

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	HCN	Other Notes/Observations
Saturday, December 7, 2019											
12/7/2019	Port Neches Park, near 700 Park St, Port Neches, TX	6:36 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	Port Neches High School, near 1557 Park Street, Port Neches, TX	6:58 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	2065 Merriman St, Port Neches, TX	7:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	4001 Highway 73 Access Road, Port Arthur, TX	7:00 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	4999 Twin City Highway, Port Arthur, TX	7:09 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	Llano Street and Port Neches Avenue, Port Neches, TX	7:11 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	1061 New Avenue, Port Neches, TX	7:22 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	7500 North Twin City Highway, Port Arthur, TX	7:24 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	2021 Llano St, Port Neches, TX	7:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2213 Earle Street, Port Neches, TX	7:35 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	3500 Jimmy Johnson Boulevard, Port Arthur, TX	7:35 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	700-728 Central Dr, Port Neches, TX	7:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2710 Saba Lane, Port Neches, TX	7:46 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	Doornbos Park, 2301 Avenue H, Nederland, TX	7:48 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	1990 Llano St, Port Neches, TX	8:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	1835 Nall St, Port Neches, TX	8:03 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/Observations
Saturday, December 7, 2019											
12/7/2019	Spur 136 south of FM 366, Port Neches, TX	8:05 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	Babe Ruth Park, 3300 Park Street, Nederland, TX	8:05 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	749 Central Dr, Port Neches, TX	8:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	1330 US 69 Access Road North, Nederland, TX	8:15 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	6434 Highway 347, Port Arthur, TX	8:16 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	Nederland High School, 2101 N 18th Street, Nederland, TX	8:26 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	704 Magnolia Ave, Port Neches, TX	8:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Ridgewood Elementary, 2820 Merriman Street, Port Neches, TX	8:30 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	854 Magnolia Ave, Port Neches, TX	8:32 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Highland Park Elementary, 200 S Sixth Street, Nederland, TX	8:40 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	639 West Kitchen Drive, Port Neches, TX	8:42 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	609 Drawhorn Dr, Port Neches, TX	8:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2693 Nall Street, Port Neches, TX	8:58 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	2222-2380 Earle St, Port Neches, TX	9:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	3186 Merriman Street, Port Neches, TX	9:05 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	1291 Nall Street, Port Neches, TX	9:09 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors

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Saturday, December 7, 2019											
12/7/2019	749 Central Dr, Port Neches, TX	9:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	706 Magnolia Avenue, Port Neches, TX	9:20 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	288 Block Street, Port Neches, TX	9:23 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	776 Magnolia Ave, Port Neches, TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	865 Texas Ave, Port Neches, TX	9:32 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	815 West Drive, Port Neches, TX	9:40 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	726 Texas Ave, Port Neches, TX	9:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2401 Port Neches Avenue, Port Neches, TX	9:45 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	Port Neches High School, 649 Avenue D, Port Neches, TX	9:53 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	637 Drawhorn Dr, Port Neches, TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Port Neches City Hall, 1004 Merriman Street, Port Neches, TX	10:02 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	702 Magnolia Avenue, Port Neches, TX	10:05 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	2130 Merriman St, Port Neches, TX	10:07 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Port Neches-Groves High School, 1401 Merriman Street, Port Neches, TX	10:10 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	502 Melissa Ct, Port Neches, TX	10:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/Observations
Saturday, December 7, 2019											
12/7/2019	592 Gist Drive, Port Neches, TX	10:16 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	Port Neches Fire Station, 606 Magnolia Avenue, Port Neches, TX	10:25 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	510 Cheryl Ct, Port Neches, TX	10:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2877 Reynolds Lane, Port Neches, TX	10:32 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	3109 Saba Lane, Port Neches, TX	10:35 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	606 Magnolia Ave, Port Neches, TX	10:38 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	609 Ridgewood Drive, Port Neches, TX	10:44 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	606 Magnolia Ave, Port Neches, TX	10:45 AM	MultiRAE	0%	0.2 ppm	0 ppm	0 ppm	20.9%			Slight sooty smell
12/7/2019	897 Ridgewood Drive, Port Neches, TX	10:54 AM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odors
12/7/2019	North Central Park, Merriman Street, Port Neches, TX	11:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	500 Betty Ct, Port Neches, TX	11:09 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	1990 Llano St, Port Neches, TX	11:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2310 Earle St, Port Neches, TX	11:39 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	441 Lofton Dr, Port Neches, TX	12:14 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	749 Central Dr, Port Neches, TX	12:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

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Saturday, December 7, 2019											
12/7/2019	Port Neches Park, 2099 Merriman Street, Port Neches, TX	12:37 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	Port Neches Park, 714 Lee Avenue, Port Neches, TX	12:41 PM	UltraRAE/MultiRAE	0%	0.05 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	2421 Saba Ln, Port Neches, TX	12:49 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	756 N Cherokee Ave, Port Neches, TX	12:55 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2175 7th Street, Port Neches, TX	12:57 PM	UltraRAE/MultiRAE	0%	0.075 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	Ridgewood Elementary, 2820 Merriman Street, Port Neches, TX	12:57 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	1212 Port Neches Avenue, Port Neches, TX	1:11 PM	UltraRAE/MultiRAE	0%	0.025 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	754 Texas Ave, Port Neches, TX	1:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	1100 South 16th Street, Nederland, TX	1:17 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	406 Gist Dr, Port Neches, TX	1:24 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2300 Nederland Avenue, Port Neches, TX	1:30 PM	UltraRAE/MultiRAE	0%	0.05 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	749 Central Dr, Port Neches, TX	1:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	3873 Royal Meadows Boulevard, Port Arthur, TX	1:40 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	3195 Nall Street, Port Neches, TX	1:47 PM	UltraRAE/MultiRAE	0%	0.125 ppm	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
Saturday, December 7, 2019											
12/7/2019	Gulf Ave southeast of Llano Street, Port Neches, TX	2:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Hillcrest Elementary, 2641 Avenue H, Nederland, TX	2:10 PM	UltraRAE/MultiRAE	0%	0.075 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	4562 75th Street, Port Arthur, TX	2:18 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	Triumph Church, 3659 Park Drive, Nederland, TX	2:23 PM	UltraRAE/MultiRAE	0%	0.1 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	823-847 Oak Terrace, Port Neches, TX	2:25 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2600 Mazur Dr, Port Neches, TX	2:31 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	201 Castle Circle, Port Neches, TX	2:35 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	606 Magnolia Ave, Port Neches, TX	2:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	3507 Dryden Road, Port Arthur, TX	2:47 PM	UltraRAE/MultiRAE	0%	0.1 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	1817 Highway 365, Port Arthur, TX	3:00 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	501 Mazur Dr, Port Neches, TX	3:03 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	638 Saybrook Ln, Port Neches, TX	3:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	Meadowgreen Park, 393 Meadowgreen Drive, Port Neches, TX	3:12 PM	UltraRAE/MultiRAE	0%	0.05 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	506 Drawhorn Dr, Port Neches, TX	3:25 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	SO2	HCN	Other Notes/Observations
Saturday, December 7, 2019											
12/7/2019	2231 Betty Ct, Port Neches, TX	3:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	606 Magnolia Ave, Port Neches, TX	4:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	207 Castle Cir, Port Neches, TX	4:08 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	2025 Merriman St, Port Neches, TX	4:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
12/7/2019	410 King George Drive, Port Neches, TX	4:25 PM	UltraRAE/MultiRAE	0%	0.125 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	Highland Park Elementary, 200 S Sixth Street, Nederland, TX	4:25 PM	UltraRAE/MultiRAE	0%	0.001 ppm	0 ppm		21.1%	0 ppm		No odors
12/7/2019	2595 Aero Drive, Port Arthur, TX	4:45 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	5338 West Washington Boulevard, Grove, TX	4:46 PM	UltraRAE/MultiRAE	0%	0.125 ppm	0 ppm		20.9%	0 ppm	0 ppm	No odors
12/7/2019	Nederland High School, 2101 N 18th Street, Nederland, TX	5:00 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors
12/7/2019	Mid-City Baptist Church, 4376 Connie Street, Nederland, TX	5:15 PM	UltraRAE/MultiRAE	0%	0 ppm	0 ppm		20.9%	0 ppm		No odors