

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 (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	Other Notes/ Observations
Thursday, December 19, 2019										
12/19/2019	Park St & Avenue L, Port Neches, TX	9:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Jack Brooks Regional Airport, 6099 Jerry Ware, Beaumont, TX	9:10 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	4411 Earle St, Port Neches, TX	9:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	4218 Hwy 365, Port Arthur, TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	401 Avenue L, Port Neches, TX	9:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Central Middle School, 1673 Boston Ave, Nederland, TX	9:48 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	706 Magnolia Ave, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Church of Christ, 145 N 23rd St, Nederland, TX	10:01 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	Main St & Avenue E, Port Neches, TX	10:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Bulldog Stadium, 474 21st St, Nederland, TX	10:16 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	700 Central Dr, Port Neches, TX	10:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Broussards Mortuary, 1260 Detroit Ave, Nederland, TX	10:30 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	602 Avenue D, Port Neches, TX	10:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Langham Elementary School, 1165 Helena Ave, Nederland, TX	10:47 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/Observations
Thursday, December 19, 2019										
12/19/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Highland Park Elementary School, 226 South 6th St, Nederland, TX	11:13 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	413 Avenue B, Port Neches, TX	11:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	11:30 AM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	June Badon Dance, 2189 12th St, Port Neches, TX	11:31 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	Port Neches School, 2178 Llano St, Port Neches, TX	11:47 AM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	401 Rachford Ave, Port Neches, TX	11:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	427 Avenue B, Port Neches, TX	12:00 PM	MultiRAE/ UltraRAE	0%	0.05 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Air Liquide, 2184 Park St, Port Neches, TX	12:02 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	TPC, 2133 Park St, Port Neches, TX	12:25 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	720 Lee Ave, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Port Neches Park, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	630 Grigsby Ave, Port Neches, TX	1:00 PM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	114 Maple St, Port Neches, TX	1:30 PM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%		Slight odor, unknown, sweet rubber smell
12/19/2019	702 Riley St, Port Neches, TX	1:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1229 Llano St, Port Neches, TX	1:53 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	313 Canal St, Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/ Observations
Thursday, December 19, 2019										
12/19/2019	Effie & Wilton Hebert Library, 2111 Merriman St, Port Neches, TX	2:08 PM	MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm	No odors
12/19/2019	726 Hess St, Port Neches, TX	2:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	113 E Cypress St, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	913 Jackson Ave, Port Neches, TX	2:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	301 Pine St, Port Neches, TX	3:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	721 Grigsby Ave, Port Neches, TX	3:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	330 Avenue D, Port Neches, TX	3:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1216 Lillie St, Port Neches, TX	3:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	701 Lee Ave, Port Neches, TX	4:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1417 Lillie St, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	810 Holland Ave, Port Neches, TX	4:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1738 Green Oaks Dr, Port Neches, TX	5:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1711 Llano St, Port Neches, TX	5:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	2001 Merriman St, Port Neches, TX	5:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Woodlands Dr & Hebert Woods Dr, Port Neches, TX	5:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	749 Central Dr, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1937 Stella Circle, Port Neches, TX	6:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

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Thursday, December 19, 2019										
12/19/2019	776 Magnolia Ave, Port Neches, TX	6:30 PM	MultiRAE/ UltraRAE	0%	0.04 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1826 Dell St, Port Neches, TX	6:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	606 Magnolia Ave, Port Neches, TX	7:00 PM	MultiRAE/ UltraRAE	0%	0.03 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	1302 Katie St, Port Neches, TX	7:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	702 Riley St, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Port Neches Park, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%		No odors
12/19/2019	725 Royal Ave, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Port Neches Park, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%		No odors
12/19/2019	2036 Llano St, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	Riverfront Park, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%		No odors
12/19/2019	1104 Sun Ave, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	499-401 Rachford Ave, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.6%		No odors
12/19/2019	1826 Nell St, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	701 Wood St, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	711 Riley St, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/19/2019	800 Holland Ave, Port Neches, TX	11:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
Friday, December 20, 2019										
12/20/2019	721 Riffle Ave, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1125 Avenue B, Port Neches, TX	12:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/Observations
Friday, December 20, 2019										
12/20/2019	808 Hess St, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1105 Lee Ave, Port Neches, TX	12:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	820 Grigsby Ave, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1002 Montgomery St, Port Neches, TX	1:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	Lee Ave & Santee St, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1529 Block St, Port Neches, TX	1:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1018 Dallas St, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1315 Eugene St, Port Neches, TX	2:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	Avenue B & Dallas St, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1913 9th St, Port Neches, TX	3:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1003 Marion St, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	2011 12th St, Port Neches, TX	3:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	805 Lazy Ln, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1218 Magnolia Ave, Port Neches, TX	4:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1727 Llano St, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	2117 14th St, Port Neches, TX	4:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1709 Green Oaks Dr, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1832 Hebert Woods Dr, Port Neches, TX	5:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	2434 Merriman St, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	Other Notes/Observations
Friday, December 20, 2019										
12/20/2019	1525 Dallas St, Port Neches, TX	6:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	720 Little Jeff Dr, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	749 Central Dr, Port Neches, TX	6:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors
12/20/2019	1606 Park St, Port Neches, TX	7:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%		No odors