

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	HCN	Other Notes/ Observations
Thursday, November 28, 2019											
11/28/2019	5905 Ohio St., Beaumont, TX	6:52 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	4680 Fannett Rd., Beaumont, TX	7:06 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	1925 U.S. 69 Access Rd., Nederland, TX	7:26 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	3728 Nederland Ave., Nederland, TX	7:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Warren Loose Conservatory, Tyrell Park, Beaumont, TX	7:33 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	2555 Jimmy Johnson Blvd., Port Arthur, TX	7:43 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	508 S. 37th St., Nederland Ave., Nederland, TX	7:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Ford Park, 124 Fannett Rd., Beaumont, TX	7:58 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	107 N. Twin City Hwy., Nederland, TX	8:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	201 H O Mills Blvd., Port Arthur, TX	8:14 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1301 Nederland Ave., Nederland, TX	8:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	10399 SH-124, 124 Fannett Rd., Beaumont, TX	8:21 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	1703 Ave. G, Nederland, TX	8:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	5949 W. Port Arthur Rd., Port Arthur, TX	8:33 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1803 Nederland Ave, Nederland, TX	8:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor

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Thursday, November 28, 2019											
11/28/2019	12563 Port Arthur Rd., Beaumont, TX	8:52 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Greenway and South, Beaumont, TX	8:54 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	2111 Ave. B, Nederland, TX	9:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	955 W. Cardinal Dr., Beaumont, TX	9:14 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Seabreeze Youth Soccer Club, Hwy. 365, Beaumont, TX	9:15 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	Market Basket Corporate Office, Nederland, TX	9:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	241 Hardy Ave., Nederland, TX	9:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	12167 Hwy 365, Beaumont, TX	9:38 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	915 US-69, Nederland, TX	9:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	9400 Hwy. 365, Beaumont, TX	9:58 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	2611 Avenue H, Nederland, TX	10:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	Melancon's Funeral Home, 1605 Ave. H, Nederland, TX	10:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	7665 TX-73, Beaumont, TX	10:20 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Hwy. 365/Bordages Rd., Beaumont, TX	10:23 AM	MultiRAE	0%	0 ppm			20.9%		0 ppm	No odor
11/28/2019	823 Memorial Fwy., Nederland, TX	10:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	2528 N. 18th St., Nederland, TX	10:41 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	3227 Ave. H, Nederland, TX	10:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor

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Thursday, November 28, 2019											
11/28/2019	9478 FM 365, Beaumont, TX	10:47 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2732 Ridgewood Ln., Nederland, TX	10:49 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1711 Tallowood Ln., Nederland, TX	10:55 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2600 FM 365, Nederland, TX	11:00 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	1597 Hillebrandt Rd., Beaumont, TX	11:14 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	4300 FM 365, Port Arthur, TX	11:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	2550 Spurlock Rd., Nederland, TX	11:15 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2315 Lilac St., Nederland, TX	11:23 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	4800 B. FM 365, Port Arthur, TX	11:30 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	3310 Tyler Ave., Nederland, TX	11:34 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	7076 W. Port Arthur Rd., Beaumont, TX	11:35 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	8103 Twin City Hwy., Port Arthur, TX	11:45 AM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	3401 Cultural Center Dr., Port Arthur, TX	12:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	1600 Auburn Dr., Beaumont, TX	12:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	5905 Ohio St., Beaumont, TX	12:51 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Lela St./ Uasa St., Beaumont, TX	12:54 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	Magnolia Ave., Nederland, TX	1:07 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor

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Thursday, November 28, 2019											
11/28/2019	3755 Fannett Rd., Beaumont, TX	1:16 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	1925 US 69 Access Rd., Nederland, TX	1:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	N 2nd St./Boston Ave., Nederland, TX	1:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	2555 Jimmy Johnson Blvd., Port Arthur, TX	1:44 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	204 Nederland Ave., Nederland, TX	1:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	Country Ln./Sweet Gum Ln., Beaumont, TX	1:53 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	2217 1st St., Port Neches, TX	2:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	201 H O Mill Blvd., Port Arthur, TX	2:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1901 Magnolia Ave., Port Neches, TX	2:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	The Regency Room, Nederland, TX	2:15 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	11347 Blue Bonnet Ln., Beaumont, TX	2:22 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		Gun powder odor noted, shots heard
11/28/2019	2703 Oak W., Nederland, TX	2:28 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Valero Energy, 9405 West, Port Arthur Rd., Beaumont, TX	2:35 PM	AreaRAE/UltraRAE	0%		0 ppm	1 ppm	20.9%			No odor
11/28/2019	2406 Oak S., Nederland, TX	2:35 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	5449 W. Port Arthur Rd., Port Arthur, TX	2:38 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	864 Magnolia Ave., Port Neches, TX	2:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor

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Thursday, November 28, 2019											
11/28/2019	18746 FM 365, Beaumont, TX	2:46 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	2210 Oak S, Nederland, TX	2:56 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1990 Llano St., Port Neches, TX	3:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.3%			No odor
11/28/2019	Vincent Beck Stadium, JM Gilligan Way./Rolfe Christopher Dr., Beaumont, TX	3:02 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%			No odor
11/28/2019	7301 Blewett Rd., Beaumont, TX	3:08 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	12563 W. Port Arthur Rd., Beaumont, TX	3:11 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2417 Oak N., Nederland, TX	3:12 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	700 Central Dr., Port Neches, TX	3:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	Subway at East Virginia/South MLK, Beaumont, TX	3:24 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%			No odor
11/28/2019	5555 Daniel Dr., Beaumont, TX	3:27 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	2001 Dylan Dr., Nederland, TX	3:29 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	7076 N. Port Arthur Rd., Beaumont, TX	3:30 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2001 Merrian St., Port Neches, TX	3:40 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			Slight smoke smell
11/28/2019	Spindletop Ave./Spur 380, Beaumont, TX	3:41 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%			No odor
11/28/2019	2929 Price St., Nederland, TX	3:41 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2220 Jefferson St., Nederland, TX	3:50 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
Thursday, November 28, 2019											
11/28/2019	4390 Fannett Rd., Beaumont, TX	3:56 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	6355 US 69 Access Rd., Beaumont, TX	4:00 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%			No odor
11/28/2019	1711 Llano St., Port Neches, TX	4:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			Smoke smell/smoke cloud
11/28/2019	9478 FM 365, Beaumont, TX	4:03 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2717 Pat Ln., Nederland, TX	4:05 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1801 Spurlock Rd., Nederland, TX	4:17 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	Herbert Dr./Nall St., Port Neches, TX	4:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			Smoke smell, neighborhood in smoke cloud
11/28/2019	East Lavaca/Highland Ave., Beaumont, TX	4:23 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%			No odor
11/28/2019	1416 Spurlock Rd., Nederland, TX	4:28 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	7665 TX-73, Beaumont, TX	4:29 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	9145 Landis Dr., Beaumont, TX	4:41 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	2006 Nall St., Port Neches, TX	4:45 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			Smoke smell
11/28/2019	2784 N. Twin City Hwy., Nederland, TX	4:49 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	1925 US 69 Access Rd., Nederland, TX	4:51 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	3161 Nall St., Port Neches, TX	5:00 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.2%			No odor
11/28/2019	4008 N. Twin City Hwy., Nederland, TX	5:01 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor

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Thursday, November 28, 2019											
11/28/2019	Gleneagles Dr./Champions Dr., Beaumont, TX	5:04 PM	AreaRAE/UltraRAE	0%		0 ppm	0 ppm	20.9%	0 ppm		No odor
11/28/2019	DuPont Rd., Nederland, TX	5:11 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	20.9%			No odor
11/28/2019	2927 Nall St., Port Neches, TX	5:20 PM	MultiRAE	0%	0 ppm	0 ppm	0 ppm	21.0%			No odor