

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	Other Notes/ Observations
Monday, December 16, 2019										
12/16/2019	2025 Merriman St, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0.10 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Central Park, 2100-2102 Park St, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Port Neches Elementary School, 2101 Llano St, Port Neches, TX	9:21 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	1717 Green Oaks Dr, Port Neches, TX	9:35 AM	MultiRAE/ UltraRAE	0%	0.13 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Avenue L & Main St, 2129-2123 Main St, Port Neches, TX	9:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Port Neches-Groves High School, 1606 Park St, Port Neches, TX	9:39 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	706 Magnolia Ave, Port Neches, TX	9:55 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	716 Holland Ave, Port Neches, TX	10:10 AM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	411 Avenue K, Port Neches, TX	10:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Port Neches Park, Port Neches, TX	10:10 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	500 Grigsby Ave, Port Neches, TX	10:45 AM	MultiRAE/ UltraRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Port Neches Park, 700-898 Park St, Port Neches, TX	10:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Woodcrest Elementary, 1522 Heisler St, Port Neches, TX	11:15 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	327 Avenue B, Port Neches, TX	11:20 AM	MultiRAE/ UltraRAE	0%	0.19 ppm	0 ppm	0 ppm	20.9%		No odors

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Monday, December 16, 2019										
12/16/2019	Port Neches-Groves High School, 1606 Park St, Port Neches, TX	11:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	601 Grigsby Ave, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Gathering Place Church, 1011 Grigsby Ave, Port Neches, TX	11:34 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	100 Port Neches Atlantic Rd, Port Neches, TX	11:55 AM	MultiRAE/ UltraRAE	0%	0.14 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	606 Avenue C, Port Neches, TX	11:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	701 Riley St, Port Neches, TX	12:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	101 Walnut St, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0.10 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	The Feed Store, 301 Grigsby Ave, Port Neches, TX	12:34 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	806 Jackson Ave, Port Neches, TX	12:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Avenue F & Dearing St, Port Neches, TX	12:50 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	106 Oak St, Port Neches, TX	1:05 PM	MultiRAE/ UltraRAE	0%	0.08 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	726 Hess St, Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	39th St & FM 366, Port Neches, TX	1:23 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	500 Central Ave, Port Neches, TX	1:40 PM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Merriman St & Avenue C, Port Neches, TX	1:45 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	909 Llano St, Port Neches, TX	1:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/ Observations
Monday, December 16, 2019										
12/16/2019	208 Pine St, Port Neches, TX	2:15 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	Port Neches Ave & Nall St, Port Neches, TX	2:17 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/16/2019	713 Grigsby Ave, Port Neches, TX	2:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	303 E 2nd St, Port Neches, TX	2:50 PM	MultiRAE/ UltraRAE	0%	0.13 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	1117 Dallas St, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	426 E 2nd St, Port Neches, TX	3:25 PM	MultiRAE/ UltraRAE	0%	0.08 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	1711 Nall St, Port Neches, TX	3:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	326 Avenue D, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0.17 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	1925 Effie Circle, Port Neches, TX	4:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	325 Avenue F, Port Neches, TX	4:35 PM	MultiRAE/ UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	700 Central Dr, Port Neches, TX	4:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	1201 Merriman St, Port Neches, TX	5:10 PM	MultiRAE/ UltraRAE	0%	0.12 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	101 E Port Neches Ave, Port Neches, TX	5:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	702 Riley St, Port Neches, TX	5:45 PM	MultiRAE/ UltraRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	115 Maple St, Port Neches, TX	5:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	704 Holland Ave, Port Neches, TX	6:20 PM	MultiRAE/ UltraRAE	0%	0.18 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	107 Pecan St, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/ Observations
Monday, December 16, 2019										
12/16/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	6:55 PM	MultiRAE/ UltraRAE	0%	0.16 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	225 E 2nd St, Port Neches, TX	7:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	109 Sycamore St, Port Neches, TX	9:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	598-550 Central Ave, Port Neches, TX	9:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	201 Orchard Ave, Port Neches, TX	9:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	499 Central Ave, Port Neches, TX	10:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	149 E Cypress St, Port Neches, TX	10:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	1029 Port Neches Atlantic Rd, Port Neches, TX	10:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	203 Canal St, Port Neches, TX	11:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	101 Walnut St, Port Neches, TX	11:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/16/2019	333 Pine St, Port Neches, TX	11:55 PM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	21.2%		No odors
Tuesday, December 17, 2019										
12/17/2019	107 Pecan St, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	Pine St & Hwy 366, Port Neches, TX	12:30 AM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	272-298 Port Neches Atlantic Rd, Port Neches, TX	1:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	Orchard Ave & Port Neches Atlantic Rd, Port Neches, TX	1:05 AM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	21.2%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/ Observations
Tuesday, December 17, 2019										
12/17/2019	100 Port Neches Atlantic Rd, Port Neches, TX	1:40 AM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	21.3%		No odors
12/17/2019	401-487 E Port Neches Ave, Port Neches, TX	2:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	303 E 2nd St, Port Neches, TX	2:15 AM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	Hwy 136 & Grigsby Ave, Port Neches, TX	2:50 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.3%		No odors
12/17/2019	402 E First St, Port Neches, TX	3:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	128 Oak St, Port Neches, TX	3:25 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.3%		No odors
12/17/2019	6173 FM 366, Port Neches, TX	4:00 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.3%		No odors
12/17/2019	116 Sycamore St, Port Neches, TX	4:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	402 Port Neches Atlantic Rd, Port Neches, TX	4:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	515 Central Ave, Port Neches, TX	5:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	637 Drawhorn Dr, Port Neches, TX	5:10 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	2425 Nall St, Port Neches, TX	5:45 AM	MultiRAE/ UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	705 E First St, Port Neches, TX	6:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/17/2019	2450 Merriman St, Port Neches, TX	6:20 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	2820 Merriman St, Port Neches, TX	6:55 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	21.2%		No odors
12/17/2019	1606 Park St, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors