

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
Friday, January 3, 2020									
1/3/2020	FM 366/Orchard Ave., Port Neches, TX	8:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	E. Port Neches/Orchard Ave., Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	303 E. 2nd St., Port Neches, TX	10:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	216-298 Sycamore St., Port Neches, TX	11:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	2000-2090 Dearing, Port Neches, TX	12:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	854 Magnolia Ave., Port Neches, TX	1:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	Gulf Ave./Eighth St., Port Neches, TX	2:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/3/2020	FM 366/Park St., Port Neches, TX	3:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
1/3/2020	2196-2198 SH 136, Port Neches, TX	4:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
1/3/2020	113 Maple St., Port Neches, TX	5:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
1/3/2020	FM 366/SH 136, Port Neches, TX	6:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/3/2020	Merriman St./Drawhorn, Port Neches, TX	6:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/3/2020	FM 366/FM 136, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/3/2020	335 Pine St., Port Neches, TX	9:05 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
Friday, January 3, 2020									
1/3/2020	106 Maple St., Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/3/2020	511 Orchard Ave., Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/3/2020	119 Pecan St., Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/3/2020	403 E. 2nd St., Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
Saturday, January 4, 2020									
1/4/2020	117 Oak St., Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	301 Pine St., Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	315 Canal St., Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	705 E. 1st St., Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	112 E. Cypress St., Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	1124 Port Neches Atlantic Rd., Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	111 Sycamore St., Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	515 Central Ave., Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	419 Ave. I, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Saturday, January 4, 2020									
1/4/2020	317 Grigsby Ave., Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	Central Park, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	606 Magnolia Ave., Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/4/2020	606 Magnolia Ave., Port Neches, TX	8:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	FM 366/SH 136, Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	Grigsby/SH 136, Port Neches, TX	10:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/4/2020	301 Grigsby Ave., Port Neches, TX	11:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/4/2020	Ave. L/Main St., Port Neches, TX	12:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/4/2020	Park St./Ave. F, Port Neches, TX	1:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odor
1/4/2020	Central Dr./Merriman St., Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	681-699 Magnolia Ave., Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	FM 366/Main St., Port Neches, TX	3:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	908 Gulf Ave., Port Neches, TX	4:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	Block St./E. Port Neches, Port Neches, TX	5:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
Saturday, January 4, 2020									
1/4/2020	Earle St./Betty Dr., Port Neches, TX	6:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	2020 Merriman St., Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	714 Santee St., Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	1901 Nall St., Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	722 Hess St., Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	1746 Green Oaks Dr., Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/4/2020	901 Lee Ave., Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
Sunday, January 5, 2020									
1/5/2020	903 Ave. B, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1613 Dallas St., Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	720 Marion St., Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1423 Dieu Ave., Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1118 Gulf Ave., Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	730 Montgomery St., Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
Sunday, January 5, 2020									
1/5/2020	1319 Katy St., Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1218 Wilson St., Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	812 West Dr., Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1214 Montrose Dr., Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	918 Block St., Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	724 Royal Ave., Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	706 Magnolia Ave., Port Neches, TX	8:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	2116 Merriman St., Port Neches, TX	8:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	1401 Merriman St., Port Neches, TX	9:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	511 Grigsby Ave., Port Neches, TX	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Merriman St./Park St., Port Neches, TX	10:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Dearing St./Ave. D, Port Neches, TX	10:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Park St./Ave. F, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Ave. L/Dearing St., Port Neches, TX	12:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
Sunday, January 5, 2020									
1/5/2020	600 Main St., Port Neches, TX	12:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Main St./Ave. D, Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Main St./Grigsby Ave., Port Neches, TX	1:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Grigsby Ave./TX 136 Spur, Port Neches, TX	2:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	101 Walnut St., Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Oak St./Canal St., Port Neches, TX	3:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Canal St./Sycamore St., Port Neches, TX	4:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Sycamore St./Pine St., Port Neches, TX	4:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	E. Cypress St./Central Ave., Port Neches, TX	5:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	426 E. 2nd St., Port Neches, TX	5:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	201 Orchard Ave., Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	Orchard Ave./TX-366, Port Neches, TX	7:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/5/2020	706 Magnolia Ave., Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/5/2020	1739 Hebert Woods Dr., Port Neches, TX	9:05 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
Sunday, January 5, 2020									
1/5/2020	1212 Sun Ave., Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/5/2020	2025 8th St., Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/5/2020	1610 Eugene St., Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/5/2020	1404 Old Way St., Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
Monday, January 6, 2020									
1/6/2020	1117 McArthur Dr., Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1725 Douglas Dr., Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1304 Lee Ave., Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1106 Grigsby Ave., Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1410 Lillie St., Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1917 Effie Cir., Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1623 Dieu St., Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1502 Dallas St., Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	710 Riffle Ave., Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
Monday, January 6, 2020									
1/6/2020	1424 Heister St., Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	1013 Wilson St., Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/6/2020	714 Gulf Ave., Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	