

# Air Monitoring Summary Tables

The table below summarizes monitoring data collected using EPA's Viper wireless remote monitoring system.

**Project Name:** H<sub>2</sub>S in South and North Carolina

**From:** 6/11/21  
12:01 AM

**To:** 6/11/21  
11:59 PM



William-Lytle Place							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 1	H <sub>2</sub> S	No	27080	0	0 - 0 ppb	0 ppb	70 ppb

River Chase							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 2	H <sub>2</sub> S	No	26878	8934	0 - 27 ppb	1.18 ppb	70 ppb

Millstone Creek							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 3	H <sub>2</sub> S	No	25995	12212	0 - 13 ppb	0.81 ppb	70 ppb

Sun City							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 4	H <sub>2</sub> S	No	26862	2866	0 - 11 ppb	0.25 ppb	70 ppb

Bridgemill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 5	H <sub>2</sub> S	No	27524	0	0 - 0 ppb	0 ppb	70 ppb

Tom Steven Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 6	H <sub>2</sub> S	No	27243	10083	0 - 41 ppb	0.95 ppb	70 ppb

Sturgis Rd							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 7	H <sub>2</sub> S	No	26535	0	0 - 0 ppb	0 ppb	70 ppb

Marvin							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 8	H <sub>2</sub> S	No	26808	15875	0 - 12 ppb	0.74 ppb	70 ppb

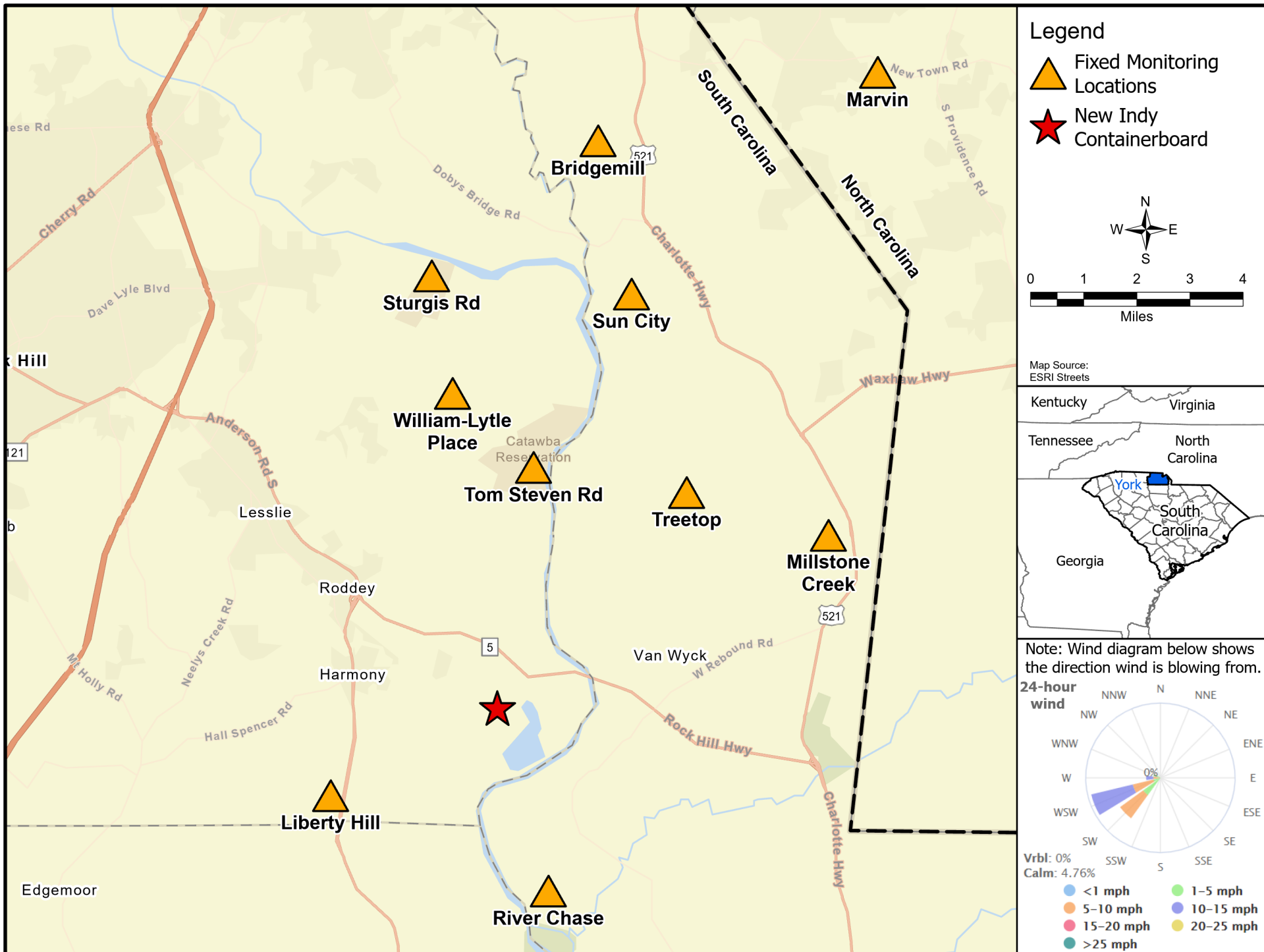
Treetop							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 9	H <sub>2</sub> S	No	27256	14480	0 - 65 ppb	1.69 ppb	70 ppb

Liberty Hill							
Instrument	Analyte	ATSDR MRL Exceedance?	Number of Readings	Number of Detections	Concentration Range	Period Average	ATSDR MRL
SPM Flex 10	H <sub>2</sub> S	No	27463	0	0 - 0 ppb	0 ppb	70 ppb

## Notes:

Hydrogen sulfide concentrations presented in this data summary table are converted from parts per million, the instrument readout units, to parts per billion.

ATSDR MRL      Agency for Toxic Substances and Disease Registry Minimal Risk Level - Acute Exposure (<14 days)  
 H<sub>2</sub>S            Hydrogen Sulfide  
 hr              Hour  
 ppb            Parts per billion  
 MRL Exceedance      Defines if the 24-hr TWA exceeded the MRL at any time during the period of this report  
 SPM            Single Point Monitor  
 TWA            Time Weighted Average



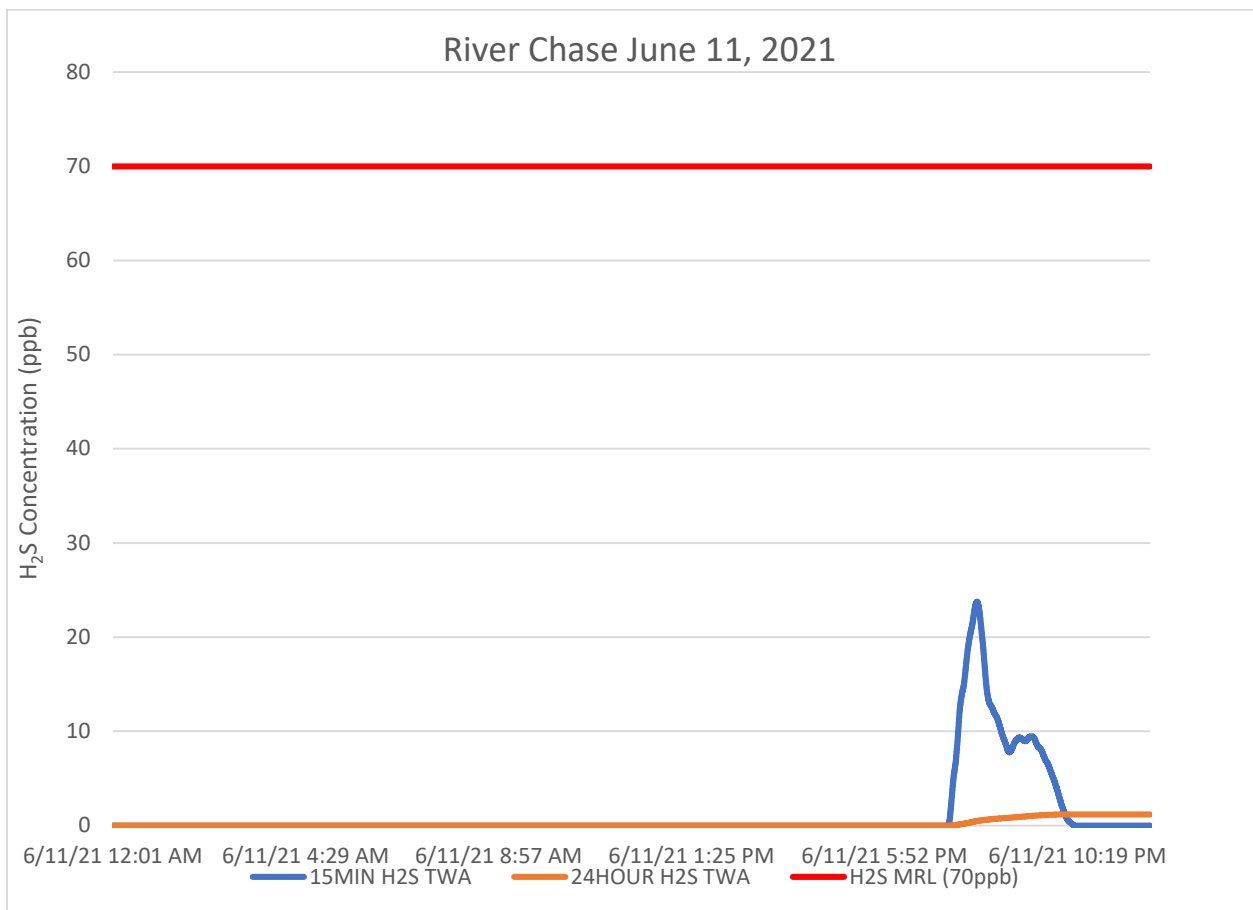
# H<sub>2</sub>S in South and North Carolina

## Hydrogen Sulfide 15-min and 24-hr Time Weighted Graphs

Only locations where hydrogen sulfide was detected during the current reporting period are graphed below.

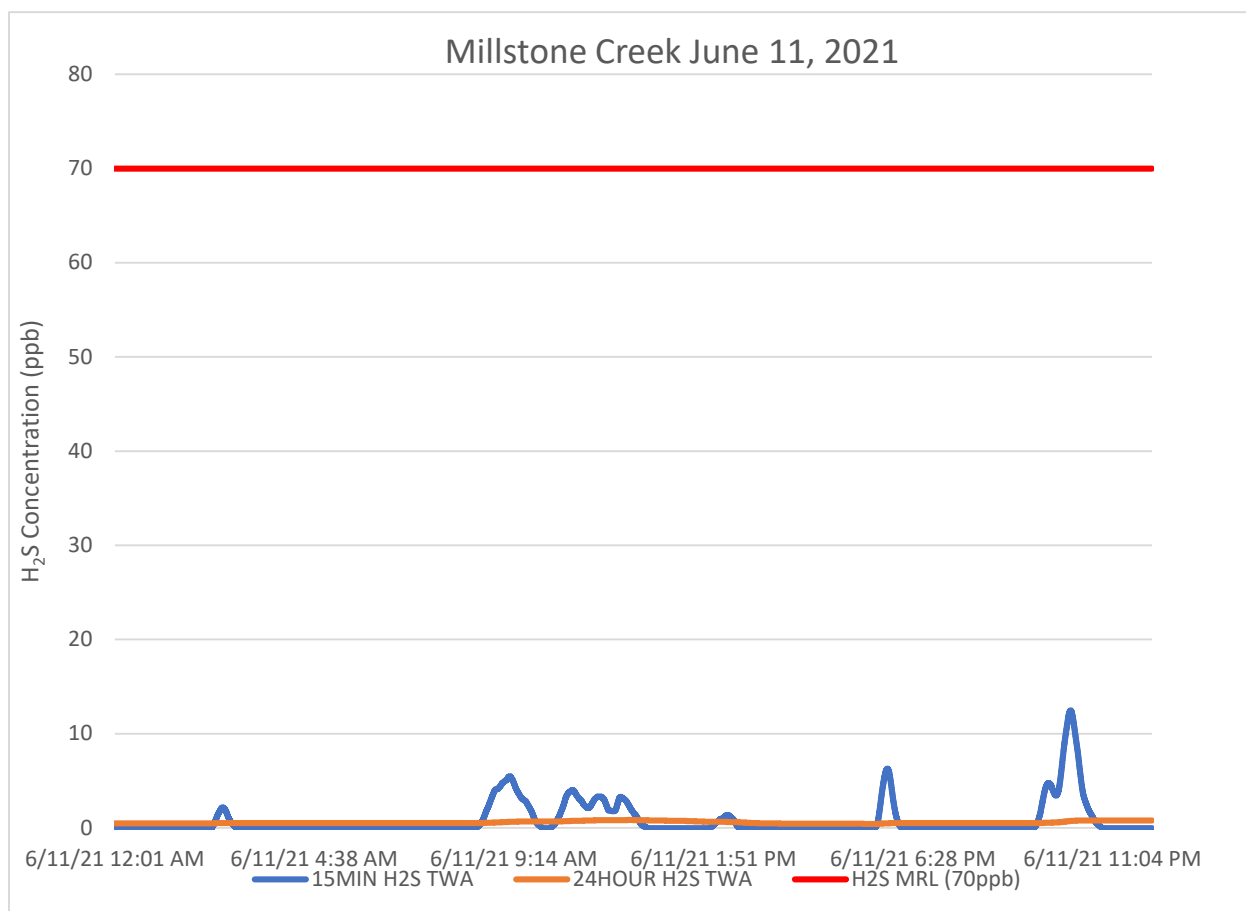
The prevailing wind directions for this reporting period were out of the west-southwest and southwest. See wind rose diagram on location figure for full wind data during this reporting period.

The following locations did not detect hydrogen sulfide above 1 part per billion: William-Lytle Place, Bridgemill, Sturgis Rd, and Liberty Hill.



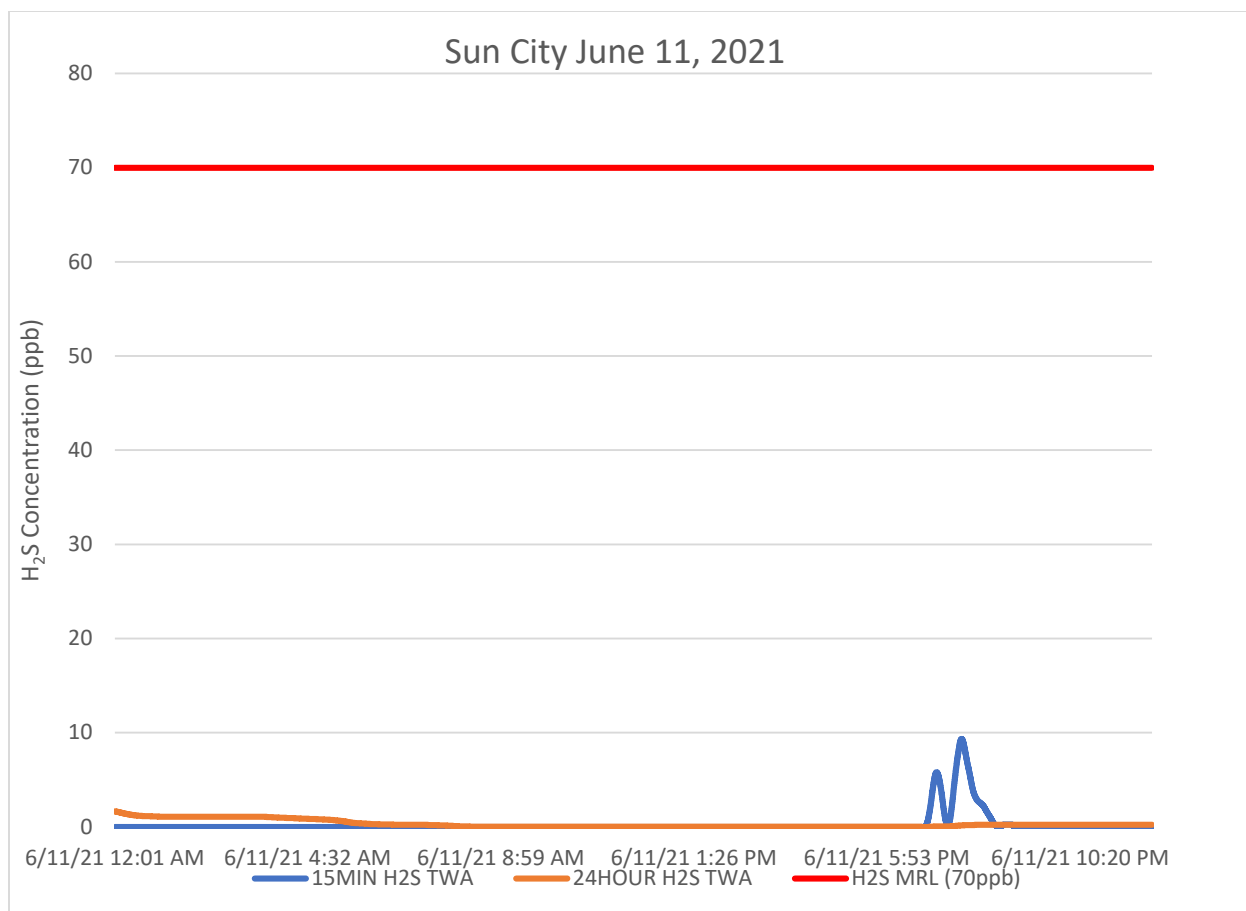
### Notes:

H<sub>2</sub>S – Hydrogen Sulfide  
MIN – Minute  
MRL – Minimal Risk Level  
ppb – Parts per billion  
TWA – Time weighted average



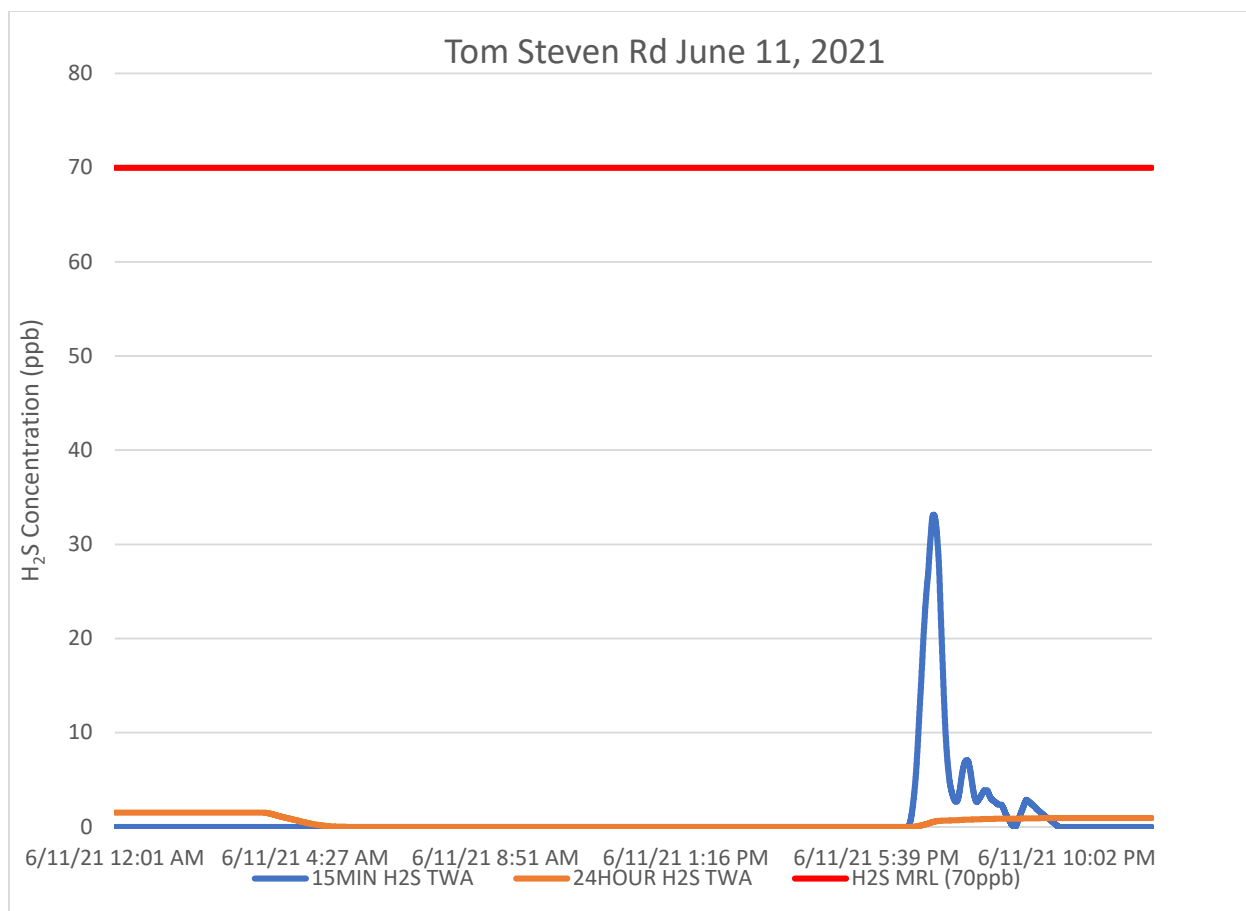
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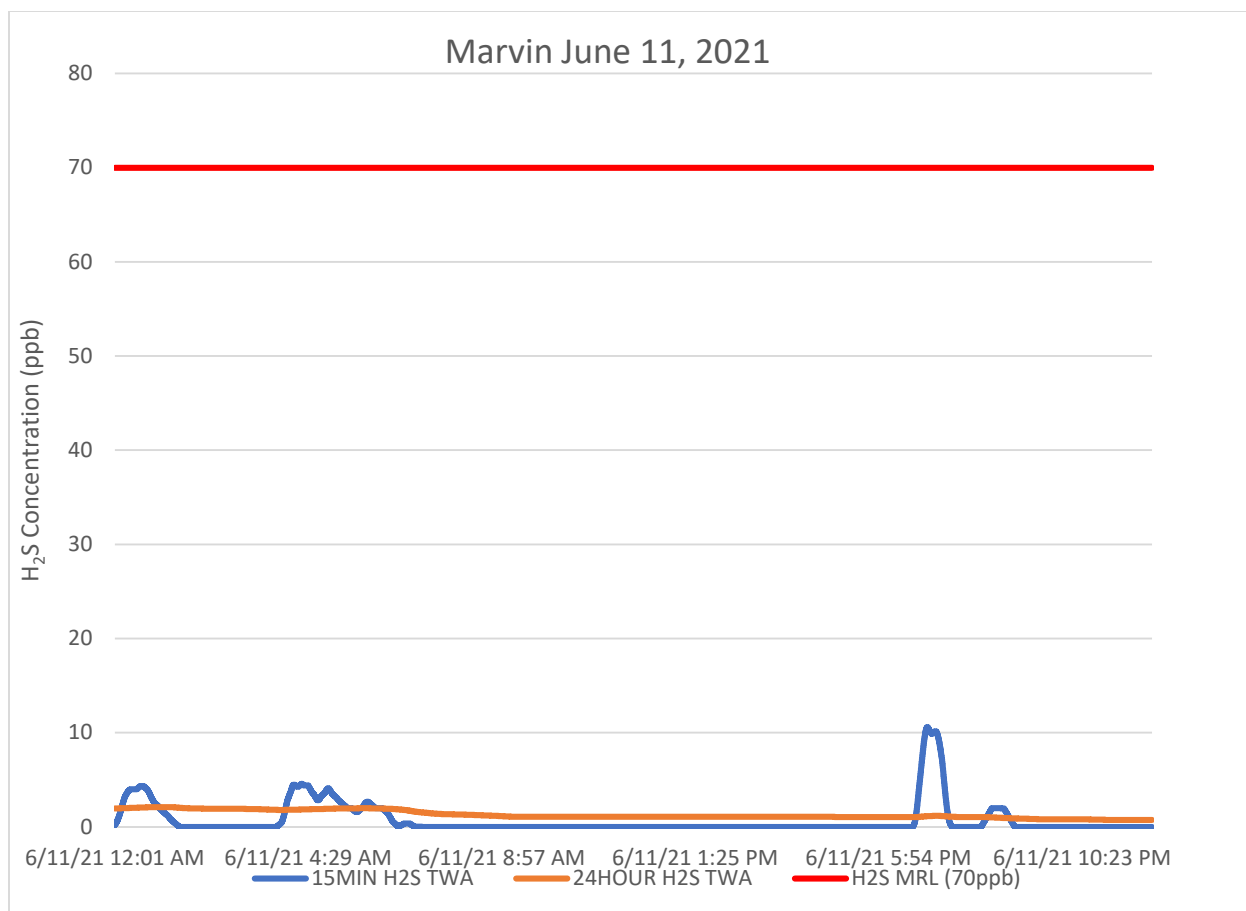
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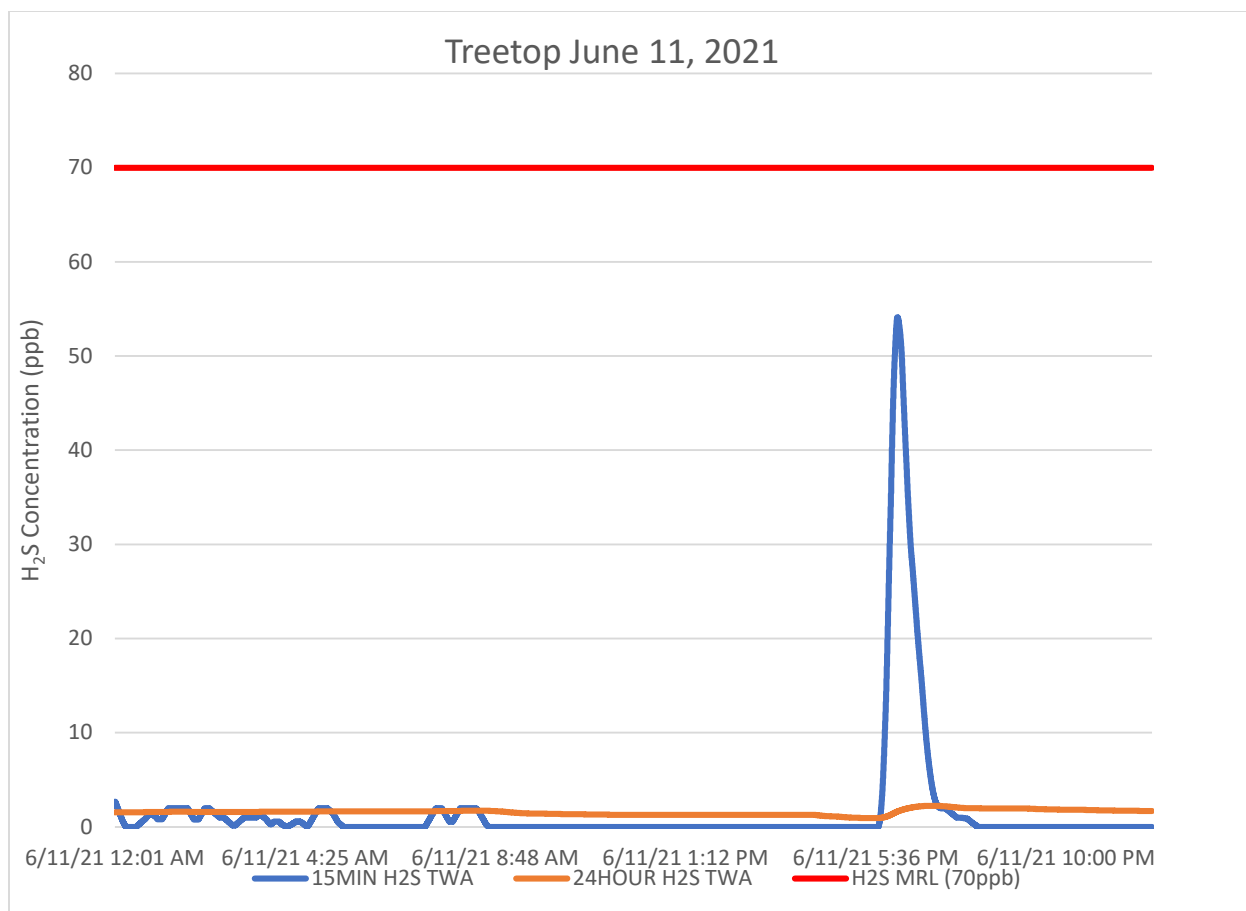
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