

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 (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	Butadiene	HCN	Other Notes/Observations
Saturday, November 30, 2019												
11/30/2019	301 Grigsby Ave, Port Neches TX	7:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		0 ppm		No odors
11/30/2019	1114 Spurlock Rd, Nederland TX	7:20 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	Lamar University, 4400 S M L King Jr Pkwy, Beaumont TX	7:23 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	886 Magnolia Ave, Port Neches TX	7:39 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0-1 ppm	No odors
11/30/2019	3749 US 69, Beaumont TX	7:59 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	1988 Main St, Port Neches TX	8:03 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0-1 ppm	Very light intermittent burning odor
11/30/2019	2149-2111 TX 136 Spur, Port Neches TX	8:17 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		0 ppm		Light smoke smell
11/30/2019	105 E Port Neches Ave, Port Neches TX	8:18 AM	UltraRAE/ VRAE	0%	0.175 ppm		0 ppm	20.9%	0 ppm		0-2 ppm	Very light to light burning chemical./rubber odor
11/30/2019	2875 Jimmy Johnson Blvd, Port Arthur TX	8:20 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	3100 FM 365, Port Arthur TX	8:37 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	706 Lee Ave, Port Neches TX	8:38 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0-1 ppm	No odors
11/30/2019	Woodcrest Elementary, 1548 Heisler St, Port Neches TX	8:57 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	Effie and Wilton Hebert Library, 2025 Merriman St, Port Neches TX	9:00 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	516 Orchard Ave, Port Neches TX	9:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	PNG High School, 1401 Merriman St, Port Neches TX	9:15 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Butadiene	HCN	Other Notes/Observations
Saturday, November 30, 2019												
11/30/2019	455-699 Pine St, Port Neches TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				Slight oily smell
11/30/2019	Port Weches Chamber of Commerce, 1110 Port Weches Ave, Port Weches TX	9:31 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	516 Orchard St, Port Neches TX	9:40 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	365 Orchard St, Port Neches TX	9:47 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	326 Pine St, Port Neches TX	9:50 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	1100 E Port Neches Ave, Port Neches TX	9:54 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Nederland High School, 2101 N 18th St, Nederland TX	9:55 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	820 E Port Neches Ave, Port Neches TX	10:03 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	1408 Elsie St, Bridge City TX	10:05 AM	UltraRAE/ VRAE	0%	0.05 ppm		0 ppm	21.3%	0 ppm		0-1 ppm	Very light intermittent pine tree odor
11/30/2019	418 E Port Neches Ave, Port Neches TX	10:11 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	3328 N Twin City Hwy, Nederland TX	10:15 AM	MiniRAE/ MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	100 1/2 E Port Neches Ave, Port Neches TX	10:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	304 Oak St, Port Neches TX	10:18 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	2543 W Roundbunch Rd, Orange TX	10:21 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	21.3%	0 ppm		0-1 ppm	Very light intermittent burning wood odor
11/30/2019	203 Canal St, Port Neches TX	10:26 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	124 Pecan St, Port Neches TX	10:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors

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Saturday, November 30, 2019												
11/30/2019	Orangefield Elementary School, 10310 Hwy 105, Orange TX	10:40 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	21.3%	0 ppm		0-1 ppm	No odors
11/30/2019	401 Central Ave, Port Neches TX	10:44 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	128-198 Walnut St, Port Neches TX	10:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	217 Sycamore St, Port Neches TX	10:51 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	899 Summerville Ln, Orange TX	10:58 AM	UltraRAE/ VRAE	0%	0 ppm		0 ppm	21.3%	0 ppm		0-1 ppm	No odors
11/30/2019	208 Pine St, Port Neches TX	10:59 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	125 Sycamore St, Port Neches TX	11:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	101 Pine St, Port Neches TX	11:07 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	203 Pine St, Port Neches TX	11:20 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	1124 E Port Neches Ave, Port Neches TX	11:23 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	100 Port Neches Atlantic Rd, Port Neches TX	11:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%				No odors
11/30/2019	702 Hess St, Port Neches TX	12:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Orchard Ave, Port Neches TX	12:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%				No odors
11/30/2019	720 Lee Ave, Port Neches TX	12:19 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Montagne Center Parking Lot, 4401 S M L King Jr Pkwy, Beaumont TX	12:20 PM	MiniRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	Blanchette Elementary School, Houston St and Lela St, Beaumont TX	12:38 PM	MiniRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	FM 366, Port Neches TX	12:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				Slight smoke smell
11/30/2019	700 Merriman St, Port Neches TX	12:42 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	816 Wood St, Port Neches TX	1:03 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors

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Saturday, November 30, 2019												
11/30/2019	Jefferson County Tax Office, Jerry Ware Dr and First St, Beaumont TX	1:05 PM	MiniRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	Bridge City Elementary School, 1035 W Roundbunch Rd, Bridge City TX	1:07 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	Pine St and Sycamore St, Port Neches TX	1:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%				No odors
11/30/2019	709 Dallas St, Port Neches TX	1:19 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	N Twin City Hwy and First St, Nederland TX	1:21 PM	MiniRAE/ VRAE	0%	0.1-0.2 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	701 W Roundbunch Rd, Bridge City TX	1:32 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	2420 Port Neches Ave, Port Neches TX	1:32 PM	MiniRAE/ VRAE	0%	0.1 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	499 Central Ave, Port Neches TX	1:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	814 Dallas St, Port Neches TX	1:44 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Bridge City Chamber of Commerce and Historical Museum, 150 W Roundbunch Rd, Bridge City TX	1:49 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	401 Rachford Ave, Port Neches TX	2:02 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	402 Port Neches Atlantic Rd, Port Neches TX	2:10 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%				No odors
11/30/2019	202 David Dr, Bridge City TX	2:11 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	347 Roberts Ave, Bridge City TX	2:21 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	606 Avenue C, Port Neches TX	2:22 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Oak St and Port Neches Atlantic Rd, Port Neches TX	2:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors

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Saturday, November 30, 2019												
11/30/2019	201 Roberts Ave, Bridge City TX	2:33 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	1195 SH 73 W, Bridge City TX	2:42 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	City of Port Neches Service Center, 2001 Merriman St, Port Neches TX	2:47 PM	MiniRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	5940 Georgia Ave, Groves TX	2:54 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	1029 Port Neches Atlantic Rd, Port Neches TX	3:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	720 Lee Ave, Port Neches TX	3:02 PM	MultiRAE/ VRAE	0%	0 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	5598 Mockingbird Ln, Groves TX	3:14 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Lion Gate 15, FM 136 , Port Neches TX	3:20 PM	MultiRAE/ VRAE	0%	0.2-0.4 ppm		0 ppm	20.9%	0 ppm		0 ppm	Light odors of volatile organic compounds and burnt rubber
11/30/2019	90-1185 Port Neches Atlantic Rd, Port Neches TX	3:25 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	John St and Warner St, Bridge City TX	3:32 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	5749 Carolina Ave, Groves TX	3:33 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	Ferry Dr and Dobbyn St, Bridge City TX	3:46 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	Lion Gate 15, FM 136 , Port Neches TX	3:47 PM	UltraRAE/ VRAE	0%			0 ppm	20.9%	0 ppm	0 ppm	0 ppm	Light odors of volatile organic compounds and burnt rubber
11/30/2019	5521 Anselmo Ave, Groves TX	3:52 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	805 Sudduth Dr, Bridge City TX	3:58 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	Hwy 366 and Hwy 136, Port Neches TX	4:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				Light smoke odor

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Saturday, November 30, 2019												
11/30/2019	Bridge City Masonic Lodge, 365 N John St, Bridge City TX	4:13 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	5221 Anselmo Ave, Groves TX	4:13 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	100 Port Neches Atlantic Rd, Port Neches TX	4:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				Light smoke odor
11/30/2019	Bridge City City Hall, 260 Rachal Ave, Bridge City TX	4:22 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	755 SH 73 W (Texas Ave), Bridge City TX	4:31 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors
11/30/2019	Texas Ave and B Ferry Dr, Bridge City TX	4:37 PM	MiniRAE/ VRAE	0%	0.2-0.3 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	5440 Marion Ave, Groves TX	4:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%				No odors
11/30/2019	105 Port Neches Atlantic Rd, Port Neches TX	4:50 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%				No odors
11/30/2019	N John St and Warner St, Bridge City TX	4:52 PM	MiniRAE/ VRAE	0%	0.2 ppm		0 ppm	20.9%	0 ppm		0 ppm	No odors
11/30/2019	95 Pine St, Bridge City TX	4:59 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			Very light burn odor
11/30/2019	108 SH 73 E (Texas Ave), Bridge City TX	5:21 PM	MultiRAE		0 ppm	0 ppm		20.9%	0 ppm			No odors