

DAILY FIELD REPORT 185

Prepared By: LANGAN

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

BCP Project No:	C231153	Date:	February 9, 2024
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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)	Langan Field Personnel: Caitlyn Dempsey (Environmental) Xianglei Zheng (Geotechnical)
Construction Manager: Consigli Construction Co., Inc. (Consigli)	
Foundation Contractor: Urban Foundation/Engineering (Urban) Remedial Injection Contractors: Brookside Environmental, Inc. (Brookside) and Coastal Environmental Solutions, Inc. (Coastal)	

Work Activities Performed:

- Urban excavated an about 20-foot-long by about 10-foot-wide area and an about 10-foot-long by about 5-foot-wide area from about 10 feet below grade surface (bgs) to about 22 feet bgs in the southern part of grids WC02_10-15, WC02_15-20 and WC02_20-25 to install timber lagging. Excavated soil/fill was stockpiled at the southwestern border of WC02, pending off-site disposal.
- Urban graded an about 20-foot-long by about 15-foot-wide area in the southern part of grid WC02 to mobilize equipment.
- 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 continued installing one rock socket for one caisson in the southern part of grid WC04.
- 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.
- Brookside and Coastal continued implementation of the groundwater injection program in the southern part of the site. Brookside and Coastal batch-mixed PetroFix® by Regenesis, dilution water, and an electron acceptor blend into an injectate solution. Brookside and Coastal started injection points IP-10, IP-11, IP-12, and IP-13.
 - IP-10, IP-11, IP-12, and IP13 were completed using a total of about 1,432 gallons of PetroFix injected from 7 feet bgs to 22 feet bgs (elevation [el] -1 to el -16) at each injection point.

Material Tracking:

- The following soil/fill was exported from the site:
 - 3 loads of soil/fill from waste characterization grids WC02_15-20, WC02_20-25, WC02_25-20, WC04_0-5, and WC05_0-5 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)
	139	2,780	271	5,420	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>		<i>North American Aggregate Mining Operations</i>	
Location	<i>Staten Island, NY</i>		<i>Staten Island, NY</i>		<i>Perth Amboy, NJ</i>	
Type of Material	<i>ASTM #57 0.75-inch Stone</i>		<i>ASTM #2 2.5-inch Stone</i>		<i>Pipe Sand Backfill</i>	
Today	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
		0	-	0	-	0
Total	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)	Number of Loads	Approx. Volume (CY)
	6	120	3	60	0	-
Approved Quantity	-	500	-	200	-	300

Samples Collected:

- No samples were collected.

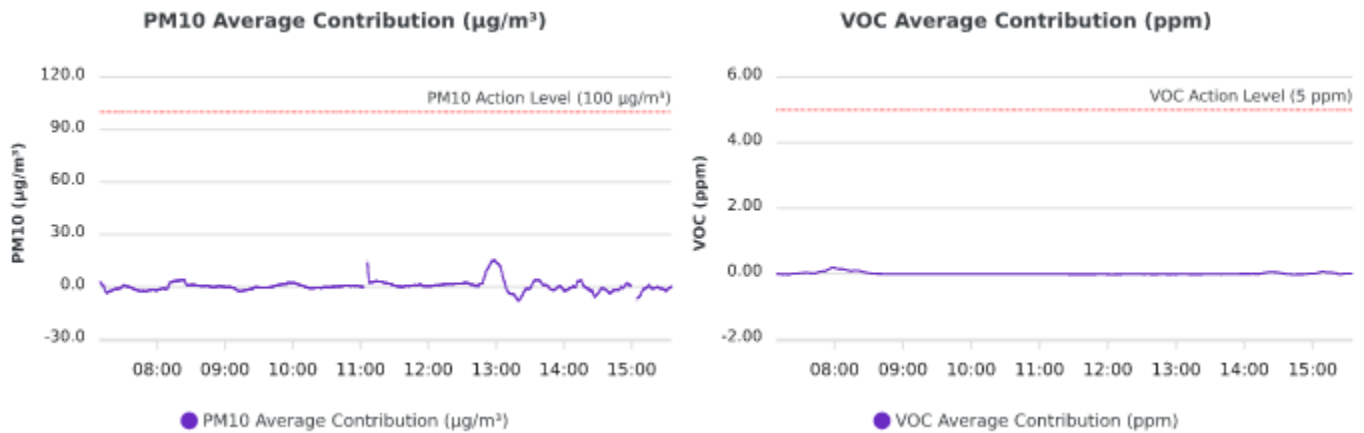
Air Monitoring:

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	7.5	Daily Background	0.00
PM10 Average Site Contribution (Minimum)	-7.9	VOC Average Site Contribution (Minimum)	-0.02
PM10 Average Site Contribution (Maximum)	15.2	VOC Average Site Contribution (Maximum)	0.19

µg/m³: micrograms per cubic meter.

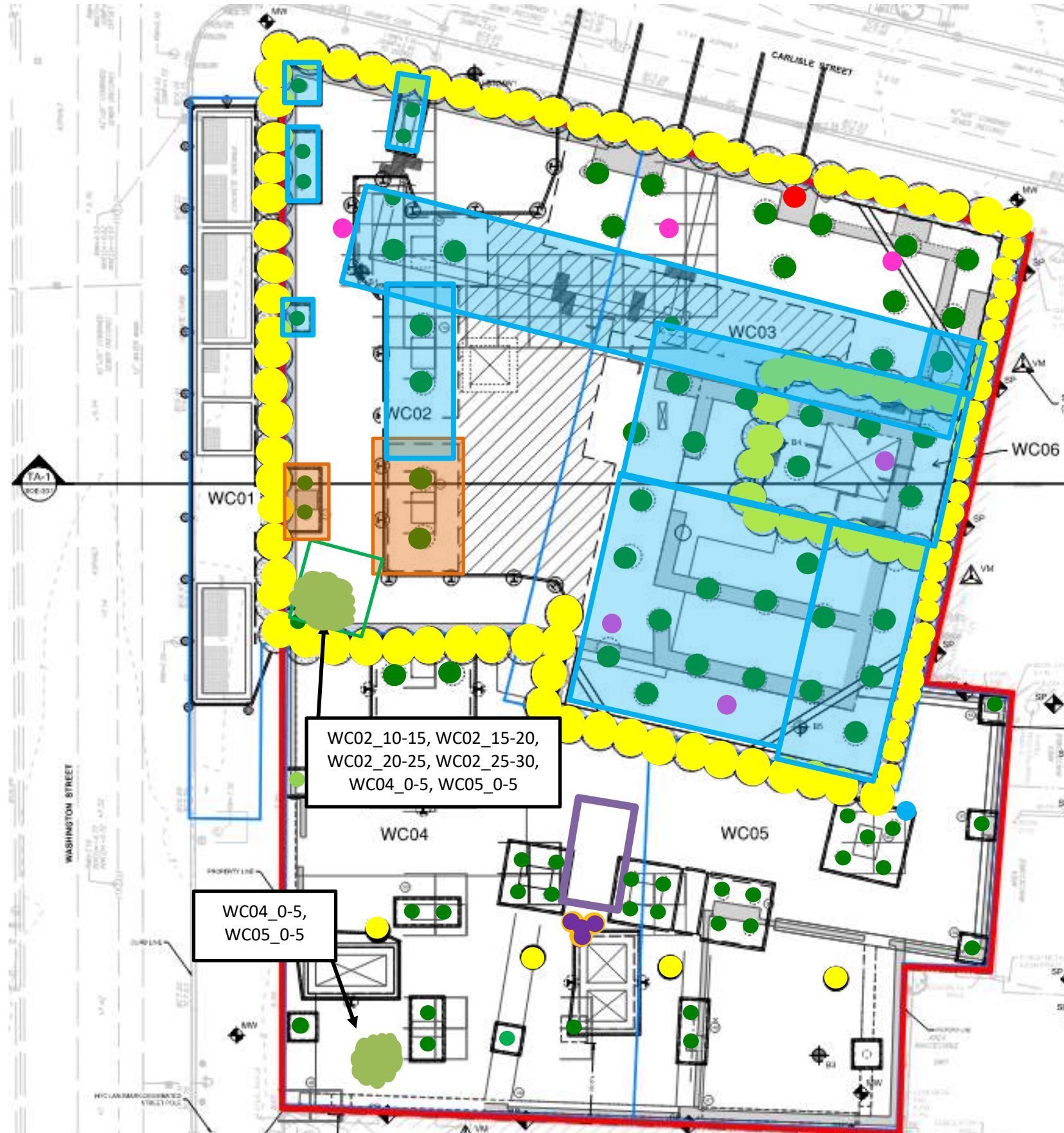
ppm: parts per million.



Planned Activities:

- Urban will continue to excavate and grade site soil/fill in support of foundation installation.
- Urban will continue to advance caissons and soldier piles.
- Brookside and Coastal will continue the remedial injection program.







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.

SITE PLAN - PETROFIX GROUNDWATER TREATMENT AREA

-  Site Boundary
-  Groundwater Treatment Area
-  Proposed Petrofix Injection Point
-  In Progress Petrofix Injection
-  Completed Petrofix Injection
-  Pilot Test Boring Advanced

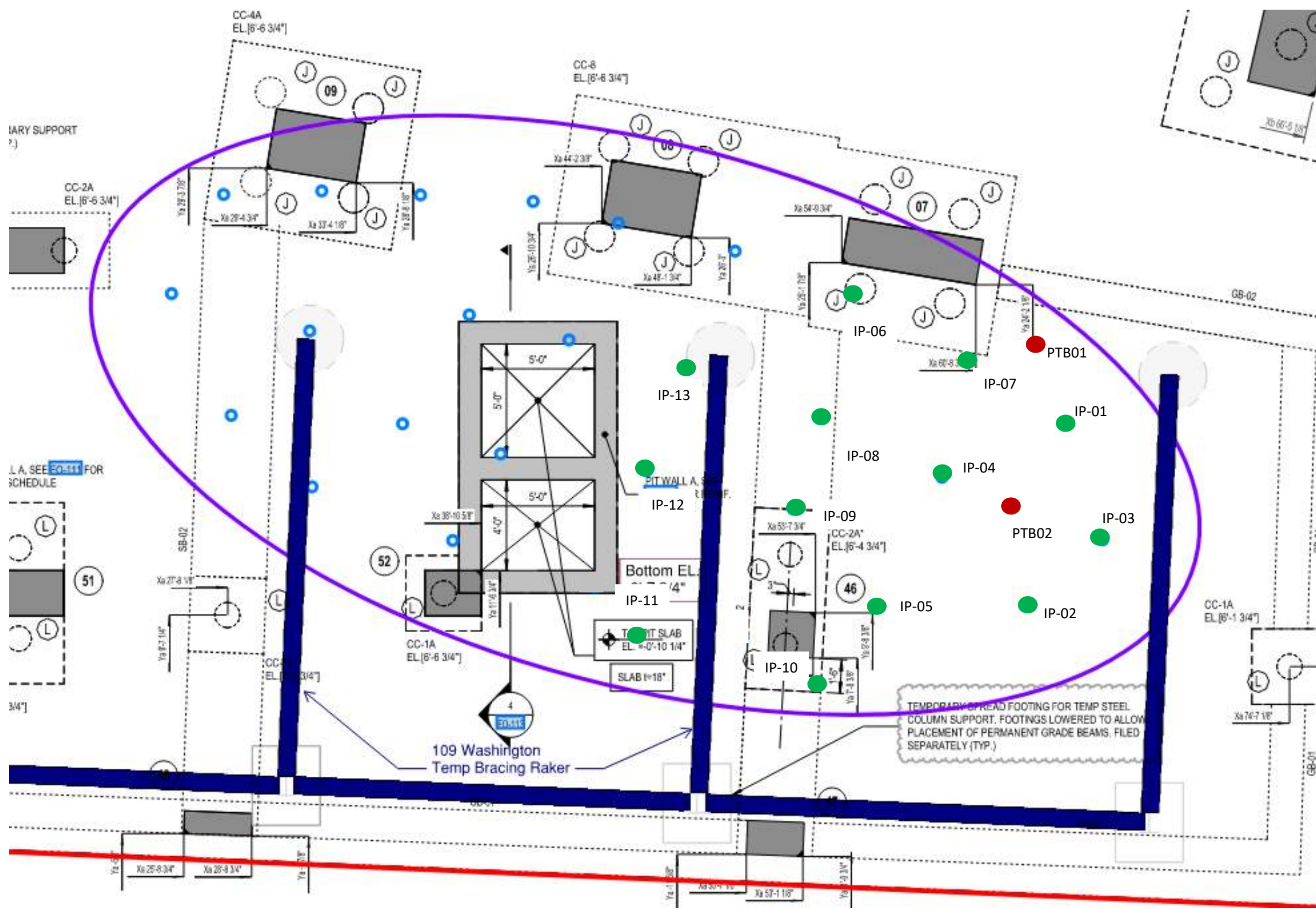


Photo Log

Photo 1: Urban loading a truck for soil/fill export (facing northwest).



Photo 2: General view of the northern part of the site (facing northwest).

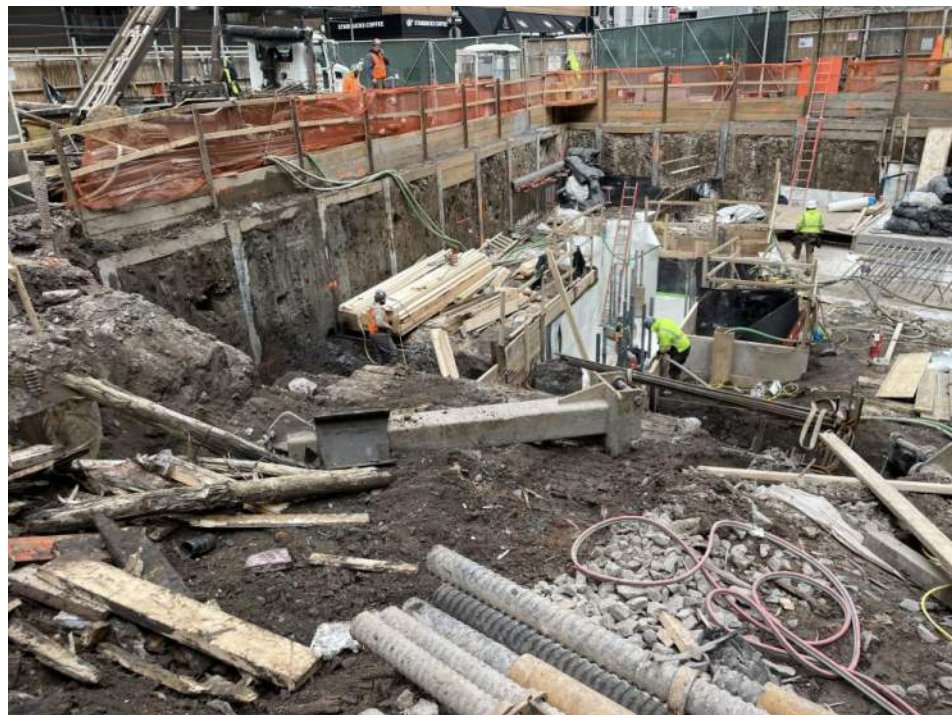


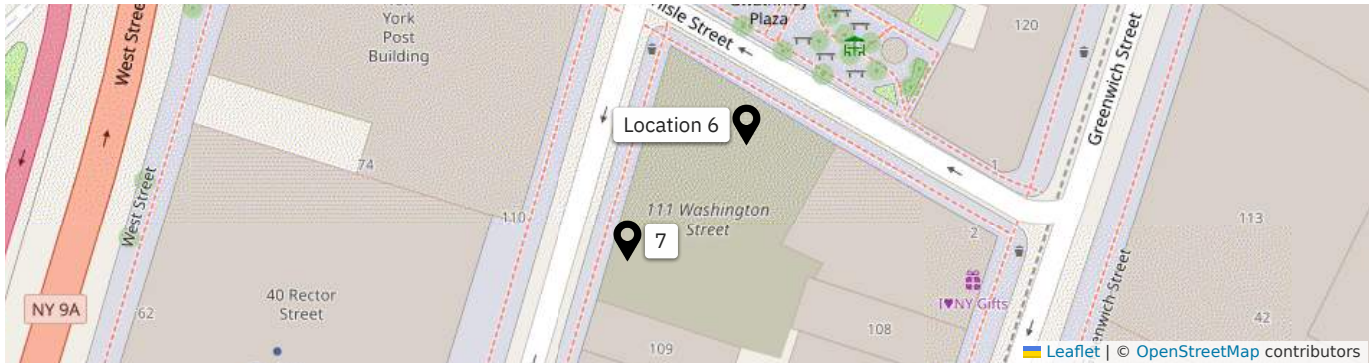
Photo 3: View of Brookside and Coastal installing an injection point in the southern part of the site (facing northwest).



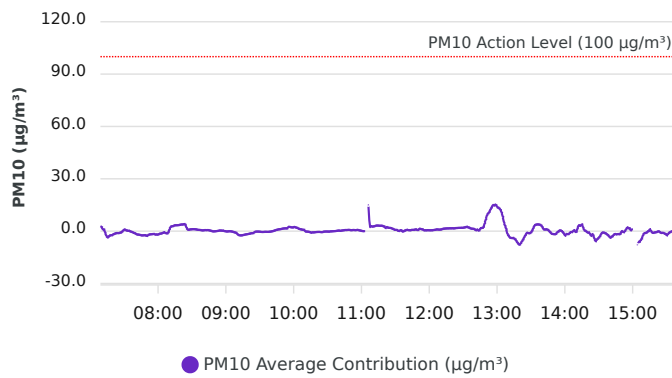
LANGAN	Air Monitoring Report	170695201 - 111 Washington St	
		Report Period	
		From:	2/9/2024 06:00
		To:	2/9/2024 19:00
		PM10 Action Level:	100.0 µg/m³
VOC Action Level:	5.00 ppm		

Daily Environmental Summary	Windspeed (mph)	Prevailing wind direction
2/9/2024	0.4-5.1	WSW

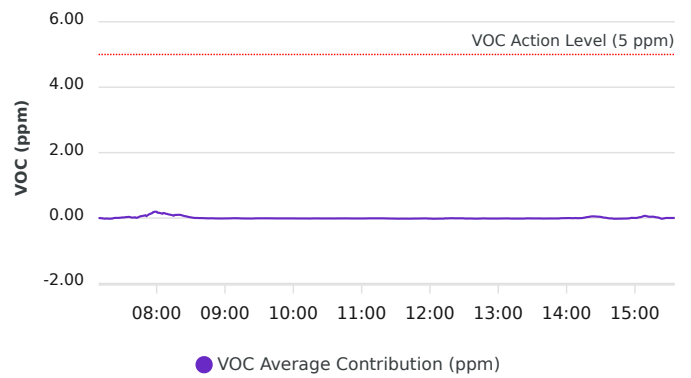
Daily Monitoring Summary	PM10 (µg/m³)	Time	VOC (ppm)	Time
Min Contribution (15 min avg.) - 2/9/2024	-7.9	15:04	-0.02	14:42
Max Contribution (15 min avg.) - 2/9/2024	15.2	12:58	0.19	07:58



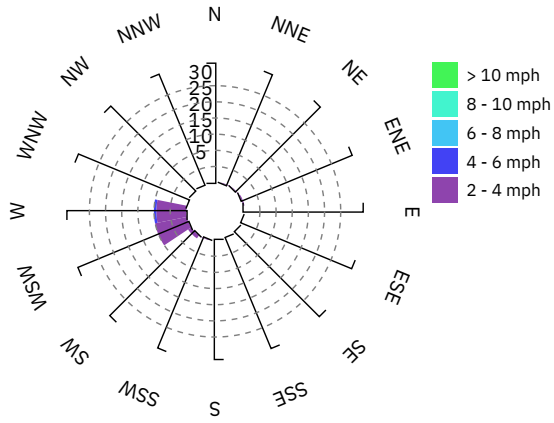
PM10 Average Contribution (µg/m³)



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
2/9/2024 07:09:00	7.5	10.4	2.9	0.00	0.00	0.00	1.6	WSW
2/9/2024 07:10:00	8.6	10.7	2.1	0.00	0.00	0.00	1.6	W
2/9/2024 07:11:00	8.8	9.6	0.8	0.00	0.00	0.00	1.5	W
2/9/2024 07:12:00	8.5	9.5	1.0	0.01	0.00	-0.01	1.4	SW
2/9/2024 07:13:00	11.8	10.6	-1.1	0.01	0.00	-0.01	1.5	WSW
2/9/2024 07:14:00	13.2	10.4	-2.8	0.02	0.00	-0.02	1.4	W
2/9/2024 07:15:00	13.6	9.9	-3.7	0.02	0.00	-0.02	1.4	SW
2/9/2024 07:16:00	13.0	9.9	-3.0	0.02	0.01	-0.01	1.4	SE
2/9/2024 07:17:00	12.4	9.9	-2.5	0.02	0.01	-0.02	1.4	WSW
2/9/2024 07:18:00	11.9	9.7	-2.3	0.03	0.01	-0.02	1.4	WSW
2/9/2024 07:19:00	11.6	9.3	-2.4	0.04	0.01	-0.02	1.4	ESE
2/9/2024 07:20:00	11.2	9.3	-1.8	0.04	0.02	-0.02	1.4	WSW
2/9/2024 07:21:00	10.8	9.3	-1.5	0.05	0.03	-0.01	1.4	W
2/9/2024 07:22:00	10.5	9.2	-1.3	0.05	0.05	0.00	1.4	W
2/9/2024 07:23:00	10.2	9.2	-1.0	0.05	0.06	0.00	1.5	W
2/9/2024 07:24:00	10.1	8.9	-1.1	0.06	0.06	0.01	1.5	S
2/9/2024 07:25:00	9.7	8.6	-1.1	0.06	0.07	0.01	1.5	WSW
2/9/2024 07:26:00	9.5	8.6	-0.8	0.07	0.07	0.01	1.5	WSW
2/9/2024 07:27:00	9.4	8.6	-0.8	0.07	0.07	0.01	1.6	WSW
2/9/2024 07:28:00	8.4	8.2	-0.2	0.07	0.08	0.01	1.5	SW
2/9/2024 07:29:00	7.6	8.1	0.5	0.07	0.08	0.01	1.6	W
2/9/2024 07:30:00	7.2	8.2	1.0	0.07	0.09	0.02	1.6	WSW
2/9/2024 07:31:00	7.3	8.0	0.6	0.07	0.09	0.02	1.7	SW
2/9/2024 07:32:00	7.4	7.8	0.4	0.07	0.09	0.02	1.7	W
2/9/2024 07:33:00	7.5	7.7	0.1	0.07	0.09	0.03	1.8	SW
2/9/2024 07:34:00	7.5	7.7	0.3	0.06	0.09	0.03	2.0	W
2/9/2024 07:35:00	7.6	7.5	-0.1	0.05	0.09	0.04	2.0	S
2/9/2024 07:36:00	7.7	7.3	-0.4	0.05	0.08	0.04	1.9	SSE
2/9/2024 07:37:00	7.7	7.1	-0.6	0.04	0.07	0.02	1.9	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
2/9/2024 07:38:00	7.8	6.8	-1.0	0.04	0.06	0.02	1.9	SW
2/9/2024 07:39:00	7.8	6.7	-1.1	0.04	0.05	0.01	1.9	WSW
2/9/2024 07:40:00	8.1	6.6	-1.6	0.04	0.05	0.02	1.9	SW
2/9/2024 07:41:00	8.3	6.4	-1.9	0.03	0.06	0.02	2.0	W
2/9/2024 07:42:00	8.4	6.4	-1.9	0.05	0.06	0.01	1.9	SE
2/9/2024 07:43:00	8.4	6.3	-2.1	0.05	0.06	0.01	2.0	W
2/9/2024 07:44:00	8.3	6.1	-2.2	0.05	0.08	0.03	2.0	WSW
2/9/2024 07:45:00	8.3	5.9	-2.4	0.05	0.10	0.04	1.9	SW
2/9/2024 07:46:00	8.2	5.7	-2.5	0.05	0.11	0.06	2.0	W
2/9/2024 07:47:00	8.1	5.8	-2.3	0.05	0.11	0.06	1.9	WSW
2/9/2024 07:48:00	8.0	5.8	-2.3	0.05	0.12	0.07	1.8	W
2/9/2024 07:49:00	8.3	5.8	-2.5	0.05	0.13	0.07	1.7	WSW
2/9/2024 07:50:00	8.5	5.7	-2.8	0.06	0.14	0.08	1.7	SSE
2/9/2024 07:51:00	8.5	6.3	-2.2	0.08	0.14	0.06	1.6	ESE
2/9/2024 07:52:00	8.5	6.6	-1.9	0.08	0.16	0.08	1.7	WSW
2/9/2024 07:53:00	8.4	6.6	-1.8	0.08	0.18	0.11	1.6	WSW
2/9/2024 07:54:00	8.3	6.5	-1.8	0.07	0.20	0.13	1.6	SSW
2/9/2024 07:55:00	8.1	6.5	-1.6	0.07	0.21	0.14	1.5	SW
2/9/2024 07:56:00	7.9	6.4	-1.6	0.07	0.22	0.15	1.4	SSW
2/9/2024 07:57:00	8.0	6.0	-1.9	0.06	0.24	0.18	1.4	WSW
2/9/2024 07:58:00	7.7	5.8	-1.9	0.06	0.25	0.19	1.4	WSW
2/9/2024 07:59:00	7.8	5.8	-2.0	0.06	0.25	0.19	1.3	SW
2/9/2024 08:00:00	7.5	5.7	-1.9	0.06	0.25	0.19	1.4	W
2/9/2024 08:01:00	7.2	5.7	-1.4	0.07	0.23	0.16	1.3	N
2/9/2024 08:02:00	7.0	5.5	-1.5	0.07	0.23	0.16	1.3	WNW
2/9/2024 08:03:00	6.7	5.4	-1.2	0.07	0.22	0.15	1.2	W
2/9/2024 08:04:00	6.3	5.3	-1.0	0.07	0.21	0.14	1.2	WSW
2/9/2024 08:05:00	6.0	5.4	-0.6	0.07	0.20	0.13	1.3	W
2/9/2024 08:06:00	5.7	4.7	-1.1	0.04	0.20	0.15	1.4	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
2/9/2024 08:07:00	5.6	4.4	-1.2	0.04	0.19	0.15	1.4	WSW
2/9/2024 08:08:00	5.7	4.4	-1.3	0.04	0.17	0.13	1.4	SSW
2/9/2024 08:09:00	5.7	5.1	-0.5	0.04	0.17	0.13	1.4	SW
2/9/2024 08:10:00	5.5	7.0	1.5	0.04	0.16	0.12	1.4	S
2/9/2024 08:11:00	5.5	8.2	2.6	0.04	0.15	0.11	1.4	WSW
2/9/2024 08:12:00	5.5	8.3	2.8	0.04	0.14	0.10	1.5	WSW
2/9/2024 08:13:00	5.5	8.4	2.9	0.04	0.13	0.09	1.5	SW
2/9/2024 08:14:00	5.3	8.5	3.3	0.04	0.13	0.09	1.6	SSW
2/9/2024 08:15:00	5.2	8.6	3.4	0.04	0.11	0.07	1.6	WSW
2/9/2024 08:16:00	5.2	8.6	3.4	0.02	0.12	0.10	1.6	SSW
2/9/2024 08:17:00	5.3	8.7	3.5	0.02	0.11	0.09	1.7	WSW
2/9/2024 08:18:00	5.3	8.8	3.5	0.02	0.12	0.10	1.8	W
2/9/2024 08:19:00	5.2	8.9	3.6	0.02	0.12	0.10	1.9	W
2/9/2024 08:20:00	5.2	9.0	3.8	0.02	0.12	0.10	1.8	SW
2/9/2024 08:21:00	5.3	9.1	3.8	0.02	0.12	0.10	1.9	WSW
2/9/2024 08:22:00	5.4	9.2	3.9	0.02	0.10	0.09	1.9	SW
2/9/2024 08:23:00	5.3	9.4	4.1	0.02	0.10	0.08	1.9	SSE
2/9/2024 08:24:00	5.3	8.9	3.6	0.02	0.08	0.06	1.9	W
2/9/2024 08:25:00	5.5	7.2	1.7	0.02	0.08	0.06	1.9	W
2/9/2024 08:26:00	5.4	6.2	0.8	0.02	0.07	0.05	1.9	WSW
2/9/2024 08:27:00	5.3	6.1	0.8	0.02	0.06	0.04	1.9	W
2/9/2024 08:28:00	5.1	6.1	1.0	0.02	0.05	0.03	2.0	W
2/9/2024 08:29:00	5.1	6.1	1.1	0.02	0.05	0.03	2.0	W
2/9/2024 08:30:00	5.1	6.3	1.1	0.02	0.04	0.02	2.0	WSW
2/9/2024 08:31:00	5.2	6.3	1.2	0.02	0.04	0.02	2.0	WNW
2/9/2024 08:32:00	5.2	6.3	1.1	0.02	0.03	0.01	2.0	WSW
2/9/2024 08:33:00	5.2	6.3	1.1	0.02	0.03	0.01	1.9	WSW
2/9/2024 08:34:00	5.4	6.3	0.9	0.02	0.03	0.00	1.8	SW
2/9/2024 08:35:00	5.5	6.3	0.7	0.02	0.03	0.00	1.9	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 08:36:00	5.7	6.4	0.7	0.02	0.03	0.00	1.8	W
2/9/2024 08:37:00	5.6	6.3	0.7	0.02	0.02	0.00	1.9	W
2/9/2024 08:38:00	5.6	6.1	0.5	0.03	0.02	0.00	2.0	WSW
2/9/2024 08:39:00	5.5	5.9	0.4	0.03	0.02	0.00	2.1	W
2/9/2024 08:40:00	5.3	5.8	0.5	0.03	0.02	0.00	2.2	W
2/9/2024 08:41:00	5.4	6.0	0.7	0.03	0.02	0.00	2.4	W
2/9/2024 08:42:00	5.6	6.1	0.5	0.03	0.02	-0.01	2.3	SW
2/9/2024 08:43:00	5.7	6.3	0.6	0.03	0.02	-0.01	2.3	WSW
2/9/2024 08:44:00	5.8	6.4	0.6	0.03	0.02	-0.01	2.3	WSW
2/9/2024 08:45:00	6.0	6.4	0.5	0.03	0.02	-0.01	2.4	WSW
2/9/2024 08:46:00	6.1	6.4	0.3	0.02	0.01	-0.01	2.4	WSW
2/9/2024 08:47:00	6.3	6.4	0.1	0.02	0.01	-0.01	2.4	WSW
2/9/2024 08:48:00	6.4	6.3	-0.2	0.02	0.01	-0.01	2.4	SSW
2/9/2024 08:49:00	6.2	6.1	-0.1	0.02	0.02	-0.01	2.4	WSW
2/9/2024 08:50:00	6.0	5.9	-0.1	0.02	0.01	-0.01	2.4	W
2/9/2024 08:51:00	5.7	5.7	0.0	0.02	0.01	-0.01	2.4	SW
2/9/2024 08:52:00	5.7	5.7	0.1	0.02	0.01	-0.01	2.3	WSW
2/9/2024 08:53:00	5.6	5.8	0.2	0.02	0.01	-0.01	2.3	WSW
2/9/2024 08:54:00	5.6	6.0	0.4	0.02	0.01	-0.01	2.5	W
2/9/2024 08:55:00	5.7	6.1	0.4	0.02	0.01	-0.01	2.4	W
2/9/2024 08:56:00	5.5	5.7	0.2	0.02	0.01	-0.01	2.3	WSW
2/9/2024 08:57:00	5.2	5.6	0.4	0.02	0.01	-0.01	2.3	S
2/9/2024 08:58:00	5.3	5.4	0.1	0.02	0.01	-0.01	2.3	ENE
2/9/2024 08:59:00	5.3	5.3	0.0	0.02	0.01	-0.01	2.2	WSW
2/9/2024 09:00:00	5.4	5.2	-0.2	0.02	0.01	-0.01	2.2	WSW
2/9/2024 09:01:00	5.3	5.1	-0.2	0.02	0.01	-0.01	2.3	W
2/9/2024 09:02:00	5.2	5.1	-0.1	0.02	0.01	-0.01	2.3	WSW
2/9/2024 09:03:00	5.1	5.1	0.0	0.02	0.01	-0.01	2.3	SSW
2/9/2024 09:04:00	5.2	5.1	-0.1	0.02	0.01	-0.01	2.3	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
2/9/2024 09:05:00	5.3	5.1	-0.3	0.02	0.01	-0.01	2.3	WSW
2/9/2024 09:06:00	5.4	5.0	-0.4	0.02	0.01	-0.01	2.3	WSW
2/9/2024 09:07:00	5.5	4.9	-0.6	0.01	0.01	-0.01	2.5	WSW
2/9/2024 09:08:00	5.6	4.8	-0.8	0.01	0.01	-0.01	2.6	W
2/9/2024 09:09:00	5.6	4.6	-1.0	0.01	0.01	-0.01	2.4	SW
2/9/2024 09:10:00	6.2	4.4	-1.8	0.01	0.01	-0.01	2.5	W
2/9/2024 09:11:00	6.6	4.4	-2.2	0.01	0.01	-0.01	2.5	WSW
2/9/2024 09:12:00	6.7	4.3	-2.4	0.01	0.01	-0.01	2.6	WSW
2/9/2024 09:13:00	6.7	4.3	-2.4	0.01	0.01	-0.01	2.6	WSW
2/9/2024 09:14:00	6.6	4.2	-2.4	0.01	0.00	-0.01	2.7	W
2/9/2024 09:15:00	6.3	4.0	-2.2	0.01	0.00	-0.01	2.6	WSW
2/9/2024 09:16:00	6.0	4.0	-2.1	0.01	0.00	-0.01	2.6	WSW
2/9/2024 09:17:00	5.9	4.0	-1.9	0.01	0.00	-0.01	2.7	W
2/9/2024 09:18:00	5.8	4.0	-1.8	0.01	0.00	-0.01	2.7	W
2/9/2024 09:19:00	5.8	4.1	-1.7	0.01	0.00	-0.01	2.8	SW
2/9/2024 09:20:00	5.8	4.2	-1.6	0.01	0.00	-0.01	2.7	SW
2/9/2024 09:21:00	5.7	4.3	-1.4	0.01	0.00	-0.01	2.8	W
2/9/2024 09:22:00	5.6	4.4	-1.2	0.01	0.00	-0.01	2.7	WSW
2/9/2024 09:23:00	5.7	4.5	-1.2	0.01	0.00	-0.01	2.7	W
2/9/2024 09:24:00	5.8	4.6	-1.1	0.01	0.00	-0.01	2.6	W
2/9/2024 09:25:00	5.3	4.7	-0.5	0.01	0.00	-0.01	2.5	SW
2/9/2024 09:26:00	5.0	4.7	-0.3	0.01	0.00	-0.01	2.5	WSW
2/9/2024 09:27:00	4.9	4.6	-0.3	0.01	0.00	-0.01	2.4	WSW
2/9/2024 09:28:00	4.8	4.6	-0.3	0.01	0.00	-0.01	2.5	WSW
2/9/2024 09:29:00	4.8	4.5	-0.3	0.01	0.00	-0.01	2.4	S
2/9/2024 09:30:00	4.8	4.5	-0.3	0.01	0.00	-0.01	2.4	WSW
2/9/2024 09:31:00	5.0	4.5	-0.5	0.01	0.00	-0.01	2.3	WSW
2/9/2024 09:32:00	5.0	4.5	-0.5	0.01	0.00	-0.01	2.1	SW
2/9/2024 09:33:00	4.9	4.4	-0.5	0.01	0.00	-0.01	2.0	W

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 09:34:00	4.7	4.3	-0.4	0.01	0.00	-0.01	2.0	SSW
2/9/2024 09:35:00	4.7	4.3	-0.4	0.01	0.00	-0.01	2.0	SW
2/9/2024 09:36:00	4.8	4.3	-0.4	0.01	0.00	-0.01	1.9	WSW
2/9/2024 09:37:00	4.8	4.3	-0.5	0.01	0.00	-0.01	1.9	WSW
2/9/2024 09:38:00	4.7	4.3	-0.3	0.01	0.00	-0.01	1.7	SSE
2/9/2024 09:39:00	4.6	4.3	-0.3	0.01	0.00	-0.01	1.7	SW
2/9/2024 09:40:00	4.4	4.3	-0.2	0.01	0.00	-0.01	1.7	W
2/9/2024 09:41:00	4.4	4.4	0.0	0.01	0.00	-0.01	1.7	SW
2/9/2024 09:42:00	4.4	4.5	0.1	0.01	0.00	-0.01	1.6	W
2/9/2024 09:43:00	4.4	4.8	0.4	0.01	0.00	-0.01	1.7	WSW
2/9/2024 09:44:00	4.5	5.2	0.7	0.01	0.00	-0.01	1.6	S
2/9/2024 09:45:00	4.6	5.4	0.8	0.01	0.00	-0.01	1.6	WSW
2/9/2024 09:46:00	4.5	5.5	1.0	0.01	0.00	-0.01	1.7	WSW
2/9/2024 09:47:00	4.6	5.7	1.1	0.01	0.00	-0.01	1.8	SW
2/9/2024 09:48:00	4.7	5.8	1.2	0.01	0.00	-0.01	1.8	W
2/9/2024 09:49:00	4.7	6.0	1.3	0.01	0.00	-0.01	1.8	S
2/9/2024 09:50:00	4.6	6.1	1.5	0.01	0.00	-0.01	1.8	SW
2/9/2024 09:51:00	4.6	6.1	1.6	0.01	0.00	-0.01	1.7	WSW
2/9/2024 09:52:00	4.7	6.3	1.6	0.01	0.00	-0.01	1.7	WSW
2/9/2024 09:53:00	4.8	6.4	1.6	0.01	0.00	-0.01	1.8	W
2/9/2024 09:54:00	4.9	6.4	1.5	0.01	0.00	-0.01	1.8	SW
2/9/2024 09:55:00	4.9	7.4	2.5	0.01	0.00	-0.01	1.8	WSW
2/9/2024 09:56:00	5.4	7.8	2.4	0.01	0.00	-0.01	1.8	WSW
2/9/2024 09:57:00	5.5	7.8	2.3	0.01	0.00	-0.01	1.8	WSW
2/9/2024 09:58:00	5.6	7.8	2.1	0.01	0.00	-0.01	1.7	SSE
2/9/2024 09:59:00	5.8	7.8	2.1	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:00:00	5.9	8.3	2.4	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:01:00	6.1	8.4	2.2	0.01	0.00	-0.01	1.9	W
2/9/2024 10:02:00	6.3	8.3	2.0	0.01	0.00	-0.01	1.8	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
2/9/2024 10:03:00	6.4	8.2	1.8	0.01	0.00	-0.01	1.9	W
2/9/2024 10:04:00	6.5	8.0	1.4	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:05:00	6.7	7.9	1.2	0.01	0.00	-0.01	2.0	S
2/9/2024 10:06:00	6.7	7.8	1.1	0.01	0.00	-0.01	2.0	SW
2/9/2024 10:07:00	6.7	7.5	0.8	0.01	0.00	-0.01	2.1	W
2/9/2024 10:08:00	6.7	7.4	0.8	0.01	0.00	-0.01	2.0	SW
2/9/2024 10:09:00	6.6	7.3	0.8	0.01	0.00	-0.01	2.1	W
2/9/2024 10:10:00	6.5	6.4	-0.2	0.01	0.00	-0.01	2.2	W
2/9/2024 10:11:00	6.2	5.9	-0.3	0.01	0.00	-0.01	2.2	WSW
2/9/2024 10:12:00	6.2	5.9	-0.3	0.01	0.00	-0.01	2.2	WSW
2/9/2024 10:13:00	6.1	5.8	-0.4	0.01	0.00	-0.01	2.2	SSW
2/9/2024 10:14:00	6.0	5.5	-0.6	0.01	0.00	-0.01	2.2	WSW
2/9/2024 10:15:00	5.9	5.0	-0.9	0.01	0.00	-0.01	2.1	WSW
2/9/2024 10:16:00	5.7	5.0	-0.7	0.01	0.00	-0.01	2.1	W
2/9/2024 10:17:00	5.8	5.1	-0.7	0.01	0.00	-0.01	2.1	W
2/9/2024 10:18:00	5.8	5.2	-0.7	0.01	0.00	-0.01	2.1	W
2/9/2024 10:19:00	5.8	5.3	-0.6	0.01	0.00	-0.01	2.0	S
2/9/2024 10:20:00	5.8	5.3	-0.5	0.01	0.00	-0.01	2.1	W
2/9/2024 10:21:00	5.8	5.3	-0.5	0.01	0.00	-0.01	2.1	WSW
2/9/2024 10:22:00	5.8	5.3	-0.4	0.01	0.00	-0.01	2.0	SW
2/9/2024 10:23:00	5.8	5.3	-0.5	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:24:00	5.7	5.2	-0.6	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:25:00	5.6	5.0	-0.6	0.01	0.00	-0.01	1.9	S
2/9/2024 10:26:00	5.5	5.2	-0.3	0.01	0.00	-0.01	2.0	W
2/9/2024 10:27:00	5.7	5.4	-0.3	0.01	0.00	-0.01	1.9	W
2/9/2024 10:28:00	5.7	5.5	-0.2	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:29:00	5.6	5.5	-0.2	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:30:00	5.6	5.4	-0.3	0.01	0.00	-0.01	2.0	SW
2/9/2024 10:31:00	5.6	5.3	-0.3	0.01	0.00	-0.01	1.9	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 10:32:00	5.3	5.2	-0.1	0.01	0.00	-0.01	2.0	WSW
2/9/2024 10:33:00	5.2	5.1	-0.1	0.01	0.00	-0.01	1.8	SSE
2/9/2024 10:34:00	5.0	5.0	-0.1	0.01	0.00	-0.01	1.8	SW
2/9/2024 10:35:00	5.0	5.0	0.0	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:36:00	4.9	4.9	0.0	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:37:00	4.9	5.0	0.1	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:38:00	4.9	5.0	0.2	0.01	0.00	-0.01	1.7	SSE
2/9/2024 10:39:00	4.9	5.2	0.3	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:40:00	5.0	5.3	0.4	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:41:00	5.1	5.2	0.1	0.01	0.00	-0.01	1.6	WSW
2/9/2024 10:42:00	4.9	5.2	0.3	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:43:00	4.8	5.3	0.5	0.01	0.00	-0.01	1.6	SSW
2/9/2024 10:44:00	4.8	5.3	0.5	0.01	0.00	-0.01	1.6	WSW
2/9/2024 10:45:00	4.8	5.5	0.7	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:46:00	4.8	5.4	0.6	0.01	0.00	-0.01	1.7	WSW
2/9/2024 10:47:00	4.8	5.5	0.7	0.01	0.00	-0.01	1.6	WSW
2/9/2024 10:48:00	4.8	5.5	0.7	0.01	0.00	-0.01	1.6	W
2/9/2024 10:49:00	4.9	5.6	0.7	0.01	0.00	-0.01	1.7	W
2/9/2024 10:50:00	5.1	5.6	0.6	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:51:00	5.2	5.7	0.5	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:52:00	5.3	5.9	0.7	0.01	0.00	-0.01	1.9	SW
2/9/2024 10:53:00	5.5	6.1	0.7	0.01	0.00	-0.01	1.9	WSW
2/9/2024 10:54:00	5.7	6.2	0.6	0.01	0.00	-0.01	2.0	W
2/9/2024 10:55:00	5.8	6.3	0.6	0.01	0.00	-0.01	2.0	W
2/9/2024 10:56:00	5.8	6.5	0.8	0.01	0.00	-0.01	1.9	SE
2/9/2024 10:57:00	5.9	6.5	0.6	0.01	0.00	-0.01	1.8	WSW
2/9/2024 10:58:00	5.9	6.4	0.5	0.01	0.00	-0.01	1.8	SSW
2/9/2024 10:59:00	6.0	6.2	0.3	0.01	0.00	-0.01	1.7	SSW
2/9/2024 11:00:00	6.0	6.1	0.1	0.01	0.00	-0.01	1.6	SSE

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 11:01:00	6.1	6.1	0.0	0.01	0.00	-0.01	1.5	SSE
2/9/2024 11:02:00	6.2	6.1	0.0	0.01	0.00	-0.01	1.5	WSW
2/9/2024 11:03:00				0.01	0.00	-0.01	1.5	WSW
2/9/2024 11:04:00				0.01	0.00	-0.01	1.4	SW
2/9/2024 11:05:00				0.01	0.00	-0.01	1.4	SW
2/9/2024 11:06:00	7.3	22.4	15.1	0.01	0.00	-0.01	1.3	W
2/9/2024 11:07:00	13.7	15.9	2.2	0.01	0.00	-0.01	1.3	ESE
2/9/2024 11:08:00	12.8	15.8	2.9	0.01	0.00	-0.01	1.1	SW
2/9/2024 11:09:00	12.6	15.2	2.6	0.01	0.00	-0.01	1.0	SSE
2/9/2024 11:10:00	11.9	14.6	2.7	0.01	0.00	-0.01	1.0	SSW
2/9/2024 11:11:00	11.2	14.0	2.8	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:12:00	10.5	13.6	3.1	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:13:00	10.0	13.2	3.2	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:14:00	9.8	13.0	3.3	0.01	0.00	-0.01	1.1	SSW
2/9/2024 11:15:00	9.7	12.8	3.1	0.01	0.00	-0.01	1.1	SSW
2/9/2024 11:16:00	9.7	12.8	3.1	0.01	0.00	-0.01	1.1	SW
2/9/2024 11:17:00	10.0	13.2	3.1	0.01	0.00	-0.01	1.1	SW
2/9/2024 11:18:00	10.5	13.6	3.1	0.01	0.00	-0.01	1.0	W
2/9/2024 11:19:00	11.1	13.9	2.8	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:20:00	11.6	14.2	2.6	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:21:00	12.2	13.9	1.7	0.01	0.00	-0.01	0.9	SSW
2/9/2024 11:22:00	12.1	14.5	2.4	0.01	0.00	-0.01	0.9	WSW
2/9/2024 11:23:00	12.5	14.6	2.0	0.01	0.00	-0.01	0.9	SW
2/9/2024 11:24:00	12.9	14.7	1.9	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:25:00	13.3	15.2	1.9	0.01	0.00	-0.01	1.0	SW
2/9/2024 11:26:00	14.1	15.9	1.7	0.01	0.00	-0.01	1.0	WSW
2/9/2024 11:27:00	15.1	16.5	1.4	0.01	0.00	-0.01	1.1	W
2/9/2024 11:28:00	16.1	17.3	1.2	0.02	0.00	-0.02	1.2	WSW
2/9/2024 11:29:00	17.1	17.9	0.7	0.02	0.00	-0.02	1.1	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 11:30:00	18.0	18.8	0.7	0.02	0.00	-0.02	1.1	SSE
2/9/2024 11:31:00	18.9	19.6	0.7	0.02	0.00	-0.02	1.1	SSW
2/9/2024 11:32:00	19.6	19.9	0.3	0.02	0.00	-0.02	1.2	WSW
2/9/2024 11:33:00	20.1	20.1	0.0	0.02	0.00	-0.02	1.3	W
2/9/2024 11:34:00	20.3	20.8	0.5	0.02	0.00	-0.02	1.3	SSW
2/9/2024 11:35:00	20.9	21.4	0.5	0.02	0.00	-0.02	1.3	W
2/9/2024 11:36:00	22.0	21.7	-0.3	0.02	0.00	-0.02	1.3	WSW
2/9/2024 11:37:00	22.8	22.8	0.0	0.02	0.00	-0.02	1.3	SW
2/9/2024 11:38:00	23.5	23.8	0.3	0.02	0.00	-0.02	1.4	WSW
2/9/2024 11:39:00	24.0	24.6	0.6	0.02	0.00	-0.02	1.4	WSW
2/9/2024 11:40:00	24.6	25.4	0.8	0.02	0.00	-0.02	1.4	WSW
2/9/2024 11:41:00	24.9	25.5	0.6	0.02	0.00	-0.02	1.3	SW
2/9/2024 11:42:00	24.7	25.3	0.6	0.02	0.00	-0.02	1.3	SW
2/9/2024 11:43:00	24.4	24.8	0.4	0.02	0.00	-0.02	1.3	SSW
2/9/2024 11:44:00	23.5	24.3	0.8	0.02	0.00	-0.02	1.4	WSW
2/9/2024 11:45:00	22.8	23.5	0.7	0.02	0.00	-0.02	1.4	WSW
2/9/2024 11:46:00	21.9	22.6	0.7	0.02	0.00	-0.02	1.5	WSW
2/9/2024 11:47:00	21.0	22.0	1.0	0.02	0.00	-0.01	1.4	SW
2/9/2024 11:48:00	20.1	21.2	1.0	0.02	0.00	-0.01	1.4	WSW
2/9/2024 11:49:00	19.4	20.0	0.6	0.02	0.00	-0.01	1.4	SW
2/9/2024 11:50:00	18.3	18.9	0.6	0.01	0.00	-0.01	1.4	SSW
2/9/2024 11:51:00	16.7	18.1	1.4	0.01	0.00	-0.01	1.4	S
2/9/2024 11:52:00	15.5	16.7	1.2	0.01	0.00	-0.01	1.4	WSW
2/9/2024 11:53:00	14.3	15.4	1.1	0.01	0.00	-0.01	1.5	WSW
2/9/2024 11:54:00	13.4	14.3	0.9	0.01	0.00	-0.01	1.5	W
2/9/2024 11:55:00	12.6	13.1	0.5	0.01	0.00	-0.01	1.6	WSW
2/9/2024 11:56:00	12.0	12.5	0.5	0.01	0.00	-0.01	1.7	WSW
2/9/2024 11:57:00	11.5	11.9	0.5	0.01	0.00	-0.01	1.8	W
2/9/2024 11:58:00	11.0	11.6	0.6	0.01	0.00	-0.01	1.8	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
2/9/2024 11:59:00	10.8	11.4	0.6	0.02	0.00	-0.02	1.7	SW
2/9/2024 12:00:00	10.7	11.1	0.5	0.02	0.00	-0.01	1.7	NNE
2/9/2024 12:01:00	10.4	10.9	0.6	0.02	0.00	-0.02	1.7	SW
2/9/2024 12:02:00	10.2	10.7	0.5	0.02	0.00	-0.02	1.7	SW
2/9/2024 12:03:00	10.1	10.7	0.6	0.03	0.00	-0.02	1.6	W
2/9/2024 12:04:00	10.0	10.7	0.7	0.03	0.00	-0.02	1.6	SW
2/9/2024 12:05:00	9.8	10.5	0.8	0.02	0.00	-0.02	1.7	WSW
2/9/2024 12:06:00	9.4	10.3	0.9	0.02	0.00	-0.02	1.7	WSW
2/9/2024 12:07:00	9.1	10.1	1.1	0.02	0.00	-0.02	1.7	W
2/9/2024 12:08:00	8.9	9.7	0.8	0.02	0.01	-0.02	1.6	E
2/9/2024 12:09:00	8.5	9.4	0.9	0.02	0.01	-0.02	1.6	WSW
2/9/2024 12:10:00	8.1	9.0	0.9	0.02	0.01	-0.02	1.5	WSW
2/9/2024 12:11:00	7.5	8.6	1.1	0.02	0.01	-0.02	1.4	WSW
2/9/2024 12:12:00	7.1	8.5	1.4	0.02	0.01	-0.02	1.4	W
2/9/2024 12:13:00	7.0	8.4	1.4	0.02	0.01	-0.01	1.4	W
2/9/2024 12:14:00	6.8	8.3	1.5	0.01	0.01	-0.01	1.4	WSW
2/9/2024 12:15:00	6.7	8.3	1.6	0.01	0.00	-0.01	1.5	SW
2/9/2024 12:16:00	6.6	8.1	1.5	0.01	0.00	-0.01	1.5	WSW
2/9/2024 12:17:00	6.4	8.1	1.6	0.01	0.00	-0.01	1.6	W
2/9/2024 12:18:00	6.2	7.8	1.6	0.01	0.00	-0.01	1.7	WSW
2/9/2024 12:19:00	6.0	7.6	1.6	0.01	0.00	-0.01	1.7	SSW
2/9/2024 12:20:00	5.8	7.5	1.7	0.01	0.00	-0.01	1.8	WSW
2/9/2024 12:21:00	5.8	7.4	1.6	0.01	0.00	-0.01	1.8	SW
2/9/2024 12:22:00	5.6	7.2	1.6	0.01	0.00	-0.01	1.9	WSW
2/9/2024 12:23:00	5.4	7.2	1.8	0.01	0.00	-0.01	2.0	W
2/9/2024 12:24:00	5.3	7.1	1.8	0.01	0.00	-0.01	2.0	SSW
2/9/2024 12:25:00	5.3	7.1	1.8	0.01	0.00	-0.01	2.0	WSW
2/9/2024 12:26:00	5.2	7.1	1.9	0.01	0.00	-0.01	2.1	W
2/9/2024 12:27:00	5.2	7.1	1.9	0.01	0.00	-0.01	2.1	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
2/9/2024 12:28:00	5.2	7.1	1.9	0.01	0.00	-0.01	2.1	WSW
2/9/2024 12:29:00	5.2	7.0	1.9	0.01	0.00	-0.01	2.1	SW
2/9/2024 12:30:00	5.2	7.2	2.0	0.02	0.01	-0.01	2.0	SW
2/9/2024 12:31:00	5.3	7.4	2.1	0.02	0.01	-0.01	2.1	WSW
2/9/2024 12:32:00	5.4	7.7	2.3	0.02	0.01	-0.01	1.9	SSW
2/9/2024 12:33:00	5.7	8.3	2.6	0.02	0.01	-0.01	1.8	WSW
2/9/2024 12:34:00	6.3	8.5	2.2	0.02	0.01	-0.01	1.8	ESE
2/9/2024 12:35:00	7.1	9.1	2.0	0.02	0.01	-0.01	1.7	S
2/9/2024 12:36:00	8.1	9.8	1.6	0.02	0.01	-0.01	1.7	W
2/9/2024 12:37:00	9.0	10.4	1.4	0.02	0.01	-0.01	1.6	S
2/9/2024 12:38:00	9.8	11.2	1.4	0.02	0.01	-0.02	1.4	SW
2/9/2024 12:39:00	10.7	12.1	1.3	0.02	0.01	-0.02	1.4	SW
2/9/2024 12:40:00	11.7	12.7	1.0	0.03	0.01	-0.02	1.3	SW
2/9/2024 12:41:00	13.2	13.6	0.5	0.03	0.01	-0.02	1.2	SE
2/9/2024 12:42:00	14.3	15.3	1.0	0.03	0.01	-0.02	1.1	S
2/9/2024 12:43:00	16.1	16.4	0.4	0.03	0.01	-0.02	1.0	SE
2/9/2024 12:44:00	17.9	18.4	0.5	0.02	0.01	-0.02	1.0	S
2/9/2024 12:45:00	19.2	20.9	1.7	0.02	0.00	-0.01	1.0	S
2/9/2024 12:46:00	20.4	22.3	1.8	0.01	0.00	-0.01	0.9	SSW
2/9/2024 12:47:00	21.4	23.2	1.9	0.01	0.00	-0.01	0.9	SSE
2/9/2024 12:48:00	22.4	25.0	2.6	0.01	0.00	-0.01	0.9	S
2/9/2024 12:49:00	23.1	28.2	5.0	0.02	0.00	-0.01	0.9	SSW
2/9/2024 12:50:00	24.0	31.2	7.2	0.02	0.00	-0.01	0.9	WSW
2/9/2024 12:51:00	24.8	34.4	9.7	0.02	0.00	-0.01	0.9	SSW
2/9/2024 12:52:00	25.8	36.1	10.3	0.02	0.00	-0.01	0.9	WSW
2/9/2024 12:53:00	26.1	37.2	11.1	0.02	0.00	-0.01	0.9	SSW
2/9/2024 12:54:00	26.2	39.0	12.7	0.02	0.00	-0.01	0.9	WSW
2/9/2024 12:55:00	26.8	40.4	13.6	0.02	0.00	-0.01	0.9	WSW
2/9/2024 12:56:00	26.8	41.9	15.0	0.02	0.01	-0.02	0.9	SSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 12:57:00	27.1	41.8	14.7	0.02	0.01	-0.01	0.9	SW
2/9/2024 12:58:00	26.5	41.7	15.2	0.02	0.01	-0.02	0.9	S
2/9/2024 12:59:00	25.9	40.7	14.8	0.02	0.01	-0.01	0.9	ESE
2/9/2024 13:00:00	25.4	39.0	13.6	0.02	0.01	-0.01	1.0	SW
2/9/2024 13:01:00	24.9	38.3	13.3	0.02	0.01	-0.01	1.0	WSW
2/9/2024 13:02:00	24.9	37.8	12.8	0.02	0.01	-0.01	1.0	S
2/9/2024 13:03:00	24.9	36.9	12.0	0.02	0.01	-0.01	1.0	WSW
2/9/2024 13:04:00	25.0	35.3	10.3	0.02	0.01	-0.01	1.1	WSW
2/9/2024 13:05:00	25.1	32.9	7.8	0.02	0.01	-0.01	1.1	SSW
2/9/2024 13:06:00	26.1	30.6	4.5	0.02	0.01	-0.01	1.1	SW
2/9/2024 13:07:00	26.6	29.4	2.8	0.02	0.01	-0.01	1.1	WNW
2/9/2024 13:08:00	27.8	28.7	0.9	0.02	0.01	-0.01	1.1	SSW
2/9/2024 13:09:00	29.6	27.5	-2.1	0.02	0.01	-0.01	1.2	SSW
2/9/2024 13:10:00	29.7	27.1	-2.6	0.02	0.01	-0.01	1.2	SW
2/9/2024 13:11:00	29.6	25.8	-3.8	0.02	0.00	-0.01	1.3	WSW
2/9/2024 13:12:00	29.5	25.6	-3.9	0.02	0.00	-0.02	1.3	W
2/9/2024 13:13:00	30.1	26.0	-4.0	0.02	0.00	-0.01	1.2	S
2/9/2024 13:14:00	30.5	26.7	-3.8	0.02	0.00	-0.02	1.2	WSW
2/9/2024 13:15:00	31.5	27.1	-4.4	0.02	0.00	-0.02	1.2	WSW
2/9/2024 13:16:00	32.6	27.8	-4.8	0.02	0.00	-0.02	1.3	WSW
2/9/2024 13:17:00	34.1	28.2	-5.9	0.02	0.00	-0.02	1.3	WSW
2/9/2024 13:18:00	34.7	27.9	-6.8	0.02	0.00	-0.02	1.3	W
2/9/2024 13:19:00	35.0	27.3	-7.7	0.02	0.00	-0.02	1.2	S
2/9/2024 13:20:00	35.0	27.4	-7.6	0.02	0.00	-0.02	1.3	WSW
2/9/2024 13:21:00	33.6	27.0	-6.6	0.02	0.00	-0.02	1.2	W
2/9/2024 13:22:00	32.5	26.9	-5.5	0.02	0.00	-0.02	1.2	W
2/9/2024 13:23:00	31.4	26.8	-4.6	0.01	0.00	-0.01	1.3	W
2/9/2024 13:24:00	30.1	27.1	-3.0	0.01	0.00	-0.01	1.3	S
2/9/2024 13:25:00	30.0	27.8	-2.2	0.01	0.00	-0.01	1.2	WSW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 13:26:00	30.4	29.5	-0.9	0.01	0.00	-0.01	1.2	WSW
2/9/2024 13:27:00	30.9	29.8	-1.1	0.01	0.00	-0.01	1.2	S
2/9/2024 13:28:00	30.9	29.7	-1.2	0.01	0.00	-0.01	1.3	SW
2/9/2024 13:29:00	30.7	29.6	-1.1	0.01	0.00	-0.01	1.3	SSW
2/9/2024 13:30:00	30.3	29.8	-0.5	0.02	0.00	-0.01	1.3	SSW
2/9/2024 13:31:00	29.9	30.4	0.5	0.02	0.00	-0.01	1.3	WSW
2/9/2024 13:32:00	29.2	31.3	2.1	0.02	0.00	-0.01	1.3	WSW
2/9/2024 13:33:00	28.9	32.3	3.4	0.02	0.00	-0.01	1.4	W
2/9/2024 13:34:00	28.9	32.7	3.7	0.02	0.00	-0.01	1.4	W
2/9/2024 13:35:00	28.9	32.7	3.9	0.02	0.00	-0.01	1.5	WNW
2/9/2024 13:36:00	29.0	32.9	3.9	0.02	0.00	-0.01	1.5	SSE
2/9/2024 13:37:00	29.0	32.8	3.8	0.02	0.00	-0.01	1.5	SW
2/9/2024 13:38:00	29.3	32.8	3.5	0.02	0.00	-0.01	1.4	SW
2/9/2024 13:39:00	29.4	32.5	3.1	0.02	0.00	-0.01	1.4	W
2/9/2024 13:40:00	29.2	31.4	2.1	0.01	0.00	-0.01	1.4	W
2/9/2024 13:41:00	29.1	30.1	0.9	0.01	0.00	-0.01	1.4	W
2/9/2024 13:42:00	29.1	30.1	0.9	0.01	0.00	-0.01	1.5	WSW
2/9/2024 13:43:00	29.3	30.4	1.1	0.01	0.00	-0.01	1.5	SW
2/9/2024 13:44:00	29.4	30.3	0.9	0.01	0.00	-0.01	1.5	SW
2/9/2024 13:45:00	29.4	30.0	0.6	0.01	0.00	-0.01	1.4	W
2/9/2024 13:46:00	29.3	29.2	-0.2	0.01	0.00	-0.01	1.4	WSW
2/9/2024 13:47:00	29.1	28.3	-0.8	0.01	0.00	-0.01	1.4	SW
2/9/2024 13:48:00	29.0	27.4	-1.6	0.01	0.00	-0.01	1.3	SW
2/9/2024 13:49:00	28.9	27.2	-1.6	0.01	0.00	-0.01	1.3	W
2/9/2024 13:50:00	28.6	26.9	-1.7	0.01	0.00	-0.01	1.2	SW
2/9/2024 13:51:00	28.6	26.8	-1.8	0.01	0.00	-0.01	1.2	WSW
2/9/2024 13:52:00	29.2	27.7	-1.5	0.01	0.00	-0.01	1.3	W
2/9/2024 13:53:00	29.7	29.1	-0.6	0.01	0.00	-0.01	1.3	W
2/9/2024 13:54:00	29.7	29.5	-0.2	0.01	0.00	-0.01	1.3	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
2/9/2024 13:55:00	29.3	29.8	0.5	0.01	0.01	-0.01	1.3	ESE
2/9/2024 13:56:00	28.8	29.2	0.3	0.01	0.01	0.00	1.3	E
2/9/2024 13:57:00	28.6	28.6	0.0	0.01	0.01	0.00	1.2	WSW
2/9/2024 13:58:00	28.5	27.8	-0.7	0.01	0.01	0.00	1.2	W
2/9/2024 13:59:00	28.8	27.3	-1.4	0.01	0.01	0.00	1.2	W
2/9/2024 14:00:00	29.5	26.9	-2.7	0.01	0.01	0.00	1.2	WNW
2/9/2024 14:01:00	28.8	27.3	-1.5	0.01	0.01	0.00	1.1	ENE
2/9/2024 14:02:00	28.7	26.9	-1.8	0.01	0.01	0.00	1.2	W
2/9/2024 14:03:00	28.7	27.0	-1.7	0.01	0.01	0.00	1.2	WNW
2/9/2024 14:04:00	28.3	27.3	-1.0	0.02	0.01	0.00	1.2	N
2/9/2024 14:05:00	28.2	27.7	-0.4	0.02	0.01	0.00	1.2	ENE
2/9/2024 14:06:00	27.8	27.2	-0.6	0.02	0.01	-0.01	1.1	NW
2/9/2024 14:07:00	26.9	26.9	0.0	0.02	0.02	0.00	1.1	N
2/9/2024 14:08:00	25.1	25.8	0.7	0.02	0.02	0.00	1.2	NNE
2/9/2024 14:09:00	24.7	24.2	-0.5	0.02	0.01	0.00	1.2	NW
2/9/2024 14:10:00	23.9	23.6	-0.3	0.02	0.01	0.00	1.1	ENE
2/9/2024 14:11:00	22.9	24.7	1.8	0.02	0.01	-0.01	1.1	NE
2/9/2024 14:12:00	21.5	25.0	3.5	0.02	0.02	0.00	1.2	ENE
2/9/2024 14:13:00	21.5	24.4	3.0	0.02	0.02	0.00	1.2	W
2/9/2024 14:14:00	20.4	23.8	3.4	0.02	0.02	0.00	1.2	SW
2/9/2024 14:15:00	19.2	23.1	4.0	0.02	0.03	0.01	1.2	SW
2/9/2024 14:16:00	19.9	21.6	1.8	0.02	0.04	0.01	1.2	WNW
2/9/2024 14:17:00	20.6	21.0	0.4	0.02	0.05	0.02	1.2	W
2/9/2024 14:18:00	19.7	19.8	0.1	0.02	0.05	0.03	1.2	W
2/9/2024 14:19:00	18.8	18.4	-0.4	0.02	0.05	0.03	1.3	W
2/9/2024 14:20:00	18.0	17.1	-0.9	0.02	0.06	0.04	1.4	W
2/9/2024 14:21:00	17.2	16.5	-0.7	0.02	0.06	0.05	1.4	WSW
2/9/2024 14:22:00	16.8	15.2	-1.6	0.02	0.07	0.05	1.5	W
2/9/2024 14:23:00	17.0	14.2	-2.8	0.02	0.07	0.05	1.5	SW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 14:24:00	16.2	14.6	-1.6	0.02	0.07	0.05	1.5	ESE
2/9/2024 14:25:00	16.4	13.9	-2.6	0.02	0.07	0.05	1.5	W
2/9/2024 14:26:00	16.7	12.1	-4.6	0.03	0.07	0.05	1.5	ESE
2/9/2024 14:27:00	16.8	10.9	-5.9	0.03	0.07	0.04	1.4	SE
2/9/2024 14:28:00	15.2	10.5	-4.7	0.03	0.07	0.04	1.4	W
2/9/2024 14:29:00	14.6	10.3	-4.3	0.03	0.07	0.04	1.3	E
2/9/2024 14:30:00	14.0	10.5	-3.6	0.03	0.06	0.04	1.4	NNE
2/9/2024 14:31:00	13.5	10.7	-2.8	0.02	0.05	0.03	1.4	WSW
2/9/2024 14:32:00	12.1	10.8	-1.3	0.02	0.04	0.02	1.4	SW
2/9/2024 14:33:00	11.9	11.1	-0.8	0.02	0.04	0.01	1.3	ENE
2/9/2024 14:34:00	12.5	11.7	-0.8	0.02	0.03	0.01	1.3	WSW
2/9/2024 14:35:00	13.4	12.3	-1.1	0.02	0.03	0.01	1.2	WSW
2/9/2024 14:36:00	14.7	13.3	-1.4	0.02	0.02	0.00	1.2	W
2/9/2024 14:37:00	16.2	14.3	-1.9	0.02	0.02	-0.01	1.0	SSE
2/9/2024 14:38:00	17.6	15.2	-2.3	0.02	0.01	-0.01	0.9	SSE
2/9/2024 14:39:00	18.9	15.8	-3.1	0.02	0.01	-0.01	0.9	SSW
2/9/2024 14:40:00	20.3	16.4	-3.9	0.02	0.01	-0.01	0.9	SSW
2/9/2024 14:41:00	20.7	17.6	-3.2	0.02	0.01	-0.02	0.9	ENE
2/9/2024 14:42:00	21.6	18.7	-2.9	0.03	0.01	-0.02	1.0	ENE
2/9/2024 14:43:00	21.7	19.7	-2.0	0.03	0.01	-0.02	1.1	NNE
2/9/2024 14:44:00	21.7	20.2	-1.6	0.03	0.01	-0.02	1.2	ENE
2/9/2024 14:45:00	21.6	19.8	-1.9	0.03	0.01	-0.02	1.3	ENE
2/9/2024 14:46:00	21.1	19.4	-1.7	0.03	0.01	-0.02	1.4	NE
2/9/2024 14:47:00	20.7	19.1	-1.6	0.03	0.01	-0.02	1.5	ENE
2/9/2024 14:48:00	20.4	18.6	-1.8	0.03	0.01	-0.02	1.5	NE
2/9/2024 14:49:00	20.0	18.6	-1.4	0.02	0.01	-0.02	1.6	W
2/9/2024 14:50:00	20.0	20.1	0.1	0.02	0.01	-0.01	1.6	E
2/9/2024 14:51:00	21.1	20.7	-0.4	0.02	0.01	-0.01	1.5	SW
2/9/2024 14:52:00	21.7	21.0	-0.7	0.02	0.01	-0.02	1.5	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
2/9/2024 14:53:00	21.1	21.2	0.2	0.02	0.01	-0.01	1.6	SE
2/9/2024 14:54:00	20.6	21.8	1.2	0.02	0.01	-0.01	1.6	ENE
2/9/2024 14:55:00	20.2	22.4	2.2	0.02	0.01	-0.01	1.6	NNW
2/9/2024 14:56:00	20.9	22.6	1.7	0.01	0.01	0.00	1.6	ESE
2/9/2024 14:57:00	21.2	22.9	1.7	0.01	0.01	0.01	1.5	ESE
2/9/2024 14:58:00	22.5	22.9	0.4	0.01	0.01	0.01	1.4	SSE
2/9/2024 14:59:00	23.3	24.4	1.1	0.01	0.01	0.01	1.3	ENE
2/9/2024 15:00:00				0.01	0.01	0.00	1.3	W
2/9/2024 15:01:00				0.01	0.01	0.00	1.2	WSW
2/9/2024 15:02:00				0.01	0.01	0.01	1.1	SW
2/9/2024 15:03:00				0.01	0.02	0.02	1.0	SW
2/9/2024 15:04:00	27.8	19.9	-7.9	0.01	0.03	0.02	1.1	WSW
2/9/2024 15:05:00	26.0	19.9	-6.1	0.01	0.04	0.03	1.1	WSW
2/9/2024 15:06:00	24.1	18.0	-6.1	0.01	0.04	0.04	1.2	W
2/9/2024 15:07:00	22.7	17.8	-4.9	0.01	0.06	0.05	1.2	SSW
2/9/2024 15:08:00	23.3	19.1	-4.2	0.01	0.07	0.06	1.3	W
2/9/2024 15:09:00	23.6	21.6	-1.9	0.01	0.08	0.07	1.4	WSW
2/9/2024 15:10:00	23.4	22.2	-1.1	0.02	0.08	0.06	1.3	ESE
2/9/2024 15:11:00	23.4	22.3	-1.1	0.03	0.08	0.05	1.3	NE
2/9/2024 15:12:00	23.9	23.1	-0.8	0.04	0.08	0.04	1.4	ESE
2/9/2024 15:13:00	24.0	23.8	-0.2	0.04	0.08	0.04	1.4	ENE
2/9/2024 15:14:00	23.6	23.7	0.1	0.04	0.08	0.04	1.4	NE
2/9/2024 15:15:00	22.4	23.5	1.2	0.04	0.08	0.04	1.4	ENE
2/9/2024 15:16:00	22.5	22.5	0.0	0.04	0.08	0.04	1.3	SW
2/9/2024 15:17:00	22.4	21.6	-0.8	0.04	0.08	0.04	1.3	WNW
2/9/2024 15:18:00	21.8	20.7	-1.1	0.04	0.07	0.03	1.3	WNW
2/9/2024 15:19:00	20.6	19.9	-0.8	0.04	0.06	0.02	1.2	SSW
2/9/2024 15:20:00	19.6	18.9	-0.7	0.04	0.06	0.02	1.2	W
2/9/2024 15:21:00	18.8	18.3	-0.5	0.04	0.05	0.01	1.2	NW

Date/Time	Average Upwind PM10 (µg/m³)	Average Downwind PM10 (µg/m³)	Average Contribution PM10 (µg/m³)	Average Upwind VOC (ppm)	Average Downwind VOC (ppm)	Average Contribution VOC (ppm)	Wind Speed 15 min Avg	Wind Direction
2/9/2024 15:22:00	17.8	17.7	-0.1	0.04	0.03	0.00	1.2	N
2/9/2024 15:23:00	16.6	16.4	-0.2	0.04	0.02	-0.01	1.1	SW
2/9/2024 15:24:00	15.2	14.5	-0.7	0.04	0.02	-0.02	1.0	E
2/9/2024 15:25:00	14.1	13.0	-1.1	0.03	0.01	-0.01	1.0	WSW
2/9/2024 15:26:00	12.8	11.8	-0.9	0.02	0.01	-0.01	1.0	E
2/9/2024 15:27:00	11.2	10.2	-1.1	0.01	0.01	0.00	1.0	WNW
2/9/2024 15:28:00	9.8	8.4	-1.4	0.01	0.01	0.00	1.0	SW
2/9/2024 15:29:00	8.8	7.2	-1.6	0.01	0.01	0.00	1.0	NE
2/9/2024 15:30:00	8.6	6.1	-2.5	0.01	0.01	0.00	1.0	SE
2/9/2024 15:31:00	7.4	5.8	-1.6	0.01	0.01	0.00	1.0	SSW
2/9/2024 15:32:00	6.3	5.5	-0.9	0.01	0.01	0.00	0.9	ESE
2/9/2024 15:33:00	5.8	5.3	-0.5	0.01	0.01	0.00	0.9	S
2/9/2024 15:34:00	5.4	5.2	-0.2	0.01	0.01	0.00	0.9	ESE
2/9/2024 15:35:00	5.2	5.3	0.1	0.01	0.01	0.00	0.9	ENE