

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
Tuesday, December 10, 2019											
12/10/2019	Port Neches-Groves High School, 1401 Merriman Street, Port Neches, TX	6:22 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.6%	0 ppm		No odor
12/10/2019	Woodcrest Elementary, 1522 Heisler Street, Port Neches, TX	6:27 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	749 Central Dr, Port Neches, TX	6:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Port Neches Middle School, 749 Central Drive, Port Neches, TX	6:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.7%	0 ppm		No odor
12/10/2019	Port Neches-Groves High School, 1401 Merriman Street, Port Neches, TX	6:40 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	1713 Park St, Port Neches, TX	6:45 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2101 Llano St, Port Neches, TX	6:50 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Port Neches Elementary School, 2101 Llano, Port Neches, TX	6:52 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	Port Neches Middle School, 749 Central Drive, Port Neches, TX	6:54 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	709 Magnolia Avenue, Port Neches, TX	7:06 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	Ridgewood Elementary, 2820 Merriman, Port Neches, TX	7:07 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	413 Avenue I, Port Neches, TX	7:14 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	527 Landry Drive, Port Neches, TX	7:20 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	PNG Alternative Education Center, 1810 Port Neches Ave, Port Neches, TX	7:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	717 Central Dr, Port Neches, TX	7:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Woodcrest Elementary, 1522 Heisler Street, Port Neches, TX	7:37 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	400 Avenue J/1900 Dearing St, Port Neches, TX	7:49 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2025 Merriman St, Port Neches, TX	7:50 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	706 Magnolia Ave, Port Neches, TX	8:10 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Port Neches Park, 705 Merriman, Port Neches, TX	8:12 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	400 Avenue L/2100 Dearing St, Port Neches, TX	8:18 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	526 Gist Dr, Port Neches, TX	8:28 AM	MultiRAE/ UltraRAE	0%	0.1 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	776 Magnolia Ave, Port Neches, TX	8:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2805 Hampton Lane, Port Neches, TX	8:38 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	2401 Saba Lane, Port Neches, TX	8:44 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	2001 Nall St, Port Neches, Tx	8:50 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	211 Castle Circle, Port Neches, TX	8:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	2801 Hampton Lane, Port Neches, TX	8:57 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	7374 Indian River Dr. Port Arthur, TX	9:08 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	1990 Llano St, Port Neches, TX	9:10 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	661 Kitchen Drive, Port Neches, TX	9:10 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	Grace Church, 4601 Rice Farm Rd. Port Arthur, TX	9:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	2213 Earle St, Port Neches, TX	9:23 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	431 Meadowgreen Dr, Port Neches, TX	9:24 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	864 Magnolia Ave, Port Neches, TX	9:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	4998 60th Street, Port Arthur, TX	9:34 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	202 Camebridge Circle, Port Neches, TX	9:35 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	651 Ridgewood Dr, Port Neches, TX	9:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	6293 Twin City Hwy, Port Arthur, TX	9:46 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	2239 Nall St, Port Neches, TX	9:50 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	500 Betty Ct/2200 Earle St, Port Neches, TX	9:55 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	624 Drawhorn Dr, Port Neches, TX	9:57 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	5801 Twin City Hwy, Port Arthur, TX	10:00 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	834 Texas Ave, Port Neches, TX	10:10 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	4866 Ninth Avenue, Port Arthur, TX	10:12 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	347/SH 136 Spur, Port Neches, TX	10:25 AM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	2402 Saba Ln, Port Neches, TX	10:27 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	717 Texas Ave, Port Neches, TX	10:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	5785 Mockingbird Lane, Groves, TX	10:36 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	Groves Middle School, 5201 Wilson Avenue, Groves, TX	10:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/10/2019	2321 Saybrook Ln, Port Neches, TX	10:50 AM	MultiRAE/ UltraRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	450 Kings Rd, Port Neches, TX	10:59 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	637 Drawhorn Dr, Port Neches, TX	11:10 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	509 Melissa Ct, Port Neches, TX	11:30 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Van Buren Elementary School, 6300 Van Buren/5200 Garfield Ave, Groves, TX	11:41 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2222 Earle St, Port Neches, TX	11:50 AM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	413 Gist Dr, Port Neches, TX	12:10 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	6100 Hogaboom Rd, Groves, TX	12:12 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	1401 Merriman Street, Port Neches, TX	12:14 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	2645 Nall Street, Port Neches, TX	12:22 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	Hess St./Merriman St., Port Neches, TX	12:28 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	606 Magnolia Ave, Port Neches, TX	12:30 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	694 E Kitchen Dr., Port Neches, TX	12:32 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	903 Avenue B, Port Neches, TX	12:39 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	637 W Kitchen Dr., Port Neches, TX	12:42 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	2118 Merriman St, Port Neches, TX	12:50 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	3154 Saba Lane, Port Neches, TX	12:57 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	5800 Alabama Ave/6000 Mockingbird Ln, Groves, TX	1:05 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2025 Merriman St, Port Neches, TX	1:10 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	218 3rd Street, Nederland, TX	1:20 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	2001 Merriman St, Port Neches, TX	1:30 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	312 S 2nd Street, Nederland, TX	1:31 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	5940 Georgia Ave, Groves, TX	1:32 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	806 S 5th Street, Nederland, TX	1:44 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	745 Gulf Ave, Port Neches, TX	1:50 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2820 Merriman Street, Port Neches, TX	1:51 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	2600 Grand Blvd, Port Neches, TX	1:55 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	6010 Carolina Ave, Groves, TX	2:04 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2425 Nall Street, Port Neches, TX	2:06 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	754 Central Dr, Port Neches, TX	2:10 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	8th Street/Texas Avenue, Port Neches, TX	2:20 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	409 Lofton Dr, Port Neches, TX	2:30 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	5700 Georgia Ave, Groves, TX	2:30 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	749 Central Dr., Port Neches, TX	2:37 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	4411 Earle St, Port Neches, TX	2:50 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	1522 Heisler Street, Port Neches, TX	2:54 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	5749 Carolina Ave, Groves, TX	3:03 PM	MultiRAE/ UltraRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Port Neches Middle School, 749 Central Drive, Port Neches	3:06 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	2101 Llano St, Port Neches, TX	3:10 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Port Neches-Groves High School, 1401 Merriman, Port Neches, TX	3:19 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	6th Street/Magnolia Ave, Port Neches, TX	3:23 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	761 Gulf Ave, Port Neches, TX	3:30 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	Woodcrest Elementary School, 1522 Heisler Street, Port Neches, TX	3:34 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	726 Magnolia Avenue, Port Neches, TX	3:39 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	6001 FM 366, Port Neches, TX	3:40 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
Tuesday, December 10, 2019											
12/10/2019	2025 Merriman St, Port Neches, TX	3:50 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	606 Magnolia Avenue, Port Neches, TX	3:55 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	2138 12th Street, Port Neches, TX	4:02 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	716 Magnolia Ave, Port Neches, TX	4:10 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	2025 Merriman Street, Port Neches, TX	4:11 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor
12/10/2019	12th Street and Baker Avenue, Port Neches, TX	4:12 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	5441 Hogaboom Rd, Groves, TX	4:14 PM	MultiRAE	0%	0.0 ppm	0.0 ppm	0.0 ppm	20.9%			No odor.
12/10/2019	3001 8th Street, Port Neches, TX	4:24 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	Highland Park Elementary School, 200 S 6th Street, Nederland, TX	4:36 PM	MultiRAE / UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
12/10/2019	200 N 7th Avenue, Nederland, TX	4:37 PM	MultiRAE	0%	0 ppm			20.9%	0 ppm	0 ppm	No odor