

# **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	HCN	Other Notes/ Observations
<b>Tuesday, December 17, 2019</b>											
12/17/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	Capital One, 3642 Hwy 365, Nederland, TX	9:51 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	700 Central Dr, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2213 Earle St, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	2 ppm	21.4%			No odors
12/17/2019	4772 Rice Farm Rd, Port Arthur, TX	10:05 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	5093 N Twin City Hwy, Groves, TX	10:20 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	726 Magnolia Ave, Port Neches, TX	10:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	5773 Carolina Ave, Groves, TX	10:30 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	431 Kings Row, Port Neches, TX	10:35 AM	MultiRAE/ UltraRAE	0%	0.08 ppm	0 ppm	0 ppm	20.3%			No odors
12/17/2019	5319 Main Ave, Groves, TX	10:40 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	4731 Gulf Ave, Groves, TX	10:50 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	2342 Earle St, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2743 Saba Ln, Port Neches, TX	11:10 AM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	402 Lofton Dr, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	6063 39th St, Groves, TX	11:35 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/Observations
<b>Tuesday, December 17, 2019</b>											
12/17/2019	351 Windsor Creek, Port Neches, TX	11:45 AM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	4034 Grant Ave, Groves, TX	11:45 AM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	2702 Saba Ln, Port Neches, TX	12:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	Hwy 136 & FM 366, Port Neches, TX	12:00 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	526 Roanoke Dr, Port Neches, TX	12:20 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	7618 Hwy 347, Port Arthur, TX	12:25 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	302 Gist Dr, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	Ridgewood Elementary School, 2758 Merriman St, Port Neches, TX	12:45 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	350 Twin City Hwy, Port Neches, TX	12:55 PM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.7%			No odors
12/17/2019	501 Gist Dr, Port Neches, TX	1:00 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2669 Saba Ln, Port Neches, TX	1:00 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	Meadow Green Park, 342 Meadow Green Dr, Port Neches, TX	1:10 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	3188 Saba Ln, Port Neches, TX	1:25 PM	MultiRAE		0 ppm			20.9%	0 ppm	0 ppm	No odors
12/17/2019	2417 Dinah Dr, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2813 Windsor Ln, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.7%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/Observations
<b>Tuesday, December 17, 2019</b>											
12/17/2019	405 Caroline Dr, Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2505 Hampton Ln, Port Neches, TX	2:05 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.7%			No odors
12/17/2019	505 Donna Ct, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0.08 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	Central Park, Port Neches, TX	2:40 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	506 Melissa Ct, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0.10 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	6414 Carolina Ave, Groves, TX	3:15 PM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	510 Cheryl Ct, Port Neches, TX	3:30 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	5981 Alabama Ave, Groves, TX	3:35 PM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2025 Merriman St, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	202 Castle Circle, Port Neches, TX	4:10 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	724 Cherokee Ave, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0.10 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	356 Windsor Circle, Port Neches, TX	4:45 PM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	798 Texas Ave, Port Neches, TX	5:00 PM	MultiRAE/ UltraRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	500 Combs Dr, Port Neches, TX	5:20 PM	MultiRAE/ UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2429 Saba Ln, Port Neches, TX	5:30 PM	MultiRAE/ UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	498 Kirkwood Dr, Port Neches, TX	5:55 PM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.9%			No odors

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<b>Tuesday, December 17, 2019</b>											
12/17/2019	314 Landry Dr, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0.11 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	450 Kings Row, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0.14 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	3157 Lancaster Ln, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	314 Yorkshire Ln, Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0.14 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	3113 Labrador Ln, Port Neches, TX	7:05 PM	MultiRAE/ UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	301 Lofton Dr, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2012 Merriman St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.5%			No odors
12/17/2019	2640 Saba Ln, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0.025 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2212 Earle St, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.5%			No odors
12/17/2019	611 Victor Dr, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2222 Earle St, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	610 Thomas Haven Dr, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	2209 Patricia Ln, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	2221 Merriman St, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0.050 ppm	0 ppm	0 ppm	20.9%			No odors
12/17/2019	501 Barbara Ct, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%			No odors
12/17/2019	2610 Mazur Dr, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
<b>Tuesday, December 17, 2019</b>											
12/17/2019	505 Barbara Ct, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
<b>Wednesday, December 18, 2019</b>											
12/18/2019	402 Kirkwood Dr, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0.025 ppm	0 ppm	0 ppm	21.3%			No odors
12/18/2019	2329 Patricia Ln, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2221 Patricia Ln, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0.025 ppm	0 ppm	0 ppm	21.3%			No odors
12/18/2019	626 Drawhorn Dr, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2213 Earle St, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odors
12/18/2019	2427 Merriman St, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	402 Gist Dr, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odors
12/18/2019	621 Saybrook Ln, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	506 Landry Dr, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odors
12/18/2019	2305 Saybrook Ln, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	522 Combs Dr, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odors
12/18/2019	2314 Merriman St, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	676 E Kitchen, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odors
12/18/2019	510 Donna Ct, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	672 Marilyn Ln, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.4%			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/ Observations
<b>Wednesday, December 18, 2019</b>											
12/18/2019	626 Drawhorn Dr, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2733 Ruth Ln, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.4%			No odors
12/18/2019	Lofton Dr & Saba Ln, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2736 Hughann St, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.4%			No odors
12/18/2019	409 Gist Dr, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	641 W Kitchen Dr, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.4%			No odors
12/18/2019	2409 Saba Ln, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	2820 Merriman St, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.4%			No odors
12/18/2019	502 Melissa Ct, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/18/2019	1606 Park St, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors