

TCEQ Handheld Monitoring Equipment Data

TPC Group Fire – November 2019

Shortly after becoming aware of the fire at TPC Group Port Neches Operations that began on November 27, 2019, TCEQ Regional staff initiated handheld monitoring surveys in the area. MultiRAEs, QRAEs, AreaRAEs, MiniRAEs, UltraRAEs, VRAEs, and Toxic Vapor Analyzers with various sensors were used for all survey activities. These instruments provide instantaneous readings for various compounds that may include the lower explosive limit (LEL), volatile organic compounds (VOC), hydrogen sulfide (H₂S), carbon monoxide (CO), sulfur dioxide (SO₂), benzene, 1,3 butadiene, hydrogen cyanide (HCN), and oxygen.

Sample results from TCEQ's handheld monitoring equipment are listed below, including observations of odor. This incident is causing the release of chemicals called VOCs. Elevated levels of VOCs from this facility are odorous. Short-term exposure to high concentrations of VOCs can cause eye, nose, and throat irritation, shortness of breath, headaches, and nausea. If you experience these health effects leave the area until the situation has resolved.

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Monday, January 6, 2020									
1/6/2020	Orchard Ave & TX 366, Port Neches, TX	8:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	377 Orchard Ave, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	203 E 2nd St, Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/6/2020	Pine St & Sycamore St, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/6/2020	499 Central Ave, Port Neches, TX	10:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	110 Maple St, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	100 Port Neches Atlantic Rd, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	1007 Neches Dr, Port Neches, TX	12:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	Park St & Rachford Ave, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	715 Avenue B, Port Neches, TX	1:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	1212 Lillie St, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	817 Royal Ave, Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	1401 Merriman St, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	1739 Hebert Woods Dr, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
Monday, January 6, 2020									
1/6/2020	Hebert Dr & Llano St, Port Neches, TX	3:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/6/2020	725 Gulf Ave, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/6/2020	2116 Merriman St, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	749 Central Dr, Port Neches, TX	5:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	Llano St & Magnolia Ave, Port Neches, TX	5:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	776 Magnolia Ave, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	2213 Earle St, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	Near intersection of FM 366 & SH-136, Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/6/2020	1520 Dearing St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1008 Neches Dr, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	620 Avenue C, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	806 Jackson Ave, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	918 Dallas St, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1117 Marion St, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Tuesday, January 7, 2020									
1/7/2020	1710 Llano St, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	749 Gulf Ave, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	841 Oak Terrace, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	1225 Eugene St, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	1310 Katy St, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	901 Montgomery St, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	710 Block St, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	1725 Douglas Dr, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	1010 West Dr, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	1218 Wilson St, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	2010 11th St, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/7/2020	749 Central Dr, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	