

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	SO2	HCN	Other Notes/ Observations
Wednesday, December 18, 2019											
12/18/2019	2213 Earle Street, Port Neches, TX	9:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	510 Melissa Drive, Port Neches, TX	9:30 AM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	4411-2213 Earle Street, Port Neches, TX	9:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2000 Block Merriman Street, Port Neches, TX	9:34 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors
12/18/2019	518 Donna Court, Port Neches, TX	10:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2218 Earle Street, Port Neches, TX	10:05 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	Port Neches-Groves High School, 700 Block of New	10:05 AM	MultiRAE	0%	0 ppm			21.2%	0 ppm	0 ppm	No odors
12/18/2019	2418 Dinah Drive, Port Neches, TX	10:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	Woodcrest Elementary, 1522 Heisler Street, Port Neches, TX	10:30 AM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	510 Gist Drive, Port Neches, TX	10:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.1%			No odors
12/18/2019	433 Lofton Drive, Port Neches, TX	11:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	Port Neches Elementary, 2101 Llano Street, Port Neches, TX	11:00 AM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	2705 Staton Lane, Port Neches, TX	11:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	2213 Earle Street, Port Neches, TX	11:21 AM	MultiRAE	0%	0 ppm			21.2%	0 ppm	0 ppm	No odors
12/18/2019	202 Cambridge Circle, Port Neches, TX	11:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2710 Saba Lane, Port Neches, TX	11:42 AM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	342 Castle Drive, Port Neches, TX	11:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	206 Castle Circle, Port Neches, TX	12:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	SE Corner of Highway 366 and Highway 136, Port Neches, TX	12:06 PM	MultiRAE	0%	0 ppm			21.2%	0 ppm	0 ppm	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Wednesday, December 18, 2019											
12/18/2019	330 Nugent Drive, Port Neches, TX	12:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	2813 Saba Lane, Port Neches, TX	12:30 PM	MultiRAE/UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	Groves Middle School, 5201 Wilson Street, Groves, TX	12:31 PM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	Van Buren Elementary School, 6400 Van Buren Street, Groves, TX	12:52 PM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	426 Kings Row, Port Neches, TX	1:00 PM	MultiRAE/UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2815 Reynolds Lane, Port Neches, TX	1:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	Corner of Hogaboom Road and Highway 347, Groves, TX	1:15 PM	MultiRAE	0%	0 ppm			21.4%	0 ppm	0 ppm	No odors
12/18/2019	408 Kirkwood Drive, Port Neches, TX	1:30 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	3101 Saba Lane, Port Neches, TX	1:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	Corner of Augusta Drive and Eagles Greer Circle, Groves, TX	1:38 PM	MultiRAE	0%	0 ppm			21.2%	0 ppm	0 ppm	No odors
12/18/2019	406 Caroline Drive, Port Neches, TX	2:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	450 Kings Row, Port Neches, TX	2:10 PM	MultiRAE/UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	Central Park, 2025 Merriman Street, Port Neches, TX	2:13 PM	MultiRAE	0%	0 ppm			21.3%	0 ppm	0 ppm	No odors
12/18/2019	302 Gist Drive, Port Neches, TX	2:30 PM	MultiRAE/UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2634 Mazor Drive, Port Neches, TX	2:45 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	1401 Merriman Street, Port Neches, TX	3:00 PM	MultiRAE/UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	601 Victor Drive, Port Neches, TX	3:20 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.2%			No odors
12/18/2019	1606 Park Street, Port Neches, TX	3:30 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2605 Mazor Drive, Port Neches, TX	3:55 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.2%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Wednesday, December 18, 2019											
12/18/2019	401 Avenue C, Port Neches, TX	4:00 PM	MultiRAE/UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	234 Grigsby Avenue, Port Neches, TX	4:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	6414 Caroline Avenue, Groves, TX	4:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	101 Walnut Street, Port Neches, TX	5:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	5701 Caroline Avenue, Groves, TX	5:05 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	124 Pecan Street, Port Neches, TX	5:30 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	5200 Craig Avenue, Groves, TX	5:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	203 Pine Street, Port Neches, TX	6:00 PM	MultiRAE/UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	6279 Jackson Boulevard, Groves, TX	6:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	314 E 1st Street, Port Neches, TX	6:30 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	6400 Van Boren Street, Groves, TX	6:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	726 Magnolia Avenue, Port Neches, TX	7:00 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	5201 Wilson Street, Groves, TX	7:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.3%			No odors
12/18/2019	417 Gist Drive, Port Neches, TX	8:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.7%			No odors
12/18/2019	2217 Earle Street, Port Neches, TX	8:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2510 Saba Lane, Port Neches, TX	9:05 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2750 Marilyn Lane, Port Neches, TX	9:05 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	314 Castle Drive, Port Neches, TX	9:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	662 Marilyn Lane, Port Neches, TX	9:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Wednesday, December 18, 2019											
12/18/2019	2846 Reynolds Lane, Port Neches, TX	10:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	End of Thomas Haven Drive, Port Neches, TX	10:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2601 Staton Lane, Port Neches, TX	10:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	632 Thomas Haven Drive, Port Neches, TX	10:50 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	516 Sasson Lane, Port Neches, TX	11:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	Drawhorn Drive and Merriman Street, Port Neches, TX	11:25 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
Thursday, December 19, 2019											
12/19/2019	2814 Windsor Lane, Port Neches, TX	12:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2425 Nail Street, Port Neches, TX	12:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	510 Meadow Green Drive, Port Neches, TX	12:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2313 Saybrook Lane, Port Neches, TX	12:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2721 Elizabeth Street, Port Neches, TX	1:10 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2305 Saybrook Lane, Port Neches, TX	1:10 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2624 Merriman Street, Port Neches, TX	1:45 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	506 Cheryl Court, Port Neches, TX	1:45 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	817 Goodwin Avenue, Port Neches, TX	2:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	502 Gloria Court, Port Neches, TX	2:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	636 Victor Drive, Port Neches, TX	2:55 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	505 Donna Court, 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	SO2	HCN	Other Notes/ Observations
Thursday, December 19, 2019											
12/19/2019	712 Little Jeff Drive, Port Neches, TX	3:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2426 Dinah Drive, Port Neches, TX	3:30 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2702 River Oaks Drive, Port Neches, TX	4:05 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2422 Hampton Lane, Port Neches, TX	4:05 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	732 Cherokee Avenue, Port Neches, TX	4:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2450 Merriman Street, Port Neches, TX	4:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	840 Baker Avenue, Port Neches, TX	5:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	799 N Cherokee Avenue, Port Neches, TX	5:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2221 Patricia Lane, Port Neches, TX	5:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	714 Texas Avenue, Port Neches, TX	5:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	749 Central Drive, Port Neches, TX	6:25 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	2025 Merriman Street, Port Neches, TX	6:25 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/19/2019	1606 Park Street, Port Neches, TX	7:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors