

# **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, UltraRAEs 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>Friday, November 29, 2019</b>											
11/29/2019	3870 Eastex Freeway, Beaumont TX	6:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	5955 Ohio St, Beaumont TX	6:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Neches St & Grigsby Ave, Port Neches TX	6:55 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/29/2019	Main St & Avenue G, Port Neches TX	7:09 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			
11/29/2019	5053 S M L King Jr Pkwy, Beaumont TX	7:20 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	6290 SH-347 S, Beaumont TX	7:25 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	5091 Rolfe Christopher Dr, Beaumont TX	7:27 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Magnolia Ave & Park St, Port Neches TX	7:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			Mild smoke odor
11/29/2019	710 Iowa Ave, Beaumont TX	7:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	4005 Jimmy Simmons Blvd, Beaumont TX	7:42 AM	MultiRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			Light propane smell
11/29/2019	6355 US 69 Access Rd S, Beaumont TX	7:42 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	3890 Highland Ave, Beaumont TX	7:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	6110 39th St, Groves TX	7:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/29/2019	DuPont Rd, Beaumont TX	7:54 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	5315 SH-347 S, Nederland TX	8:04 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	550 W Cardinal Dr, Beaumont TX	8:08 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	516 Orchard Ave, Port Neches TX	8:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			Slight odor
11/29/2019	110 Eighth Ave, Nederland TX	8:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	123 Seventh Ave, Nederland TX	8:26 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	365 Orchard Ave, Port Neches TX	8:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	3910 Central Blvd, Nederland TX	8:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Friday, November 29, 2019</b>											
11/29/2019	207 Central Blvd, Nederland TX	8:46 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	900 Amarillo St, Beaumont TX	8:55 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	129 Ninth Ave, Nederland TX	8:59 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	103 Orchard Ave, Port Neches TX	9:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/29/2019	1399 Carroll St, Beaumont TX	9:10 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			Light oil odor
11/29/2019	1029 Port Neches Atlantic Rd, Port Neches TX	9:20 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/29/2019	905 Doucet Ave, Beaumont TX	9:24 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	3819 N. Twin City Hwy, Nederland TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1882 Park St, Beaumont TX	9:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	906 Doornbos Ln, Nederland TX	9:39 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2703 Memphis Ave, Nederland TX	9:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2515 Canal Ave, Nederland TX	9:52 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1224 N 22nd St, Nederland TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2308 Oak Ridge Ave, Nederland TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	3112 Moor Dr, Nederland TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2120 Helena Ave, Nederland TX	10:09 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2607 Nashville Ave, Nederland TX	10:21 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	710 N 11th St, Beaumont TX	10:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1476 Louisiana Ave, Beaumont TX	10:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1220 N 34th St, Nederland TX	10:55 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Friday, November 29, 2019</b>											
11/29/2019	510N M L King Jr Pkwy, Beaumont TX	10:58 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Nederland High School, 2108 N. 18th St, Nederland TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%		0 ppm	No odor
11/29/2019	1803 N 18th St, Nederland TX	11:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	712 N 31st St, Nederland TX	11:04 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1610 I-10 Frontage Rd, Beaumont TX	11:08 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	716 N. Ninth St, Nederland TX	11:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	370 Rose City Dr, Vidor TX	11:17 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Nederland High School, 2108 N. 18th St, Nederland TX	11:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%		0 ppm	No odor
11/29/2019	295 Flamingo St, Vidor TX	11:28 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2108 N 18th St, Nederland TX	11:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Groves High School, 1401 Merriman St, Port Neches TX	11:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%		0 ppm	Slight smoke smell
11/29/2019	Groves High School, 1401 Merriman St, Port Neches TX	12:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2166 Merriman St, Port Neches TX	12:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	500-630 Grigsby Ave, Port Neches TX	12:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2025 Merriman St, Port Neches TX	12:49 PM	MultiRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	2001 Merriman St, Port Neches TX	12:55 PM	MultiRAE	0%	0.18 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1302 Port Neches Ave, Port Neches TX	1:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1745 Green Oak Dr, Port Neches TX	1:15 PM	MultiRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Friday, November 29, 2019</b>											
11/29/2019	1840 Hebert Woods Dr, Port Neches TX	1:20 PM	MultiRAE	0%	0.14 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1126 Port Neches Ave, Port Neches TX	1:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1830 Llano St, Port Neches TX	1:25 PM	MultiRAE	0%	0.19 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1910 Stella Cir, Port Neches TX	1:28 PM	MultiRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1826 Nall St, Port Neches TX	1:31 PM	MultiRAE	0%	0.19 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1600 Welch Ave, Port Neches TX	1:38 PM	MultiRAE	0%	0.13 ppm	0 ppm	0 ppm	20.9%			Moderate burned rubber odor
11/29/2019	1425 Nall St, Port Neches TX	1:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2006 Nall St, Port Neches TX	2:00 PM	MultiRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	124 1st Ave, Nederland TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	1900 Llano St, Port Neches TX	2:05 PM	MultiRAE	0%	0.06 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	1900 Llano St, Port Neches TX	2:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/29/2019	1334 Spurlock Rd, Nederland TX	2:12 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	2116 Merriman St, Port Neches TX	2:17 PM	MultiRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	3749 Highway 69 N, Beaumont TX	2:17 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	1204 N 18th St, Nederland TX	2:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	302 Gage Ave, Nederland TX	2:23 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	2239 Nall St, Port Neches TX	2:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/29/2019	2591 Port Neches Ave, Port Neches TX	2:33 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	809 Golf Ave, Port Neches TX	2:40 PM	MultiRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	3411 Spurlock Rd, Nederland TX	2:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Friday, November 29, 2019</b>											
11/29/2019	2512 Detroit Ave, Nederland TX	2:51 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2025 Merriman St, Port Neches TX	2:52 PM	MultiRAE	0%	0.12 ppm	0 ppm	0 ppm	20.9%			Light burned rubber odor
11/29/2019	2143 5th St, Port Neches TX	2:53 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light intensity burning wood odor
11/29/2019	2001 Merriman St, Port Neches TX	2:56 PM	MultiRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1220 Dallas St, Nederland TX	3:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	845 Goodwin Ave, Port Neches TX	3:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/29/2019	714 N 26th St, Nederland TX	3:04 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	31st St & Spurlock Rd, Nederland TX	3:04 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	707 Helena Ave, Nederland TX	3:08 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2140 Park St, Port Neches TX	3:13 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		Light to moderate burning wood/metal odor
11/29/2019	2901 Helena Ave, Nederland TX	3:16 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	200 N 17th St, Nederland TX	3:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2602 Merriman St, Port Neches TX	3:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2621 Windmill Ln, Nederland TX	3:26 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1011 Nederland, Nederland TX	3:33 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	3101 Vernon St, Nederland TX	3:34 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	210 N 27th St, Nederland TX	3:37 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Ridgewood Elementary School, 2820 Merriman St, Port Neches TX	3:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Friday, November 29, 2019</b>											
11/29/2019	3020 Tyler Road, Nederland TX	3:41 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	1528 Merriman St, Port Neches TX	3:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	104 N Memorial Fwy, Nederland TX	3:48 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1745 Green Oak Dr, Port Neches TX	3:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1840 Hebert Woods Dr, Port Neches TX	3:55 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	1830 Llano St, Port Neches TX	3:58 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	706 Magnolia Ave, Port Neches TX	4:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2119 Nederland Ave, Nederland TX	4:01 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2906 Tyler Rd, Nederland TX	4:01 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	1941 Llano St, Port Neches TX	4:04 PM	MultiRAE	0%	0.14 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	702 Magnolia Ave, Port Neches TX	4:12 PM	UltraRAE		0 ppm						Very light to moderate intermittent smoke odor
11/29/2019	720 N Memorial Fwy, Nederland TX	4:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	2025 Merriman St, Port Neches TX	4:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			Smoke smell
11/29/2019	6290 SH-347 S, Beaumont TX	4:28 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/29/2019	Uvalde Rd & Rosebud Rd, Nederland TX	4:28 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	497 Avenue J, Port Neches TX	4:30 PM	UltraRAE		0 ppm						Light burning odor
11/29/2019	2919 Spurlock Rd, Nederland TX	4:42 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
11/29/2019	3034 Oak West, Nederland TX	4:58 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor