

# **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. MultiRaes 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), chlorine (CL<sub>2</sub>), ammonia (NH<sub>3</sub>), and oxygen levels (O<sub>2</sub>). UltraRAEs were used to monitor for benzene and Toxic Vapor Analyzers (TVA) were also used, 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. Some normal levels, also known as background levels, of VOCs were noted to be between 2.3 ppm and 2.4 ppm. Data is updated as information becomes available.

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Friday, April 5, 2019</b>						
4/5/2019	Fitness Connection, 12032 East Fwy. (Houston)	6:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	U-Haul of Northshore; 13330 I-10 E. (Houston)	7:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	6902 Lamar Lane (Houston)	7:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	North Shore Supply CO., 12944 Market St. Rd. (Houston)	7:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	San Jacinto College, 5800 Uvalde Rd. (Houston)	7:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Super 8 Hotel, 1217 Federal Rd. (Houston)	8:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	15411 Wallisville Rd. (Houston)	8:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Wood land Acres Christian School, 12338 Coulson St. (Houston)	8:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	15310 Southwood Trace Lane (Houston)	8:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Spark Park, 1498 Maryknoll Dr. (Houston)	9:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	15702 Mountain Mist Trail (Houston)	9:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	General Teran Auto Sales, 1840 Federal Rd. (Houston)	9:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Gene Green Dog Park, 6500 East Sam Houston Pkwy. (Houston)	9:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Federal Rd. (Houston)	10:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14650 U. S. 90 (Houston)	10:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Kinder Morgan Texas Terminal A, 405 Clinton Dt. (Galena Park)	10:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	8032 Miller Rd. (Houston)	10:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Galena Park Police Dept., 2207 Clinton Dr. (Houston)	11:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	US Steel Tubular, 9393 Sheldon Rd. (Houston)	11:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	True Word Deliver Once Revival Center, 2214 10th St. (Galena Park)	11:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Lyondell Basell, 2502 Sheldon Rd. (Channelview)	11:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Truck Zone Truck Parts, 9905 Clinton Dr. (Houston)	12:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	19115 Rio Villa Dr. (Houston)	12:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors

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<b>Friday, April 5, 2019</b>						
4/5/2019	UNC Food Mart, 404 Fidelity St. (Houston)	12:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	River Terrace Golf Course, 16777 Wallisville Rd. (Houston)	12:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Texaco Houston, 901 Clinton Dt. (Houston)	1:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	1531 Certyse Cir. (Channelview)	1:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Clinton Park, 200 Mississippi St. (Houston)	1:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Harvey Brown Elementary School, 16550 Wallisville Rd. (Houston)	1:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Sellers Bros Food Market, 1202 Uvalde Rd. (Houston)	2:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Millers Transporters, LLC, 15855 Wood Dr. (Channelview)	2:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Sheldon Ridge Way and Dahlia Vale Walk (Houston)	2:27 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	0.72 - 1.51 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Workforce Solutions - Northshore, 14355 Wallisville Rd. (Houston)	2:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Paintball Bobs Rental, 16819 Wood Dr. (Channelview)	2:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Brock Park, N. Green River Dr. (Houston)	2:40 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	4.01 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	W. Jacinto Dr. and E. Jacinto Dr. (Houston)	2:55 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	1.6 - 1.9 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	The Church of Jesus Christ of Latter Day Saints, 14404 Kemrock Dr. (Houston)	3:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Chinampa Mexican Restaurant, 17009 East Fwy. (Channelview)	3:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Deergrass Ln. and Craftmade Ln. (Houston)	3:19 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	1.21 - 1.69 ppm; 0 ppm; 0 ppm, oxygen normal	Very light (8 minutes) outdoor burn (ODB) odor noted upon arrival and throughout survey. No wind present. ODB odor consisted of a wood smoke odor likely due to an ODB witnessed on the north side of the Fauna Estates Neighborhood

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<b>Friday, April 5, 2019</b>						
4/5/2019	Light Christian Center, Penrod St. and Queenstand St. (Houston)	3:20 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.59 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	A&F Tax Service, 13209 Edgehill Dt. (Houston)	3:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Intra Services, 1647 Ridlon St. (Channelview)	3:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Reservoir Dr. and Nickel Plank Rd. (Houston)	3:42 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.51 - 2.67 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Yarda FTA, 11620 Beaumont Hwy. (Houston)	4:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	722 Greyston St. (Channelview)	4:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Lamkin Rd. and Burton Rd. (Houston)	4:06 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.71 - 2.87 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	J. W. Oates Elementary, Wallisville Rd. and Trailmobile Dr. (Houston)	4:15 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.53 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Allegiance Crane, 4000 Oates Rd. (Houston)	4:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Clarion Inn, 15157 I-10, (Channelview)	4:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Royalwood Elementary School (Houston)	4:30 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.84 - 3.51 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Hobart Taylor Community Center, Bacher St. and Kenton St. (Houston)	4:45 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.54 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Fielding Ln. and Lewiston Rd. (Houston)	4:52 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.90 - 3.16 ppm; 0 ppm; 0 ppm, oxygen normal	Very light (7 minutes) to light (1 minute) outdoor burning (ODB) smoke odor noted upon arrival and throughout survey. No wind present. ODB odor consisted of a wood smoke odor likely due to ODB in the area.
4/5/2019	Loves Travel Stop, 3940 N. McCarty St. (Houston)	5:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	239 Castlegory Rd. (Houston)	5:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Darien Loop Church of Christ, Darien St. and Banyan St. (Houston)	5:15 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.54 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Vanguard Truck Center, 5216 N. McCarty St. (Houston)	5:20 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	HM Carroll Elementary School (Houston)	5:21 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.27 - 3.05 ppm; 0 ppm; 0 ppm, oxygen normal	No odors

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<b>Friday, April 5, 2019</b>						
4/5/2019	Cloverleaf Park, 825 Beacon St. (Houston)	5:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Ernest McGaven Sr. Elementary School, Hompstead Road and Jay St. (Houston)	5:40 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.56 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Cravens Early Childhood Academy (Houston)	5:45 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.89 - 3.05 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	True Vine Church, Collingsworth St. and Sakowitz St. (Houston)	6:05 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.5 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Tidwell Headstart Center (Houston)	6:12 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.99 - 3.22 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	McReynolds, Zindler St. and Market St. (Houston)	6:26 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.56 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	5525 Clinton Dr. (Houston)	6:45 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	N. Wayside/Ley (Houston)	7:00 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	1323 15th St. (Galena Park)	7:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	N. Wayside/Ley (Houston)	7:00 PM	MultiRAE Benzene; MultiRAE Lite	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	5910 Market St. (Houston)	7:00 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14623 Muscatine St. (Houston)	7:00 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	8601 Ley Rd. (Houston)	7:15 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	1209 Zuber Dr. (Galena Park)	7:15 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	8601 Ley Rd. (Houston)	7:15 PM	MultiRAE Benzene; MultiRAE Lite	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	1147 Kress St. (Houston)	7:15 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	William S. Holland Middle School, Gellhorn Dr. and Josie St. (Houston)	7:30 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.58 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	8539 Wilkins Oaks (Houston)	7:30 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	154 Owens St. (Houston)	7:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	8539 Wilkins Oaks (Houston)	7:30 PM	MultiRAE Benzene; MultiRAE Lite	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	6402 Market St. (Houston)	7:30 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14399 McNair St. (Houston)	7:30 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Valley Lake Dr. and Valley Hollow Dr. (Houston)	7:40 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.25 - 2.45 ppm; 0 ppm; 0 ppm, oxygen normal	Very light (5 minutes) ODB odor noted upon arrival and throughout survey. No wind present. ODB odor consisted of a wood smoke odor likely due to an ODB in the area.
4/5/2019	916 Majestic St. (Houston)	7:42 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors

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<b>Friday, April 5, 2019</b>						
4/5/2019	N. Wayside/Woodlyn (Houston)	7:45 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	9823 Richcroft St. (Houston)	7:45 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Judson Robinson Jr. Community Center Ledwicke St. and Josie St. (Houston)	7:50 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.56 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	1222 Frankle St. (Houston)	7:50 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Caddo/Greenwich (Houston)	8:00 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	10201 Burman St. (Houston)	8:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Cliff Tutile Park (Houston)	8:00 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14299 Waxahachie St. (Houston)	8:10 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Stirlingshire St. and Guest St. (Houston)	8:12 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	2.59 - 2.69 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	Macedonia Missionary Baptist Church, Maxine St. and Tite St. (Houston)	8:15 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.54 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	10930 Mesa (Houston)	8:15 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	10409 N. Oswego St. (Houston)	8:15 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	6411 Laredo St. (Houston)	8:15 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	10118 Tidwell Rd. (Houston)	8:30 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	10311 Broadstairs St. (Houston)	8:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	2714 Sam Wilson St. (Houston)	8:30 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14000 Texarkana St. (Houston)	8:30 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Hilliard Elementary School (Houston)	8:33 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	5.17 - 6.59 ppm; 0 ppm; 0 ppm, oxygen normal	Very light garbage/sulfur odor noted upon arrival, but not present during odor survey. Very light (5 minutes) burning rubber odor noted throughout survey with elevated VOC levels detected by the TVA, likely due to an ODB in the area
4/5/2019	Pugh Elementary School, Larimer St. And Kress St. (Houston)	8:40 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.59 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12410 Tidwell Rd. (Houston)	8:45 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	11615 Woodshaver Dr. (Houston)	8:45 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	3722 Sakowitz St. (Houston)	8:45 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors

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4/5/2019	14547 Gainesville St. (Houston)	8:50 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	5547 Cavalcade (Houston)	8:55 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	New Faith Baptist Church (Houston)	8:58 PM	TVA; UltraRAE; MultiRAE	VOC; Benzene; LEL, VOC, H2S, CO, O2	3.76 - 5.39 ppm; 0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	R. Martinez Elementary School, Market St. and Port St. (Houston)	9:00 PM	TVA; MultiRAE Lite	VOC: O2, LEL, CO, H2S, VOC	3.56 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12473 Beaumont Hwy. (Houston)	9:00 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	414 Maxey Dr. (Houston)	9:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	St. Frances of Assis School (Houston)	9:08 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14502 Foxford Way (Houston)	9:10 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	6310 S. Lake Houston	9:15 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12819 Eastbrook Dr. (Houston)	9:15 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Hutcheson Park (Houston)	9:24 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	7916 Uvalde (Houston)	9:30 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12429 Pecan Ct. (Houston)	9:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	13999 Round Stone Ln. (Houston)	9:30 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	5656 Kelley St. (Houston)	9:42 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	13600 Tidwell (Houston)	9:45 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12920 Harvey Ln. (Houston)	9:45 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	218 White Cheddar St. (Houston)	9:50 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Van Hut/Stonefield Manor (Houston)	10:00 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	13409 Wallisville Rd. (Houston)	10:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	7725 Sandra St. (Houston)	10:00 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14010 Long Shadow Dr. (Houston)	10:10 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	9915 C. E. King (Houston)	10:15 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	6226 Hollow Pines Dr. (Houston)	10:15 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	7127 Kirkpatrick Blvd. (Houston)	10:15 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	C. E. King/ Garrett (Houston)	10:30 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	14207 Dartwood Dr. (Houston)	10:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Friday, April 5, 2019</b>						
4/5/2019	Woodforest North (Cloverleaf)	10:30 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	9019 Railroad Dr. (Houston)	10:35 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	12998 Garrett (Houston)	10:45 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	14646 Kemrock Dr. (Houston)	10:45 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	11730 Green River Dr. (Houston)	10:50 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	200 Cascade Pines Dr. (Houston)	10:50 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	10901 E. Sam Houston (Houston)	11:00 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	13407 Boyer Ln. (Houston)	11:00 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	7835 S. Lake (Houston)	11:10 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Fragrant Pine Ln. (Houston)	11:10 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	13631 Tidwell Rd. (Houston)	11:15 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	12819 Woodlite Ln. (Houston)	11:15 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	The Garden of the Lord Church, 13306 Crim Rd. (Houston)	11:25 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	Sheldon /Pineland (Houston)	11:30 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	530 Rivergrove Dr. (Houston)	11:30 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	14100 Karissa Ct. (Houston)	11:30 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	13211 Barnesworth Dr. (Houston)	11:40 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	1550 Beaumont Hwy. (Houston)	11:45 PM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/5/2019	735 Fawn Dr. (Houston)	11:45 PM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	6718 Forrest Mews Rd. (Houston)	11:50 PM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/5/2019	Blessed Hope Baptist Church (Houston)	11:55 PM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/5/2019	13106 Emporia St. (Houston)	12:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
<b>Saturday, April 6, 2019</b>						
4/6/2019	Garrett/W, Jacinto (Houston)	12:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	10912 Wallisville Rd. (Houston)	12:10 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7102 East Sam Houston Pkwy. (Houston)	12:10 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	13221 Rockglen St. (Houston)	12:15 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Garrett/Upland (Houston)	12:30 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors



Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Saturday, April 6, 2019</b>						
4/6/2019	515 Maple Way. (Houston)	12:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	3714 San Pedro St. (Houston)	12:30 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	15847 Granite Mountain Trail (Houston)	12:30 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	Garrett/Sheldon (Houston)	12:45 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12920 Greens Bayou St. (Houston)	12:45 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	C555 Community College Dr. (Houston)	12:45 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	5922 Carpenters Cove Ln. (Houston)	12:50 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	Sheldon Ridge/Gardentree (Houston)	1:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12701 Mcnair St. (Houston)	1:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	970 Dell Dale St. (Channelview)	1:10 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	Sheldon/Long (Houston)	1:15 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12511 St. Michel Dr. (Houston)	1:15 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	9161 Wallisville Rd. (Houston)	1:20 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Lamkin/90 (Houston)	1:30 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12811 Eastbrook Dr. (Houston)	1:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Sonoma Ranch (Channelview)	1:30 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	7401 Wallisville Rd. (Houston)	1:40 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Hall Shepperd/Sheldon (Houston)	1:45 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	539 Woodhurst St. (Houston)	1:45 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	14919 Scotter Dr. (Channelview)	1:50 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	4510 Ranger St. (Houston)	1:55 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Sheldon/Crosby (Houston)	2:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	802 Centerwood Dr. (Houston)	2:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	9222 Woodforest Blvd. (Houston)	2:00 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7949 Millard St. (Houston)	2:04 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7375 Liberty Ridge (Houston)	2:10 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	1306 Belin Dr. (Houston)	2:15 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7822 Booker St. (Houston)	2:20 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	8511 Miller Rd. #2 (Houston)	2:30 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12432 Yancy Dr. (Houston)	2:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Saturday, April 6, 2019</b>						
4/6/2019	6830 Oleander Grove Way (Houston)	2:30 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	7818 Bonaire St. (Houston)	2:32 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	12440 Strick Ln. (Houston)	2:45 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7909 Dockal (Houston)	2:45 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	6511 Green Pear Ln. (Houston)	2:50 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	10971 Pineland Rd. (Houston)	3:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	12353 Industrial Rd. (Houston)	3:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	15803 Granite Mountain Trail (Houston)	3:10 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	1311 11th St. (Galena Park)	3:15 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	9009 Clinton Dr. (Houston)	3:18 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	E. Sam Houston/Tidwell (Houston)	3:30 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	2015 7th St. (Galena Park)	3:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	1522 Goswell Ln. (Channelview)	3:30 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	1230 Maxine St. (Houston)	3:35 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	13001 Beaumont Hwy. (Houston)	3:45 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	1801 Leggett Dr. (Galena Park)	3:45 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Dorsett/Clinton Dr. (Houston)	3:50 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	1406 Leander Hall Cir. (Channelview)	3:50 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	90/Miller Rd. #3 (Houston)	4:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	9802 Bennett St. (Galena Park)	4:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	7251 Clinton Dr. (Houston)	4:05 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	15215 Gnassington Dr. (Channelview)	4:10 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	7913 Miller #3 (Houston)	4:15 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	10126 Fairfax St. (Houston)	4:15 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	5515 Clinton Dr. (Houston)	4:20 AM	MultiRAE Lite; UltraRAE 3000	O2, CO, LEL, H2S, VOC; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	Beaumont Hwy./Reservoir Rd. (Houston)	4:30 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	10345 S. Oswego St. (Houston)	4:30 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	800 Casey St. (Channelview)	4:30 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors
4/6/2019	Mayhaw/Crenshaw (Houston)	4:45 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	1725 Chazen Dr. (Houston)	4:45 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	1100 Sheldon Rd. (Channelview)	4:50 AM	MultiRAE Benzene	LEL, VOC, H2S, CO, O2, Benzene	0 ppm, oxygen normal	No Odors

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Saturday, April 6, 2019</b>						
4/6/2019	11800 Beaumont Hwy. (Houston)	5:00 AM	MultiRAE Benzene; MultiRAE	VOC; CO, H2S, LEL, O2	0 ppm; 0 ppm, oxygen normal	No odors
4/6/2019	1717 Serpentine Dr. (Houston)	5:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, CO, H2S, LEL, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odors
4/6/2019	8599-8501 Green River Dr. (Houston)	6:38 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	VOC 0.8 ppm, oxygen normal; 4.26 - 4.78 ppm	No odors
4/6/2019	Resurrection Church, 915 Zoe St. (Houston)	6:46 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	0.29 - 0.41 ppm; 0 ppm, oxygen normal	No relevant odors
4/6/2019	13349 East Fwy. (Houston)	7:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	15411 Wallisville Rd. (Houston)	7:00 AM	MultiRAE Lite; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Cliff Tutile Park (Houston)	7:09 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	0.15 ppm; 0 ppm, oxygen normal	No relevant odors
4/6/2019	Wayside Dr. and Way St. (Houston)	7:15 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 4.35 - 5.17 ppm	2 min. very light garbage odors.
4/6/2019	1202 Uvalde Rd. (Houston)	7:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	14100 Karissa Ct. (Houston)	7:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Trotter (JT) Park (Houston)	7:52 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 2.63 - 2.79 ppm	No odors
4/6/2019	1054 Uvalde Rd. (Houston)	8:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	15623 Liberty Bluff Dr. (Houston)	8:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Port and Trepner (Houston)	8:07 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-.44 to -.15 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	13113 Blythe St. (Houston)	8:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	15530 Miller Rd. (Houston)	8:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Wallisville and Sam Wilson St. (Houston)	8:32 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-.62 to -.34 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	Suburban Rd. and Annunciation St. (Houston)	8:47 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 3.16 - 3.56 ppm	No odors
4/6/2019	816 Cimarron St. (Houston)	9:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	8603 Sheldon Rd. (Houston)	9:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	6402 Market St. (Houston)	9:05 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-0.79 to -0.58ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	13106 Woodforest Blvd. (Houston)	9:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	15911 Rodale Dr. (Houston)	9:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Hutcheson Park, 5400 Lockwood, Houston	9:44 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-1.0.29 - 0.41 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	Garrett Elementary School (Houston)	9:54 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 2.91 - 3.07 ppm	No odors
4/6/2019	307 Maybrook Dr. (Houston)	10:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	120 Castlegory Rd. (Houston)	10:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Herman Brown Park, 173 Oates Rd. (Houston)	10:22 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-1.08 to -0.94 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	5609 Uvalde Rd. (Houston)	10:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	14023 Lantern Ln. (Houston)	10:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Saturday, April 6, 2019</b>						
4/6/2019	14355 Wallisville Rd. (Houston)	11:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	14705 Woodforest Blvd. (Houston)	11:00 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	6018 Woodbend Dr. (Houston)	11:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	1030 Willerley Ln. (Channelview)	11:30 AM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Sheldon Lake State Park (Houston)	11:31 AM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 2.97 - 3.10 ppm	No odors
4/6/2019	Pleasant United Methodist Church, 1403 Demaree Ln. (Houston)	11:43 AM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-1.19 to - 1.010 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	14400-14598 Flair Dr. (Houston)	12:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	16503 Peyton Ridge Cir. (Houston)	12:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Crude oil odor comes and goes with wind
4/6/2019	Sheldon Elementary School (Sheldon)	12:10 PM	MultiRAE; TVA	H2S, CO, O2, VOC, LEL; VOC	0 ppm, oxygen normal; 2.91 - 3.58 ppm	No odors
4/6/2019	6500 Purple Sage Rd. (Houston)	12:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Endeavor High School, 915 Sheldon Rd. (Channelview)	12:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Hobart Taylor Community Center, Bacher St. and Kenton St. (Houston)	12:32 PM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-1.94 to -1.32ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	6603 Uvalde Rd. (Houston)	1:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	16201 Wood Dr. (Channelview)	1:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Wayside and Gates (Houston)	1:05 PM	TVA; MultiRAE Lite	VOC; O2, LEL, CO, H2S, VOC	-1.64 to -1.34 ppm; 0 ppm, oxygen normal	No Odors
4/6/2019	1404 Federal Rd. (Houston)	1:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	828 Sheldon Rd. (Channelview)	1:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	1622 Federal Rd. (Houston)	2:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	16916 Shady Ln. (Channelview)	2:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	12302 Coulson St. (Houston)	2:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	USPS, 531 Sheldon Rd. (Channelview)	2:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	1644 Federal Rd. (Houston)	3:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	17433 River Rd. (Channelview)	3:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	1840 Federal Rd. (Houston)	3:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	410 Brookshire St. (Channelview)	3:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors

Date	Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
<b>Saturday, April 6, 2019</b>						
4/6/2019	Galena Park High School, 1000 Keene St. (Galena Park)	4:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	162134 Wood Dr. (Channelview)	4:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Market St. (Channelview)	4:10 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	2214 10th St. (Galena Park)	4:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	River Park (Channelview)	4:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Light crude oil odor, comes and goes
4/6/2019	Market St. (Channelview)	4:40 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Crude oil odor, gets lighter and less frequency
4/6/2019	17311 Market St. (Channelview)	4:50 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	1509 Mercury Dr. (Houston)	5:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	17130 Market St. (Channelview)	5:00 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	17180 Market St. (Channelview)	5:10 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Crude oil odor, comes and goes with wind
4/6/2019	1624 Mercury Dr. (Houston)	5:20 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors
4/6/2019	Market St. (Channelview)	5:30 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Strong crude oil odor, very frequent
4/6/2019	Independence Pkwy, Harris County	5:40 PM	MultiRAE; UltraRAE 3000	VOC, LEL, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No Odors