

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
Tuesday, January 7, 2020									
1/7/2020	FM 366 & SH-136, Port Neches, TX	9:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	FM 366 & Park St, Port Neches, TX	10:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	Central Ave & Pine St, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	115 Maple St, Port Neches, TX	11:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	2197-2199 SH-136 Spur, Port Neches, TX	12:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	New Ave. & Merriman St, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	1301-1319 Park St, Port Neches, TX	2:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	429 Avenue F, Port Neches, TX	3:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	6094-6098 FM 366, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
1/7/2020	104 E Cypress St, Port Neches, TX	5:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
1/7/2020	300-398 Grigsby Ave, Port Neches, TX	6:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
1/7/2020	2123-2127 Main St, Port Neches, TX	7:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
1/7/2020	2116 Merriman St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

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Tuesday, January 7, 2020									
1/7/2020	400-498 Avenue K, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	430 Avenue I, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	406 Avenue F, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	308 Avenue E, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/7/2020	330 Avenue D, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
Wednesday, January 8, 2020									
1/8/2020	421 Avenue C, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	307 Avenue B, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	726 Central Dr, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1949 Llano St, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1901 Nall St, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1800 Nall St, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1832 Hebert Wood Dr, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1733 Green Oak Dr, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1208 Merriman St, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

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Wednesday, January 8, 2020									
1/8/2020	1219 Lillie St, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	749 Central Dr, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	2101 Llano St, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/8/2020	1401 Merriman St, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors