

# **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>Saturday, December 14, 2019</b>											
12/14/2019	2182 Park St. behind Fire Dept bldg., Port Neches, TX	9:15 AM	MultiRAE Lite	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/14/2019	2101 Llano St., Port Neches, TX	9:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Intersection of Barle and Magnolia, Port Neches, TX	9:33 AM	MultiRAE Lite	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light sweet chemical odor
12/14/2019	1949 Llano St., Port Neches, TX	9:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Intersection of Gist Dr. and Saba Ln., Port Neches, TX	9:53 AM	MultiRAE Lite	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light sweet chemical odor
12/14/2019	1840 Hebert Woods Dr., Port Neches, TX	9:55 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1401 Merriman St., Port Neches, TX	10:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Intersection of Hwy 366 and Spur 136, Port Neches, TX	10:21 AM	MultiRAE Lite	0%	0 ppm	0 ppm		20.9%	0 ppm		Very light sweet chemical odor
12/14/2019	1004 Merriman St., Port Neches, TX	10:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2751 Saba Lane, Port Neches, TX	10:45 AM	MultiRAE Lite	0%	0 ppm	0 ppm		20.9%	0 ppm		No odor
12/14/2019	401 Rachford Ave., Port Neches, TX	10:55 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2300 Saybrook Lane, Port Neches, TX	11:09 AM	MultiRAE Lite	0%	0 ppm	0 ppm		21.1%	0 ppm		Very light sweet chemical odor
12/14/2019	311 Ave C, Port Neches, TX	11:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Intersection of Texas Ave. and Cherokee Ave., Port Neches, TX	11:32 AM	MultiRAE Lite	0%	0 ppm	0 ppm		21.3%	0 ppm		No odor
12/14/2019	100 Port Neches Atlantic Rd., Port Neches, TX	11:35 AM	MultiRAE/UltraRAE	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>Saturday, December 14, 2019</b>											
12/14/2019	Gerstenberg Church, 2645 Nall St., Port Neches, TX	11:55 AM	MultiRAE Lite	0%	0 ppm	0 ppm		21.2%	0 ppm		No odor
12/14/2019	210 Canal St., Port Neches, TX	11:55 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Magnolia Church, 2215 Nall St., Port Neches, TX	12:15 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.2%	0 ppm		No odor
12/14/2019	116 Pecan St., Port Neches, TX	12:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	112 E. Cypress St., Port Neches, TX	12:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2029 Merriman St., Port Neches, TX	12:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Baseball Fields, 2107 Merriman, Port Neches, TX	1:15 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.2%	0 ppm		No odor
12/14/2019	Intersection of Ave L and Dearing St, Port Neches, TX	1:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Port Neches High School, 1401 Merriman St., Port Neches, TX	1:35 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.2%	0 ppm		No odor
12/14/2019	419 Avenue I, Port Neches, TX	1:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1600 Main St., Port Neches, TX	1:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Intersection of Riffle Ave. and Merriman St., Port Neches, TX	1:56 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.3%	0 ppm		No odor
12/14/2019	303 Avenue D, Port Neches, TX	2:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Woodcrest Elementary, 1522 Heisler St., Port Neches, TX	2:17 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.3%	0 ppm		No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	Other Notes/ Observations
<b>Saturday, December 14, 2019</b>											
12/14/2019	301 Grigsby Ave., Port Neches, TX	2:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Port Neches Middle School, 749 Central Dr., Port Neches, TX	2:43 PM	MultiRAE Lite	0%	0 ppm	0 ppm		21.2%	0 ppm		No odor
12/14/2019	1011 Grigsby Ave., Port Neches, TX	2:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1407 Dallas St., Port Neches, TX	3:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1710 Llano St., Port Neches, TX	3:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	377 Orchard Ave., Port Neches, TX	3:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	516 Orchard Ave., Port Neches, TX	4:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1918 Effie Circle, Port Neches, TX	4:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1901 Stella Circle, Port Neches, TX	4:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1401 Merriman St., Port Neches, TX	5:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	805 Port Neches Ave. Port Neches, TX	5:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	710 Riley St., Port Neches, TX	5:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	809 Dallas St., Port Neches, TX	6:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1106 Ave. B, Port Neches, TX	6:35 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1613 Nall St., Port Neches, TX	6:55 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

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<b>Saturday, December 14, 2019</b>											
12/14/2019	749 Central Dr., Port Neches TX	7:15 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2194-2198 Park St at FM 366, Port Neches, TX	9:00 PM	MultiRAE/UltraRAE		0.06 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Park St and Ave L, Port Neches, TX	9:50 PM	MultiRAE/UltraRAE		0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1201-1273 Main St at Grigsby Ave, Port Neches, TX	10:40 PM	MultiRAE/UltraRAE		0 ppm	0 ppm	0 ppm	21.1%			No odor
12/14/2019	101 E Port Neches Ave at Maple St, Port Neches, TX	11:25 PM	MultiRAE/UltraRAE		0.01 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2213 Earl St, Port Neches, TX	9:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	514 Donna Ct, Port Neches, TX	9:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	302 Gist Dr, Port Neches, TX	9:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	341 Meadowgreen Dr, Port Neches, TX	10:00 AM	MultiRAE/UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	3166 Lancaster Ln, Port Neches, TX	10:20 AM	MultiRAE/UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	355 Windsor Creek, Port Neches, TX	10:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	805 Sierra Dr, Port Neches, TX	11:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	14 Audobon Pl, Port Neches, TX	11:20 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	3154 Jamestown Cir, Port Neches, TX	11:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	3141 Saba Ln, Port Neches, TX	12:00 PM	MultiRAE/UltraRAE	0%	0.07 ppm	0 ppm	0 ppm	20.9%			No odor

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<b>Saturday, December 14, 2019</b>											
12/14/2019	3111 Saba Ln, Port Neches, TX	12:20 PM	MultiRAE/UltraRAE	0%	0.17 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	301 Buckingham Dr, Port Neches, TX	12:40 PM	MultiRAE/UltraRAE	0%	0.17 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	302 Meadowgreen Cir, Port Neches, TX	1:00 PM	MultiRAE/UltraRAE	0%	0.09 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	450 Kings Row, Port Neches, TX	1:20 PM	MultiRAE/UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2605 Mazur Dr, Port Neches, TX	1:40 PM	MultiRAE/UltraRAE	0%	0.5 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	601 Victor Dr, Port Neches, TX	2:00 PM	MultiRAE/UltraRAE	0%	0.06 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2218 Earle St, Port Neches, TX	2:20 PM	MultiRAE/UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	518 Cheryl St, Port Neches, TX	2:40 PM	MultiRAE/UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	514 Melissa Ct, Port Neches, TX	3:00 PM	MultiRAE/UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	318 Donna Ct, Port Neches, TX	3:20 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	724 Little Jeff Dr, Port Neches, TX	3:40 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2726 River Oaks Dr, Port Neches, TX	4:00 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2820 Merriman St, Port Neches, TX	4:20 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	3157 Everest Cir, Port Neches, TX	4:40 PM	MultiRAE/UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	806 Jackson Ave, Port Neches, TX	5:00 PM	MultiRAE/UltraRAE	0%	0.02 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>Saturday, December 14, 2019</b>											
12/14/2019	Ave K and Dearing St, Port Neches, TX	5:20 PM	MultiRAE/UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	1600 Main St, Port Neches, TX	5:40 PM	MultiRAE/UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	316 Ave E, Port Neches, TX	6:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	316 Ave C, Port Neches, TX	6:20 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	401 Rachford Ave, #16, Port Neches, TX	6:40 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	801 Neches Dr, Port Neches, TX	7:00 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	710 Riley St, Port Neches, TX	7:20 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Magnolia Ave and Merriman St, Port Neches, TX	8:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Hwy 366 and Llano St, Port Neches, TX	9:30 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	Port Neches Elementary School, Port Neches, TX	10:20 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/14/2019	2121 Park St, Port Neches, TX	11:10 PM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
<b>Sunday, December 15, 2019</b>											
12/15/2019	224 E First St and E Port Neches Ave, Port Neches, TX	12:15 AM	MultiRAE/UltraRAE		0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	FM 366 and SH 136 Spur, Port Neches, TX	1:05 AM	MultiRAE/UltraRAE		0.23 ppm	0 ppm	0 ppm	21.2%		0.17 ppm	No odor
12/15/2019	2134-2198 Park St at FM 366, Port Neches, TX	1:55 AM	MultiRAE/UltraRAE		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>Sunday, December 15, 2019</b>											
12/15/2019	FM 366 and Pine St, Port Neches, TX	2:45 AM	MultiRAE/UltraRAE		0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	402 Ave F and Dearing St, Port Neches, TX	3:35 AM	MultiRAE/UltraRAE		0 ppm	0 ppm	0 ppm	21.1%			No odor
12/15/2019	322 Ave B at Dearing St, Port Neches, TX	4:25 AM	MultiRAE/UltraRAE		0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	1007 Neches Dr at Grigsby St, Port Neches, TX	5:15 AM	MultiRAE/UltraRAE		0.01 ppm	0 ppm	0 ppm	21.2%			No odor
12/15/2019	Park St and Magnolia Ave, Port Neches, TX	6:05 AM	MultiRAE/UltraRAE		0.02 ppm	0 ppm	0 ppm	21.2%			No odor
12/15/2019	2101-2121 Main St at Ave L, Port Neches, TX	6:55 AM	MultiRAE/UltraRAE		0.02 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	402 Port Neches Atlantic Rd, Port Neches, TX	12:00 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	101 Walnut St, Port Neches, TX	12:50 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	100 Port Neches Atlantic Rd, Port Neches, TX	1:45 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	516 Orchard Ave, Port Neches, TX	2:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	Hwy 366 and Pine St, Port Neches, TX	3:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	Spur 136 W of Hwy 366, Port Neches, TX	4:40 AM	MultiRAE/UltraRAE	0%	0.4 ppm	0 ppm	0 ppm	20.9%		0.44 ppm	No odor
12/15/2019	Hwy 366 S of Spur 136, Port Neches, TX	5:40 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/15/2019	Spur 136 W of Hwy 366, Port Neches, TX	6:35 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			Returned to area where 0.4 ppm VOC previously, reading now 0 ppm
12/15/2019	Port Neches Fire Department, 606 Magnolia Ave, Port Neches, TX	7:15 AM	MultiRAE/UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor