

# TCEQ Handheld Monitoring Equipment Data

## ITC Fire – March 2019

Shortly after receiving notification of the Deer Park fire at Intercontinental Terminals Company that began on March 17, 2019, TCEQ Regional staff initiated handheld monitoring surveys in the area. MultiRae's with various sensors were used for all survey activities. This instrument provides 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>), radiation (Gamma), and oxygen levels (O<sub>2</sub>). A Toxic Vapor Analyzer (TVA) was also used for most surveys, when appropriate. This instrument measures most organic and inorganic gases.

Sample results from TCEQ's handheld monitoring equipment are listed below, including observations of odor and potential alternate sources for odor or instrument readings. Please note that all TVA results reported are recorded in parts per million (ppm) and negative readings are acceptable when they are within the acceptable range of error. Normal levels, also known as background levels, of VOCs were noted to be between 2.3 ppm and 2.4 ppm.

**Sunday, March 17, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Intersection of Thomas and Preston (Pasadena)	9:00 PM	TVA	VOC	2.4 ppm-3.5 ppm (similar to background levels)	Light odors detected - Sulfur and light burning likely from a nearby recycling facility
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
East Blvd and E 13th intersection (Deer Park)	9:30 PM	TVA	VOC	0.4 ppm to 1.7 ppm	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
School Parking lot near intersection of Glenmore and Meadowlake Road (Pasadena)	10:00 PM	TVA	VOC	1.9 ppm-2.1 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
Luella Avenue and E 13th intersection (Deer Park)	10:00 PM	TVA	VOC	0.0 ppm to 0.4 ppm	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
Center Street and W 13th intersection (Deer Park)	10:30 PM	TVA	VOC	-0.4 ppm to -0.3 ppm	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
Intersection Greenshadow Drive and Global Commerce (Deer Park)	10:30 PM	TVA	VOC	9.5 ppm-28.6 ppm (slightly elevated - see note)	No odors were detected. Elevated VOCs attributed to nearby landfill
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
13th and Georgia Avenue (Deer Park)	11:00 PM	TVA	VOC	2.4 ppm-3.1 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	
Georgia Avenue and W 13th intersection (Deer Park)	11:00 PM	TVA	VOC	-0.2 ppm to 0.1 ppm	No odors were detected
		MultiRae	LEL, VOC, H <sub>2</sub> S, CO, O <sub>2</sub>	None detected, Oxygen normal	

**Monday, March 18, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
15913 Jersey Village Dr. (Jersey Village)	3:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
3600 Locke Ln (Houston)	4:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	Exhaust, intermittent, likely due to vehicle traffic
5800 Richmond Ave. (Houston)	4:30 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
5235 Glenmont Dr. (Houston)	5:30 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen sensor failed	
Glenmont Dr. @ Sunburst Ct. (Bellaire)	6:00 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Bissonnet @ North Avenue B (Bellaire)	6:30 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
7301 Stella Link Rd (Houston)	7:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
3743 Garnet St. (Houston)	7:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
Jane Street @ Baldwin Avenue (Bellaire)	8:00 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
3801 Eastside St. (Houston)	8:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
McArthur Drive @ Mont Clair Drive (Houston)	8:30 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
200 Jackson Hill St. (Houston)	9:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
Hermann Park (Houston)	9:30 PM	TVA	VOC	Less than 3.0 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	

**Tuesday, March 19, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Hermann Park (Houston)	5:30 AM	TVA	VOC	Highest 4.2 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Cleveland Park on Scotland Street (Houston)	5:30 AM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
Love Park; North Shepherd and 12th (Houston)	6:00 AM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
Intersection of North Shepard and Crosstimbers (Houston)	6:00 AM	TVA	VOC	Highest 1.1 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Moody Park (Houston)	6:30 AM	TVA	VOC	3.5 ppm-3.6 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Intersection of Irvington and Crosstimbers (Houston)	6:30 AM	TVA	VOC	Highest 0.5 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Tuffly Park (Houston)	7:00 AM	TVA	VOC	4.1 ppm to 6.21 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Pelham Park (Houston)	7:30 AM	TVA	VOC	Highest 4.6 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Intersection of Homestead and Bennington (Houston)	8:00 AM	TVA	VOC	Highest 0.1 ppm	Very light burning plastic odor detected intermittently
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Park Lane and Vince Street (Pasadena)	8:30 AM	TVA	VOC	4.1 ppm to 4.3 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Smith Park (Jacinto City)	8:30 AM	TVA	VOC	Highest 0.1 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Community Drive and Coleman Ave. (Pasadena)	9:00 AM	TVA	VOC	4.1 ppm to 4.2 ppm (similar to background levels)	Gasoline/acetone/fried food oil odor, 5 minutes with light odor
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
"" Above location surveyed twice	10:30 AM	TVA	VOC	4.2 ppm to 4.3 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Channelwood Park (Channelview)	9:30 AM	TVA	VOC	0.0 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Jimmy Burke activity Center (Deer Park)	11:00 AM	TVA	VOC	4.2 ppm to 4.4 ppm ppm (similar to background levels)	Very light smoke/cooking oil odors
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	

**Tuesday, March 19, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Washburn Tunnel Roundabout (Houston)	11:30 AM	TVA	VOC	0.3 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Myrtle Ln. and Miles St. (Houston)	1:00 PM	TVA	VOC	0.5 ppm	Moderate to strong heavy oil like odors
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Mason Park on Tripp's St. (Houston)	1:00 PM	TVA	VOC	4.6 ppm to 4.7 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Mason Park at Tripp's St. and Evergreen St. (Houston)	2:30 PM	TVA	VOC	3.86 ppm to 4.31 ppm (similar to background levels)	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Sheffield and Lila Ln. (Houston)	3:00 PM	TVA	VOC	-0.7 ppm	Very light petroleum and very light to light hydrogen sulfide
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Miles St. and Vickie Ln. (Houston)	4:00 PM	TVA	VOC	-0.9 ppm	Very light to moderate petroleum/gas odor
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Boyce Dorian Park - 2020 Solo St. (Houston)	4:00 PM	TVA	VOC	4.42 ppm (similar to background)	No odors were detected
		MultiRae	LEL, VOC, CO, H2S, SO2	None detected, Oxygen normal	
Akron St. between Oswego St. and Muscatine St. (Jacinto City)	5:30 PM	TVA	VOC	-1.0 ppm	No odors were detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Siesta Ln. and Muscatine St. (Jacinto City)	6:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors were detected
Channelwood Park (Channelview)	6:30 PM	MultiRae	LEL, VOC, CO, H2S, SO2, Gamma	66 microrem/hr. Gamma	No odors were detected
2nd St. and Main St. (Galena Park)	7:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	Very light to moderate chemical herbicide/dead animal odors
JP White Park (Galena Park)	8:00 PM	MultiRae	LEL, VOC, CO, H2S, SO2, Gamma	0.1 ppm VOC, 5 microrem/hr. Gamma	No odors were detected
17th St. near Crown St. (Galena Park)	8:30 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	Very light to moderate chemical herbicide odor
1957 Main (Houston)	9:30 PM	MultiRae	LEL, VOC, CO, H2S, SO2, Gamma	0.1 ppm VOC, 0.1 ppm SO2, 31 microrem/hr. Gamma	No odors were detected
East 11th 1/2 St. and Beverly (Houston)	10:30 PM	MultiRae	LEL, VOC, CO, H2S, SO2, Gamma	0.1 ppm VOC, 0.1 ppm SO2, 24 microrem/hr. Gamma	No odors were detected
Dunvegan Way and Oates Rd. (Jacinto City)	11:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	Strong to light cut grass odor
Dunvegan Way and Oates Rd. (Jacinto City)	11:30 PM	MultiRae	LEL, VOC, CO, H2S, SO2, Gamma	0.1 ppm VOC, 5 microrem/hr. Gamma	No odors were detected

**Wednesday, March 20, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Bandera St. and Frankie St. (Cloverleaf)	12:00 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 4 microrem/hr. Gamma	Very light charcoal/burning wood odors
MacArthur Elementary (Galena Park)	12:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	2-4 microrem/hr. Gamma	No odors were detected
Woodland Acres Middle School	1:00 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm VOC, 5 microrem/hr. Gamma	No odors were detected
Cimarron Elementary School (Cloverleaf)	1:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 6 microrem/hr. Gamma	No odors were detected
Gardens Elementary (Pasadena)	2:00 AM	MultiRae	VOC, CO, SO2, H2S, Gamma	0.1 ppm VOC, 5 microrem/hr. Gamma	No odors were detected
Deep Park High School North (Deer Park)	2:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm VOC, 0.1 ppm SO2, 24 microrem/hr. Gamma	No odors were detected
Lawndale St. and San Saba St. (Houston)	3:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 5 microrem/hr. Gamma	No odors were detected
Holland Middle School (Galena Park)	4:00 AM	MultiRae	VOC, CO, SO2, H2S, Gamma	8 microrem/hr. Gamma	Very light to light garbage odor
Holland Ave. and 10th St.. (Galena Park)	4:30 AM	TVA	VOC	1.15 - 1.12 ppm	Very light sweet odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Mt. Carmel Academy (Houston)	4:00 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 54 microrem/hr. Gamma	No odors were detected
Queens Intermediate School (Pasadena)	5:00 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 4 microrem/hr. Gamma	No odors were detected
MacGregor Park	5:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	3-4 microrem/hr. Gamma	No odors were detected
Richey Elementary School (Pasadena)	5:30 AM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 4 microrem/hr. Gamma	Organic decay/chemical odor detected
Smith Park (Jacinto City)	7:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
W. Texas Ave. and Vince St. (Pasadena)	7:00 AM	TVA	VOC	3.1 - 3.2 ppm	Very light sweet odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
San Jacinto Community College Central Campus, 8060 Spencer Hwy (Pasadena)	7:45 AM - 9:00 AM	TVA1000	VOC	TVA readings fluctuated below 0.	No odors were detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	
Edgefield Dr. and Glenmore Dr. (Pasadena)	8:00 AM	TVA	VOC	3.1 - 3.2 ppm	Very light sweet odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Sinclair St. and 8th St. (Galena Park)	8:00 AM	MultiRae	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
San Augustine and Erin Glen Court	8:30 AM	TVA	VOC	3.3 - 3.4 ppm	Very light to moderate rubber, slightly sweet, burnt odors for 30 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Manor St. and Nimitz St. (Houston)	9:00 AM	MultiRae	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected

**Wednesday, March 20, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
8301 Spencer Hwy (Deer Park)	9:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	No odor survey. Spoke with police to get past road-block. While speaking with PD, a strong pungent/sweet odor was
		TVA1000	VOC	0 ppm	
College Park Elementary, 4315 Luella Ave. (Deer Park)	9:05 AM - 9:45 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	Very light odors detected during odor survey. Odors are described as sweet and did not last longer than one minute on a few occasions.
		TVA1000	VOC	0 ppm	
Warren St. and Parkglen St. (Deer Park)	9:30 AM	TVA	VOC	2.8 - 2.9 ppm	Very light to moderate rubber, slightly sweet, burnt odors for 15 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Woodforest Blvd. and Grassmont St. (Channelview)	10:00 AM	MultiRae	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
Deer Park Elementary, 2920 Luella Ave. (Deer Park)	9:50 AM - 10:25 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	Very light, "sweet" odor detected, but did not last longer than one minute
		TVA1000	VOC	0 ppm	
Pearl St. and Luella Ave. (Deer Park)	10:00 AM	TVA	VOC	2.6 - 2.8 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Deer Park City Hall/Community Center, 610 E San Augustine St. (Deer Park)	10:28 AM - 11:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	Very light odors detected lasting up to two minutes. Odors were sweet and
		TVA1000	VOC	0 ppm	
Park Green and E 13th St. (Deer Park)	10:30 AM	TVA	VOC	2.6 - 2.8 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Lufkin Ln. and Albany St. (Deer Park)	11:00 AM	TVA	VOC	2.6 - 2.8 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; 21.3 % oxygen	
Fairmont Pkwy. and Preston Ave. (Pasadena)	11:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
San Jacinto Elementary, 1302 E Thirteenth St. (Deer Park)	11:18 AM - 12:00 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 20.9%	Very light to light odors detected lasting approximately two minutes. Odors can be
		TVA1000	VOC	0 ppm	

**Wednesday, March 20, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Whelton Dr. and Cedarcrest Dr. (Pasadena)	11:30 AM	TVA	VOC	2.6 - 2.7 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; 21.3 % oxygen	
Allendale Rd. and Allen Genoa Rd. (Pasadena)	12:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
South Houston City Park	1:00 PM	MultiRae	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	No odors were detected
Intersection of East 8 <sup>th</sup> Street & Peggy Street (Deer Park)	12:10 PM - 12:50 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 21.2%	At beginning of survey light odors described as burnt detected lasting
		TVA1000	VOC	0 ppm	
2104 Underwood Rd. (La Porte)	1:10 PM - 1:48 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0%, 0 ppm, 0ppm, 0 ppm, 21.2 - 21.3	No odors were detected.
		TVA	VOC	0 ppm	
Pearl Hall and 12th St. (South Houston)	1:30 PM	TVA	VOC	2.6 - 2.7 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; 21.3 % oxygen	
Winkler and Juliabora (Houston)	2:30 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	3 microrems/hr. Gamma	No odors were detected
Arizona and Garland (Houston)	3:00 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	0-14 microrems/hr. Gamma	No odors were detected
Holland Dr. and Invierno St. (Galena Park)	3:00 PM	TVA	VOC	0.3 - 0.5 ppm	Very light sweet odor for 5 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Holland Ave. and 18th St. (Galena Park)	4:00 PM	TVA	VOC	0.5 - 0.9 ppm	Very light hydrocarbon
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Garland and Elrod (Houston)	4:00 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	2-49 microrems/hr. Gamma	No odors were detected
Holland Ave. and 10th St. (Galena Park)	4:30 PM	TVA	VOC	1.15 - 1.12 ppm	Intermittent, very light wood smoke
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Howard and Berrydale (Houston)	5:00 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	96 microrems/hr. Gamma	No odors were detected
Glenmore and Meadowlake (Pasadena)	5:30 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	2-4 microrems/hr. Gamma	No odors were detected
1211 2nd St. (Galena Park)	5:00 PM	TVA	VOC	1.2 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
6213 Bayway Dr. (Baytown)	6:00 PM	TVA	VOC	1.2 - 1.3 ppm	Very light to moderate peaty/lightly sulfurous/muddy earth odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
3012 Market St. (Baytown)	7:00 PM	TVA	VOC	1.1 - 1.3 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Baywood and Crenshaw (Pasadena)	7:00 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	1-275 microrems/hr. Gamma	No odors were detected
Gleneagles and Doral Dr. (Houston)	7:30 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	2-155 microrems/hr. Gamma	No odors were detected
7815 Bayway Dr. (Baytown)	8:00 PM	TVA	VOC	1.2 - 1.35 ppm	No odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Elsbeth Rd. and N. Shore Dr. (Channelview)	8:30 PM	MultiRae	LEL, VOC, CO, SO2, H2S, Gamma	None detected; oxygen normal	No odors were detected
4601 Village Lane (Baytown)	9:00 PM	TVA	VOC	1.1 - 1.45 ppm	Very light, sweet, ethylene glycol odor intermittently
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1702 Burnett St. (Baytown)	10:00 PM	TVA	VOC	1.1 ppm	Very light grass, woody mulch odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Brownwood Park (Baytown)	10:30 PM	TVA	VOC	3.0 ppm	No odors detected
		MultiRae	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Keene St. and 5 <sup>th</sup> St. (Galena Park)	10:30 PM	TVA	VOC	1.20-2.72 ppm	No Odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Jacinto City Elementary School on Burman St (Jacinto City)	11:30 PM	TVA	VOC	2.92-3.19 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Baytown Ferry Landing (Baytown)	11:30 PM	TVA	VOC	1.5 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	

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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Kirby of Dezavalla Rd. (Channelview)	12:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
2112 Independence Pkwy (Deer Park)	12:00 AM	UltraRAE	Benzene	None detected	Light odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
ITC Tank Farm at Independence Pkwy. (Deer Park)	12:00 AM	UltraRAE	Benzene	32.0 ppm	Strong odor
N. Tidal Rd. and Independence Pkwy. (Deer Park)	12:00 AM	UltraRAE	Benzene	None detected	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
N. Spooner St. and Shaw Ave., Pasadena	12:30 AM	TVA	VOC	3.25-4.37 ppm	Very light methane odor, 2 mins
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
2400 Miller Cut Off (Deer Park)	12:30 AM	UltraRAE	Benzene	None detected	Light hydrocarbon odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Center Point Sub Station	12:30 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
Wisconsin and Nevada (Baytown)	12:30 AM	TVA	VOC	2.0 ppm	Light to strong gasoline/gas station odor detected for an hour
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Balleser Fishing Area (La Porte)	1:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
Sens Rd. and Strang Rd. (La Porte)	1:00 AM	UltraRAE	Benzene	None detected	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Wildwood Dr. and Westside Dr. (Deer Park)	1:30 AM	TVA	VOC	3.45-4.52 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
3287 Arkansas St. (Baytown)	1:30 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
1558 Nevada St. (Baytown)	2:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
Sens Rd. and Hwy 225	2:00 AM	UltraRAE	Benzene	None detected	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Tejas Park (Baytown)	2:00 AM	TVA	VOC	0.6	No odors Detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Strang Rd. and Hwy 225	2:30 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Deer Park High School North (Deer Park)	2:30 AM	TVA	VOC	3.51-3.92 ppm	Unpleasant very light to very strong burnt rubber/sweet and sour toluene odor (3 min very strong 14 min strong 17 min
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Sens and North P. St. (La Porte)	3:00 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Bayland Marina (Baytown)	3:00 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
Strang Road and Wayside Drive (La Porte)	3:00 AM	TVA	VOC	0.2 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected; oxygen normal	
Independence Pkwy. And Hwy. 225 (Deer Park)	3:30 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Spillway Dock (Baytown)	3:30 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
Barbour Court and Vinsonia (La Porte)	4:00 AM	TVA	VOC	0.3 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
6915 Hwy. 225 (Deer Park)	4:00 AM	UltraRAE	Benzene	None detected	Mild odor
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
San Jacinto Intermediate School (Pasadena)	5:00 AM	TVA	VOC	0.1 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	



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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
San Jacinto Elementary School (Deer Park)	4:00 AM	TVA	VOC	3.65-8.63 ppm	Highly offensive very light to very strong sweet, rubbery and fruity odor. (46 min
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Clay Ct. (Deer Park)	4:00 AM	UltraRAE	Benzene	Highest 0.4 ppm	Benzene tube change to yellow, steady 0.2 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
East Blvd., north of Hwy 225 (Deer Park)	4:00 AM	UltraRAE	Benzene	2.8 ppm	Odor detected
		MultiRAE	LEL, VOC, H2S, CO, O2	1 ppm VOC	
East Blvd., south of Hwy 225 (Deer Park)	4:00 AM	UltraRAE	Benzene	1.6 ppm	Benzene odor
		MultiRAE	LEL, VOC, H2S, CO, O2	2 ppm VOC	
701 East Blvd. (Deer Park)	4:00 AM	UltraRAE	Benzene	Highest 1.2 ppm	Benzene tube change to yellow, steady 1.0 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 3 ppm	
Park Green Rd. (Deer park)	4:00 AM	UltraRAE	Benzene	1.45 ppm	Light odor
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
Wynfield Dr. and Wynwood Dr. (Deer park)	4:30 AM	UltraRAE	Benzene	0.85 ppm	None
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
Wynfield Dr. and Wyndale (Deer Park)	4:30 AM	UltraRAE	Benzene	0.15 - 0.20 ppm	None
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
8th St. and Alyse St. (Deer Park)	4:30 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
San Jacinto Elementary School (Deer Park)	4:30 AM	UltraRAE	Benzene	0.65 ppm	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
1018 Sharie St. (Deer Park)	4:30 AM	UltraRAE	Benzene	None detected.	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Wynfield Dr. and Park Green (Deer Park)	4:30 AM	UltraRAE	Benzene	Highest 1.5 ppm	Benzene tube yellow, steady 0.90 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	3 ppm VOC	
Deer Park Methodist Church (Deer Park)	4:30 AM	UltraRAE	Benzene	Highest 0.7 ppm	Benzene tube yellow, steady 0.55 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	1 ppm VOC	
Eighth St. and Alyse St. (Deer Park)	4:30 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
East X and Brook Amber St. (Deer Park)	5:00 AM	UltraRAE	Benzene	None detected	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
East X and Deer Trail Dr. (Deer Park)	5:00 AM	UltraRAE	Benzene	0.05 - 0.10 ppm	None
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
East X and East Blvd. (Deer Park)	5:00 AM	UltraRAE	Benzene	None detected.	None
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
1986 Wynchase Dr. (Deer Park)	5:00 AM	UltraRAE	Benzene	Highest 0.5 ppm	Benzene tube yellow, steady 0.25 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
Deepwater Elementary School (Deer Park)	5:00 AM	TVA	VOC	3.56-3.72 ppm	No odors detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	
Wyndale and Wyngate (Deer Park)	5:00 AM	UltraRAE	Benzene	Highest 0.3 ppm	Benzene tube yellow, steady 0.25 ppm
		MultiRAE	LEL, VOC, H2S, CO, O2	VOC 1 ppm	
Central Baptist Church, W. Oak and Center St. (Deer Park)	7:58 AM	UltraRAE	Benzene	Highest 2.1 ppm	Some odor and slight benzene
		MultiRAE Light	VOC	VOC 2 ppm	

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<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Houston Area Safety Council 5213 Center Street (Pasadena)	8:08-8:39 AM	TVA	VOC	1.19- 7.83 ppm	30 min odor survey. No odors noted.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 20.9 O2	
Heritage Cemetary (Deer Park)	8:22 AM	MultiRAE Light	VOC	0 VOC	None
Monument Baptist Church (Deer Park)	8:34 AM	MultiRAE Light	VOC	0 VOC	None
East St. and Hwy. 225 (Deer Park)	8:44 AM	MultiRAE Light	VOC	0 VOC	None
		UltraRAE	Benzene	0.00 ppm	
San Jacinto Elementary (Deer Park)	9:02 AM	MultiRAE Light	VOC	0 VOC	None
Deer Park Junior High	9:09 AM	MultiRAE Light	VOC	0 VOC	None
Jimmy Burke Activity Center (Deer Park)	9:36 AM	MultiRAE Light	VOC	0 VOC	None
W. 13th St. and Beltway 8 (Deer Park)	9:44 AM	MultiRAE Light	VOC	0 VOC	None
Lil Rascals Child Care, 4509 Center Street (Deer Park)	9:44-9:58 AM	TVA	VOC	9.04- 18.74 ppm	15 min odor survey. No odors noted.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 20.9 O2	
Battleground Golf Course (Deer Park)	9:52 AM	MultiRAE Light	VOC	0 VOC	None
		UltraRAE	Benzene	0.00 ppm	
Bonnette Junior High School (Deer Park)	10:01 AM	MultiRAE Light	VOC	0 VOC	None
Kingdom Hall (Deer Park)	10:04 AM	MultiRAE Light	VOC	0 VOC	None
LifeBridge Baptist Church 2709 Kingsdale Drive Deer Park, TX 77536	10:06-10:35 AM	TVA	VOC	12.16- 24.64 ppm	30 min odor survey. Very light- light odor intensity. Solvent/ burnt oil odor
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 20.9 O2	
Tabernaculo de Restauracion (Deer Park)	10:13 AM	MultiRAE Light	VOC	0 VOC	None
Deer Park High School Stadium, 710 W. San Augustin St. (Deer Park)	11:00-11:29 AM	TVA	VOC	15.17- 29.15 ppm	30 min odor survey. Very light-light odor intensity. Sweet/ solvent odor description. Intermittent for 16 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 20.9 O2	
Golden Acres Baptist Church (Pasadena)	11:18 AM	MultiRAE Light	VOC	0 VOC	None
Saint Juan Diego Catholic Church (Pasadena)	11:23 AM	MultiRAE Light	VOC	0 VOC	None
J. D. Parks Elementary School (Pasadena)	11:26 AM	MultiRAE Light	VOC	0 VOC	None
Deepwater Junior High School (Pasadena)	11:32 AM	MultiRAE Light	VOC	0 VOC	None
Deepwater Ave. and Hwy. 225 (Pasadena)	11:37 AM	MultiRAE Light	VOC	0 VOC	None
		UltraRAE	Benzene	0.00 ppm	

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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Central Baptist Family Life Center, 210 W. X. St., Deer Park, TX 77536	1:35 – 2:04 PM	TVA	VOC	22.14 – 42.80 ppm	30 min odor survey. Very light-light odor intensity. Sweet/solvent odor description. Intermittent for 19 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 21.2-21.4 O2	
South Avenue Baptist Church (Pasadena)	12:58 PM	MultiRAE Light	VOC	0 VOC	None
Providence Baptist Church (Pasadena)	1:13 PM	MultiRAE Light	VOC	0 VOC	None
Southside Church of Christ (Pasadena)	1:20 PM	MultiRAE Light	VOC	0 VOC	None
Baywood Church of Christ (Pasadena)	1:24 PM	MultiRAE Light	VOC	0 VOC	None
Georgia and Hwy. 225 (Pasadena)	1:45 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
O'Dell Harrison Recreation Center, 415 Delta St. (Pasadena)	1:35 – 2:04 PM	TVA	VOC	11.09 – 19.63 ppm	30 min odor survey. No odor detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 21.2 O2	
Deer Park Junior High (Deer Park)	2:01 PM	MultiRAE Light	VOC	0 VOC	None
Deer Park United Methodist Church (Deer Park)	2:06 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Bethel Baptist Church (Deer Park)	2:15 PM	MultiRAE Light	VOC	0 VOC	None
Lomax Junior High School (La Porte)	2:31 PM	MultiRAE Light	VOC	0 VOC	None
Lomax Elementary School (La Porte)	2:34 PM	MultiRAE Light	VOC	0 VOC	None
Grace Baptist Church (La Porte)	2:37 PM	MultiRAE Light	VOC	0 VOC	None
Hwy. 146 and Hwy. 225 (La Porte)	3:28 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Oakwild Circle and Applewood (La Porte)	3:30PM-3:45PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	No odor /Non detect	
Moody's Travel Plaza on Hwy. 225 (La Porte)	3:40 PM	MultiRAE Light	VOC	0 VOC	None
Intersection of E. Sam Houston Pkwy and Fairmont Pkwy	3:31 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected
		MiniRAE3000	VOC	No significant readings	
Excel on Hwy. 225 (La Porte)	3:44 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Hwy. 225 North of Battleground Rd. (Deer Park)	3:50 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	

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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Hwy. 225 and Center St. (Deer Park)	3:55 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Monument Baptist Church- Corner of E. Pasadena Blvd and East Blvd. (Deer Park)	3:36-4:40 PM	AreaRae	VOC, CO, HCN, and LEL	None detected	No odors. Benzene reading initially when wind was N to NE. Wind Shifted to NW <del>0.00 ppm readings</del>
		UltraRae3000	Benzene	STEL (15 mins) 0.050 ppm	
Intersection of Fairmont Pkwy and Heathfield Dr.	3:58 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected
		MiniRAE3000	VOC	No significant readings	
Shell at Railroad Tracks and Hwy. 225 (Deer Park)	4:00 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Ineos Phenol at Hwy. 225 (Deer Park)	4:05 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Mesquite Dr. (La Porte)	3:59PM-4:14PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite 2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	No odor/Non detect	
N. L St. (La Porte)	4:13 PM	TVA	VOC	2.8 - 3.09 ppm similar to background	15 min. odor survey, very light to light sweet / manure odor
		MutliRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Hwy. 225 and Berale St. (Pasadena)	4:13 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Intersection of Fairmont Pkwy and Manordale	4:19 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Intersection of Fairmont Pkwy and Center St.	4:20 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
No Name BBQ on Hwy. 225 (Pasadena)	4:28 PM	MultiRAE Light	VOC	0 VOC	None
		UltraRae3000	Benzene	0.00 ppm	
Pinewood Ct. (La Porte)	4:24PM-4:40PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	No odor/Non detect	
Garrett and Pasadena (Deer Park)	4:50 PM	TVA	VOC	3.10 - 3.25 ppm VOC	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Fair wood (La Porte)	4:48PM-5:04PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	None detected, Oxygen normal	
Intersection of Red Bluff Rd. and Genoa Rd.	4:50 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected
		MiniRAE3000	VOC	No significant readings	

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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Walmart Supercenter – Corner of East Blvd and Spencer Hwy. (La Porte)	4:55-5:15 PM	AreaRae	VOC, CO, HCN, and LEL	None detected, Oxygen normal	No odors
		UltraRae3000	Benzene	0.000 ppm	
Intersection of Fairmont Pkwy. and Somerton Dr.	4:56 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected
		MiniRAE3000	VOC	No significant readings	
Along Holly Bay Court	5:17 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected
		MiniRAE3000	VOC	No significant readings	
Farrington Dr. and Archway Dr. (Deer Park)	5:25 PM	TVA	VOC	3.2 - 3.3 ppm VOC	No odors
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
La Porte Baseball Field on Canada St. (La Porte)	5:25-5:45 PM	AreaRae	VOC, CO, HCN, and LEL	None detected	No odors
		UltraRae3000	Benzene	0.000 ppm	
Glenview Ct. (La Porte)	5:20PM-5:36PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	No odor/Non detect	
2621 Tidal Rd. (Deer Park)	5:35-6:50 PM	OGIC	VOC	None detected	No odors
		MultiRAE	VOC, CO, O2, H2S, LEL	None detected, oxygen normal	
Ridgepark Dr. (La Porte)	5:49PM-6:07PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	None detected, Oxygen normal	
Intersection of Space Center Blvd. and Crenshaw Rd.	5:52 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	None detected, Oxygen normal	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
4701 East Blvd. (Deer Park)	6:00 PM	TVA	VOC	3.35 - 3.40 ppm	No odors.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Houston Area Safety Council off of Center St. (Pasadena)	6:06-6:26 PM	AreaRae	VOC, CO, HCN, and LEL	None detected, Oxygen normal	No odors.
		UltraRae3000	Benzene	0.000 ppm	
Intersection of Genoa and Preston Rd.	6:12 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Intersection of E. Sam Houston Pkwy. and Crenshaw	6:40 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Intersection of Genoa and Anthony Ln.	6:43 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Intersection of Genoa and Silber Oak Dr.	6:49 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Intersection of Celtic Oak Dr. and Bur Oak Dr.	6:52 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
Central St. and Ave. P (Harrisburg/Manchester)	6:55 PM	TVA	VOC	3.50 - 4.5 ppm	30 minute odor survey. Very light to moderate styrene odor, very light to moderate petro oil odor, light burning
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Wynfield at Wynchase (Deer Park)	6:55 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	None detected, Oxygen normal	

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<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
San Jacinto Elementary School (Deer Park)	6:58 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	None detected, Oxygen normal	
Peace Lutheran Church off of Fairmont Pkwy. (Pasadena)	7:15-7:32 PM	AreaRae	VOC, CO, HCN, and LEL	None detected, Oxygen normal	No odors.
		UltraRae3000	Benzene	0.000 ppm	
2400 Miller Cutoff (La Porte)	7:30 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	None detected, Oxygen normal	
Glenpark Dr. (La Porte)	7:37PM-7:51PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	No odor/Non detect	
		UltraRae3000	Benzene	No odor/Non detect	
Ave. J and 97th St. (Harrisburg/Manchester)	7:40 PM	TVA	VOC	3.5 ppm (similar to background levels)	No odors.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Hobby Lobby between Red Bluff Rd and Pasadena Blvd. (Pasadena)	7:53-8:14 PM	AreaRae	VOC, CO, HCN, and LEL	None detected, Oxygen normal	No odors.
		UltraRae3000	Benzene	0 ppm	
Bayland Marina (Baytown)	8:00 - 8:05 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors.
16530 DeZavala Rd. (Channelview)	8:13 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	None detected, Oxygen normal	
Arkansas and Oklahoma (Baytown)	8:12 - 8:17 PM	MultiRAE	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	No odors.
N. L St. and Mockingbird (Deer Park)	8:15 PM	TVA	VOC	3.5 ppm VOC	No odors
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected, (remove Oxygen normal)	
Wren St. (La Porte)	8:31PM-8:47PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	No odor/Non detect	
		UltraRae3000	Benzene	No odor/Non detect	
Lynchburg Rd. (Crosby)	8:45 - 8:50 PM	MultiRAE	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	No odors.
Lakeview and Llfrey St. (Lakeview Heights)	8:54 - 8:59 PM	MultiRAE	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	No odors.
Intersection of Genoa and Preston Rd.	8:50 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	No visible emissions or odors were detected.
		MiniRAE3000	VOC	No significant readings	
River Rd. and Park Dr. (Deer Park)	9:00 PM	TVA	VOC	3.3 - 4.5 ppm VOC	30 min. odor survey, very light odor observed
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	None detected	
Oakland St. (Baytown)	9:05 - 9:11 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	None
16800 Peninsula St. (Houston)	9:07 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	None detected, Oxygen normal	
Coupland Dr. (La Porte)	8:55PM-9:10PM	AreaRae1	VOC, CO, O2, H2S, LEL	None detected, Oxygen normal	None
		MultiRae Lite2	VOC, SO2, O2, HCN, LEL	None detected, Oxygen normal	
		UltraRae3000	Benzene	No odor/Non detect	
156 Opernet Dr. (Baytown)	9:22 - 9:27 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	None
699 S. Borhett Dr. (Baytown)	9:33 - 9:38 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	None

**Thursday, March 21, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
18350 Market St. (Channelview)	9:53 PM	UltraRAE	Benzene	0.0 ppm	No odors.
		MultiRAE	VOC, LEL, O2	LEL 0%, 1 ppm VOC, Oxygen normal	
5518 Bayway Dr. (Baytown)	9:58 - 10:05 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	None
699 S. Burnet (Baytown)	10:32 - 10:52 PM	MultiRAE Lite	VOC, SO2, O2, H2S, LEL	No significant readings	None
Channelview High School (Channelview)	10:45 - 11:00 PM	TVA	VOC	1.6 - 2.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 3 microrems/hr. Gamma	
Lynchburg Ferry Landing (Baytown)	10:51 PM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
Wallisville Rd. (Channelview)	11:05 - 11:35 PM	TVA	VOC	0.1 - 1.1 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 3 microrems/hr. Gamma	
David G. Burrett Park (Lynchburg)	11:07 PM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
Oakland and Center St. (Lynchburg)	11:22 PM	UltraRAE	Benzene	0 ppm	Burning plastic smell. Smoke in area
		MultiRAE	LEL, VOC, O2	LEL 0%, 1 ppm VOC, Oxygen normal	
4822 East Sam Houston Pkwy. North (Houston)	11:05 - 11:35 PM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
43009 W. Baker Rd. (Baytown)	11:27 - 11:32 PM	MultiRAE	LEL, VOC, H2S, CO, O2	No significant readings	No odors detected.
West Baker and Goose Creek (Baytown)	11:35 - 11:40 PM	MultiRAE	LEL, VOC, H2S, CO, O2	No significant readings	No odors detected.
West Baker (Baytown)	11:45 - 11:50 PM	MultiRAE	LEL, VOC, H2S, CO, O2	No significant readings	No odors detected.
1600 Clear Lake Rd. (Highland)	11:44 PM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
Central Baptist, 210 W. X. St. (Deer Park)	11:56 PM - 12:25 A.M	TVA	VOC	22.14- 42.80 ppm	30 min odor survey. Very light- light odor intensity. Sweet/ solvent odor description. Intermittent for 19 min.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 LEL, 0 VOC, 0 H2S, 0 CO, 21.2- 21.4 O2	
Ashland Blvd. and Floyd Ln. (Channelview)	11:50 PM - 12:20 AM	TVA	VOC	0 ppm	30 min odor survey. Very light- light odor intensity. Sweet/ solvent odor description. Intermittent for 19 min.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 18 microrem/hr. Gamma	

**Friday, March 22, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
610 Ave. E (Highlands)	12:06 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
Wallisville Rd. and Main St. (Highlands)	12:14 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	LEL 0%, 2 ppm VOC, Oxygen normal	
7904 Sand Piper (Baytown)	12:20 - 12:25 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
3493 Coachman (Baytown)	12:30 - 12:35 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
Jr. High 15726 Wallisville Rd. (Houston)	12:15 - 12:45 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
Hemlock and Shercox (Baytown)	12:40 - 12:45 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
Main St. and Jones Rd. (Highland)	12:46 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
5360 Decker (Baytown)	12:50 - 12:55 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
61823 Cedar Bayou (Baytown)	1:00 - 1:05 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
Thompson Rd. and I-10 (McNair)	1:06 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
4655 W. Cedar Bayou Lynchburg Rd. (Baytown)	1:08 - 1:13 AM	MultiRAE	VOC, H2S, CO, LEL, O2	None detected, Oxygen normal	None
7102 East Sam Houston Parkway North (Houston)	1:00 - 1:30 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
I-10 East Fwy. And Carrey Ln. (Channelview)	1:00 - 1:30 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 3 microrem/hr. Gamma	
3319 Old Oaks Dr. (Baytown)	1:18 - 1:23 AM	MultiRAE	LEL, VOC, CO, H2S, O2	None detected, Oxygen normal	No odors detected.
5398 Bush Rd. (Baytown)	1:28 - 1:33 AM	MultiRAE	LEL, VOC, CO, H2S, O2	None detected, Oxygen normal	No odors detected.
Wade Rd. and I-10 (McNair)	1:33 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	No significant readings	
Dell Dale St. and Avenue C (Channelview)	1:49 - 2:19 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0.1 ppm SO2, 5 microrem/hr. Gamma	
McMullan Elementary School, 1290 Dell Dale St. (Channelview)	1:55 - 2:25 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
Battle Bell and Sue Lane (Highlands)	2:00 AM	TVA	VOC	8.64 - 12.00 ppm	No odors detected. South of the facility that was located across from the elementary school.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	
Battlebell and Wade Rd. (McNair)	2:12 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
First Apostolic Church (Highlands)	2:25 AM	TVA	VOC	6.26 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm; oxygen normal	
Lakeside Dr. and Lake Court (Houston)	2:30 - 2:40 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 4 microrem/hr. Gamma	
St. Andrew Catholic Church, 827 Sheldon Rd. (Channelview)	2:55 - 3:25 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	



**Friday, March 22, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
I-10 Service Rd. (Baytown)	2:56 AM	TVA	VOC	5.54 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm; oxygen normal	
Intersection of Georgia Ave. and West 13th (Deer Park)	3:03 - 3:28 AM	TVA	VOC	1.6 ppm	No odors noted.
		MultiRAE	O2, H2S, VOC, CO, LEL	No significant readings	
Wade Rd. and Broad St. (McNair)	3:09 AM	UltraRAE	Benzene	0 ppm	Calibrated UltraRAE. No odors noted.
		MultiRAE	LEL, VOC, O2	No significant readings	
Harlem St. and I-10 Service Rd. (Baytown)	3:22 AM	TVA	VOC	7.37 - 8.67 ppm	Very light burnt rubber odor experienced for entire duration of odor survey; 15-minute odor survey was conducted
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	
Dell Dale Avenue Baptist Church (Channelview)	3:30 - 4:00 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
Wood Dr. and W. Tyson (Channelview)	3:31 - 4:01 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 4 microrem/hr. Gamma	
Pine Park (Deer Park)	3:37 - 3:58 AM	TVA	VOC	1.8 ppm	No odors detected.
		MultiRAE	O2, H2S, VOC, CO, LEL	0 ppm, oxygen normal	
Lynchburg Ferry Landing (Baytown)	3:37 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
Llfrey St. and Lakeview Dr. (Lynchburg)	3:52 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	None detected, Oxygen normal	
Decker and West Baker (Baytown)	4:03 AM	TVA	VOC	6.56 - 8.33 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	
Oak Ln. and Park Dr. (Channelview)	4:09 - 4:39 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 46 microrem/hr. Gamma	
Burnet Park (Lynchburg)	4:12 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	None detected, Oxygen normal	
Olson Park, Intersection of Olson Lane and Johns Road (Deer Park)	4:15 - 4:30 AM	TVA	VOC	0.3 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Schochler Elementary School 910 Deer Pass Dr. (Channelview)	4:22 - 4:52 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	VOC, H2S, CO	0 VOC, 0 H2S, 0 CO	
Oakland St. and Center (Lynchburg)	4:36 AM	UltraRAE	Benzene	0 ppm	Burning plastic odor
		MultiRAE	LEL, VOC, O2	LEL 0%, 3 ppm VOC, Oxygen normal	
Pecan Park on Canada Rd. (Deer park)	4:42 - 4:57 AM	TVA	VOC	0.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1204 S. Main (Highlands)	4:49 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	None detected, Oxygen normal	
Rose Meadow Blvd. and Wolfberry Lane (Baytown)	4:50 AM	TVA	VOC	5.58 - 8.35 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Pecan St. and Pine St. (Channelview)	5:03 - 5:33 AM	TVA	VOC	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, CO, SO2, H2S, Gamma	0.1 ppm SO2, 37 microrem/hr. Gamma	
White Lake Estates and Lakeside Dr. (Highlands)	5:12 AM	UltraRAE	Benzene	0 ppm	No odors detected.
		MultiRAE	LEL, VOC, O2	LEL 0%, 1 ppm VOC, Oxygen normal	
Park Meadows Park (Deer Park)	5:25 - 5:48 AM	TVA	VOC	-0.1 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Kerry Rd. and North Main (Highlands)	5:39 AM	TVA	VOC	5.3 - 7.6 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	

**Friday, March 22, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Dow Park (Deer Park)	5:55 - 6:10 AM	TVA	VOC	-0.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	
Shadowglen St. (Channelview)	6:54 AM-7:17 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors
S. Brentwood St. (Channelview)	7:28 AM-7:49 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors
Partnership Park (Deer Park)	7:42 - 7:57 AM	TVA	VOC	-0.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
W. Madison St. and N. 4th St. (La Porte)	7:44 AM-8:00 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, Oxygen normal	
		UltraRAE	Benzene	None detected	
Avenue C. (Channelview)	7:58 AM-8:14 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors
Deer Park Training Facility on Luella Ave.	7:58 AM-8:43 AM	AreaRAE	LEL, VOC, HCN, CO	None detected	No odors
		UltraRAE	Benzene	None detected	
Intersection of Spencer Hwy. and Canada Rd. (Deer park)	8:01 - 8:16 AM	TVA	VOC	-0.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Scarborough Ln. and W. Jackson Ave. (Pasadena)	8:15 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
W. Tyler St. and N. 4th St. (La Porte)	8:15 AM-8:32 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, oxygen normal	
		UltraRAE	Benzene	None detected	
Horncastle St. and Vonnet St. (Channelview)	8:28 AM-8:43 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors
Brookglen Park (Deer Park)	8:30 - 8:45 AM	TVA	VOC	-0.1 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
W. Jackson St. and Richey St. (Pasadena)	8:31 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
W. Jackson St. and Shafer St. (Pasadena)	8:33 AM	MiniRAE	VOC	None detected	No visible emissions or odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Cowan St. and Thomas Ave. (Pasadena)	8:40 AM	MiniRAE	VOC	None detected	No visible emissions or odors were detected
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
W. Adams St. and N. 3rd St. (La Porte)	8:44 AM-9:44 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, oxygen normal	
		UltraRAE	Benzene	None detected	
Preston St. and Thomas Ave. (Pasadena)	8:46 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odor were detected.
		MiniRAE	VOC	None detected	
Woodhue St. (Channelview)	8:50 AM-9:06 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors
Park Barrymore Blvd. (Baytown)	8:52 AM	MultiRAE	VOC	0 ppm	No odors detected.
Parkwood St. and Darmontion St. (Pasadena)	8:55 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Abbshier Stadium (Deer Park)	9:05 - 9:20 AM	TVA	VOC	-0.7 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
401 W. Nazaro St. (Baytown)	9:24 AM	MultiRAE	VOC	0 ppm	No odors detected.
Methodist Church off 13th St. (Deer Park)	9:25 AM-9:56 AM	AreaRAE	LEL, VOC, HCN, CO	None detected	Very light asphalt odors (10 seconds)
		UltraRAE	Benzene	None detected	
Preston and Flamborough St. (Pasadena)	9:26 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	

**Friday, March 22, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Parkhill St. and Overbluff St. (Channelview)	9:42 AM-10:03 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors
E. Harrison Ave. and Foster Ave. (Pasadena)	9:43 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Pirate's BayWater Park (Baytown)	10:00 AM	MultiRAE	VOC	0 ppm	No odors detected.
E. Harris Ave. FinFrock St. (Pasadena)	10:01 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
S. Ohio Ave. and E. Main St. (La Porte)	10:09 AM-10:25 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, Oxygen normal	
		UltraRAE	Benzene	None detected	
Manor St. and Nimitz St. (Cloverleaf)	10:19 AM-10:37 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors
Monument Baptist Church (Deer Park)	10:27 AM-10:49AM	AreaRAE	LEL, VOC, HCN, CO	None detected	No odors. Noted a brownish haze observed North of location while looking
		UltraRAE	Benzene	None detected	
301 Cedar Bayou (Lynchburg)	10:30 AM	MultiRAE	VOC	0 ppm	No odors detected.
Northshore Elementary School On Woodforest Blvd. (Cloverleaf)	10:47 AM-11:05 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No odors
Allendale Rd. and Allen Genoa Rd. (Pasadena)	11:02 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Allen Genoa Rd. and Richey St. (Pasadena)	11:03 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
E. Sunset Ridge St. (La Porte)	11:07 AM-11:24 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, Oxygen normal	
		UltraRAE	Benzene	None detected	
Shaver St. and Allendale Rd. (Pasadena)	11:10 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Railroad St. Between Georgia and Center St. (Deer Park)	11:12 AM-11:35 AM	AreaRAE	LEL, VOC, HCN, CO	None detected	No odors. Brown haze to North no longer observed. Still light brown haze towards
		UltraRAE	Benzene	None detected	
Houston Methodist Hospital (Houston)	11:20 AM	MultiRAE	VOC	0 ppm	No odors detected.
Strawberry and Parkside Rd. (Pasadena)	11:24 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
1306 Garth Rd. Park (Houston)	11:35 AM	MultiRAE	VOC	0 ppm	No odors detected.
Crockett Dr. and Bexar Dr. (La Porte)	11:38 AM-11:53 AM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, Oxygen normal	
		UltraRAE	Benzene	None detected	
Pawline Ln. and Meile St. (Pasadena)	11:50 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Spencer Hwy. and 8th St. (Pasadena)	11:56 AM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Memorial Baptist Church (Houston)	12:00 PM	MultiRAE	VOC	0 ppm	No odors detected.
Alamo Dr. (La Porte)	12:00 PM-12:16 PM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, oxygen normal	
		UltraRAE	Benzene	None detected	
Spencer Hwy. and Blueberry St. (Pasadena)	12:02 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
Freeport St. and Corpus Christi (Cloverleaf)	12:02 PM-12:20 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors

**Friday, March 22, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Spencer Hwy. and Morning Glory Dr. (Pasadena)	12:10 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No visible emissions or odors were detected
		MiniRAE	VOC	None detected	
San Jacinto Baptist Church (Deer Park)	12:27 PM-12:47 PM	AreaRAE	LEL, VOC, HCN, CO	None detected	No odors
		UltraRAE	Benzene	None detected	
Houston Dr. and Easy St. (La Porte)	12:43 PM-1:00 PM	AreaRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	None
		MultiRAE	LEL, VOC, HCN, SO2, O2	None detected, oxygen normal	
		UltraRAE	Benzene	None detected	
East Fwy. (Channelview)	12:44 PM-1:00 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, Oxygen normal	Driving on I-10 from Cloverleaf to Channelview, the investigators noted a moderate Benzene odor, no detection was noted on the monitor. When the investigators stopped on East Fwy., Channelview, no odors were detected by the investigators or on the monitor
North Side Baptist Church (Houston)	1:00 PM	MultiRAE	VOC	0 ppm	No odors detected.
Rolling Brook Fellowship (Houston)	1:20 PM	MultiRAE	VOC	0 ppm	No odors detected.
Mirabel B. Lamar Elementary School (Houston)	2:00 PM	MultiRAE	VOC	0 ppm	No odors detected.
Holland and 17th St. (Galena Park)	2:33 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
Crown and 16th St. (Galena Park)	2:43 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
Parkside and 16th St. (Galena Park)	2:55 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
800 block of N. 11th St. and 1100 block of Fairlane St. ((La Porte)	2:51:00 - 3:25 PM	TVA	VOC	2.43 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	None detected, oxygen normal	
Kids Park, 4700 Bush Rd. (Houston)	3:00 PM	MultiRAE	VOC	0 ppm	No odors detected.
Center Dr. and 7th St. (Galena Park)	3:05 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
1st St. and Center Dr. (Galena Park)	3:22 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
200 Block of S. 11th St. and 1200 Block of West 1B St.	3:30 - 3:54 PM	TVA	VOC	2.68 ppm	Very light exhaust odor for 2 - 3 minutes out of 15 minute survey
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	0 ppm, 21.3 % oxygen	
3rd St. and Graham (Galena Park)	3:39 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
9th St. and Craig (Galena Park)	3:56 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
15th St. and Leggett Dr. (Galena Park)	4:16 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
900 block of South 16th St.	4:29 PM	TVA	VOC	3.07 ppm	Very light to moderate odors for 5 minutes
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	1 ppm VOC, others 0 ppm; 21.5 % oxygen	
Center Dr. and 14th (Galena Park)	4:39 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
7761-7865 Sheldon Rd. (Houston)	4:45 PM	MultiRAE	VOC	0 ppm	No odors detected.
5th St. and Bank Dr. (Galena Park)	5:21 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
3500 block of Pawnee Dr. (La Porte)	5:38 - 6:07 PM	TVA	VOC	3.05 ppm	Very light odor for one minute.
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	All 0 ppm, 21.4 oxygen	
Rhode Island St. and Fidelity St. (Galena Park)	5:41 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen 21.2%	No odors detected.
Lanewell St. and Fidelity St. (Galena Park)	5:57 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen 21.2%	No odors detected.

**Friday, March 22, 2019**

<b>Location</b>	<b>Time (Approx.)</b>	<b>Instrument</b>	<b>Parameters</b>	<b>Survey Results</b>	<b>Other Notes/Observations</b>
Flint St. and Muscatine St. (Jacinto City)	6:13 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
Siesta Ln. and Muscatine St. (Jacinto City)	6:34 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
Baca St. and Verano St. (Jacinto City)	6:53 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen 21.2%	No odors detected.
S. Main St. and Korenek (Highlands)	7:15 - 7:20 PM	MultiRAE	O2, VOC, LEL, NH3, CL2	None detected, oxygen normal	No odors detected.
S. Main St. and Denny St. (Highlands)	7:25 - 7:30 PM	MultiRAE	LEL, VOC, O2	None detected, oxygen normal	No odors detected.
1057 Lynchburg Rd. (Baytown)	7:30 - 7:40 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Kerbey St. and Munn St. (Jacinto City)	7:31 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
316 Riverside St. (Highlands)	7:35 - 7:40 PM	MultiRAE	VOC	0 ppm	No odors detected.
1800 Lakeview Dr. (Baytown)	7:45 - 7:55 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Mercury Dr. and Munn St. (Jacinto City)	7:49 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
305 Highland Shores Dr. (Highlands)	7:51 PM	MultiRAE	VOC	0 ppm	No odors detected.
1700 Grace Ln. (Highlands)	8:08 - 8:13 PM	MultiRAE	VOC	0 ppm	No odors detected.
1709 Burnett Ave. (Baytown)	8:00 - 8:10 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
800 block of N. 16th St. (La Porte)	8:01 - 8:21 PM	TVA	VOC	3.16 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	None detected, oxygen normal	
1896 Center St. (Baytown)	8:15 - 8:25 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Jennifer Ln. and Munn St. (Jacinto City)	8:11 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
1700 Grace Ln. (Highlands)	8:08 - 8:13 PM	MultiRAE	VOC	0 ppm	No odors detected.
11810 Locust St. (Highlands)	8:25 - 8:30 PM	MultiRAE	VOC	0 ppm	No odors detected.
7191 Decker Dr. (Baytown)	8:27 - 8:37 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
888 Magnolia Ave.	8:38 PM	MultiRAE	VOC	0 ppm	No odors detected.
Federal Rd. and Kathryn St. (Greens Bayou)	8:30 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
164 N. Burnett Dr. (Baytown)	8:40 - 8:50 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1400 block of Lemon Lane (La Porte)	8:41 PM	TVA	VOC	3.22 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	None detected, oxygen normal	
Peggy's Ct. and Samuel Ln. (Greens Bayou)	8:54 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
370 S. Burnett Dr. (Baytown)	8:54 - 9:04 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
8548-8578 Sheldon Rd. (Houston)	9:00 - 9:20 PM	MultiRAE	VOC	0 ppm	No odors detected.
698 S. Burnett Dr. (Baytown)	9:06 - 9:16 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Northwest Park, 10210 North P St. (La Porte)	9:09 - 9:25 PM	TVA	VOC	3.36 ppm	Very light odor for 2 minutes
		MultiRAE	LEL, VOC, H2S, CO, O2, SO2	None detected, oxygen normal	
Industrial Rd. and Dunaway St. (Greens Bayou)	9:15 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.

**Friday, March 22, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
269 Hackberry Ln. (Baytown)	9:20 - 9:30 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Wallisville Rd. (Houston)	9:30 - 9:45 PM	MultiRAE	VOC	0 ppm	No odors detected.
198 Lazy Lane (Baytown)	9:34 - 9:44 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
211 Boxwood Dr. (Baytown)	9:49 - 9:59 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Channelview Complex (Channelview)	10:00 - 10:10 PM	MultiRAE	VOC	0 ppm	No odors detected.
7631 Bayway Dr. (Baytown)	10:08 - 10:18 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
6475 Bayway Dr. (Baytown)	10:24 - 10:34 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Holiday Inn on I-10 (Channelview)	10:35 - 10:45 PM	MultiRAE	VOC	0 ppm	No odors detected.
5338 Bayway Dr. (Baytown)	10:38 - 10:48 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
269 Brownwood (Baytown)	10:52 - 11:02 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Bandera and Kokomo St. (Houston)	11:00 - 11:14 PM	TVA	VOC	-0.3 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
483 Douglas St. (Baytown)	11:10 - 11:20 PM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Kroger at Hwy 8 (Channelview)	11:10 - 11:20 PM	MultiRAE	VOC	0 ppm	No odors detected.
Highlands Junior High School (Highlands)	11:12 PM	TVA	VOC	5.6 - 6.67 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Battleground Golf Course (Deer Park)	11:13 PM	MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	No odors detected.
Bandera and Barbara Mae	11:21 - 11:35 PM	TVA	VOC	-1.2 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Longview St. and Manor St. (Houston)	11:43 PM	TVA	VOC	-1.1 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Barbers Hill Rd. and Miner Rd. (Highlands)	11:48 PM	TVA	VOC	6.89 - 9.37 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	

**Saturday, March 23, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Granite Mountain (Channelview)	12:00 - 12:05 AM	MultiRAE	VOC	0 ppm	No odors detected.
Longview St. and Madolney St. (Cloverleaf)	12:05 - 12:19 AM	TVA	VOC	-1.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Hidden Village Dr. and Hidden Park	12:15 - 12:30 AM	MultiRAE	VOC	0 ppm	No odors detected.
Bonnette Junior High School (Deer Park)	12:15 AM	TVA	VOC	-0.73 to -1.40 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Joyce Zotz Education Center (Cloverleaf)	12:23 - 12:37 AM	TVA	VOC	-1.2 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Starling Ct. and Crescent Lake Cr. (Baytown)	12:30 AM	TVA	VOC	7.89 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	

**Saturday, March 23, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Highland Elementary School (Highlands)	12:58 AM	TVA	VOC	5.89 - 10.81 ppm	Very Light to Strong Odors detected Strong Odors were detected when the wind shifted for approximately 4 minutes 30-minute odor survey conducted Burnt Chemical Smell Facility located across the street.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
4441 Decker Dr. (Baytown)	12:40 - 12:50 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Claude Burgess Recreation Center (Deer Park)	12:45 AM	TVA	VOC	-0.92 to -1.05 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Dell Dale (Channelview)	12:53 - 1:03 AM	MultiRAE	VOC	0 ppm	No odors detected.
5362 W. Baker Rd. (Baytown)	12:55 - 1:05 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
North Shore High School (Houston)	1:08 - 1:22 AM	TVA	VOC	-1.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
7829 Bayway Dr. (Baytown)	1:08 - 1:30 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
N. Brentwood (Channelview)	1:10 - 1:20 AM	MultiRAE	VOC	0 ppm	No odors detected.
San Jacinto College (Pasadena)	1:16 AM	TVA	VOC	-0.85 to -1.02 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Food Town on I-10 and Sheldon (Channelview)	1:25 - 1:35 AM	MultiRAE	VOC	0 ppm	No odors detected.
Morinscott Dr. and Midpines (Cloverleaf)	1:27 - 1:41 AM	TVA	VOC	-1.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
College Park Elementary, 4315 Luella Ave. (Deer Park)	1:44 AM	TVA	VOC	-0.76 to -0.92 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1059 Crosby Lynchburg Rd. (Baytown)	1:45 - 2:00 AM	UltraRAE	Benzene	0.00 ppm	TCEQ vans are nearby and had no readings
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
14618 Leacrest Dr. (Houston)	1:47 - 2:01 AM	TVA	VOC	-1.4 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Flair Dr. and Northport Dr. (Houston)	2:09 AM	TVA	VOC	-1.5 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1800 Lakeview Dr. (Baytown)	2:10 - 2:30 AM	UltraRAE	Benzene	0.00 ppm	TCEQ vans are nearby and had no readings
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Deer Park United Methodist Church/School (Deer Park)	2:27 AM	TVA	VOC	-0.81 to -0.97 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Green Dolphin and Dattner Rd. (Houston)	2:33 - 2:47 AM	TVA	VOC	-1.3 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
1201 San Jacinto St. (Channelview)	2:30 - 2:45	MultiRAE	VOC	0 ppm	No odors detected.
1782 Hillcrest Ln. (Baytown)	2:35 - 2:55 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Texaco Rd. and Maxeia (Houston)	2:52 - 3:06 AM	TVA	VOC	-1.1 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	

**Saturday, March 23, 2019**

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Underwood Rd. and E. X St. (La Porte)	2:53 AM	TVA	VOC	-0.93 to -1.15 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Baytown Boat Club	2:55 - 3:05 AM	MultiRAE	VOC	0 ppm	No odors detected.
288 Brownwood Dr. (Baytown)	3:05 - 3:25 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
431 N. Hampton Ct. (Highlands)	3:10 - 3:20 AM	MultiRAE	VOC	0 ppm	No odors detected.
Underwood Rd. and N. L St. (La Porte)	3:17 AM	TVA	VOC	-0.92 to -1.09 ppm	Very light odors detected for 28 min. Chemical/earthy odor.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
362 Coburne St. (Baytown)	3:30 - 4:00 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Shorewick Dr. (Highlands)	3:35 - 3:45 AM	MultiRAE	VOC	0 ppm	No odors detected.
Fleming and Mercury St. (Houston)	3:41 - 3:55 AM	TVA	VOC	-1.3 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Sandy Lane (Highlands)	4:02 - 4:12 AM	MultiRAE	VOC	0 ppm	No odors detected.
Donnacorey and Falloon (Houston)	4:04 - 4:19 AM	TVA	VOC	-1.6 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
698 S. Burnett Dr. (Baytown)	4:10 - 4:30 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Leonard Rd. (Highlands)	4:10 - 4:25 AM	MultiRAE	VOC	0 ppm	No odors detected.
Jennie Reid Elementary School (La Porte)	4:17 AM	TVA	VOC	-0.85 to -0.99 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Cimarron Elementary School (Houston)	4:32 - 4:46 AM	TVA	VOC	-1.2 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
5482 Middleton Rd. (Baytown)	4:36 - 4:45 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Opossims Trl. (Houston)	4:40 - 4:50 AM	MultiRAE	VOC	0 ppm	No odors detected.
Rizzuto Elementary School (La Porte)	4:45 AM	TVA	VOC	-1.09 to -1.22 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
4645 Decker Dr. (Baytown)	4:50 - 5:00 AM	UltraRAE	Benzene	0.00 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Normandy St. and La Riviera Dr. (Houston)	4:54 - 5:08 AM	TVA	VOC	No reading	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
S. 10th St. and Spencer Hwy. (La Porte)	5:12 AM	TVA	VOC	-1.13 to -1.30 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Tice Elementary (Houston)	5:16 - 5:30 AM	TVA	VOC	-1.5 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	
Lomax Elementary School (La Porte)	5:51 AM	TVA	VOC	-1.07 to -1.36 ppm	No odors detected.
		MultiRAE	LEL, VOC, H2S, CO, O2	None detected, oxygen normal	