

# Soapstone Valley Park Sewer Rehabilitation Project

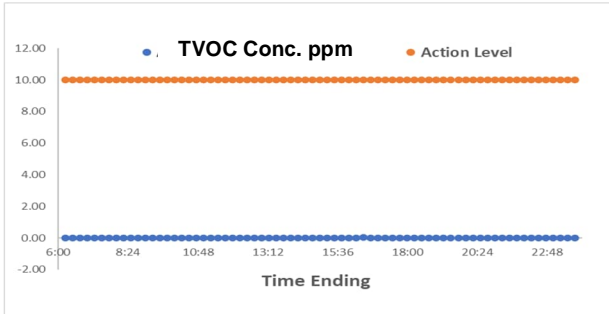
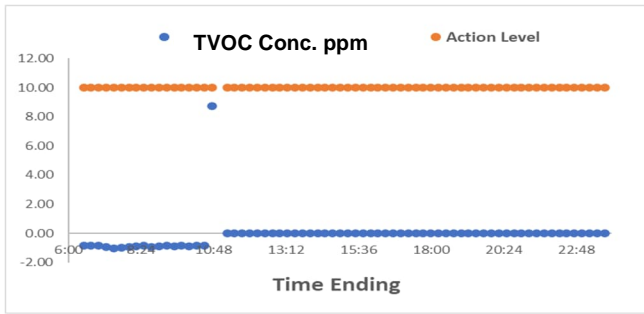
## Daily Air Monitoring Report #1—Site 6

<b>Client:</b>	<b>DC Water / WRF</b>
<b>Location:</b>	<b>Soapstone Valley Park, Washington, DC</b>
<b>Date:</b>	<b>3/14/2023</b>
<b>Summary:</b>	Air monitoring performed during shot #1 M-10445 to M-10343. Air monitoring results were less than the Action Levels.

This air monitoring daily field report is a summary of the ambient and emission monitoring data collected during the Soapstone Valley Park Sewer Rehabilitation Project related to the cured in place pipe (CIPP) activities in accordance with the project's Air Quality Monitoring and Emissions Testing Plan (AQMP). Instrumentation measuring total volatile organic compounds (TVOCs), acetophenone and cumene are calibration checked daily prior to the start of activities, unless otherwise noted.

The purpose of this Report is to communicate real-time monitoring results with a focus on any results greater than Action Levels set forth in the AQMP, and any emissions controls implemented in response to the real-time monitoring results. Results summarized herein are preliminary and are subject to change based on a quality assurance quality control review. Final results will be included in the project area reports and will include an evaluation of the chemical specific sampling results.

### Daily Real-time Upwind and Downwind Concentrations

 <p style="text-align: center;"><b>Upwind Concentrations</b></p>		 <p style="text-align: center;"><b>Downwind Concentrations</b></p>	
<b>Comments</b>	Work hours were 6:00 am – 11:30 pm. There was a TVOC spike at approximately 10:45AM (less than the Action Level) at the downwind location that was an artifact of the recalibration of the instrument to correct a negative drift of the instrument.		
<b>Action Level</b>	TVOC	10 ppm or greater	
<b>Notes</b>	<ul style="list-style-type: none"> <li>- Real-time continuous monitoring performed upwind and downwind of the work zone (including the insertion manhole and refrigeration truck).</li> <li>- Real-time continuous monitoring results represent 15-minute average concentrations unless otherwise noted.</li> <li>- TVOC concentrations were measured as isobutylene and reported as acetophenone based on the PID correlation factor.</li> </ul>		

### Daily Maximum Hand-held Monitoring and Observations

Parameter	TVOC (ppm)	Cumene (ppm)	Acetophenone (ppm)	Odor Intensity
Observation	4.5	0	0	2
Comments	TVOC concentrations fluctuated periodically with the startup and run of the boiler truck.	Not detected	Not detected	Light and Occasional
Action Levels	10 ppm or greater	50 ppm or greater	10 ppm or greater	3 or greater or off-site odor complaint verified by Air Monitoring Contractor
Notes	- Hand-held monitoring performed downwind of the terminal discharge manhole and any applicable passthrough manholes, downstream manholes, and lateral sewer connection cleanouts. - Hand-held monitoring results represent instantaneous concentrations unless otherwise noted.			

### Elevated Concentration Summary for Action Levels

Parameter	Time	Location	Wind Conditions	Elevated Conc.	Comments/Explanation
TVOC (ppm)	NA	NA	NA	NA	TVOC concentrations remained less than the Action Level.
Cumene (ppm)	NA	NA	NA	NA	Cumene concentrations remained less than the Action Level.
Acetophenone (ppm)	NA	NA	NA	NA	Acetophenone concentrations remained less than the Action Level.
Odor Intensity (0 - 5)	NA	NA	NA	NA	Odor observations remained less than the Action Level.

### Constituent-Specific Sampling Summary

Project Area	Sample Date	Method Type	Comments
Shot #1	3/14/23	Method 18 for acetophenone TO-15 for VOCs	Results received from laboratory and being reviewed against AQMP.
Shot #2	TBD	Method 18 for acetophenone TO-15 for VOCs	Future sampling event. Supplies ordered from the laboratory.
Shot #3	TBD	Method 18 for acetophenone TO-15 for VOCs	Future sampling event. Supplies ordered from the laboratory.
Shot #4	TBD	Method 18 for acetophenone TO-15 for VOCs	Future sampling event. Supplies ordered from the laboratory.


### Daily Weather Conditions

Parameter	Workday Measurements	Wind Conditions
Precipitation (Yes/No)	No	
Average Wind Speed	20mph	WN - WNW

\*Weather results taken from the [DCA] Washington/National

## Site Map



Shot 1: M10445 to M10343		
ID	Location (Latitude – Longitude)	Canister Position
1	(38.9454416, -77.0514673)	Upwind
2	(38.9453756, -77.0514365)	4" above insertion manhole
3	(38.9453159, -77.0514157)	Downwind
4	(38.9454280, -77.0511760)	4" above te  (Ctrl) ·
5	(38.9453795, -77.0511455)	Near terminal manhole

## General Comments

8:00	Set up PID and canister at upwind and downwind locations.
9:00	Pre-liner and liner work started
10:45	The downwind PID was recalibrated to address a negative zero. The spike at 10:48AM was an artifact of the recalibration of the PID and not related to CIPP activities.
12:30	Lining finished
13:30	Curing begins
17:30	Curing begins and canisters and sorbent tube positioned 4" above the terminal manhole
18:00	Placed canister on top of insertion manhole.
18:30	Removed canister from insertion manhole
19:00	Removed sorbent tube from insertion manhole
19:30	Took anemometer reading from insertion manhole and terminal manhole
20:00	Removed canister from upwind and downwind location
23:47	Picked up canister from terminal manhole
Next day @ 13:30	Removed PID from upwind & Downwind locations
<b>Submitted By:</b>	CUIRE/UTA
<b>Date:</b>	3/23/2023
<b>Reviewed By:</b>	AECOM
<b>Date:</b>	3/24/2023