

# **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 (H<sub>2</sub>S), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), 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
<b>Wednesday, January 8, 2020</b>									
1/8/2020	Avenue K & Dearing St, Port Neches, TX	9:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	303 Avenue E, Port Neches, TX	10:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	Main St & Grigsby Ave, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/8/2020	Lee Ave & Park St, Port Neches, TX	11:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/8/2020	1004 Merriman St, Port Neches, TX	12:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/8/2020	1401 Merriman St, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	2102 Merriman St, Port Neches, TX	2:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	749 Central Dr, Port Neches, TX	3:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	Texas Ave & Cherokee Ave, Port Neches, TX	4:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.8%	No odors
1/8/2020	761 Texas Ave, Port Neches, TX	5:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	633 Drawhorn Dr, Port Neches, TX	6:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	Betty Dr & Earle St, Port Neches, TX	6:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	2025 Merriman St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	730 Central Dr, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	2040 Llano St, Port Neches, TX	9:40 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
<b>Wednesday, January 8, 2020</b>									
1/8/2020	2056 Oak Terrace, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1701 Green Oak Dr, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1716 Hebert Wood Dr, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
<b>Thursday, January 9, 2020</b>									
1/9/2020	720 Royal Ave, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	726 Holland Ave, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	422 Avenue G, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	429 Avenue F, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	1401 Park St, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	432 Avenue D, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	2118 Merriman St, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	700 Central Dr, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	1910 Stella Circle, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	1908 Nall St, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	1401 Merriman St, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	749 Central Dr, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/9/2020	2101 Llano St, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors