vEKtor consultants

DAILY STATUS REPORT

Prepared By: Peter Rathsack

NYSDEC BCP Site No:	C224219	**Date:**	07/24/2023
Project Name:	450 Union Street	**Weather:**	Overcast, 70-85 ^{0}F
Client:	2201 Union LLC	**Time:**	7:00 – 14:30

Personnel On-Site:
Environmental Consultant: Vektor Consultants – Peter Rathsack
WSP: Tim Williams

Work Activities Performed:

- Vektor mobilized to the site to conduct groundwater sampling as per the Remedial Site Optimization Work Plan (RSOWP)
- Headspace of wells DB2-MW-2S, DB2-MW-2D, and DB2-MW-2 were measured, wells were gauged, and sampled. All depths were measured from top of the casing (TOC).
- Vektor used a peristaltic pump to collect low flow groundwater samples from wells DB2-MW-2S, DB2-MW-2D, and DB2-MW-2. Groundwater was purged from each well to measure water quality parameters (pH, specific conductivity, oxygen reduction potential, dissolved oxygen, turbidity, and temperature) for stabilization criteria prior to sampling.
- Faint coal tar-like odors were observed in purge water generated from wells DB2-MW-2S, DB2-MW-2D, and DB2-MW-2.
- Approximately 10 gallons of purged groundwater were generated and containerized in a sealed and labeled 55-gallon drum.

Well ID	Headspace (ppm)	Pre-Purge Depth to Water (feet)	Post Sampling Depth to Water (feet)	Pump Intake Depth (feet)
DB2-MW-2S	0	9.28	10.12	10
DB2-MW-2D	14.4	9.98	9.85	37
DB2-MW-2	3.4	10.18	10.06	28.5

Samples Collected: Vektor collected four groundwater samples for laboratory analysis of NYSDEC Part 375 TCL VOCs, TCL SVOCs, TCL PCBs, TCL Pesticides, TCL Herbicides, TAL Metals, and Total Cyanide.

Vektor collected two Trip Blanks to be analyzed for NYSDEC Part 375 TCL VOCs and TCL SVOCs.

- DB2-MW-2S
- DB2-MW-2D
- DB2-MW-2
- FB-4
- TB-4
- TB-5

Community Air Monitoring Program

Real-time Community Air Monitoring Plan (CAMP) was implemented during all intrusive work at an upwind and a downwind location.

Problems Encountered

N/A

Planned Activities for the Next Day

Sampling of DB9-MW-9S, DB9-MW-9D, and DB9-MW-9.

SITE PLAN / WORK AREAS

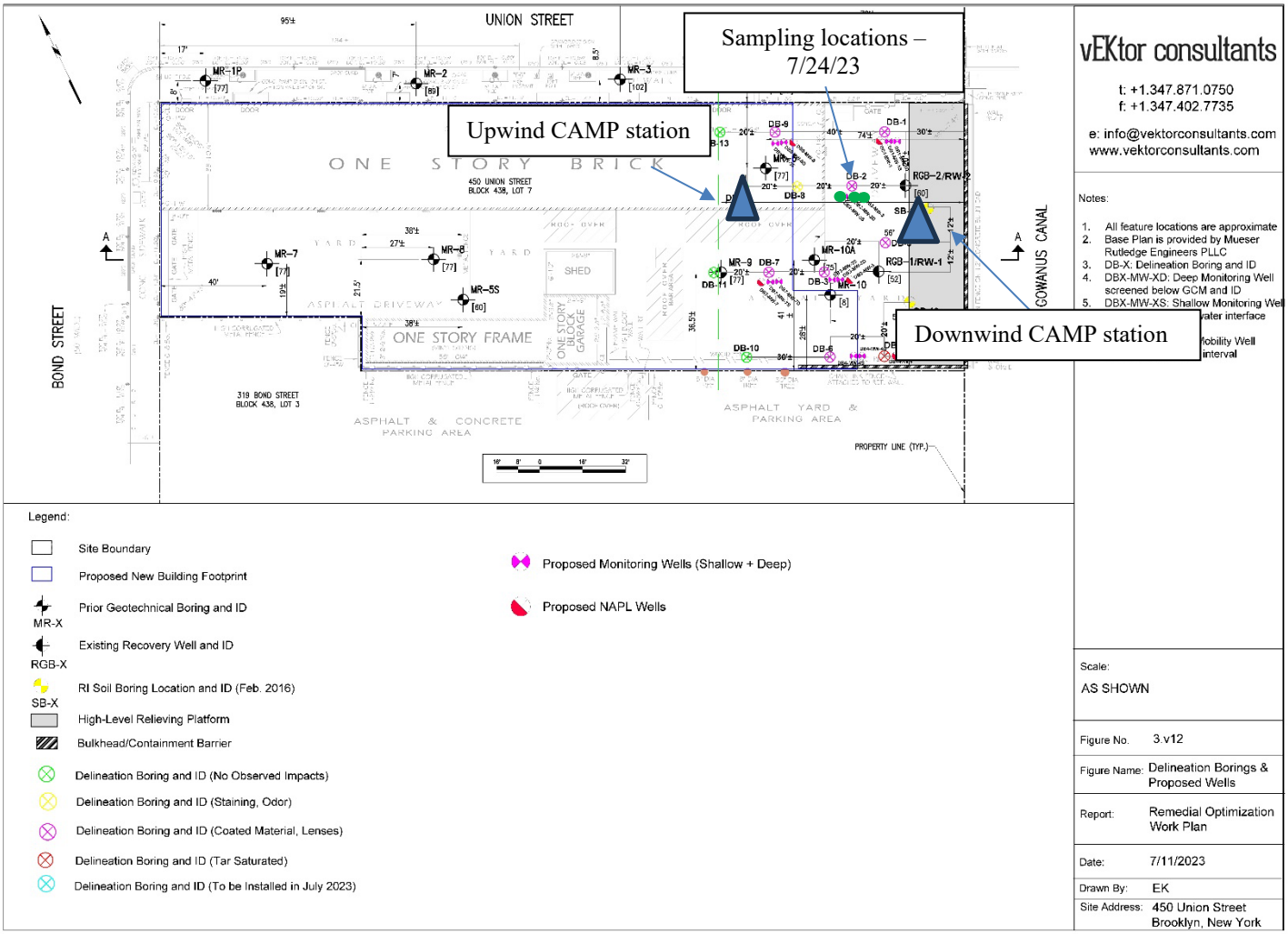


PHOTO LOG

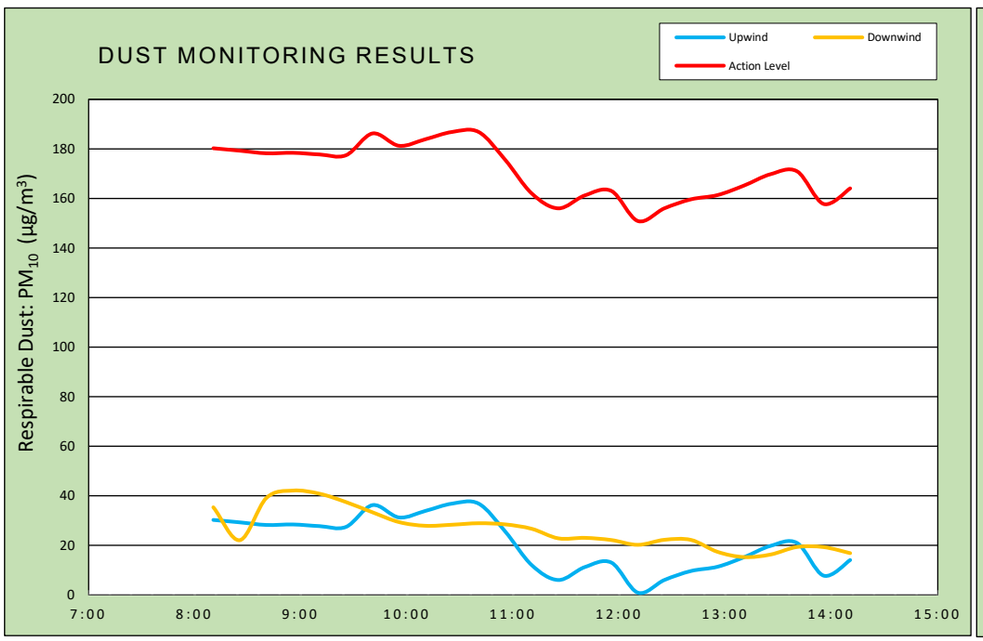
Photo 1: View of Horiba measuring low flow groundwater sampling parameters.	

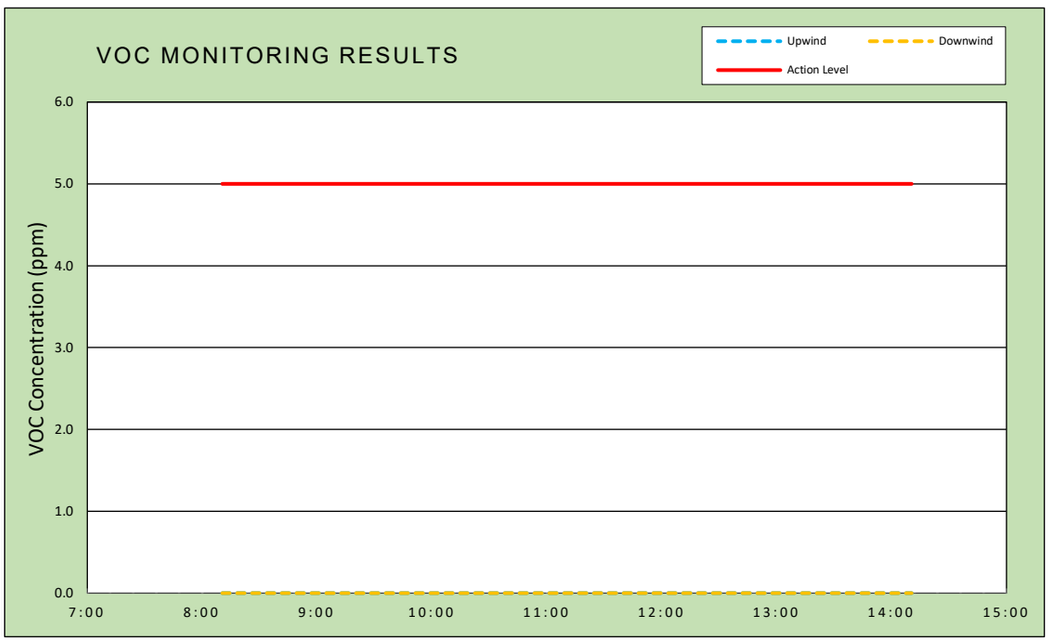
Photo 2: View of peristaltic pump during purging and Horiba measuring low flow sampling parameters during the sampling of DB1-MW-1D.	
Photo 3: View of the site facing south during sampling.	

vEKtor consultants	**DAILY AIR MONITORING REPORT** **450 Union Street** **Brooklyn, New York**	**07/24/2023**	
37 W. 37th St, 6th Floor - New York, NY		Rev. No. 0	Page 1 of 2
		Project Number:	
		Dust Action Level	150 µg/m^3
		VOC Action Level	5 ppm

Weather Data Range for Work Day		Wind Direction	SSW	Relative Humidity (%)	45.0 - 66.0	Daily Rain Total (in)	0.01	Readings in the summary table and graphs below are the reported downwind concentrations.
Temperature (°F)	76.0 - 87.0	Wind Speed (MPH)	0.6 - 4.0	Barometer (inHg)	30.10 - 30.10	Avg. Dew Point Temp (°F)	63.9	

Station Location	Daily Avg. Dust Concentration (µg/m^3)	Max 15-Min Dust Concentration (µg/m^3)	Time of Max Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15-Min VOC Concentration (ppm)	Time of Max VOC Reading
Upwind	20.7	38.7	9:46	0.0	0.0	7:57
Downwind	26.1	50.0	7:57	0.0	0.0	7:57





Air Monitoring Notes:

Weather Notes:

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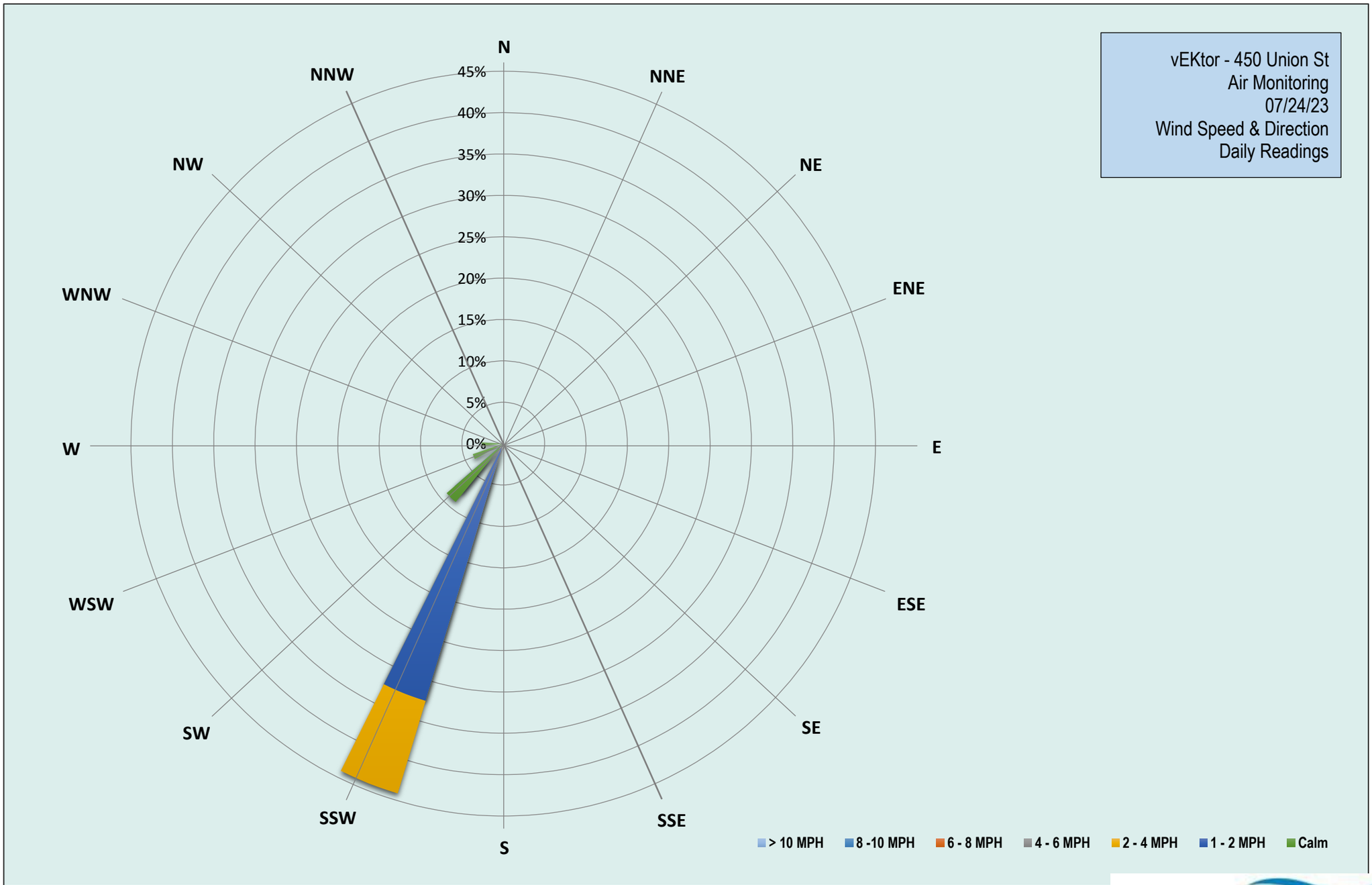

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Monday, July 24, 2023	
Number of Instances Where Downwind Particulates	0
Number of Comparable Data Points =	25
Start Time:	8:11
End Time:	14:11

PARTICULATE DATA					
Upwind		Downwind			
Time	15-Min Avg Concentration (ug/m^3)	Time	15-Min Avg Concentration (ug/m^3)	Exceeds Particulate Alarm Limit	Exceedance Level
8:11	30.3	8:11	35.4	-	180.3
8:26	29.3	8:26	22.1	-	179.3
8:41	28.2	8:41	39.1	-	178.2
8:56	28.4	8:56	42.1	-	178.4
9:11	27.8	9:11	40.8	-	177.8
9:26	27.4	9:26	37.5	-	177.4
9:41	36.2	9:41	33.3	-	186.2
9:56	31.3	9:56	29.4	-	181.3
10:11	33.9	10:11	27.9	-	183.9
10:26	36.8	10:26	28.3	-	186.8
10:41	36.8	10:41	28.9	-	186.8
10:56	25.6	10:56	28.5	-	175.6
11:11	12.0	11:11	26.7	-	162.0
11:26	6.0	11:26	22.8	-	156.0
11:41	11.2	11:41	23.0	-	161.2
11:56	13.0	11:56	22.1	-	163.0
12:11	0.9	12:11	20.2	-	150.9
12:26	6.0	12:26	22.2	-	156.0
12:41	9.6	12:41	22.2	-	159.6
12:56	11.4	12:56	17.4	-	161.4
13:11	15.2	13:11	15.3	-	165.2
13:26	19.8	13:26	16.3	-	169.8
13:41	20.9	13:41	19.3	-	170.9
13:56	7.8	13:56	19.3	-	157.8
14:11	14.1	14:11	16.8	-	164.1

Upwind DustTrak Data Summary		
Daily Maximum	47.3	ug/m^3
Daily Minimum	0.0	ug/m^3
Daily Average	20.7	ug/m^3
Maximum 15-Minute Average	36.8	ug/m^3

Downwind DustTrak Data Summary		
Daily Maximum	50.0	ug/m^3
Daily Minimum	13.8	ug/m^3
Daily Average	26.1	ug/m^3
Maximum 15-Minute Average	42.1	ug/m^3

Monday, July 24, 2023	
Number of Instances Where Downwind VOCs Exceeds	0
Number of Comparable Data Points =	0
Start Time:	8:11
End Time:	14:11

PID DATA					
Upwind		Downwind			
Time	15-Min Avg Concentration (ppm)	Time	15-Min Avg Concentration (ppm)	Exceeds VOC Alarm Limit	Exceedance Level
8:11	0.0	8:11	0.0	-	5.0
8:26	0.0	8:26	0.0	-	5.0
8:41	0.0	8:41	0.0	-	5.0
8:56	0.0	8:56	0.0	-	5.0
9:11	0.0	9:11	0.0	-	5.0
9:26	0.0	9:26	0.0	-	5.0
9:41	0.0	9:41	0.0	-	5.0
9:56	0.0	9:56	0.0	-	5.0
10:11	0.0	10:11	0.0	-	5.0
10:26	0.0	10:26	0.0	-	5.0
10:41	0.0	10:41	0.0	-	5.0
10:56	0.0	10:56	0.0	-	5.0
11:11	0.0	11:11	0.0	-	5.0
11:26	0.0	11:26	0.0	-	5.0
11:41	0.0	11:41	0.0	-	5.0
11:56	0.0	11:56	0.0	-	5.0
12:11	0.0	12:11	0.0	-	5.0
12:26	0.0	12:26	0.0	-	5.0
12:41	0.0	12:41	0.0	-	5.0
12:56	0.0	12:56	0.0	-	5.0
13:11	0.0	13:11	0.0	-	5.0
13:26	0.0	13:26	0.0	-	5.0
13:41	0.0	13:41	0.0	-	5.0
13:56	0.0	13:56	0.0	-	5.0
14:11	0.0	14:11	0.0	-	5.0

Upwind PID Data Summary		
Daily Maximum	0.0	ppm
Daily Minimum	0.0	ppm
Daily Average	0.0	ppm
Maximum 15-Minute Average	0.0	ppm

Downwind PID Data Summary		
Daily Maximum	0.0	ppm
Daily Minimum	0.0	ppm
Daily Average	0.0	ppm
Maximum 15-Minute Average	0.0	ppm