

# **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>Friday, January 10, 2020</b>									
1/10/2020	Central/Pine, Port Neches, TX	8:50 AM	MultiRAE/ UltraRAE	0%	0.1 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	415 Canal St., Port Neches, TX	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	115 Maple St., Port Neches, TX	10:35 AM	MultiRAE/ UltraRAE	0%	0.2 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	100-120 E. Port Neches, Port Neches, TX	11:25 AM	MultiRAE/ UltraRAE	0%	0.1 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	Park St., South of Avenue G, Port Neches, TX	12:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	737-799 Central Dr., Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	1401 Merriman St., Port Neches, TX	2:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	501-555 Avenue D, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	FM-366/SH-136, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	Main St./FM-366, Port Neches, TX	4:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	2229 Earle St., Port Neches, TX	5:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	2188-2198 Merriman St., Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/10/2020	Ave. L/Dearing St., Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/10/2020	Ave. K/Park St., Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/10/2020	Main St./Ave. J, Port Neches, TX	9:40 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
<b>Friday, January 10, 2020</b>									
1/10/2020	Ave. I/Park St., Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/10/2020	1401 Merriman St., Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/10/2020	416 Ave. F, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
<b>Saturday, January 11, 2020</b>									
1/11/2020	307 Ave. E, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	432 Ave. D, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	309 Ave. C, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	418 Ave. B, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	1007 Neches Dr., Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	804 Neches Dr., Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	113-101 Grigsby Ave., Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	106 Maple St., Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	128 Oak St., Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	116 Pecan St., Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	104 Pine St., Port Neches, TX	5:50 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
<b>Saturday, January 11, 2020</b>									
1/11/2020	311 Pine St., Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	410 E. 1st St., Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	
1/11/2020	2201 TX-136 Spur, Port Neches, TX	8:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	2025 Merriman St., Port Neches, TX	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	Herbert St/Llano St., Port Neches, TX	10:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	Avenue D/Lillie St, Port Neches, TX	11:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	Johnson Ave./Dallas St., Port Neches, TX	12:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	205 Riley St., Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	332 Avenue B, Port Neches, TX	2:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	Avenue F/Main St., Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	Avenue L/Dearing St., Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	128-158 Walnut St., Port Neches, TX	4:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	128 Sycamore St., Port Neches, TX	5:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	E 1st St./Pine St., Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	2101 Llano St., Port Neches, TX	8:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	749 Central Dr., Port Neches, TX	8:35 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>Saturday, January 11, 2020</b>									
1/11/2020	2025 Merriman St., Port Neches, TX	9:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	2213 Earle St., Port Neches, TX	9:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	509 Cheryl Ct., Port Neches, TX	10:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	509 Gloria Ct., Port Neches, TX	10:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/11/2020	509 Melissa Ct., Port Neches, TX	11:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
<b>Sunday, January 12, 2020</b>									
1/12/2020	509 Barbara Ct., Port Neches, TX	12:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2325 Saybrook Ln., Port Neches, TX	12:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	610 Thomas Haven Dr., Port Neches, TX	1:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2406 Hampton Ln., Port Neches, TX	1:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2425 Dinah Dr., Port Neches, TX	2:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	409 Carline Dr., Port Neches, TX	3:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	510 Combs Dr., Port Neches, TX	3:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	431 Kings Row, Port Neches, TX	4:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	510 Sasser Ln., Port Neches, TX	4:55 AM	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>Sunday, January 12, 2020</b>									
1/12/2020	714 Texas Ave., Port Neches, TX	5:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2413 Herms Cir., Port Neches, TX	6:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	840 Baker Ave., Port Neches, TX	6:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	726 Magnolia Ave., Port Neches, TX	7:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	TX-366/Orchard Ave., Port Neches, TX	8:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	1187-1199 Port Neches Atlantic Rd., Port Neches, TX	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	224 E 1st St., Port Neches, TX	10:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	402 Port Neches Atlantic Rd., Port Neches, TX	11:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	113-101 Grigsby Ave., Port Neches, TX	12:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	Park St./Avenue B, Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	1713 Park St., Port Neches, TX	2:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/12/2020	741-701 Central Dr., Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.0%	No odors
1/12/2020	TX-366/Gulf Ave., Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2215 Nall St., Port Neches, TX	4:50 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>Sunday, January 12, 2020</b>									
1/12/2020	739 Cherokee Ave., Port Neches, TX	5:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2217 Earle St., Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	2025 Merriman St., Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	Avenue L/Main St., Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	Avenue K/Dearing St. Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	1615 Main St., Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	315 Avenue F, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/12/2020	402 Avenue E, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
<b>Monday, January 13, 2020</b>									
1/13/2020	400-498 Avenue G, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	1401 Merriman St., Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	418 Avenue D, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	401 Rachford Ave, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	500-630 Grigsby Ave., Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	702 Riley St., Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	808 Wood St., Port Neches, TX	3:30 AM	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>Monday, January 13, 2020</b>									
1/13/2020	713 Riffle Ave., Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	726 Hess St., Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	806 Grigsby Ave., Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	749 Central Dr., Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	2002 Llano St., Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
1/13/2020	2044 Llano St., Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors