.01	0.6	ESE
12/26/2023 07:54:00	39.1	58.7	19.6	0.07	0.05	-0.02	0.6	WSW
12/26/2023 07:55:00	38.4	59.0	20.6	0.08	0.05	-0.03	0.6	WSW
12/26/2023 07:56:00	38.4	58.3	19.9	0.09	0.04	-0.04	0.6	WSW
12/26/2023 07:57:00	38.3	55.2	16.9	0.10	0.04	-0.06	0.6	WSW
12/26/2023 07:58:00	38.5	51.0	12.5	0.10	0.05	-0.04	0.6	E
12/26/2023 07:59:00	38.5	50.5	12.0	0.12	0.05	-0.07	0.7	WSW
12/26/2023 08:00:00	38.4	49.7	11.3	0.13	0.05	-0.08	0.7	WSW
12/26/2023 08:01:00	38.2	48.3	10.2	0.14	0.05	-0.10	0.7	W
12/26/2023 08:02:00	38.0	47.7	9.8	0.15	0.04	-0.10	0.7	WSW
12/26/2023 08:03:00	38.5	46.0	7.5	0.14	0.05	-0.09	0.7	N
12/26/2023 08:04:00	38.4	43.8	5.4	0.14	0.04	-0.10	0.7	W
12/26/2023 08:05:00	38.3	42.4	4.1	0.14	0.04	-0.10	0.7	SSW
12/26/2023 08:06:00	39.1	41.2	2.0	0.13	0.04	-0.09	0.7	ESE
12/26/2023 08:07:00	38.9	42.0	3.1	0.13	0.04	-0.09	0.7	W
12/26/2023 08:08:00	38.2	42.5	4.3	0.13	0.03	-0.10	0.7	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
12/26/2023 08:09:00	38.3	41.7	3.3	0.12	0.04	-0.09	0.7	E
12/26/2023 08:10:00	38.4	41.1	2.7	0.11	0.04	-0.07	0.7	SE
12/26/2023 08:11:00	38.1	41.0	2.9	0.10	0.04	-0.07	0.7	SW
12/26/2023 08:12:00	37.8	41.3	3.5	0.09	0.04	-0.06	0.7	S
12/26/2023 08:13:00	38.0	41.1	3.1	0.09	0.02	-0.07	0.7	E
12/26/2023 08:14:00	37.9	41.3	3.4	0.07	0.02	-0.05	0.6	W
12/26/2023 08:15:00	37.7	41.4	3.7	0.06	0.02	-0.04	0.6	WSW
12/26/2023 08:16:00	37.5	42.8	5.3	0.04	0.02	-0.02	0.6	WNW
12/26/2023 08:17:00	37.4	44.0	6.6	0.04	0.02	-0.01	0.7	WSW
12/26/2023 08:18:00	38.6	44.0	5.4	0.04	0.02	-0.02	0.7	ESE
12/26/2023 08:19:00	38.5	44.6	6.0	0.04	0.02	-0.01	0.7	WSW
12/26/2023 08:20:00	39.3	44.0	4.7	0.03	0.02	-0.01	0.7	E
12/26/2023 08:21:00	38.1	44.6	6.5	0.03	0.02	-0.01	0.7	SW
12/26/2023 08:22:00	37.9	44.6	6.7	0.03	0.02	-0.01	0.7	WSW
12/26/2023 08:23:00	37.9	45.1	7.2	0.02	0.02	-0.01	0.7	W
12/26/2023 08:24:00	37.5	45.8	8.3	0.02	0.01	-0.01	0.8	W
12/26/2023 08:25:00	37.3	46.9	9.6	0.03	0.01	-0.01	0.8	SSW
12/26/2023 08:26:00	37.3	47.4	10.2	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:27:00	37.3	47.0	9.7	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:28:00	36.6	47.5	10.8	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:29:00	36.6	46.9	10.3	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:30:00	36.6	46.6	10.0	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:31:00	36.6	45.9	9.3	0.02	0.01	-0.01	0.8	SSW
12/26/2023 08:32:00	36.7	45.2	8.5	0.02	0.01	-0.01	0.8	W
12/26/2023 08:33:00	35.6	46.0	10.4	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:34:00	36.3	45.4	9.1	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:35:00	35.9	45.6	9.7	0.02	0.01	-0.01	0.8	WNW
12/26/2023 08:36:00	36.5	45.1	8.6	0.02	0.01	-0.01	0.8	NW
12/26/2023 08:37:00	37.0	43.6	6.6	0.02	0.01	-0.01	0.8	W
12/26/2023 08:38:00	37.5	42.6	5.1	0.02	0.01	-0.01	0.8	W
12/26/2023 08:39:00	37.4	42.2	4.8	0.02	0.01	-0.01	0.8	WSW
12/26/2023 08:40:00	37.1	41.4	4.3	0.02	0.00	-0.01	0.7	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
12/26/2023 08:41:00	37.0	40.8	3.8	0.02	0.00	-0.01	0.8	WSW
12/26/2023 08:42:00	36.9	40.9	3.9	0.02	0.00	-0.01	0.7	W
12/26/2023 08:43:00	36.7	40.6	4.0	0.02	0.00	-0.01	0.7	WSW
12/26/2023 08:44:00	36.4	40.7	4.3	0.02	0.00	-0.01	0.7	WSW
12/26/2023 08:45:00	36.4	40.8	4.4	0.01	0.00	-0.01	0.7	W
12/26/2023 08:46:00	36.4	40.4	4.0	0.01	0.00	-0.01	0.7	WSW
12/26/2023 08:47:00	36.2	39.1	2.9	0.01	0.00	-0.01	0.7	SW
12/26/2023 08:48:00	35.9	38.2	2.3	0.01	0.00	-0.01	0.7	SSW
12/26/2023 08:49:00	35.0	37.9	3.0	0.01	0.00	-0.01	0.7	WSW
12/26/2023 08:50:00	34.3	37.9	3.7	0.01	0.00	-0.01	0.8	W
12/26/2023 08:51:00	33.6	37.9	4.3	0.01	0.00	-0.01	0.8	WSW
12/26/2023 08:52:00	34.1	38.2	4.1	0.01	0.00	-0.01	0.8	WSW
12/26/2023 08:53:00	33.8	39.1	5.3	0.01	0.00	-0.01	0.8	W
12/26/2023 08:54:00	33.6	39.3	5.7	0.01	0.00	-0.01	0.8	WSW
12/26/2023 08:55:00	33.5	39.6	6.1	0.01	0.00	-0.01	0.7	W
12/26/2023 08:56:00	33.7	42.3	8.7	0.01	0.00	-0.01	0.7	WSW
12/26/2023 08:57:00	33.5	50.3	16.8	0.01	0.00	-0.01	0.7	W
12/26/2023 08:58:00	33.5	52.1	18.6	0.01	0.00	-0.01	0.7	SW
12/26/2023 08:59:00	33.5	52.7	19.3	0.01	0.00	-0.01	0.7	WSW
12/26/2023 09:00:00	33.3	54.0	20.7	0.01	0.00	-0.01	0.7	S
12/26/2023 09:01:00	33.1	57.0	23.9	0.02	0.01	-0.01	0.7	W
12/26/2023 09:02:00	32.8	59.8	27.0	0.02	0.01	-0.01	0.7	WSW
12/26/2023 09:03:00	32.1	60.9	28.8	0.02	0.01	-0.01	0.7	W
12/26/2023 09:04:00	33.0	60.8	27.8	0.02	0.01	-0.01	0.7	N
12/26/2023 09:05:00	33.2	61.6	28.4	0.02	0.01	-0.01	0.7	SW
12/26/2023 09:06:00	33.3	63.6	30.3	0.02	0.01	-0.01	0.7	WSW
12/26/2023 09:07:00	37.5	63.2	25.7	0.01	0.01	-0.01	0.7	ENE
12/26/2023 09:08:00	40.3	62.4	22.1	0.01	0.01	0.00	0.7	E
12/26/2023 09:09:00	41.2	61.8	20.6	0.01	0.01	0.00	0.7	ESE
12/26/2023 09:10:00	42.1	61.1	19.0	0.01	0.01	0.00	0.7	E
12/26/2023 09:11:00	42.8	57.9	15.1	0.01	0.01	0.00	0.7	ENE
12/26/2023 09:12:00	42.9	49.8	6.9	0.01	0.01	0.00	0.7	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
12/26/2023 09:13:00	43.6	47.9	4.3	0.01	0.01	0.00	0.6	ENE
12/26/2023 09:14:00	43.7	47.3	3.6	0.01	0.01	0.00	0.6	S
12/26/2023 09:15:00	44.9	45.5	0.6	0.01	0.01	0.00	0.6	SE
12/26/2023 09:16:00	45.1	43.5	-1.7	0.01	0.01	0.00	0.6	W
12/26/2023 09:17:00	45.3	41.2	-4.1	0.01	0.01	0.00	0.6	WSW
12/26/2023 09:18:00	45.4	40.3	-5.1	0.01	0.01	0.00	0.6	W
12/26/2023 09:19:00	44.5	40.4	-4.2	0.01	0.01	0.00	0.6	SSW
12/26/2023 09:20:00	44.4	39.3	-5.1	0.01	0.01	0.00	0.6	WSW
12/26/2023 09:21:00	44.5	37.2	-7.3	0.01	0.01	0.00	0.6	WNW
12/26/2023 09:22:00	39.3	37.2	-2.1	0.01	0.01	0.00	0.6	WSW
12/26/2023 09:23:00	36.3	37.2	0.9	0.01	0.01	0.00	0.6	WSW
12/26/2023 09:24:00	35.5	37.4	1.9	0.01	0.01	0.00	0.7	W
12/26/2023 09:25:00	34.8	37.7	3.0	0.01	0.01	0.00	0.7	SW
12/26/2023 09:26:00	34.1	38.0	3.9	0.01	0.01	-0.01	0.7	WSW
12/26/2023 09:27:00	34.1	37.7	3.7	0.01	0.01	-0.01	0.7	WSW
12/26/2023 09:28:00	33.5	38.0	4.5	0.01	0.01	-0.01	0.7	WNW
12/26/2023 09:29:00	33.6	37.5	3.8	0.01	0.00	-0.01	0.7	E
12/26/2023 09:30:00	32.6	37.8	5.2	0.01	0.00	-0.01	0.8	SW
12/26/2023 09:31:00	32.8	35.9	3.2	0.01	0.00	-0.01	0.8	E
12/26/2023 09:32:00	32.9	35.4	2.5	0.01	0.00	-0.01	0.7	W
12/26/2023 09:33:00	32.9	35.3	2.4	0.01	0.00	-0.01	0.7	WSW
12/26/2023 09:34:00	32.9	36.5	3.6	0.01	0.00	-0.01	0.7	WSW
12/26/2023 09:35:00	32.9	37.4	4.5	0.01	0.00	-0.01	0.8	W
12/26/2023 09:36:00	33.6	37.3	3.7	0.01	0.00	-0.01	0.8	ESE
12/26/2023 09:37:00	33.5	37.6	4.1	0.01	0.00	-0.01	0.7	W
12/26/2023 09:38:00	33.6	37.8	4.3	0.01	0.00	-0.01	0.8	WSW
12/26/2023 09:39:00	34.0	37.6	3.6	0.01	0.00	-0.01	0.7	E
12/26/2023 09:40:00	34.0	37.5	3.5	0.01	0.00	-0.01	0.6	WSW
12/26/2023 09:41:00	34.0	37.5	3.5	0.01	0.00	-0.01	0.6	WSW
12/26/2023 09:42:00	34.1	37.6	3.5	0.01	0.00	-0.01	0.6	SSW
12/26/2023 09:43:00	34.1	37.6	3.6	0.01	0.00	-0.01	0.6	NW
12/26/2023 09:44:00	33.9	38.6	4.7	0.01	0.00	-0.01	0.6	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
12/26/2023 09:45:00	33.9	39.3	5.3	0.01	0.00	-0.01	0.6	S
12/26/2023 09:46:00	33.8	40.1	6.4	0.01	0.00	-0.01	0.6	W
12/26/2023 09:47:00	34.1	40.0	5.8	0.01	0.00	-0.01	0.6	E
12/26/2023 09:48:00	34.5	40.4	5.9	0.01	0.01	-0.01	0.6	SSE
12/26/2023 09:49:00	35.1	40.1	5.0	0.01	0.01	0.00	0.6	SSE
12/26/2023 09:50:00	36.2	40.4	4.2	0.01	0.01	0.00	0.6	SW
12/26/2023 09:51:00	36.5	41.6	5.1	0.01	0.01	0.00	0.6	E
12/26/2023 09:52:00	38.3	41.4	3.0	0.01	0.01	0.00	0.6	E
12/26/2023 09:53:00	38.3	43.4	5.1	0.02	0.02	0.00	0.6	WNW
12/26/2023 09:54:00	40.3	43.2	2.9	0.02	0.02	0.00	0.6	E
12/26/2023 09:55:00	40.2	44.2	4.0	0.02	0.02	0.00	0.6	WSW
12/26/2023 09:56:00	40.2	45.5	5.3	0.02	0.02	0.00	0.6	WSW
12/26/2023 09:57:00	40.1	45.8	5.7	0.02	0.02	0.00	0.6	WSW
12/26/2023 09:58:00	40.1	45.9	5.8	0.02	0.02	0.01	0.6	WNW
12/26/2023 09:59:00	40.1	45.2	5.0	0.02	0.03	0.01	0.6	W
12/26/2023 10:00:00	40.4	44.6	4.2	0.02	0.03	0.01	0.6	W
12/26/2023 10:01:00	40.7	44.0	3.4	0.02	0.02	0.01	0.7	WSW
12/26/2023 10:02:00	40.5	44.2	3.7	0.02	0.02	0.01	0.7	ESE
12/26/2023 10:03:00	40.4	44.0	3.6	0.02	0.02	0.00	0.7	WSW
12/26/2023 10:04:00	40.0	43.1	3.1	0.02	0.02	0.00	0.7	WSW
12/26/2023 10:05:00	39.4	42.0	2.7	0.01	0.01	0.00	0.7	WNW
12/26/2023 10:06:00	38.7	41.5	2.9	0.01	0.01	0.00	0.6	E
12/26/2023 10:07:00	37.4	41.7	4.3	0.01	0.01	0.00	0.6	W
12/26/2023 10:08:00	40.6	39.8	-0.8	0.01	0.01	0.00	0.6	SE
12/26/2023 10:09:00	38.4	42.4	4.1	0.01	0.01	0.00	0.6	WSW
12/26/2023 10:10:00	38.4	42.1	3.8	0.01	0.02	0.01	0.7	WSW
12/26/2023 10:11:00	38.4	42.3	3.9	0.01	0.02	0.01	0.7	S
12/26/2023 10:12:00	38.6	45.4	6.8	0.01	0.03	0.01	0.7	WSW
12/26/2023 10:13:00	38.9	47.5	8.7	0.01	0.03	0.02	0.8	WSW
12/26/2023 10:14:00	39.7	47.7	8.0	0.02	0.03	0.01	0.7	NNE
12/26/2023 10:15:00	39.8	48.1	8.3	0.02	0.03	0.02	0.7	W
12/26/2023 10:16:00	39.6	48.1	8.5	0.02	0.03	0.02	0.7	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
12/26/2023 10:17:00	39.4	48.2	8.8	0.02	0.03	0.01	0.7	WSW
12/26/2023 10:18:00	39.2	48.1	8.9	0.02	0.03	0.01	0.7	WSW
12/26/2023 10:19:00	39.4	47.9	8.4	0.02	0.03	0.01	0.7	N
12/26/2023 10:20:00	39.0	47.8	8.8	0.02	0.03	0.01	0.7	SW
12/26/2023 10:21:00	38.9	47.8	8.9	0.02	0.03	0.01	0.7	SW
12/26/2023 10:22:00	39.9	47.4	7.5	0.02	0.03	0.01	0.7	SE
12/26/2023 10:23:00	36.7	48.8	12.0	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:24:00	36.6	48.4	11.8	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:25:00	36.6	49.3	12.7	0.02	0.03	0.01	0.8	W
12/26/2023 10:26:00	37.9	47.7	9.8	0.02	0.02	0.00	0.7	N
12/26/2023 10:27:00	37.9	46.0	8.0	0.02	0.02	0.00	0.7	WNW
12/26/2023 10:28:00	39.5	45.5	6.0	0.02	0.02	0.00	0.7	NE
12/26/2023 10:29:00	39.7	47.5	7.8	0.02	0.02	0.00	0.7	WSW
12/26/2023 10:30:00	39.7	48.4	8.7	0.02	0.01	0.00	0.8	WSW
12/26/2023 10:31:00	40.0	49.0	9.1	0.02	0.01	-0.01	0.8	WSW
12/26/2023 10:32:00	40.6	49.3	8.7	0.02	0.01	-0.01	0.8	WSW
12/26/2023 10:33:00	41.0	49.4	8.4	0.02	0.01	-0.01	0.8	WSW
12/26/2023 10:34:00	41.1	49.9	8.8	0.02	0.01	-0.01	0.8	NNE
12/26/2023 10:35:00	41.1	51.0	9.9	0.02	0.01	-0.01	0.8	W
12/26/2023 10:36:00	41.2	51.5	10.3	0.02	0.01	-0.01	0.8	NW
12/26/2023 10:37:00	39.6	52.5	12.9	0.02	0.01	-0.01	0.8	SSW
12/26/2023 10:38:00	39.8	52.0	12.2	0.02	0.01	-0.01	0.7	WNW
12/26/2023 10:39:00	39.9	50.5	10.6	0.02	0.01	-0.01	0.8	W
12/26/2023 10:40:00	42.2	48.8	6.6	0.02	0.01	-0.01	0.8	ESE
12/26/2023 10:41:00	41.1	52.5	11.3	0.02	0.01	-0.01	0.7	SSW
12/26/2023 10:42:00	41.2	52.7	11.5	0.02	0.02	0.00	0.7	WSW
12/26/2023 10:43:00	39.6	51.8	12.3	0.02	0.02	0.00	0.7	W
12/26/2023 10:44:00	38.5	50.0	11.4	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:45:00	38.2	48.8	10.6	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:46:00	37.8	48.2	10.4	0.02	0.03	0.01	0.8	W
12/26/2023 10:47:00	37.1	47.8	10.7	0.02	0.03	0.01	0.8	W
12/26/2023 10:48:00	37.0	47.4	10.4	0.02	0.03	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
12/26/2023 10:49:00	36.4	47.1	10.7	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:50:00	36.3	46.2	9.9	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:51:00	36.4	45.6	9.3	0.02	0.03	0.01	0.8	W
12/26/2023 10:52:00	36.8	45.2	8.4	0.02	0.03	0.01	0.8	WSW
12/26/2023 10:53:00	37.2	44.3	7.1	0.02	0.03	0.01	0.8	NNE
12/26/2023 10:54:00	37.4	44.1	6.7	0.02	0.03	0.01	0.8	S
12/26/2023 10:55:00	35.6	45.0	9.4	0.02	0.02	0.01	0.8	WSW
12/26/2023 10:56:00	35.9	42.4	6.5	0.02	0.02	0.00	0.8	WSW
12/26/2023 10:57:00	35.8	40.9	5.1	0.02	0.01	0.00	0.9	WSW
12/26/2023 10:58:00	36.0	40.1	4.0	0.02	0.01	-0.01	0.9	WSW
12/26/2023 10:59:00	36.1	39.8	3.6	0.02	0.00	-0.01	0.9	WSW
12/26/2023 11:00:00				0.02	0.00	-0.01	0.9	WSW
12/26/2023 11:01:00	31.6	37.0	5.3	0.02	0.00	-0.01	0.9	WSW
12/26/2023 11:02:00				0.02	0.00	-0.01	0.9	WSW
12/26/2023 11:03:00				0.02	0.00	-0.02	0.9	W
12/26/2023 11:04:00	41.0	32.0	-9.0	0.02	0.00	-0.01	0.9	E
12/26/2023 11:05:00	36.7	37.9	1.1	0.02	0.00	-0.01	0.9	W
12/26/2023 11:06:00	35.8	39.5	3.7	0.02	0.00	-0.01	0.9	WSW
12/26/2023 11:07:00	34.7	39.0	4.3	0.02	0.00	-0.02	1.0	WSW
12/26/2023 11:08:00	33.6	38.4	4.8	0.02	0.00	-0.02	1.0	WSW
12/26/2023 11:09:00	32.9	37.8	4.9	0.02	0.00	-0.02	1.1	WSW
12/26/2023 11:10:00	32.6	37.3	4.8	0.02	0.00	-0.02	1.1	W
12/26/2023 11:11:00	32.0	36.9	4.9	0.02	0.00	-0.02	1.1	WSW
12/26/2023 11:12:00	31.3	36.5	5.1	0.02	0.00	-0.02	1.1	WSW
12/26/2023 11:13:00	30.9	36.3	5.3	0.02	0.00	-0.02	1.0	W
12/26/2023 11:14:00	30.6	35.9	5.3	0.02	0.00	-0.02	1.0	W
12/26/2023 11:15:00	30.3	35.8	5.5	0.02	0.00	-0.02	1.0	W
12/26/2023 11:16:00	30.3	36.0	5.7	0.02	0.00	-0.02	1.0	WSW
12/26/2023 11:17:00	30.4	36.8	6.4	0.02	0.00	-0.02	1.0	WSW
12/26/2023 11:18:00	30.5	37.6	7.2	0.02	0.01	-0.01	1.0	WSW
12/26/2023 11:19:00	29.8	38.1	8.3	0.02	0.01	-0.01	0.9	WSW
12/26/2023 11:20:00	31.8	37.5	5.8	0.02	0.01	-0.01	1.0	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
12/26/2023 11:21:00	32.3	37.8	5.5	0.02	0.01	-0.01	1.0	WSW
12/26/2023 11:22:00	33.3	38.0	4.7	0.02	0.01	-0.01	0.9	WSW
12/26/2023 11:23:00	34.3	38.1	3.8	0.02	0.01	-0.01	0.9	WSW
12/26/2023 11:24:00	34.9	38.3	3.4	0.02	0.01	-0.01	0.9	WNW
12/26/2023 11:25:00	35.7	38.5	2.8	0.02	0.01	-0.01	0.8	WNW
12/26/2023 11:26:00	36.0	38.8	2.8	0.02	0.01	-0.01	0.8	WSW
12/26/2023 11:27:00	36.4	38.9	2.5	0.02	0.01	-0.01	0.8	WSW
12/26/2023 11:28:00	36.8	38.8	2.0	0.02	0.01	-0.01	0.8	WSW
12/26/2023 11:29:00	37.2	38.5	1.4	0.02	0.01	-0.01	0.8	NNW
12/26/2023 11:30:00	37.2	38.6	1.4	0.02	0.01	-0.01	0.8	WSW
12/26/2023 11:31:00	37.1	38.6	1.5	0.02	0.01	-0.01	0.8	W
12/26/2023 11:32:00	37.0	37.8	0.8	0.02	0.01	-0.01	0.7	SSE
12/26/2023 11:33:00	37.3	36.6	-0.6	0.02	0.01	-0.01	0.7	ENE
12/26/2023 11:34:00	37.2	36.6	-0.7	0.02	0.00	-0.01	0.8	SW
12/26/2023 11:35:00	35.8	36.6	0.8	0.02	0.00	-0.02	0.7	SSW
12/26/2023 11:36:00	36.5	36.3	-0.2	0.02	0.00	-0.02	0.7	W
12/26/2023 11:37:00	37.1	38.0	0.9	0.02	0.00	-0.02	0.7	W
12/26/2023 11:38:00	45.5	38.0	-7.5	0.02	0.00	-0.02	0.7	WSW
12/26/2023 11:39:00	49.9	40.7	-9.2	0.02	0.00	-0.02	0.7	SW
12/26/2023 11:40:00	53.9	42.4	-11.5	0.02	0.00	-0.02	0.7	SW
12/26/2023 11:41:00	57.6	43.3	-14.3	0.02	0.00	-0.02	0.7	WSW
12/26/2023 11:42:00	61.0	43.5	-17.4	0.02	0.00	-0.02	0.7	WSW
12/26/2023 11:43:00	64.2	43.7	-20.5	0.02	0.00	-0.02	0.7	W
12/26/2023 11:44:00	67.7	44.4	-23.3	0.02	0.00	-0.02	0.7	WSW
12/26/2023 11:45:00	71.3	44.2	-27.1	0.02	0.00	-0.02	0.7	W
12/26/2023 11:46:00	73.0	43.7	-29.3	0.02	0.00	-0.02	0.7	W
12/26/2023 11:47:00	73.0	43.6	-29.4	0.03	0.00	-0.02	0.7	WSW
12/26/2023 11:48:00	73.0	43.2	-29.8	0.03	0.00	-0.02	0.7	NE
12/26/2023 11:49:00	72.8	46.9	-25.9	0.02	0.00	-0.02	0.7	WSW
12/26/2023 11:50:00	76.9	46.2	-30.7	0.02	0.00	-0.02	0.8	E
12/26/2023 11:51:00	75.1	45.8	-29.3	0.02	0.00	-0.02	0.8	SW
12/26/2023 11:52:00	73.4	43.1	-30.3	0.02	0.00	-0.01	0.8	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
12/26/2023 11:53:00	63.6	42.4	-21.3	0.02	0.00	-0.01	0.7	NW
12/26/2023 11:54:00	58.5	38.8	-19.7	0.02	0.00	-0.01	0.7	ENE
12/26/2023 11:55:00	53.6	36.3	-17.3	0.01	0.01	-0.01	0.7	ENE
12/26/2023 11:56:00	49.5	34.9	-14.6	0.01	0.01	-0.01	0.6	WSW
12/26/2023 11:57:00	45.6	34.3	-11.3	0.01	0.01	-0.01	0.6	W
12/26/2023 11:58:00	42.1	33.5	-8.6	0.01	0.01	-0.01	0.6	SE
12/26/2023 11:59:00	38.1	32.6	-5.5	0.01	0.01	0.00	0.5	E
12/26/2023 12:00:00	34.5	31.9	-2.5	0.01	0.01	0.00	0.5	E
12/26/2023 12:01:00	32.3	31.6	-0.7	0.01	0.01	0.00	0.5	WSW
12/26/2023 12:02:00	31.7	31.1	-0.6	0.01	0.01	0.00	0.5	SSW
12/26/2023 12:03:00	30.8	31.2	0.3	0.01	0.01	0.00	0.5	W
12/26/2023 12:04:00	30.5	26.6	-3.8	0.01	0.01	0.00	0.4	NW
12/26/2023 12:05:00	25.1	26.5	1.5	0.01	0.00	0.00	0.4	W
12/26/2023 12:06:00	24.6	25.7	1.1	0.01	0.00	0.00	0.4	W
12/26/2023 12:07:00	24.0	25.6	1.6	0.01	0.00	0.00	0.4	W
12/26/2023 12:08:00	23.6	25.3	1.6	0.01	0.00	0.00	0.4	WSW
12/26/2023 12:09:00	23.2	25.2	2.0	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:10:00	22.6	25.2	2.6	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:11:00	22.3	24.8	2.5	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:12:00	22.2	24.2	2.0	0.01	0.00	-0.01	0.4	E
12/26/2023 12:13:00	21.6	24.1	2.5	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:14:00	21.1	23.9	2.8	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:15:00	20.6	23.8	3.1	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:16:00	20.4	23.5	3.1	0.01	0.00	-0.01	0.4	NW
12/26/2023 12:17:00	20.2	23.3	3.0	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:18:00	20.1	23.0	2.9	0.01	0.00	-0.01	0.4	W
12/26/2023 12:19:00	20.0	22.9	2.9	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:20:00	19.9	22.8	2.9	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:21:00	20.1	22.6	2.4	0.01	0.00	-0.01	0.4	E
12/26/2023 12:22:00	20.5	22.3	1.8	0.01	0.00	-0.01	0.4	E
12/26/2023 12:23:00	20.6	22.5	1.9	0.01	0.00	-0.01	0.4	W
12/26/2023 12:24:00	20.6	22.7	2.1	0.01	0.00	-0.01	0.4	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
12/26/2023 12:25:00	20.6	22.8	2.2	0.01	0.00	-0.01	0.4	NW
12/26/2023 12:26:00	20.8	22.4	1.7	0.01	0.00	-0.01	0.4	ENE
12/26/2023 12:27:00	20.8	22.4	1.6	0.01	0.00	-0.01	0.4	ESE
12/26/2023 12:28:00	20.7	22.4	1.7	0.01	0.00	-0.01	0.4	W
12/26/2023 12:29:00	20.7	22.5	1.8	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:30:00	20.8	22.5	1.8	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:31:00	20.9	22.6	1.7	0.01	0.00	-0.01	0.4	WSW
12/26/2023 12:32:00	21.2	23.3	2.2	0.01	0.00	-0.01	0.4	W
12/26/2023 12:33:00	22.0	24.9	2.9	0.01	0.01	0.00	0.4	ESE
12/26/2023 12:34:00	23.7	24.9	1.1	0.01	0.01	0.00	0.4	WNW
12/26/2023 12:35:00	25.1	25.2	0.1	0.01	0.01	-0.01	0.5	WSW
12/26/2023 12:36:00	25.1	25.7	0.6	0.01	0.00	-0.01	0.5	W
12/26/2023 12:37:00	25.3	26.0	0.7	0.01	0.00	-0.01	0.5	W
12/26/2023 12:38:00	25.8	26.0	0.3	0.01	0.00	-0.01	0.6	WSW
12/26/2023 12:39:00	26.0	26.0	0.0	0.01	0.00	-0.01	0.6	WSW
12/26/2023 12:40:00	26.4	25.9	-0.5	0.01	0.01	-0.01	0.6	ENE
12/26/2023 12:41:00	26.6	26.3	-0.3	0.01	0.00	-0.01	0.7	WSW
12/26/2023 12:42:00	27.4	26.7	-0.7	0.01	0.00	-0.01	0.7	WSW
12/26/2023 12:43:00	28.8	26.8	-2.0	0.01	0.00	-0.01	0.7	WSW
12/26/2023 12:44:00	30.8	26.9	-4.0	0.02	0.00	-0.01	0.7	WSW
12/26/2023 12:45:00	32.1	26.9	-5.2	0.02	0.00	-0.01	0.8	WSW
12/26/2023 12:46:00	32.8	26.8	-6.0	0.02	0.00	-0.01	0.8	W
12/26/2023 12:47:00	32.8	27.7	-5.0	0.02	0.01	-0.01	0.8	E
12/26/2023 12:48:00	32.9	26.3	-6.6	0.02	0.00	-0.02	0.8	W
12/26/2023 12:49:00	31.8	26.6	-5.2	0.02	0.00	-0.02	0.9	WSW
12/26/2023 12:50:00	30.7	26.3	-4.4	0.02	0.00	-0.02	0.8	WSW
12/26/2023 12:51:00	30.5	26.1	-4.4	0.02	0.00	-0.01	0.8	W
12/26/2023 12:52:00	29.8	25.9	-3.8	0.02	0.00	-0.01	0.8	WSW
12/26/2023 12:53:00	28.9	25.7	-3.2	0.02	0.00	-0.01	0.8	WSW
12/26/2023 12:54:00	28.5	25.4	-3.0	0.02	0.00	-0.01	0.8	W
12/26/2023 12:55:00	28.3	25.3	-3.0	0.02	0.00	-0.01	0.8	W
12/26/2023 12:56:00	28.2	26.1	-2.1	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
12/26/2023 12:57:00	27.7	26.6	-1.0	0.02	0.00	-0.02	0.8	NW
12/26/2023 12:58:00	26.6	26.6	0.0	0.02	0.00	-0.01	0.7	ENE
12/26/2023 12:59:00	24.8	26.6	1.8	0.02	0.00	-0.01	0.7	WSW
12/26/2023 13:00:00	23.5	26.3	2.8	0.02	0.00	-0.01	0.7	WSW
12/26/2023 13:01:00	22.6	26.1	3.5	0.02	0.00	-0.01	0.7	WNW
12/26/2023 13:02:00	22.3	24.4	2.1	0.02	0.00	-0.01	0.7	WSW
12/26/2023 13:03:00	21.4	23.9	2.5	0.01	0.00	-0.01	0.7	NE
12/26/2023 13:04:00	20.5	23.4	2.9	0.01	0.00	-0.01	0.6	WSW
12/26/2023 13:05:00	19.9	23.1	3.1	0.01	0.00	-0.01	0.6	W
12/26/2023 13:06:00	19.6	22.6	3.0	0.01	0.00	-0.01	0.6	W
12/26/2023 13:07:00	19.8	22.2	2.4	0.01	0.00	-0.01	0.5	ENE
12/26/2023 13:08:00	19.8	21.8	2.0	0.01	0.00	-0.01	0.5	SW
12/26/2023 13:09:00	19.7	21.6	1.9	0.01	0.00	-0.01	0.5	SW
12/26/2023 13:10:00	19.1	21.3	2.2	0.01	0.00	-0.01	0.5	NW
12/26/2023 13:11:00	18.6	19.8	1.2	0.01	0.00	-0.01	0.5	E
12/26/2023 13:12:00	17.9	19.1	1.2	0.01	0.00	-0.01	0.6	W
12/26/2023 13:13:00	17.3	19.3	2.0	0.01	0.00	-0.01	0.6	SSW
12/26/2023 13:14:00	17.2	18.8	1.6	0.01	0.00	-0.01	0.6	NNW
12/26/2023 13:15:00	17.2	18.5	1.4	0.01	0.00	0.00	0.6	ENE
12/26/2023 13:16:00	17.2	18.3	1.0	0.01	0.00	0.00	0.6	ESE
12/26/2023 13:17:00	17.2	18.2	1.0	0.01	0.00	0.00	0.6	WSW
12/26/2023 13:18:00	16.9	18.3	1.4	0.01	0.00	-0.01	0.6	SSE
12/26/2023 13:19:00	17.0	18.3	1.3	0.01	0.00	-0.01	0.6	WNW
12/26/2023 13:20:00	17.1	18.3	1.2	0.01	0.00	0.00	0.6	W
12/26/2023 13:21:00	17.3	18.1	0.9	0.01	0.00	0.00	0.6	ENE
12/26/2023 13:22:00	17.3	18.1	0.8	0.01	0.00	0.00	0.6	NE
12/26/2023 13:23:00	17.4	18.3	0.9	0.01	0.00	0.00	0.6	WNW
12/26/2023 13:24:00	17.6	18.4	0.7	0.01	0.00	0.00	0.6	W
12/26/2023 13:25:00	17.9	18.4	0.5	0.01	0.01	0.00	0.5	SE
12/26/2023 13:26:00	18.0	18.7	0.6	0.01	0.01	0.00	0.5	ENE
12/26/2023 13:27:00	18.5	18.5	0.0	0.01	0.01	0.00	0.5	E
12/26/2023 13:28:00	18.8	18.2	-0.6	0.01	0.01	0.00	0.5	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
12/26/2023 13:29:00	18.9	18.6	-0.3	0.01	0.01	0.00	0.5	W
12/26/2023 13:30:00	19.7	19.1	-0.6	0.01	0.01	0.00	0.5	WSW
12/26/2023 13:31:00	20.7	19.6	-1.1	0.01	0.01	-0.01	0.5	SW
12/26/2023 13:32:00	21.1	19.9	-1.1	0.01	0.01	-0.01	0.5	W
12/26/2023 13:33:00	21.7	20.2	-1.4	0.01	0.01	0.00	0.5	ENE
12/26/2023 13:34:00	22.1	20.6	-1.5	0.01	0.01	0.00	0.5	E
12/26/2023 13:35:00	22.5	21.0	-1.5	0.01	0.01	0.00	0.5	WSW
12/26/2023 13:36:00	22.7	21.4	-1.3	0.01	0.01	-0.01	0.5	NW
12/26/2023 13:37:00	22.9	22.0	-0.9	0.01	0.01	-0.01	0.5	W
12/26/2023 13:38:00	23.2	22.4	-0.8	0.01	0.01	-0.01	0.4	W
12/26/2023 13:39:00	23.6	22.7	-0.9	0.01	0.01	-0.01	0.4	W
12/26/2023 13:40:00	24.3	23.1	-1.2	0.01	0.01	-0.01	0.4	WSW
12/26/2023 13:41:00	24.6	23.4	-1.3	0.02	0.00	-0.01	0.4	WNW
12/26/2023 13:42:00	24.5	23.6	-0.9	0.02	0.00	-0.01	0.5	SW
12/26/2023 13:43:00	24.6	23.7	-0.9	0.01	0.00	-0.01	0.5	ENE
12/26/2023 13:44:00	24.6	24.1	-0.5	0.01	0.01	-0.01	0.4	ESE
12/26/2023 13:45:00	24.1	24.3	0.2	0.01	0.01	-0.01	0.4	E
12/26/2023 13:46:00	23.4	24.2	0.8	0.01	0.01	-0.01	0.4	W
12/26/2023 13:47:00	23.5	24.4	0.9	0.01	0.01	0.00	0.4	NE
12/26/2023 13:48:00	23.5	24.4	0.9	0.01	0.01	-0.01	0.4	W
12/26/2023 13:49:00	23.5	24.4	0.9	0.01	0.01	-0.01	0.4	E
12/26/2023 13:50:00	23.6	24.5	0.9	0.01	0.01	0.00	0.4	NE
12/26/2023 13:51:00	23.7	24.6	0.9	0.01	0.01	0.00	0.4	SE
12/26/2023 13:52:00	23.6	24.6	0.9	0.01	0.01	0.00	0.4	WSW
12/26/2023 13:53:00	23.8	24.3	0.6	0.01	0.01	0.00	0.4	NE
12/26/2023 13:54:00	23.6	24.1	0.4	0.01	0.01	0.01	0.4	E
12/26/2023 13:55:00	23.3	23.9	0.7	0.01	0.01	0.01	0.4	N
12/26/2023 13:56:00	23.1	24.0	0.8	0.00	0.01	0.01	0.4	ENE
12/26/2023 13:57:00	23.4	23.9	0.6	0.00	0.01	0.01	0.4	E
12/26/2023 13:58:00	23.6	23.9	0.3	0.01	0.01	0.01	0.4	S
12/26/2023 13:59:00	23.8	24.0	0.2	0.01	0.01	0.01	0.4	E
12/26/2023 14:00:00	24.1	23.9	-0.2	0.01	0.01	0.01	0.5	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
12/26/2023 14:01:00	24.1	23.9	-0.2	0.00	0.01	0.01	0.5	E
12/26/2023 14:02:00	24.2	23.8	-0.5	0.00	0.01	0.01	0.5	E
12/26/2023 14:03:00	24.4	23.8	-0.6	0.00	0.01	0.01	0.5	NW
12/26/2023 14:04:00	24.4	23.9	-0.5	0.00	0.01	0.01	0.5	ENE
12/26/2023 14:05:00	24.5	23.9	-0.6	0.01	0.01	0.01	0.5	S
12/26/2023 14:06:00	24.7	23.9	-0.7	0.01	0.01	0.01	0.5	ESE
12/26/2023 14:07:00	25.0	24.1	-1.0	0.01	0.01	0.01	0.5	WSW
12/26/2023 14:08:00	25.5	24.5	-1.0	0.01	0.01	0.01	0.5	WNW
12/26/2023 14:09:00	25.7	25.2	-0.6	0.01	0.01	0.01	0.5	N
12/26/2023 14:10:00	25.9	25.6	-0.3	0.01	0.01	0.00	0.5	W
12/26/2023 14:11:00	26.3	26.0	-0.2	0.01	0.01	0.01	0.5	E
12/26/2023 14:12:00	26.5	26.5	-0.1	0.01	0.02	0.01	0.5	E
12/26/2023 14:13:00	26.7	26.7	0.0	0.01	0.02	0.01	0.4	NE
12/26/2023 14:14:00	26.8	26.4	-0.4	0.01	0.02	0.01	0.4	NNW
12/26/2023 14:15:00	26.7	26.8	0.1	0.01	0.02	0.01	0.4	W
12/26/2023 14:16:00	26.6	27.2	0.6	0.01	0.02	0.01	0.4	WNW
12/26/2023 14:17:00	26.8	27.1	0.3	0.01	0.02	0.01	0.4	ESE
12/26/2023 14:18:00	26.7	27.0	0.3	0.01	0.02	0.01	0.4	E
12/26/2023 14:19:00	26.9	27.0	0.1	0.01	0.02	0.01	0.4	ESE
12/26/2023 14:20:00	27.1	27.1	0.0	0.01	0.02	0.01	0.4	W
12/26/2023 14:21:00	27.2	27.4	0.1	0.01	0.02	0.01	0.4	W
12/26/2023 14:22:00	27.4	27.5	0.2	0.01	0.02	0.01	0.3	ENE
12/26/2023 14:23:00	27.1	28.0	0.8	0.01	0.02	0.01	0.3	NE
12/26/2023 14:24:00	29.4	27.8	-1.6	0.01	0.02	0.01	0.4	WSW
12/26/2023 14:25:00	32.1	27.8	-4.4	0.01	0.02	0.01	0.4	SSE
12/26/2023 14:26:00	32.8	27.6	-5.2	0.01	0.02	0.00	0.4	WSW
12/26/2023 14:27:00	34.1	27.6	-6.5	0.02	0.01	0.00	0.4	WNW
12/26/2023 14:28:00	34.1	29.0	-5.2	0.02	0.01	0.00	0.4	NNE
12/26/2023 14:29:00	34.0	29.1	-4.8	0.02	0.01	-0.01	0.4	W
12/26/2023 14:30:00	34.3	29.3	-5.0	0.02	0.01	-0.01	0.4	E
12/26/2023 14:31:00	34.6	35.2	0.6	0.01	0.01	0.00	0.4	E
12/26/2023 14:32:00	34.7	39.8	5.0	0.01	0.01	0.00	0.4	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
12/26/2023 14:33:00	34.9	43.9	9.0	0.01	0.01	0.00	0.4	N
12/26/2023 14:34:00	35.7	44.1	8.4	0.02	0.01	-0.01	0.4	S
12/26/2023 14:35:00	35.6	44.1	8.5	0.02	0.01	-0.01	0.4	W
12/26/2023 14:36:00	35.6	44.0	8.4	0.02	0.01	-0.01	0.5	WSW
12/26/2023 14:37:00	36.0	44.0	8.0	0.02	0.01	-0.01	0.5	WSW
12/26/2023 14:38:00	38.9	43.6	4.7	0.02	0.01	-0.01	0.5	SSE
12/26/2023 14:39:00	36.8	43.6	6.8	0.02	0.01	-0.01	0.5	SW
12/26/2023 14:40:00	34.1	43.6	9.5	0.01	0.01	-0.01	0.5	SW
12/26/2023 14:41:00	33.5	43.4	9.9	0.01	0.01	0.00	0.5	NNW
12/26/2023 14:42:00	32.1	44.9	12.8	0.01	0.01	0.00	0.5	NE
12/26/2023 14:43:00	31.9	45.4	13.5	0.01	0.01	0.00	0.5	ESE
12/26/2023 14:44:00	35.5	45.3	9.7	0.01	0.01	0.00	0.5	WSW
12/26/2023 14:45:00	39.7	45.0	5.3	0.01	0.01	0.00	0.5	W
12/26/2023 14:46:00	39.9	39.0	-0.9	0.01	0.01	-0.01	0.6	WSW
12/26/2023 14:47:00	40.9	34.9	-6.0	0.01	0.01	-0.01	0.6	WNW
12/26/2023 14:48:00	43.2	31.2	-12.1	0.02	0.00	-0.01	0.6	W
12/26/2023 14:49:00	42.8	31.5	-11.3	0.01	0.01	-0.01	0.5	NE
12/26/2023 14:50:00	43.3	31.9	-11.4	0.01	0.01	-0.01	0.5	ESE
12/26/2023 14:51:00	45.4	32.0	-13.4	0.01	0.01	-0.01	0.4	W
12/26/2023 14:52:00	44.9	33.6	-11.3	0.01	0.01	0.00	0.4	NNW
12/26/2023 14:53:00	47.5	33.7	-13.8	0.01	0.01	-0.01	0.4	WSW
12/26/2023 14:54:00	51.9	33.7	-18.3	0.02	0.01	-0.01	0.4	W
12/26/2023 14:55:00	52.6	33.7	-18.9	0.02	0.01	-0.01	0.4	W
12/26/2023 14:56:00	55.3	33.8	-21.5	0.02	0.01	-0.01	0.4	WSW
12/26/2023 14:57:00				0.02	0.01	-0.01	0.4	WNW
12/26/2023 14:58:00				0.02	0.01	-0.01	0.4	WSW
12/26/2023 14:59:00	28.4	27.1	-1.3	0.02	0.01	-0.01	0.4	NE
12/26/2023 15:00:00				0.02	0.01	-0.01	0.4	NE
12/26/2023 15:01:00				0.02	0.01	-0.01	0.4	SSW
12/26/2023 15:02:00				0.02	0.01	-0.01	0.4	E
12/26/2023 15:03:00	24.3	29.1	4.8	0.02	0.01	-0.01	0.4	WSW
12/26/2023 15:04:00	25.2	29.3	4.1	0.02	0.01	-0.01	0.5	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
12/26/2023 15:05:00	25.2	29.4	4.1	0.02	0.01	-0.01	0.5	WSW
12/26/2023 15:06:00	25.3	29.0	3.7	0.02	0.01	-0.02	0.6	WSW
12/26/2023 15:07:00	25.2	28.9	3.7	0.02	0.00	-0.02	0.6	SW
12/26/2023 15:08:00	25.3	28.9	3.6	0.02	0.00	-0.02	0.6	S
12/26/2023 15:09:00	25.9	28.4	2.5	0.02	0.01	-0.01	0.6	NNE
12/26/2023 15:10:00	25.6	28.1	2.5	0.02	0.01	-0.01	0.6	SW
12/26/2023 15:11:00	25.4	28.1	2.7	0.02	0.01	-0.01	0.6	SW
12/26/2023 15:12:00	25.3	28.0	2.8	0.02	0.01	-0.01	0.7	WSW
12/26/2023 15:13:00	25.3	28.0	2.8	0.02	0.01	-0.01	0.7	WSW
12/26/2023 15:14:00	25.2	28.0	2.8	0.02	0.01	-0.01	0.7	W
12/26/2023 15:15:00	25.0	27.9	2.9	0.02	0.00	-0.01	0.8	SW
12/26/2023 15:16:00	25.3	27.6	2.4	0.01	0.00	-0.01	0.8	N
12/26/2023 15:17:00	25.5	27.5	2.0	0.01	0.00	-0.01	0.8	SE
12/26/2023 15:18:00	25.5	27.4	1.9	0.01	0.00	-0.01	0.7	SW
12/26/2023 15:19:00	25.3	27.2	1.9	0.01	0.00	-0.01	0.7	SSE
12/26/2023 15:20:00	25.2	27.0	1.8	0.01	0.00	-0.01	0.7	WSW
12/26/2023 15:21:00	25.0	26.8	1.9	0.01	0.00	-0.01	0.6	WSW
12/26/2023 15:22:00	24.8	26.6	1.8	0.01	0.00	-0.01	0.6	WSW
12/26/2023 15:23:00	24.6	26.4	1.8	0.01	0.00	-0.01	0.7	WSW
12/26/2023 15:24:00	24.2	26.5	2.2	0.01	0.00	-0.01	0.7	SW
12/26/2023 15:25:00	24.4	26.2	1.8	0.01	0.00	-0.01	0.7	ESE
12/26/2023 15:26:00	24.3	26.0	1.7	0.01	0.00	-0.01	0.6	SSW
12/26/2023 15:27:00	24.4	25.7	1.2	0.01	0.00	-0.01	0.6	NNW
12/26/2023 15:28:00	24.3	25.6	1.3	0.01	0.00	-0.01	0.5	WSW
12/26/2023 15:29:00	24.2	25.5	1.3	0.01	0.00	-0.01	0.6	WSW
12/26/2023 15:30:00	24.3	25.4	1.1	0.01	0.00	-0.01	0.6	WSW