

# **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, December 27, 2019</b>									
12/27/19	2102 Merriman St, Port Neches, Tx	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	1925 Effie Cir, Port Neches, Tx	10:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	New Ave & Llano St, Port Neches, Tx	11:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	Ave C & Merriman St, Port Neches, Tx	12:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	Park St & Ave D, Port Neches, Tx	12:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	415 Avenue I, Port Neches, Tx	1:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	Main St & Avenue L, Port Neches	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	TX-136 Spur & Gribsby Ave, Port Neches, Tx	3:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	128 -198 Walnut St, Port Neches, Tx	3:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	Sycamore & Pine St, Port Neches, Tx	4:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	Pine St & FM 366, Port Neches, Tx	4:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	511 Orchard Ave, Port Neches, Tx	5:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	FM 366 & TX-136 Spur, Port Neches, Tx	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	2149-2111 TX-136 Spur, Port Neches, Tx	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	FM 366 west of TX-136 Spur, Port Neches, Tx	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	2101 Park St, Port Neches, Tx	7:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	329 Ave F, Port Neches, Tx	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	710 Riffle Ave, Port Neches, Tx	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	1116 Jackson Ave, Port Neches, Tx	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	1526 Johnson Ave, Port Neches, Tx	10:15 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>Friday, December 27, 2019</b>									
12/27/19	914 West Dr, Port Neches, Tx	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/27/19	1214 Montrose Dr, Port Neches, Tx	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
<b>Saturday, December 28, 2019</b>									
12/28/19	1022 Washington St, Port Neches, Tx	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odors
12/28/19	1226 Port Neches Ave, Port Neches, Tx	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odors
12/28/19	1105 Lee Ave, Port Neches, tx	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/19	736 Ave D, Port Neches, Tx	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No Odors
12/28/19	428 Grigsby Ave, Port Neches, Tx	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/19	1316 Main St, Port Neches, Tx	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/19	100 Port Neches Atlantic Rd, Port Neches, Tx	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/19	HWY 366 & TX-136 Spur, Port Neches, Tx	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/19	2210 Earle St., Port Neches, Tx	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/19	772 Magnolia Ave, Port Neches, Tx	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/19	2002 Llano St., Port Neches, Tx	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/19	1708 Nall St, Port Neches, Tx	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%	No Odors
12/28/2019	705 Herbert Woods Dr., Port Neches, Tx	8:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	Rachford Ave. and Park St., Port Neches, Tx	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	736 Ave. D, Port Neches, Tx	10:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	FM-365 and Sun Ave., Port Neches, Tx	11:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	Earle St. and Betty Drive, Port Neches, Tx	12:30 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, December 28, 2019</b>									
12/28/2019	2601 Saba Ln, Port Neches, Tx	1:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	683-699 W. Kitchen Dr., Port Neches, Tx	2:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/2019	2201-2223 Nall St., Port Neches, Tx	3:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/2019	101 E. Port Neches Atlantic, Port Neches, Tx	4:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/2019	Central Ave. and Pine St., Port Neches, Tx	4:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No Odors
12/28/2019	FM-366 and Pine St., Groves, Tx	5:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/2019	FM-366 and TX-136, Port Neches, Tx	6:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	2218 Earle St, Port Neches, Tx	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	776 Magnolia Ave, Port Neches, Tx	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	2113 13th St, Port Neches, Tx	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	2108 8th St, Port Neches, Tx	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	2102 3rd St, Port Neches, Tx	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/28/19	2103 Port Neches Ave, Port Neches, Tx	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
<b>Sunday, December 29, 2019</b>									
12/29/19	1205 Wagner St, port Neches, Tx	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	902 Wilson St, Port Neches, Tx	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	661 Mildred Manor, Port Neches, Tx	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	315 Block St, Port Neches, Tx	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	709 Marion St, Port Neches, Tx	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	1213 Grigsby Ave, 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
<b>Sunday, December 29, 2019</b>									
12/29/19	1027 Dallas St, Port Neches, Tx	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	1214 Eugene St, Port Neches, Tx	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	1727 Llano St, Port Neches, Tx	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	1236 Lillie St, Port Neches, Tx	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	906 Main St, Port Neches, Tx	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/19	425 Avenue E, Port Neches, Tx	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	706 Magnolia Ave., Port Neches, Tx	8:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Magnolia Ave. and Park St., Port Neches, Tx	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	2199-2105 Park St., Port Neches, Tx	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Park St. and Ave. L Port Neches, Tx	10:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Tx 366 west of Tx-136 Spur, Port Neches, Tx	10:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Tx-136 Spur and Tx 366, Port Neches, Tx	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Tx-136 Spur approximately 0.5 miles north of Tx 366, Port Neches, Tx	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Grigsby Ave. and Tx-136 Spur, Port Neches, Tx	12:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	128 Oak St., Port Neches, Tx	12:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Pine St. and E 1st St., Port Neches, Tx	1:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Pine St. and Tx 366, Port Neches, Tx	1:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Tx-366 and Orchard Ave., Port Neches, Tx	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	789 Orchard Ave., Port Neches, Tx	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	199-129 Walnut St., Port Neches, Tx	3:00 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, December 29, 2019</b>									
12/29/2019	Park St. and Merriman St., Port Neches, Tx	3:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	803 Jackson Ave., Port Neches, Tx	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Dallas St. and Johnson Ave., Port Neches, Tx	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Dallas St. and Port Neches Ave., Port Neches, Tx	5:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	1421 Llano St., Port Neches, Tx	5:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Hebert Dr. and Nall St., Port Neches, Tx	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	Central Dr. and Llano St., Port Neches, Tx	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	2116 Merriman St., Port Neches, Tx	7:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	5510 Marion Ave., Groves, Tx	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	5511 Whitaker Ave., Groves, Tx	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	5431 Garfield Ave., Groves, Tx	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	5849 Carolina Ave., Groves, Tx	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	5349 Park Ave., Groves, Tx	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/29/2019	6244 Jackson Blvd., Groves, Tx	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
<b>Monday, December 30, 2019</b>									
12/30/19	4849 Cleveland Ave., Groves, Tx	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	4925 McKinley Ave., Groves, Tx	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	6654 Jefferson Blvd., Groves, Tx	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	6355 Hansen Blvd., Groves, Tx	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	3701 Hays Ave., Groves, Tx	2:20 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, December 30, 2019</b>									
12/30/19	3821 Suncrest Dr., Groves, Tx	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	4320 Taft Ave., Groves, Tx	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	4130 Redwood Dr., Groves, Tx	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	289 Orchard Ave., Port Neches, Tx	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	208 E 1st St., Port Neches, Tx	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	112 Pecan St., Port Neches, Tx	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors
12/30/19	911 Neches Dr., Port Neches, Tx	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No Odors