

# **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>Monday, December 30, 2019</b>									
12/30/2019	2402 Saba Ln. Port Neches, Tx	5:40 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	FM-366 & Main St. Port Neches, Tx	6:25 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	Orchard St. & FM-366, Port Neches, Tx	9:10 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	101 Orchard St. Port Neches, Tx	9:30 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	Cypress & Central Port Neches, Tx	10:15 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	113 Maple St. Port Neches, Tx	10:50 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	SH-136 & Grigsby Ave., Port Neches, Tx	11:30 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	SH-136 & FM- 366 Port Neches, Tx	12:05 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
12/30/2019	2195-2199 Park Street Port Neches, Tx	12:40 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
12/30/2019	2100-2120 Main Port Neches, Tx	1:30 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
12/30/2019	379 Ave. F, Port Neches, Tx	2:05 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
12/30/2019	431 Ave. B., Port Neches, Tx	2:40 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odor
12/30/2019	1401-1421 Merriman, Port Neches, Tx	3:15 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	1901 Llano St., Port Neches, Tx	3:50 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	1017-1099 Gulf Ave., Port Neches, TX	4:25 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/30/2019	Betty Dr. & Earle St. Port Neches, Tx	5:05 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
12/30/2019	606 Magnolia Ave., Port Neches, Tx	8:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/2019	2305 Patricia Ln., Port Neches, Tx	9:05 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/2019	641 Drawhorn Dr., Port Neches, Tx	9:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/2019	761 Texas Ave., Port Neches, Tx	10:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/2019	2449 Goodwin Ave., Port Neches, Tx	10:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/2019	503 South Ave., Port Neches, Tx	11:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
<b>Tuesday, December 31, 2019</b>									
12/31/2019	2811 Merriman Dr., Port Neches, Tx	12:00 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
12/31/2019	658 E Kitchen Dr., Port Neches, Tx	12:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	2710 Saba Ln., Port Neches, Tx	1:10 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	2841 Windsor Ln., Port Neches, Tx	1:45 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	319 Castle Dr., Port Neches, Tx	2:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	344 Twin City Hwy., Port Neches, Tx	2:55 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	3170 Jamestown Ln., Port Neches, Tx	3:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	3143 Dogwood Ln., Port Neches, Tx	4:05 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	708 Sierra Dr., Port Neches, Tx	4:40 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
12/31/2019	604 Thomas Haven Dr., Port Neches, Tx	5:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	506 Melissa Ct., Port Neches, Tx	5:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	700 Central Dr. ,Port Neches, Tx	6:25 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	Magnolia & Earle St., Port Neches, Tx	8:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	749 Central, Port Neches, Tx	9:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	706 Magnolia, Port Neches, Tx	10:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	2101-2121 Main, Port Neches, Tx	11:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	850 Goodwin Ave. Port Neches, Tx	11:25 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
12/31/2019	501-555 Avenue D, Port Neches, Tx	12:10 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	1201-1273 Main, Port Neches, Tx	1:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	SH-136 & Grigsby Ave., Port Neches, Tx	2:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/31/2019	115 Maple Street, Port Neches, Tx	2:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/31/2019	Central & Pine St., Port Neches, Tx	3:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/31/2019	202 Pine Street, Port Neches, Tx	4:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/31/2019	FM-366 & SH-136, Port Neches, Tx	5:20 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/31/2019	2001-2037 Llano St., Port Neches, Tx	6:10 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
12/31/2019	518 Cheryl Ct., Port Neches, Tx	8:30 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/31/2019	842 Cherokee Ave., Port Neches, Tx	9:05 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/31/2019	702 Texas Ave., Port Neches, Tx	9:40 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/31/2019	881 Baker Ave., Port Neches, Tx	10:15 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
12/31/2019	2425 Harms Cir. Port Neches, Tx	10:50 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
<b>Wednesday, January 1, 2020</b>									
1/1/2020	720 Little Jeff Dr. Port Neches, Tx	12:00 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	858 South Ave. Port Neches, Tx	12:35 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	2722 McBride Dr. Port Neches, Tx	1:10 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
1/1/2020	2600 River Oaks Dr., Port Neches, Tx	1:45 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	710 South Ave., Port Neches, Tx	2:20 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	740 Belle Vista St., Port Neches, Tx	2:55 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	2900 Merriman St., Port Neches, Tx	3:30 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	726 Sierra Dr., Port Neches, Tx	4:05 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	2830 Estes Ln., Port Neches, Tx	4:40 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	3166 Capitan Dr. Port Neches, Tx	5:15 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	3142 Matterhorn Dr., Port Neches, Tx	5:50 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
1/1/2020	704 Alpine Dr., Port Neches, Tx	6:25 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	706 Magnolia Ave., Port Neches, Tx	9:00 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	FM-366 & Park St., Port Neches, Tx	9:50 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	Ave L & Main St., Port Neches, Tx	10:50 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	Park St. & New St. Port Neches, Tx	11:40 AM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	301 Grigsby Ave Port Neches, Tx	12:30 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	115 Maple St., Port Neches, Tx	1:20 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	400 - 498 Central Ave, Port Neches, Tx	2:15 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
1/1/2020	Orchard & East Port Neches Ave, Port Neches, Tx	3:10 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	FM-366 & Orchard St., Port Neches, TX	4:15 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	Pine St. & FM-366, Port Neches, Tx	5:05 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	FM-366 & SH-136, Port Neches, Tx	6:00 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	606 Magnolia Ave., Port Neches, Tx	6:50 PM	MultiRAE /UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odor
1/1/2020	726 Central Dr., Port Neches, Tx	8:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.5%	No Odors
1/1/2020	701 Lee Ave., Port Neches, Tx	9:05 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.5%	No Odors
1/1/2020	1909 Effie Cir., Port Neches, Tx	9:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.5%	No Odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/Observations
1/1/2020	722 Hess St., Port Neches, Tx	10:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/1/2020	1713 Green Oaks Dr., Port Neches, Tx	10:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/1/2020	730 Ave. B, Port Neches, Tx	11:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
<b>Thursday, January 2, 2020</b>									
1/2/2020	806 Royal Ave., Port Neches, Tx	12:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	1209 Llano St., Port Neches, Tx	12:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	727 Santee St., Port Neches, Tx	1:10 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	1425 Dallas St., Port Neches, Tx	1:45 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	918 Johnson Ave., Port Neches, Tx	2:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	720 Marion St., Port Neches, Tx	2:55 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
1/2/2020	980 Gulf Ave., Port Neches, Tx	3:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	1125 Holland Ave., Port Neches, Tx	4:05 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	712 Block St., Port Neches, Tx	4:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	1002 Montgomery St., Port Neches, Tx	5:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	Pine St. and Hwy 366, Port Neches, Tx	5:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
1/2/2020	2213 Earle St., Port Neches, Tx	6:25 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors