

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
Monday, December 9, 2019											
12/9/2019	1990 Llano St, Port Neches, TX	6:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	6:17 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	207 Port Neches Atlantic Road, Port Neches, TX	6:22 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Port Neches Groves High School 1401 Merriman St, Port Neches, TX	6:32 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	779 Central Dr, Port Neches, TX	6:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Orchard Avenue and Highway 366, Port Neches, TX	6:36 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	PNG High School Football Stadium near Avenue D and Park St, Port Neches, TX	6:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Woodcrest Elementary School, 1522 Heisler Street, Port Neches, TX	6:48 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Grigsby Avenue and Neches Drive, Port Neches, TX	6:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Port Neches Park, 601 Grigsby Avenue, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	2025 Merriman St, Port Neches, TX	7:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	1728 Park St, Port Neches, TX	7:02 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Central Park, 2116 Merriman Street, Port Neches, TX	7:12 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	419 Avenue I, Port Neches, TX	7:20 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	Doornbos Heritage Park, 2301 Avenue H, Nederlandm TX	7:32 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	401 Avenue J, Port Neches, TX	7:38 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	100 1/2 East Port Neches Ave, Port Neches, TX	7:39 AM	UltraRAE/ MultiRAE	0%	0.050 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	2001 Merriman St, Port Neches, TX	7:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Canal Street and Pecan Street, Port Neches, TX	7:54 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	430 Avenue J, Port Neches, TX	7:55 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	East Port Neches Ave and Orchard Ave, Port Neches, TX	8:07 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	749 Central Dr, Port Neches, TX	8:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	1900 Park St, Port Neches, TX	8:12 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Port Neches Groves High School, 1401 Merriman Street, Port Neches, TX	8:22 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Pine Street and Sycamore Street, Port Neches, TX	8:29 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	2000 Park St, Port Neches, TX	8:29 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2101 Llano St, Port Neches, TX	8:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Woodcrest Elementary School, 1522 Heisler Street, Port Neches, TX	8:42 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	426 E 2nd Street, Port Neches, TX	8:46 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	711 Royal Ave, Port Neches, TX	8:48 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	726 Magnolia Ave, Port Neches, TX	8:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	Sycamore Street and Port Neches Atlantic Rd, Port Neches, TX	9:00 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	350 Twin City Hwy, Port Neches, TX	9:05 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2221 Merriman St, Port Neches, TX	9:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Groves Middle School, 5201 Wilson Street, Groves, TX	9:18 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	1615 Main St, Port Neches, TX	9:23 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Oak Bluff Memorial Park, 618 Block, Port Neches, TX	9:28 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	2300 Saybrook Ln, Port Neches, TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2138 Park St, Port Neches, TX	9:40 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Gathering Place Church, 1011 Grigsby Avenue, Port Neches, TX	9:42 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	506 Gloria St, Port Neches, TX	9:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Effie & Wilton Hebert Library, 2025 Merriman Street, Port Neches, TX	9:53 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Bethel Methodist Church, 1125 Wilson Street, Port Neches, TX	9:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	328 Avenue F, Port Neches, TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	606 Magnolia Ave, Port Neches, TX	10:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	400 Avenue F, Port Neches, TX	10:17 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	864 Magnolia Ave, Port Neches, TX	10:20 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	Ridgewood Elementary School, 2820 Merriman Street, Port Neches, TX	10:28 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	513 Drawhorn Dr, Port Neches, TX	10:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Almost Home Skills Clinic, Avenue D and Nall Street, Port Neches, TX	10:37 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	706 Magnolia Ave, Port Neches, TX	10:37 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Sunset Park, 899 Port Neches Avenue, Port Neches, TX	10:42 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	509 Cheryl Ct, Port Neches, TX	10:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Port Neches Park, 601 Grigsby Ave, Port Neches, TX	10:51 AM	UltraRAE/ MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	Baker Avenue and Merriman Street, Port Neches, TX	10:58 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors detected
12/9/2019	854 Magnolia Ave, Port Neches, TX	11:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	4411, 2213 Earle St, Port Neches, TX	11:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2025 Merriman St, Port Neches, TX	11:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	750 Central Dr, Port Neches, TX	11:32 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	700 Central Dr, Port Neches, TX	11:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	700 Central Dr, Port Neches, TX	12:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	864 Magnolia Ave, Port Neches, TX	12:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	12:30 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	772 Magnolia Ave, Port Neches, TX	12:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	413 Ave D, Port Neches, TX	12:36 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Port Neches Goves High School, 1401 Merriman St, Port Neches, TX	12:37 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	Port Neches Groves High School, 1401 Merriman St, Port Neches, TX	12:41 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	716 Magnolia Ave, Port Neches, TX	12:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	301 Grisby Ave, Port Neches, TX	12:54 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	Port Neches Middle School, 749 Central Drive, Port Neches, TX	12:55 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	100 East Port Neches Ave, Port Neches, TX	1:05 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	303 Ave O, Port Neches, TX	1:07 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	749 Central Dr, Port Neches, TX	1:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Woodcrest Elementary School, 1522 Heisler St, Port Neches, TX	1:11 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	106 Maple Street, Port Neches, TX	1:15 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	200 Sycamore St, Port Neches, TX	1:24 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	Intersection of Grigsby and Spur 136, Port Neches, TX	1:29 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	2001 Nall St, Port Neches, TX	1:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	401 Ave C, Port Neches, TX	1:41 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	Woodcrest Elementary School, 1425 Heisler St, Port Neches, TX	1:44 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	106 Maple Street, Port Neches, TX	1:46 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	2215 Nall St, Port Neches, TX	1:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	The Gathering Place Church, 1105 Grigsby Ave, Port Neches, TX	1:56 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	1001 West Drive, Port Neches, TX	2:03 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	761 Texas Ave, Port Neches, TX	2:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	431 Ave B, Port Neches, TX	2:11 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	1810 Port Neches Ave, Port Neches, TX	2:16 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	1720 Magnolia Ave, Port Neches, TX	2:26 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	2401 Harms Cir, Port Neches, TX	2:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2239 Nall St, Port Neches, TX	2:39 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		21.3%	0 ppm		No odors detected
12/9/2019	1100 Main St, Port Neches, TX	2:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	609 Drawhorn Dr, Port Neches, TX	2:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	1226 Llano St, Port Neches, TX	3:00 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	410 E. First St, Port Neches, TX	3:02 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		21.2%	0 ppm		No odors detected
12/9/2019	506 Donna Ct, Port Neches, TX	3:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2006 5th St, Port Neches, TX	3:12 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	1942 Effie Cir, Port Neches, TX	3:18 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2314 5th St, Port Neches, TX	3:24 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	Pine St and Central Ave, Port Neches, TX	3:24 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		21.2%	0 ppm		No odors detected
12/9/2019	2222 Earle St, Port Neches, TX	3:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	2547 4th St, Port Neches, TX	3:39 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Monday, December 9, 2019											
12/9/2019	Effie and Wilton Hebert Public Library, 2025 Merriman St, Port Neches, TX	3:41 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		21.2%	0 ppm		No odors detected
12/9/2019	606 Magnolia Ave, Port Neches, TX	3:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	PNG High School Football Stadium near Avenue D and Park St, Port Neches, TX	3:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	215 S. 3rd St, Nederland, TX	3:53 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	726 Magnolia Ave, Port Neches, TX	3:56 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		21.2%	0 ppm		No odors detected
12/9/2019	Boat ramp at intersection of Merriman St and Park St, Port Neches, TX	4:10 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	776 Magnolia Ave, Port Neches, TX	4:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	1302 Magnolia Ave, Port Neches, TX	4:11 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	First Baptist Church of Port Neches, 1900 Magnolia Ave, Port Neches, TX	4:22 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	1713 Park St, Port Neches, TX	4:23 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/9/2019	618 Block St, Port Neches, TX	4:24 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	2401 Port Neches Ave, Port Neches, TX	4:33 PM	UltraRAE/ MultiRAE		0 ppm	0 ppm		20.9%	0 ppm		No odors detected
12/9/2019	2041 12th St, Port Neches, TX	4:39 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	401-499 Avenue J, Port Neches, TX	4:55 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected
12/9/2019	331 Avenue E, Port Neches, TX	5:05 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odors detected