

# **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	SO2	Butadiene	Other Notes/Observations
<b>Tuesday, December 10, 2019</b>											
12/10/2019	2213 Earle St, Port Neches, TX	6:22 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Park St & Magnolia Ave, Port Neches, TX	6:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	2101 Llano St, Port Neches, TX	6:32 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	606 Magnolia Ave, Port Neches, TX	6:45 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	3185 Merriman St, Port Neches, TX	6:46 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light marsh burning
12/10/2019	FM 366 & SH-136, Port Neches, TX	6:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	SH-136 & Grigsby Ave, 2196-2198 SH-136, Port Neches, TX	7:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	4556 75th St, Port Arthur, TX	7:07 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light marsh burning
12/10/2019	Hwy 136 & Magnolia Ave, Port Neches, TX	7:15 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	1039 Nederland Ave, Nederland, TX	7:20 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Hwy 136 & Hwy 347, Port Neches, TX	7:30 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	101-199 Maple St, Port Neches, TX	7:35 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	FM 366 & SH-136, Port Neches, TX	7:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	3109 Saba Ln, Port Neches, TX	7:45 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	1511 Gary Ave, Nederland, TX	7:53 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Saba Ln & Gist Dr, Port Neches, TX	7:55 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	8:05 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	100-198 Orchard Ave, Port Neches, TX	8:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/Observations
<b>Tuesday, December 10, 2019</b>											
12/10/2019	FM 366 & SH-136, Port Neches, TX	8:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	2000 Merriman St, Port Neches, TX	8:20 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	8:30 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	FM 366 & SH-136, Port Neches, TX	8:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Park St & Grigsby St, Port Neches, TX	8:52 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	FM 366 & Pine St, Groves, TX	8:55 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	2820 Merriman St, Port Neches, TX	9:06 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light marsh burning
12/10/2019	Oak Bluff Memorial Park Cemetery, Port Neches, TX	9:20 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	FM 366 & SH-136, Port Neches, TX	9:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	618 Block St, Port Neches, TX	9:23 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	FM 366 & SH-136, Groves, TX	9:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.1%			No odors
12/10/2019	Port Neches Atlantic Rd & Orchard Ave, Port Neches, TX	9:35 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Port Neches Atlantic Rd & Orchard Ave, Port Arthur, TX	9:40 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Avenue L & Dearing St, Port Neches, TX	10:00 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	FM 366 & SH-136, Port Neches, TX	10:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	FM 366 & Main St, Port Neches, TX	10:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.1%			No odors
12/10/2019	Avenue L & Park St, Port Neches, TX	10:12 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/Observations
<b>Tuesday, December 10, 2019</b>											
12/10/2019	Port Neches Little League Fields, Port Neches, TX	10:17 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Earle St & Magnolia Ave, Port Neches, TX	10:25 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Gist Dr & Earle St, Port Neches, TX	10:35 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	Park St & Avenue L, Port Neches, TX	10:35 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odors
12/10/2019	2378 Nall St, Port Neches, TX	10:36 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	606 Magnolia Ave, Port Neches, TX	10:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	1517 West Ave, Port Neches, TX	10:47 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/10/2019	Main St & Avenue L, Port Neches, TX	11:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	726 Magnolia Ave, Port Neches, TX	11:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/10/2019	New St & Merriman St, Port Neches, TX	11:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
<b>Wednesday, December 11, 2019</b>											
12/11/2019	149 E Cypress St, Port Neches, TX	12:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	301 Grisgby Ave, Port Neches, TX	12:05 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	2301 Saybrook Ln, Port Neches, TX	12:09 AM	MultiRAE	0%	0 ppm	0 ppm		21.1%	0 ppm		No odors
12/11/2019	Nederland High School, 2108 N 18th St, Nederland, TX	12:10 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	C.O. Wilson Middle School, 2620 Helena Ave, Nederland, TX	12:25 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	320 Gist Dr, Port Neches, TX	12:32 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	FM 366 & Earle St, Port Neches, TX	12:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/Observations
<b>Wednesday, December 11, 2019</b>											
12/11/2019	Central Middle School, 200 N 17th St, Nederland, TX	12:39 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Highland Park Elementary, 200 S 6th St, Nederland, TX	12:51 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	2718 Saba Ln, Port Neches, TX	12:56 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	FM 366 & SH-136, Port Neches, TX	1:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odors
12/11/2019	198-100 Pecan St, Port Neches, TX	1:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Nederland Alternative Educational School, 300 S 12th St, Nederland, TX	1:00 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Hillcrest Elementary, 2611 Avenue H, Nederland, TX	1:09 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	201 Cambridge Circle, Port Neches, TX	1:17 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	Ridgeway Elementary, 2820 Merriman St, Port Neches, TX	1:20 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	1269-1399 Merriman St, Port Neches, TX	1:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Hwy 136 Spur & Hwy 366, Port Neches, TX	1:43 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	Saba Ln & Castle Dr, Port Neches, TX	1:44 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	101 Walnut St, Port Neches, TX	2:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Saba Ln & Gist Dr, Port Neches, TX	2:06 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	393 Twin City Hwy, Port Neches, TX	2:07 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	1001-1199 Lee Ave, Port Neches, TX	2:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Earle St & Magnolia Ave, Port Neches, TX	2:15 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/Observations
<b>Wednesday, December 11, 2019</b>											
12/11/2019	604 Thomas Haven Dr, Port Neches, TX	2:27 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	3185 Merriman St, Port Neches, TX	2:30 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	2752 Merriman St, Port Neches, TX	2:49 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	1614 Llano St, Port Neches, TX	2:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.1%			No odors
12/11/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	2:59 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	101-125 Orchard Ave, Port Neches, TX	3:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	3:08 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	686 E Kitchen Dr, Port Neches, TX	3:09 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	Grigsby Ave & Marion St, Port Neches, TX	3:24 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	Woodcrest Elementary, 1522 Heisler St, Port Neches, TX	3:35 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	2180 Park St, Port Neches, TX	3:35 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	210 Canal St, Port Neches, TX	3:40 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.1%			No odors
12/11/2019	Magnolia Church, 2215 Nall St, Port Neches, TX	3:51 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	1680 Park St, Port Neches, TX	3:56 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	Port Neches Middle School, 749 Central Dr, Port Neches, TX	4:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	149 E Cypress St, Port Neches, TX	4:05 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.1%			No odors
12/11/2019	H.E.B. 4800B & FM 365, Port Arthur, TX	4:05 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Wednesday, December 11, 2019</b>											
12/11/2019	1993 Merriman St, Port Neches, TX	4:22 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	FM 366 & Pine St, Port Neches, TX	4:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	3154 Jamestown Circle, Port Neches, TX	4:30 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/11/2019	2215 Earle St, Port Neches, TX	4:42 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/11/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	5:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors