

# **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	Other Notes/ Observations
<b>Friday, December 20, 2019</b>									
12/20/2019	2022-2034 Merriman St, Port Neches, TX	9:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	9:40 AM	AreaRAE	0%	0.40 ppm	0 ppm	0 ppm	20.9%	Light chemical odor, possibly styrene
12/20/2019	101 E Port Neches Ave, Port Neches, TX	9:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	Main St & Avenue L, Port Neches, TX	9:59 AM	AreaRAE	0%	0.1 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2025 Merriman St, Port Neches, TX	10:17 AM	AreaRAE	0%	0.5 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	125 Pine St, Port Neches, TX	10:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1615 Main St, Port Neches, TX	10:36 AM	AreaRAE	0%	0.6 ppm	0 ppm	0 ppm	20.9%	Light styrene odors
12/20/2019	1613 Nall St, Port Neches, TX	10:50 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	E Port Neches & Orchard Ave, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1999-1901 Effie Circle, Port Neches, TX	11:03 AM	AreaRAE	0%	0.1 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	6100-6106 FM 366, Port Neches, TX	11:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/20/2019	Behind Huntsman Water Treatment, near FM 366 & SH-136, Port Neches, TX	11:38 AM	AreaRAE	0%	0.2 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2660 Saba Ln., Port Neches, TX	11:57 AM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	FM 366 & Pine St, Groves, TX	12:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/20/2019	2192-2199 SH-136, Port Neches, TX	12:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/20/2019	2135 Llano St, Port Neches, TX	12:47 PM	AreaRAE	0%	0.5 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Friday, December 20, 2019</b>									
12/20/2019	964 Marion St, Port Neches, TX	1:03 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2101-2121 Main St, Port Neches, TX	1:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1559 Heisler St, Port Neches, TX	1:25 PM	AreaRAE	0%	0.5 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1325 Nall St, Port Neches, TX	1:41 PM	AreaRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	993 Gulf Ave, Port Neches, TX	1:54 PM	AreaRAE	0%	0.4 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1612 Nall St, Port Neches, TX	1:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2365 Nall St, Port Neches, TX	2:09 PM	AreaRAE	0%	0.4 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1300-1398 Avenue B, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	1935 12th St, Port Neches, TX	3:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/20/2019	750 Baker Ave, Port Neches, TX	3:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/20/2019	2325 Patricia Ln, Port Neches, TX	4:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2233 Earle St, Port Neches, TX	4:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	Park St & Magnolia Ave, Port Neches, TX	5:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	Main St & FM 366, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	SH-136 & FM 366, Port Neches, TX	6:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2449 Harms Circle, Port Neches, TX	7:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	726 Magnolia Ave, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/20/2019	2209 Patricia Ln, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.0%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Friday, December 20, 2019</b>									
12/20/2019	2325 Earle St, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.1%	No odors
12/20/2019	306 Gist Dr, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.1%	No odors
12/20/2019	314 Landry Dr, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.0%	No odors
12/20/2019	2797 Saba Ln, Port Neches, TX	11:35 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
<b>Saturday, December 21, 2019</b>									
12/21/2019	317 Nugent Dr, Port Neches, TX	12:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	3144 Centerbury Ln, Port Neches, TX	12:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	3155 Hardwood Dr, Port Neches, TX	1:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	681 Birchwood Dr, Port Neches, TX	1:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	3145 Green Willow Dr, Port Neches, TX	2:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	2710 Ruth Ln, Port Neches, TX	3:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	2616 Miller St, Port Neches, TX	3:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	726 Sierra Dr, Port Neches, TX	4:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	715 South Ave, Port Neches, TX	4:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	601 Victor Dr, Port Neches, TX	5:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	507 Mazur Dr, Port Neches, TX	6:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	2811 Merriman St, Port Neches, TX	6:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.2%	No odors
12/21/2019	FM 366 & Magnolia Ave, Port Neches, TX	8:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Saturday, December 21, 2019</b>									
12/21/2019	2093-2099 Dearing St, Port Neches, TX	9:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	1400-1498 Main St, Port Neches, TX	9:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	413 Avenue D, Port Neches, TX	10:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	817 Royal Ave, Port Neches, TX	11:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	201-271 E Port Neches, Port Neches, TX	11:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	Pine St & Central Ave, Port Neches, TX	12:10 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	FM 366 & Pine St, Groves, TX	12:45 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	516 Orchard Ave, Port Neches, TX	1:20 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
12/21/2019	2100-2104 SH-136, Port Neches, TX	1:55 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
12/21/2019	Earle St & Betty Ln, Port Neches, TX	2:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
12/21/2019	2502 Hampton Ln, Port Neches, TX	3:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	692-698 E Kitchen Dr, Port Neches, TX	3:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	501 Gist Dr, Port Neches, TX	4:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	1966-1998 Nall St, Port Neches, TX	4:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	Dallas St & Holland Ave, Port Neches, TX	5:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	431 Avenue B, Port Neches, TX	6:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	1201-1287 Wilson St, Port Neches, TX	6:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/21/2019	620 Thomas Haven Dr, Port Neches, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	2305 Saybrook Ln, Port Neches, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Saturday, December 21, 2019</b>									
12/21/2019	610 Victor Dr, Port Neches, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	2609 Circle Dr, Port Neches, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	2757 S. Kitchen Dr, Port Neches, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
12/21/2019	2714 Mary Ln, Port Neches, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
<b>Sunday, December 22, 2019</b>									
12/22/2019	2616 Miller St, Port Neches, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	782 South Ave, Port Neches, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	817 Goodwin Ave, Port Neches, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	2701 McBride Dr, Port Neches, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	685 W Kitchen Dr, Port Neches, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	2722 Ruth Ln, Port Neches, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	3164 Sandalwood Dr, Port Neches, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	3157 Fellswood Ln, Port Neches, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	3147 Ronshire Ln, Port Neches, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	2815 Reynolds Ln, Port Neches, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	202 Castle Circle, Port Neches, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	3158 Nottingham Ln, Port Neches, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	FM 366 & Main St, Port Neches, TX	9:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Sunday, December 22, 2019</b>									
12/22/2019	2194-2198 Park St, Port Neches, TX	10:00 AM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	Park St & Avenue L, Port Neches, TX	10:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	Main St & Avenue L, Port Neches, TX	11:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/22/2019	Port Neches-Groves High School, 1401 Merriman St, Port Neches, TX	11:50 AM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	21.2%	No odors
12/22/2019	1411-1199 Main St, Port Neches, TX	12:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.2%	No odors
12/22/2019	100-120 E Port Neches, Port Neches, TX	1:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	Maple St & E Port Neches, Port Neches, TX	2:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	125 E Express St, Port Neches, TX	2:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	311 Pine St, Port Neches, TX	3:30 PM	MultiRAE/ UltraRAE	0%	0.02 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	225 E 2nd St, Port Neches, TX	4:10 PM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	1100-1198 E Port Neches, Port Neches, TX	5:00 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	FM 366 & Orchard Ave, Port Neches, TX	5:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
12/22/2019	FM 366 & Pine St, Groves, TX	6:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	21.1%	No odors
12/22/2019	2100-2104 SH-136 Spur, Port Neches, TX	6:50 PM	MultiRAE/ UltraRAE	0%	0.01 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	5410 Marion Ave, Groves, TX	8:30 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	5401 Garfield Ave, Groves, TX	9:05 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	5540 Port Neches Rd, Groves, TX	9:40 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	6154 Van Buren St, Groves, TX	10:15 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors

Date	Location	Time (Approx.)	Instrument	LEL	VOC	H2S	CO	O2	Other Notes/ Observations
<b>Sunday, December 22, 2019</b>									
12/22/2019	6499 Monroe St, Groves, TX	10:50 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/22/2019	4840 McKinley Ave, Groves, TX	11:25 PM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
<b>Monday, December 23, 2019</b>									
12/23/2019	6640 Coolidge Blvd, Groves, TX	12:00 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	6426 Hansen Blvd, Groves, TX	12:35 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4400 Lincoln Ave, Groves, TX	1:10 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4551 Main Ave, Groves, TX	1:45 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4620 Boyd Ave, Groves, TX	2:20 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4930 Bellaire Ave, Groves, TX	2:55 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4910 Foster Ave, Groves, TX	3:30 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	5551 Kent Ave, Groves, TX	4:05 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	5710 Georgia Ave, Groves, TX	4:40 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	6414 Carolina Ave, Groves, TX	5:15 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	4901 Washington Blvd, Groves, TX	5:50 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors
12/23/2019	6901 Howe St, Groves, TX	6:25 AM	MultiRAE/ UltraRAE	0%	0 ppm	0 ppm	0 ppm	20.9%	No odors