

# **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 (H<sub>2</sub>S), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), benzene, 1,3 butadiene, 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/<br>Observations |
|-------------------------------------|------------------------------------|----------------|------------|-----|---------|-------|-------|-------|------------------------------|
| <b>Wednesday, November 27, 2019</b> |                                    |                |            |     |         |       |       |       |                              |
| 11/27/2019                          | 2813 Manning St., Port Arthur, TX  | 2:05 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2955 58th St., Port Arthur, TX     | 2:21 PM        | MultiRAE   | 0%  | 0.2 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 5997 Hazel Ave., Port Arthur, TX   | 2:32 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 3150 60th St., Port Arthur, TX     | 2:40 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6207 Diamond Ave., Port Arthur, TX | 2:48 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.3% | No odor                      |
| 11/27/2019                          | 6400 Diamond Ave., Port Arthur, TX | 3:04 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2230 Lavender St., Port Arthur, TX | 3:47 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2399 Lavender St, Port Arthur, TX  | 3:55 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 5900 Ray Ave., Port Arthur, TX     | 4:02 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2441 61st St., Port Arthur, TX     | 4:16 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6224 Garnett Ave., Port Arthur, TX | 4:24 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2764 61 St., Port Arthur, TX       | 4:36 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2946 61st St., Port Arthur, TX     | 4:46 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2902 62nd St., Port Arthur, TX     | 4:57 PM        | MultiRAE   | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6350 Alice Ave., Port Arthur, TX   | 5:09 PM        | MultiRAE   | 0%  | 0 ppm   | 0 ppm | 0 ppm | 21.4% | No odor                      |

| Date                                | Location                                      | Time (Approx.) | Instrument   | LEL | VOC   | H2S   | CO    | O2    | Other Notes/<br>Observations |
|-------------------------------------|---|----------------|--------------|-----|-------|-------|-------|-------|------------------------------|
| <b>Wednesday, November 27, 2019</b> |   |                |              |     |       |       |       |       |                              |
| 11/27/2019                          | 411 S. 3rd , Nederland, TX                    | 6:45 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 27th/Spurlock, Nederland, TX                  | 7:20 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 3501 61st St., Port Arthur, TX                | 8:00 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | Parker Dr./Airport,<br>Nederland, TX          | 8:00 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 1028 Ave. E, Nederland, TX                    | 8:15 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 2440 FM 365, Port Arthur, TX                  | 8:18 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 3600 Jimmy Johnson Blvd.,<br>Port Arthur, TX  | 8:20 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 6655 W. Port Arthur Rd., Port<br>Arthur, TX   | 8:27 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 6401 W. Port Arthur Rd., Port<br>Arthur, TX   | 8:32 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 2847 Ave. H, Nederland, TX                    | 8:35 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6107 W. Port Arthur Blvd.,<br>Port Arthur, TX | 8:39 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 4710 Jimmy Johnson Blvd.,<br>Port Arthur, TX  | 8:40 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 5897 W Port Arthur Blvd.,<br>Port Arthur, TX  | 8:45 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | Blue Bonnet Ave., Port<br>Arthur, TX          | 8:50 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/27/2019                          | 5770 W. Port Arthur Blvd.,<br>Port Arthur, TX | 8:54 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 3100 FM 3651, Port Arthur,<br>TX              | 9:00 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |

| Date                                | Location  | Time (Approx.) | Instrument   | LEL | VOC   | H2S   | CO    | O2    | Other Notes/Observations |
|-------------------------------------|---|----------------|--------------|-----|-------|-------|-------|-------|--------------------------|
| <b>Wednesday, November 27, 2019</b> |   |                |              |     |       |       |       |       |                          |
| 11/27/2019                          | 311 Ave. E, Nederland, TX                           | 9:00 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.4% | No odor                  |
| 11/27/2019                          | 5499-5401 Ray Ave., Port Arthur, TX                 | 9:03 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 11th Ave./New Orleans, Port Arthur, TX              | 9:05 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/27/2019                          | 5800-5848 Topaz Ave., Port Arthur, TX               | 9:10 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | Freeman/10th, Port Arthur, TX                       | 9:10 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/27/2019                          | 2611 Ave. H, Nederland, TX                          | 9:20 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.2% | No odor                  |
| 11/27/2019                          | 2212 Ave. H, Nederland, TX                          | 9:20 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | Hwy. 87 Valero Plant Fenceline, Port Arthur, TX     | 9:30 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/27/2019                          | 3001 Hwy. 73, Port Arthur, TX                       | 9:35 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 909 13th, Nederland, TX                             | 9:35 PM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 4341 - 912 N. Twin City Hwy., Nederland, TX         | 9:40 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.2% | No odor                  |
| 11/27/2019                          | Motiva Parking Lot at Savanna Ave., Port Arthur, TX | 9:42 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/27/2019                          | Hwy. 73 at Taylor Bayou Bridge, Port Arthur, TX     | 9:48 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | Memorial High School, Port Arthur, TX               | 9:56 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/27/2019                          | 6201 Jade Ave., Port Arthur, TX                     | 9:57 PM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 1003 Ave. B, Nederland, TX                          | 10:00 PM       | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |

| Date                                | Location                                     | Time (Approx.) | Instrument   | LEL | VOC     | H2S   | CO    | O2    | Other Notes/<br>Observations |
|-------------------------------------|--|----------------|--------------|-----|---------|-------|-------|-------|------------------------------|
| <b>Wednesday, November 27, 2019</b> |  |                |              |     |         |       |       |       |                              |
| 11/27/2019                          | 3501 61st St., Port Arthur, TX               | 10:05 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 21.3% | No odor                      |
| 11/27/2019                          | 104 2nd, Nederland, TX                       | 10:05 PM       | MultiRAE/TVA | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6701 Jade Ave., Port Arthur, TX              | 10:07 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 2440 FM 365, Port Arthur, TX                 | 10:14 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | St. Marks Baptist Church, Port Arthur, TX    | 10:15 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm |       | 20.9% | No odor                      |
| 11/27/2019                          | 3600 Jimmy Johnson Blvd., Port Arthur, TX    | 10:25 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 21.3% | No odor                      |
| 11/27/2019                          | 3113 Madison, Nederland, TX                  | 10:30 PM       | MultiRAE/TVA | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                      |
| 11/27/2019                          | 6655 W. Port Arthur Rd., Port Arthur, TX     | 11:00 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 6401 W. Port Arthur Rd., Port Arthur, TX     | 11:04 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | Vedia Environmental Service, Port Arthur, TX | 11:07 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm |       | 20.9% | No odor                      |
| 11/27/2019                          | 6107 W. Port Arthur Blvd., Port Arthur, TX   | 11:08 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 5897 W Port Arthur Blvd., Port Arthur, TX    | 11:20 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 2555 Jimmy Johnson Blvd., Port Arthur, TX    | 11:20 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 5770 W. Port Arthur Blvd., Port Arthur, TX   | 11:26 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/27/2019                          | 5499-5401 Ray Ave., Port Arthur, TX          | 11:30 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                      |

| Date                                | Location  | Time (Approx.) | Instrument   | LEL | VOC     | H2S   | CO    | O2    | Other Notes/Observations |
|-------------------------------------|---|----------------|--------------|-----|---------|-------|-------|-------|--------------------------|
| <b>Wednesday, November 27, 2019</b> |   |                |              |     |         |       |       |       |                          |
| 11/27/2019                          | 1st/Chicago, Nederland, TX                      | 11:30 PM       | MultiRAE/TVA | 0%  | 0.1 ppm | 0 ppm | 0 ppm | 21.4% | No odor                  |
| 11/27/2019                          | 5800-5484 Topaz Ave., Port Arthur, TX           | 11:33 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 3001 Hwy. 73, Port Arthur, TX                   | 11:37 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | Hwy. 73 at Taylor Bayou Bridge, Port Arthur, TX | 11:43 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 3100 FM 3651, Port Arthur, TX                   | 11:45 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 21.2% | No odor                  |
| 11/27/2019                          | 1305 Magnolia, Port Arthur, TX                  | 11:45 PM       | MultiRAE/TVA | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 6201 Jade Ave., Port Arthur, TX                 | 11:47 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/27/2019                          | 6701 Jade Ave., Port Arthur, TX                 | 11:52 PM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| <b>Thursday, November 28, 2019</b>  |   |                |              |     |         |       |       |       |                          |
| 11/28/2019                          | 13071 W. Port Arthur, Nederland, TX             | 12:00 AM       | MultiRAE/TVA | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                          | 2440 FM 365, Port Arthur, TX                    | 12:01 AM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                          | 2600 FM 365, Nederland, TX                      | 12:05 AM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                          | 6655 W. Port Arthur Rd., Port Arthur, TX        | 12:10 AM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                          | 6401 W. Port Arthur Rd., Port Arthur, TX        | 12:18 AM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                          | 2611 Ave. H, Nederland, TX                      | 12:25 AM       | MultiRAE     | 0%  | 0 ppm   | 0 ppm | 0 ppm | 20.9% | No odor                  |

| Date                               | Location                                    | Time (Approx.) | Instrument   | LEL | VOC   | H2S      | CO    | O2    | Other Notes/Observations  |
|------------------------------------|---|----------------|--------------|-----|-------|----------|-------|-------|---|
| <b>Thursday, November 28, 2019</b> |   |                |              |     |       |          |       |       |   |
| 11/28/2019                         | Aero Dr. at Hwy. 287, Port Arthur, TX       | 12:25 AM       | MultiRAE     | 0%  | 0 ppm | 0 ppm    |       | 20.9% | No odor   |
| 11/28/2019                         | 6107 W. Port Arthur Blvd., Port Arthur, TX  | 12:37 AM       | MultiRAE     | 0%  | 0 ppm | 0.01 ppm | 0 ppm | 20.9% | First reading above 0 ppb VOC, reading lasted about 1 min. Monitor was held low, approximately 3 in. from ground. Remained at this location for another 10 min. and readings did not repeat |
| 11/28/2019                         | 4341 - 912 N. Twin City Hwy., Nederland, TX | 12:45 AM       | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | 2555 S. Jimmy Johnson, Nederland, TX        | 12:45 AM       | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | 5897 W Port Arthur Blvd., Port Arthur, TX   | 12:49 AM       | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | Gulfway Dr./2nd Ave., Port Arthur, TX       | 12:53 AM       | MultiRAE     | 0%  | 0 ppm | 0 ppm    |       | 20.9% | No odor   |
| 11/28/2019                         | 5770 W. Port Arthur Blvd., Port Arthur, TX  | 12:56 AM       | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | 5499-5401 Ray Ave., Port Arthur, TX         | 1:00 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | Hwy. 215/19th St., Port Arthur, TX          | 1:00 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    |       | 20.9% | No odor   |
| 11/28/2019                         | 2620 Helena, Nederland, TX                  | 1:00 AM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | 5800-5848 Topaz Ave., Port Arthur, TX       | 1:03 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |
| 11/28/2019                         | Savannah Hwy., Port Arthur, TX              | 1:05 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    |       | 20.9% | No odor   |
| 11/28/2019                         | 4710 Jimmy Johnson Blvd., Port Arthur, TX   | 1:05 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 21.2% | No odor   |
| 11/28/2019                         | 3001 Hwy. 73, Port Arthur, TX               | 1:06 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm    | 0 ppm | 20.9% | No odor   |

| Date                               | Location  | Time (Approx.) | Instrument   | LEL | VOC   | H2S   | CO    | O2    | Other Notes/<br>Observations |
|------------------------------------|---|----------------|--------------|-----|-------|-------|-------|-------|------------------------------|
| <b>Thursday, November 28, 2019</b> |   |                |              |     |       |       |       |       |                              |
| 11/28/2019                         | Hwy. 73 at Taylor Bayou Bridge, Port Arthur, TX | 1:10 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6201 Jade Ave., Port Arthur, TX                 | 1:14 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6701 Jade Ave., Port Arthur, TX                 | 1:18 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | Hwy. 287/31st St., Port Arthur, TX              | 1:20 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/28/2019                         | 580 FM 365, Port Arthur, TX                     | 1:24 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 3600 Jimmy Johnson Blvd., Port Arthur, TX       | 1:25 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 1650 FM 365, Port Arthur, TX                    | 1:28 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | H O Mills Hwy./Houston, Port Arthur, TX         | 1:30 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/28/2019                         | N. 18th St., Nederland, TX                      | 1:30 AM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2770 FM 365, Port Arthur, TX                    | 1:33 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | H O Mills Hwy., Port Arthur, TX                 | 1:40 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/28/2019                         | 2440 FM 365, Port Arthur, TX                    | 1:45 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 3501 61st St., Port Arthur, TX                  | 1:45 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6655 W. Port Arthur Rd., Port Arthur, TX        | 1:51 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6401 W. Port Arthur Rd., Port Arthur, TX        | 1:54 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | Valero Port Authority, Port Arthur, TX          | 1:55 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |



| Date                               | Location   | Time (Approx.) | Instrument   | LEL | VOC   | H2S   | CO    | O2    | Other Notes/<br>Observations |
|------------------------------------|--|----------------|--------------|-----|-------|-------|-------|-------|------------------------------|
| <b>Thursday, November 28, 2019</b> |  |                |              |     |       |       |       |       |                              |
| 11/28/2019                         | 6107 W. Port Arthur Blvd.,<br>Port Arthur, TX      | 1:58 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2205 Nederland, TX                                 | 2:00 AM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 5897 W Port Arthur Blvd.,<br>Port Arthur, TX       | 2:03 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2555 Jimmy Johnson Blvd.,<br>Port Arthur, TX       | 2:05 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 5770 W. Port Arthur Blvd.,<br>Port Arthur, TX      | 2:06 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 5499-5401 Ray Ave., Port<br>Arthur, TX             | 2:08 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 5800-5848 Topaz Ave., Port<br>Arthur, TX           | 2:13 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 3001 Hwy. 73, Port Arthur, TX                      | 2:16 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | Hwy. 73 at Taylor Bayou<br>Bridge, Port Arthur, TX | 2:19 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6201 Jade Ave., Port Arthur,<br>TX                 | 2:24 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 3100 FM 3651, Port Arthur,<br>TX                   | 2:25 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6701 Jade Ave., Port Arthur,<br>TX                 | 2:28 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 580 FM 365, Port Arthur, TX                        | 2:33 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 1650 FM 365, Port Arthur, TX                       | 2:37 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2770 FM 365, Port Arthur, TX                       | 2:41 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2600 FM 365, Nederland, TX                         | 2:45 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |

| Date                               | Location  | Time (Approx.) | Instrument   | LEL | VOC   | H2S   | CO    | O2    | Other Notes/Observations |
|------------------------------------|---|----------------|--------------|-----|-------|-------|-------|-------|--------------------------|
| <b>Thursday, November 28, 2019</b> |   |                |              |     |       |       |       |       |                          |
| 11/28/2019                         | Priya/Lake Tahoe, Nederland, TX                 | 3:00 AM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 2611 Ave. H, Nederland, TX                      | 3:05 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.2% | No odor                  |
| 11/28/2019                         | 2440 FM 365, Port Arthur, TX                    | 3:08 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 6655 W. Port Arthur Rd., Port Arthur, TX        | 3:11 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 6401 W. Port Arthur Rd., Port Arthur, TX        | 3:14 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 6107 W. Port Arthur Blvd., Port Arthur, TX      | 3:18 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | Dallas/18th, Port Arthur, TX                    | 3:20 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |
| 11/28/2019                         | 5897 W Port Arthur Blvd., Port Arthur, TX       | 3:22 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 5770 W. Port Arthur Blvd., Port Arthur, TX      | 3:25 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 4341 - 912 N. Twin City Hwy., Nederland, TX     | 3:25 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 5499-5401 Ray Ave., Port Arthur, TX             | 3:29 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 1430 Spindletop, Nederland, TX                  | 3:30 AM        | MultiRAE/TVA | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 5800-5848 Topaz Ave., Port Arthur, TX           | 3:33 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 3001 Hwy. 73, Port Arthur, TX                   | 3:36 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | Hwy. 73 at Taylor Bayou Bridge, Port Arthur, TX | 3:39 AM        | MultiRAE     | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |

| Date                               | Location                                       | Time (Approx.) | Instrument | LEL | VOC   | H2S   | CO    | O2    | Other Notes/<br>Observations |
|------------------------------------|--|----------------|------------|-----|-------|-------|-------|-------|------------------------------|
| <b>Thursday, November 28, 2019</b> |  |                |            |     |       |       |       |       |                              |
| 11/28/2019                         | Hwy. 287/ S. Gulf Port Dr.,<br>Port Arthur, TX | 3:40 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/28/2019                         | 6201 Jade Ave., Port Arthur,<br>TX             | 3:45 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 4710 Jimmy Johnson Blvd.,<br>Port Arthur, TX   | 3:45 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6701 Jade Ave., Port Arthur,<br>TX             | 3:49 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 580 FM 365, Port Arthur, TX                    | 3:54 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 1650 FM 365, Port Arthur, TX                   | 3:58 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | Hwy. 287/61st St., Port<br>Arthur, TX          | 4:00 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                      |
| 11/28/2019                         | 2770 FM 365, Port Arthur, TX                   | 4:02 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2555 Jimmy Johnson Blvd.,<br>Port Arthur, TX   | 4:05 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2440 FM 365, Port Arthur, TX                   | 4:12 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6655 W. Port Arthur Rd., Port<br>Arthur, TX    | 4:16 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6401 W. Port Arthur Rd., Port<br>Arthur, TX    | 4:19 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 6107 W. Port Arthur Blvd.,<br>Port Arthur, TX  | 4:22 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 5897 W Port Arthur Blvd.,<br>Port Arthur, TX   | 4:25 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |
| 11/28/2019                         | 2600 FM 365, Nederland, TX                     | 4:25 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 21.2% | No odor                      |
| 11/28/2019                         | 5770 W. Port Arthur Blvd.,<br>Port Arthur, TX  | 4:28 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                      |

| Date                               | Location  | Time (Approx.) | Instrument | LEL | VOC   | H2S   | CO    | O2    | Other Notes/Observations |
|------------------------------------|---|----------------|------------|-----|-------|-------|-------|-------|--------------------------|
| <b>Thursday, November 28, 2019</b> |   |                |            |     |       |       |       |       |                          |
| 11/28/2019                         | 5499-5401 Ray Ave., Port Arthur, TX             | 4:31 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 5800-5848 Topaz Ave., Port Arthur, TX           | 4:34 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 3001 Hwy. 73, Port Arthur, TX                   | 4:37 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | Hwy. 73 at Taylor Bayou Bridge, Port Arthur, TX | 4:40 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 6201 Jade Ave., Port Arthur, TX                 | 4:44 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 6701 Jade Ave., Port Arthur, TX                 | 4:48 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 580 FM 365, Port Arthur, TX                     | 4:52 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 1650 FM 365, Port Arthur, TX                    | 4:56 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 2770 FM 365, Port Arthur, TX                    | 5:00 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm | 0 ppm | 20.9% | No odor                  |
| 11/28/2019                         | 12th/Woodworth, Port Arthur, TX                 | 5:00 AM        | MultiRAE   | 0%  | 0 ppm | 0 ppm |       | 20.9% | No odor                  |