

Intercontinental Terminals Fire - March 2019

TCEQ's Handheld Monitoring Equipment Data

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 (H₂S), carbon monoxide (CO), sulfur dioxide (SO₂), radiation (Gamma), chlorine (CL₂), ammonia (NH₃), and oxygen levels (O₂). 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.

Monday March 25, 2019					
Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
200 block of Fidelity St., Houston	6:29 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H ₂ S, SO ₂ , CO, O ₂ , Gamma	1.72 ppm; 3 µrem, others 0 ppm	No odor
5020 East Road, Baytown	6:50 AM	TVA; MultiRAE	VOC; LEL, VOC, H ₂ S, CO, O ₂	-1.5 to -0.6 ppm; 0 ppm, oxygen normal	No odor
Bee Hive Dr. and Country Rd., Deer Park	6:56 AM	MultiRAE	LEL, VOC, H ₂ S, CO, O ₂	0 ppm, oxygen normal	No odor
335 Sheldon Rd., Channelview	7:00 AM	MultiRAELite	VOC, LEL, CO, H ₂ S, O ₂	0 ppm, oxygen normal	No odor
12000 block of Claudia Dr., Houston	7:16 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H ₂ S, SO ₂ , CO, O ₂ , Gamma	None; 3 µrem, others 0 ppm	Very light sewage odor, 2-3 minutes
Sinclair St. and Sycamore Ave., Deer Park	7:21 AM	MultiRAE	LEL, VOC, H ₂ S, CO, O ₂	0 ppm, oxygen normal	No odor
Allenbrook Park, 4111 Allenbrook, Baytown	7:27 AM	TVA; MultiRAE	VOC; LEL, VOC, H ₂ S, CO, O ₂	0 ppm; 0 ppm, oxygen normal	No odor
2767 Appelt Dr., Houston	7:30 AM	MultiRAELite	VOC, LEL, CO, H ₂ S, O ₂	0 ppm, oxygen normal	No odor
Walker Park, 704 River Bend, Baytown	7:50 AM	TVA; MultiRAE	VOC; LEL, VOC, H ₂ S, CO, O ₂	0 ppm; 0 ppm, oxygen normal	None
Kerry Dr. and Galway Dr., Deer Park	7:57 AM	MultiRAE	LEL, VOC, H ₂ S, CO, O ₂	0 ppm, oxygen normal	No odor
16298 Market St., Channelview	8:00 AM	MultiRAELite	VOC, LEL, CO, H ₂ S, O ₂	0 ppm, oxygen normal	No odor
Sheffield Blvd. and Myrtle Ln., Houston	8:10 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H ₂ S, SO ₂ , CO, O ₂ , Gamma	3.3 ppm; 11 µrem, others 0 ppm	No odor
Bayou Bend Park, Deer Park	8:24 AM	MultiRAE	LEL, VOC, H ₂ S, CO, O ₂	0 ppm, oxygen normal	No odor

Monday March 25, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Old River Heights, Channelview	8:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Sterling Municipal Library, 1 Mary Wilbanks Ave., Baytown	8:30 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.15 - 0.35 ppm; 0 ppm, oxygen normal	No odor
14000 Force St., Houston	8:45 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.35 ppm; 3 µrem, others 0 ppm	Very light exhaust odor, 1 minute
Knob Hill Ave. and Cunningham Dr., Deer Park	8:50 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
W.C. Britton Park, 1200 Missouri St., Baytown	8:56 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.27 - 0.45 ppm; 0 ppm, oxygen normal	No odor
16150 2nd St., Channelview	9:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Park Shadow Ln. and Park Dale Dr., Deer Park	9:17 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Pelly Park, 900 S. Main St., Baytown	9:20 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.11 - 1.38 ppm; 0 ppm, oxygen normal	No odor
601 Maxey Rd., Houston	9:22 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.3 ppm; 2 µrem, others 0 ppm	No odor
16823-16701 Market St., Channelview	9:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Wesley Ln. and E. Thirteenth St., Deer Park	9:40 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Roseland Park, 200 Roseland Dr., Baytown	9:49 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.27 - 1.46 ppm; 0 ppm, oxygen normal	No odor
2400 block of Pecan St., Houston	9:51 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.45 ppm; 3 µrem, others 0 ppm	Very light garbage odor, 1-3 minutes
17124 East Fwy., Channelview	10:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Crestwood Dr. and Kingwood Dr., Deer Park	10:08 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
14440 Wallisville Rd., Houston	10:23 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.33 ppm; 2 µrem, others 0 ppm	No odor
17512 Market St., Channelview	10:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Antrim Ln. and Myrtle Creek Dr., La Porte	10:39 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Hollaway (JC) Park, Baytown	10:40 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.68 - 2.01 ppm; 0 ppm, oxygen normal	No odor
17499-17427 River Rd., Channelview	11:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Jenkins Park, 4334 Crosby Cedar Bayou Rd., Baytown	11:00 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.46 - 1.93 ppm; 0 ppm, oxygen normal	No odor
Mulberry Court and Fleetwood Dr., La Porte	11:08 AM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
327 Magnolia St., Channelview	11:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor

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Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Dale Street Park, 1604 Sheridan, Baytown	11:35 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.80 - 2.35 ppm; 0 ppm, oxygen normal	No odor
6500 East Sam Houston Pkwy. N., Houston	11:42 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	2.84 ppm; 3 µrem, others 0 ppm	No odor
Frank C. Murdock Park, 1010 East Hunnicutt St., Baytown	11:55 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	None; 0 ppm, oxygen normal	No odor
711 Shields St., Channelview	12:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Briarwood Park, 502 Briarwood St., Baytown	12:17 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
16000 block Lisa Dawn Lane, Houston	12:21 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.5 ppm; 13 µrem, others 0 ppm	No odor
902 Forest River Dr., Channelview	12:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Duke Hill Park, 1400 Riggs St. Baytown	12:40 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Green meadow Dr. and Brook Meadow Dr., La Porte	12:50 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Kimberlee St., Houston	12:52 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, SO2, CO, O2, Gamma	3.28 ppm; 2 µrem, others 0 ppm	No odor
Woodforest Blvd. and Grollwood St., Channelview	1:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Biocentennial Park, 1001 Market St., Baytown	1:10 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Plainbrook Dr. and Valleyview Dr., La Porte	1:15 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
14939 Woodforest Blvd., Channelview	1:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
14898 Scotter Dr., Houston	2:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
6333 Sheldon Rd., Houston	2:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Shaver St. and W. Southmore Ave., Pasadena	2:56 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
302 N. Main St., Highlands	3:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Edna Mae Washington Park, Baytown	3:20 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Memorial North Baptist Church, Baytown	3:30 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.6 ppm; 0 ppm, oxygen normal	No odor
215 Battlebell Rd., Highlands	3:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Dabney Dr. and S. Palm Ct., Pasadena	3:45 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Brownwood Park, Baytown	3:50 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Cedar Bayou Baptist Church, Baytown	3:50 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.1 ppm; 0 ppm, oxygen normal	No odor

Monday March 25, 2019

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222 Kerry Rd., Highlands	4:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Unidad Park, Baytown	4:06 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.6 ppm; 0 ppm, oxygen normal	No odor
Travis School Park, Baytown	4:15 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
S. Avenue I and 10th St., Pasadena	4:22 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Spencer and 18th St., La Porte	4:28 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.2 ppm; 0 ppm, oxygen normal	No odor
E. Wallisville Rd. and Oleander St., County Terrace	4:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
McElroy Park, Baytown	4:40 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Wooster Heights, Baytown	5:00 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
4918 Woodford St., Baytown	5:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
S. Meadow Dr. and Sinclair St., Pasadena	5:10 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
131 Netherland Lane, Baytown	5:30 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
3407 Garth Rd., Baytown	5:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
S. FM 565 Rd., Cove	5:34 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.1 ppm; 0 ppm, oxygen normal	No odor
7920 Fairmont Pkwy., Pasadena	5:45 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Living Hope Church, Baytown	5:56 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	TVA began malfunctioning. Skunk-like odor but attributed to skunk.
Hollaway (JC) Park, Baytown	6:10 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
W. Fairmont Pkwy. and Hwy 146, Pasadena	6:18 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Bob Smith Rd. and McKinney Rd., Baytown	6:27 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
La Porte High School	6:45 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
9938 Shield St. (Houston)	6:45 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
Goose Creek Memorial High School, Baytown	6:50 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
2219 TX-146 Business	6:50 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
518 North Bayshore Dr. (La Porte)	7:00 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
1530 Evergreen Rd., Baytown	7:05 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Steelman St. (Houston)	7:05 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
San Jacinto Mall, Baytown	7:15 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
1248 West Fairmont Parkway (La Porte)	7:15 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Gober St. and Vinett St. (Pasadena)	7:20 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
11877 West Fairmont Parkway (La Porte)	7:29 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Red Bluff Rd. and Bay Area Blvd., Pasadena	7:30 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor

Monday March 25, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Cedar Bayou Junior High School	7:32 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Ruell St. and Michael Dr. (Pasadena)	7:35 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
3881 Cottonwood Dr. (La Porte)	7:44 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Rosa Allen St. and Loper St. (Pasadena)	7:50 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
Ross S. Sterling High School, Baytown	7:56 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
9997 West Fairmont Parkway (La Porte)	7:58 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Clear Lake City Blvd. and Galveston Rd., Pasadena	8:05 PM	MultiRAE Pro	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Loper St. and El Buey Way (Pasadena)	8:05 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
8835 West Fairmont Parkway (La Porte)	8:11 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odor. TCEQ HQ called: Instructed to move southern border from Fairmont to Spencer Highway, mobilize to eastern end of new area, will work East to West and South to North
Highlands Elementary School, Highlands	8:15 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Falvey St. and Loper St. (Pasadena)	8:15 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Baytown Premier San Jacinto Mall, Baytown	8:17 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
Vinett St. and Maroby St. (Pasadena)	8:30 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Stallworth Stadium, Baytown	8:39 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
3310 Ballister (La Porte)	8:42 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None, Road closed going to Ballister Fishing Area. As far east as staff can go.
Drew Elementary School, Crosby	8:45 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Oriole St. and Michael Dr. (Pasadena)	8:45 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
1279 East Main St. (La Porte)	8:57 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Baytown Junior School, Baytown	9:10 PM	MultiRAELite	VOC, LEL, CO, O2	0 ppm, oxygen normal	No odor
Nelda Sullivan Middle School (Pasadena)	9:10 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
450 West Main St. (La Porte)	9:10 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Baytown Historical Museum	9:12 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
2931 North 23rd St. (La Porte)	9:24 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
315 N. Allen Genoa Rd. (Pasadena)	9:25 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None

Monday March 25, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
11361 Spencer Highway (La Porte)	9:37 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
2941 Spencer Hwy. (Pasadena)	9:40 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
Missouri St. and Wyoming St., Baytown	9:51 PM	MultiRAE	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	No odor
201 Valley Brook Dr. (La Porte)	9:52 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
4201 Spencer Hwy. (Pasadena)	10:00 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
9629 Spencer Highway (La Porte)	10:05 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	No odor, TCEQ HQ called: Go to Center and X, Holiday Inn, I-10 and 8 North of Bridge due to reported sweet chemical smell
Beltway 8 and Hwy. 10	10:25 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
176 Sylvia St. (Deer Park)	10:27 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None, next to TCEQ van
8259 Spencer Highway (La Porte)	10:49 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Fairmont Park (La Porte)	10:50 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.51 ppm; None detected, oxygen normal	No odor detected.
Fairmont Park off Allen-Genoa Rd. (Pasadena)	10:50 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.79 - 1.22 ppm; None detected, oxygen normal	No odor detected.
3803 Spencer Hwy. (Pasadena)	11:00 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
4889 Marie Ave. (Deer Park)	11:03 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Driftwood Dr. and Oakwood Dr. (La Porte)	11:10 PM	UltraRAE	Benzene	0 ppm	No odor detected.
4701 Spencer Hwy. (Pasadena)	11:15 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
6343 Spencer Highway (Pasadena)	11:17 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Jennie Reid Elementary School (La Porte)	11:18 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.14 ppm; None detected, oxygen normal	No odor detected.
Shaver St. and Spencer Highway (Pasadena)	11:20 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.60 - 1.68 ppm; None detected, oxygen normal	No odor detected.
3033 East Beltway 8 South (Pasadena)	11:31 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
2085 Preston Ave. (Pasadena)	11:35 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Baker 6th Grade Campus (La Porte)	11:37 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	0.84 - 2.65 ppm; None detected, oxygen normal	No odor detected.
River of God Church (La Porte)	11:40 PM	UltraRAE	Benzene	0 ppm	No odor detected.
2213 Oleander Dr. (Pasadena)	11:45 PM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None

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Federal Rd. and Spencer Highway (Pasadena)	11:46 PM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.91 - 2.02 ppm; None detected, oxygen normal	No odor detected.
2821 Red Bluff Rd. (Pasadena)	11:50 PM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Belfast Rd. and Andricks Rd. (La Porte)	11:59 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.04 ppm; None detected, oxygen normal	No odor detected.
416 Bearle St. (Pasadena)	12:10 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
St. Mary's Catholic Church (La Porte)	12:10 AM	UltraRAE	Benzene	0 ppm	No odor detected.
Marshall Kendrick Middle School (Pasadena)	12:10 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.09 - 2.21 ppm; None detected, oxygen normal	No odor detected.
Pecan Park (La Porte)	12:20 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	0.86 ppm; None detected, oxygen normal	No odor detected.
Jackson Ave. and Scott St. (Pasadena)	12:25 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
3300 Greenwood Place (Deer Park)	12:25 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Spencer Highway and Lily St. (Pasadena)	12:40 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.54 - 2.61 ppm; None detected, oxygen normal	No odor detected.
Scott St. and Alvin St. (Pasadena)	12:40 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
3601 Center St. (Deer Park)	12:40 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Beechaven Rd. and Fern Rock Dr. (La Porte)	12:42 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.11 ppm; None detected, oxygen normal	No odor detected.
Miramar Park, Miramar Dr. and Shore Acres Circle (Shoreacres)	12:45 AM	UltraRAE	Benzene	0 ppm	No odor detected.
1958 Easte Pasadena Blvd. (Deer Park)	12:54 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Slight sweet pain odor
Community Dr. and Coleman Ave. (Pasadena)	1:00 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
Lilac St. and Spencer Highway (Pasadena)	1:02 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.64 - 2.81 ppm; None detected, oxygen normal	No odor detected.
Resurrected Life Church, Ashton Ln. and Ventura Ln. (La Porte)	1:03 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.37 ppm; None detected, oxygen normal	No odor detected.
2900 East Pasadena Blvd. (Deer Park)	1:09 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	Deer Park PD stopped to check. Said site was going to foam tanks to lower vapors close to site at 2:00 ppm.
Burke Rd. and Alastaire Ave. (Pasadena)	1:15 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Bayshore Elementary School, McCabe Rd. and 146 (La Porte)	1:15 AM	UltraRAE	Benzene	0 ppm	No odor detected.
10470 North L St. (La Porte)	1:22 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
San Jacinto College Central Campus, 8060 Spencer Highway (La Porte)	1:25 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.11 ppm; None detected, oxygen normal	No odor detected.
Parkgate Community Church on Preston Rd. (Pasadena)	1:28 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.46 - 2.57 ppm; None detected, oxygen normal	No odor detected.
Morningside Ln. and Brown Dr. (Pasadena)	1:30 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
11302 North L St. (La Porte)	1:34 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Deep Water Ave. and Flamborough Dr. (Pasadena)	1:45 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
La Porte Girls Softball Assoc., Little Cedar Bayou Dr. and Gardenwalk Dr. (La Porte)	1:45 AM	UltraRAE	Benzene	0 ppm	No odor detected.
12082 North L St. (La Porte)	1:48 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Janus Rd. and Knob Hill Ave. (Pasadena)	1:49 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.12 ppm; None detected, oxygen normal	No odor detected.
Yellowstone Park on Yellowstone Dr. (Pasadena)	1:53 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.57 - 2.69 ppm; None detected, oxygen normal	No odor detected.
Yorkshire and Bennington Dr. (Pasadena)	2:05 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
3081 East X St. (La Porte)	2:08 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
La Porte High School, Park Dr. and East Fairmont Parkway (La Porte)	2:10 AM	UltraRAE	Benzene	0 ppm	No odor detected.
Texas Chiropractic College, 5912 Spencer Highway (Pasadena)	2:17 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.19 ppm; None detected, oxygen normal	No odor detected.
Early Childhood Center (Pasadena)	2:20 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
2117 East X St. (Deer Park)	2:23 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Karen Ln. and Edgefield Dr. (Pasadena)	2:35 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
543 East X St. (Deer Park)	2:36 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Crenshaw Rd. and Beltway 8 (Pasadena)	2:37 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.36 - 2.58 ppm; None detected, oxygen normal	No odor detected.
Bliss Meadows Park on South Meadow Ave. (Pasadena)	2:38 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.25 ppm; None detected, oxygen normal	No odor detected.
493 West X St. (Deer Park)	2:49 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Paradise Mobile Home Park (Pasadena)	2:55 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Genoa Red Bluff Rd. and Beltway 8 (Pasadena)	2:59 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.53 - 2.57 ppm; None detected, oxygen normal	No odor detected.
Village Grove Park on Rockfield Dr. (Pasadena)	3:01 AM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2	1.02 ppm; None detected, oxygen normal	No odor detected.
3907 St. Augustine Ave. (Pasadena)	3:03 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Strawberry Rd. and Pasadena Blvd. (Pasadena)	3:10 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Carroll Teague Elementary School, Crenshaw Rd. and Burke Rd. (Pasadena)	3:18 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.34 - 2.52 ppm; None detected, oxygen normal	No odor detected.
289 Beltway Green Blvd. (Pasadena)	3:19 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
1710 Shaver St. (Pasadena)	3:25 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
Rizzuto Elementary School, Farrington St. and Catlett Ln. (La Porte)	3:25 AM	UltraRAE	Benzene	0 ppm	No odor detected.
4406 Pasadena Freeway (Pasadena)	3:31 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
First Baptist Church, 7500 Fairmont Parkway (Pasadena)	3:38 AM	TVA	VOC	1.23 ppm	No odor detected.
2000 Richey St. - Allendale Shopping Center (Pasadena)	3:40 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
5586 Highway 225 (Deer Park)	3:45 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Pasadena Fire Station #7, Crenshaw Rd. and Parkland St. (Pasadena)	3:48 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.43 - 2.58 ppm; None detected, oxygen normal	No odor detected.
Rusk Park, Pasadena	3:55 AM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
6432 TX-225 (Deer Park)	3:59 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Fairmont Junior High, 4911 Holly Bay Court (Pasadena)	4:03 AM	TVA	VOC	1.06 ppm	No odor detected.
2618 Pansy St. - Golden Acres Church (Pasadena)	4:05 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
6894 TX-225 (Deer Park)	4:12 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
V.W. Miller Intermediate School, Fairmont Pkwy. (Pasadena)	4:17 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.46 - 2.53 ppm; None detected, oxygen normal	No odor detected.
1905 Jasmine Dr. (Pasadena)	4:20 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm, oxygen normal	None
9126 TX-225 (La Porte)	4:25 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Anthony Lane and Crenshaw Rd. (Pasadena)	4:28 AM	TVA	VOC	1.05 ppm	No odor detected.
10630 TX-225 (La Porte)	4:37 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
Adella Young Elementary, Fox Meadow Ln. (Pasadena)	4:38 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.45 - 2.48 ppm; None detected, oxygen normal	No odor detected.
1201 Glenmore Dr. (Pasadena)	4:40 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
12128 TX-225 (La Porte)	4:51 AM	MultiRAE Lite; UltraRAE	LEL, VOC, H2S, CO, O2; Benzene	0 ppm, oxygen normal; 0 ppm	None
220 Preston Rd. (Pasadena)	4:55 AM	MultiRAE Lite	LEL, VOC, H2S, CO, O2	0 ppm	None
Fairmont Park (La Porte)	5:13 AM	TVA	VOC	1.03 ppm	No odor detected.
Pasadena Public Library, Fairmont Branch and Fairmont Pkwy. (Pasadena)	5:15 AM	TVA; MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.44 - 2.65 ppm; None detected, oxygen normal	No odor detected.
Deer Park Dow Center, Pasadena Fwy., Deer Park	7:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
306 Deerwod Glen Dr., Deer Park	7:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
4403 Pasadena Fwy., Pasadena	7:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
316 Georgia Ave., Deer Park	7:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
801 Georgia Ave., Deer Park	8:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
901 W. 13th, Deer Park	8:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
St. Hyacinth Catholic Church, 2921 Center St., Deer Park	8:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Dow Park Athletic Complex, 801 E. P St., Deer Park	8:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
College Park Elementary, 4315 Luella Ave., Deer Park	9:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
7300 Spencer Hwy., Pasadena	9:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
8501 Spencer Hwy, Deer Park	9:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1401 Hoover Dr., Deer Park	9:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
11543 N. D St., La Porte	10:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
10615 Spencer Hwy., La Porte	10:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
2515 Galveston Rd., Houston	10:30 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O2	1.9 ppm; None detected, oxygen normal	No odor
8525 Park Place Blvd, Houston	10:58 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O3	1.9 ppm; None detected, oxygen normal	Next to South Sims WWTP Very light to light odors pungent were detected for less than 2 minutes.
Farrington Dr. and Archway Dr., La Porte	11:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
142 Rockleigh Place, Houston	11:25 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O4	1.2 ppm; None detected, oxygen normal	No odor
7011 Spencer Hwy., Pasadena	11:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
6335 Spencer Hwy., Pasadena	11:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Cesar Chavez HS 8501 Howard Drive, Houston	11:45 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O5	1.2 ppm; None detected, oxygen normal	No odor
Partnership Park, Pasadena	12:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1107 Shaver Street, Pasadena	12:10 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O6	1.4 ppm; None detected, oxygen normal	No odor
Sycamore Ave. and Dedman St., Pasadena	12:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1301 W. Pasadena Blvd., Deer Park	12:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Jackson Intermediate School, Pasadena	12:35 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O7	0.9 ppm; None detected, oxygen normal	No odor
1307 W. Pasadena Blvd., Deer Park	12:45 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
De Zavala Middle School, Pasadena	12:58 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O8	0.9 ppm; None detected, oxygen normal	No odor
2103 W. Sam Houston Pkwy., Pasadena	1:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1485 E. Sam Houston Pkwy., Pasadena	1:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
126 Pasadena Town Square Mall, Pasadena	1:23 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O9	0.9 ppm; None detected, oxygen normal	Very light to light pungent odor detected. The odor was consistent during the 30-minute odor survey.
E. Sam Houston Pkwy. and Conklin Ln., Deer Park	1:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
410 W. Pasadena Blvd., Deer Park	2:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Williams Elementary School, Pasadena	2:05 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O10	0.9 ppm; None detected, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
LifeBridge Baptist Church, 2709 Kingsdale Dr., Deer Park	2:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3814 Center St., Deer Park	2:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Robert Patterson Elementary School, Houston	2:33 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O11	0.6 ppm; None detected, oxygen normal	No odor
Cristy Park, 900 Ave. H, South Houston	2:40 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Charles H. Milby Park, Pasadena	2:50 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
St. Augustine Catholic School, 5500 Laurel Creek Way, Houston	2:54 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O12	0.9 ppm; None detected, oxygen normal	No odor
1238 Duthc St., Deer Park	3:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Burke Rd and Spencer Hwy., Pasadena	3:25 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Memorial Park, Pasadena	3:25 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Harris County Public Library, South Houston Branch, Houston	3:28 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O13	0.6 ppm; None detected, oxygen normal	No odor
900 Georgia Ave., Deer Park	3:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3900 Zumi Trl., Pasadena	3:50 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
11032 Spencer Hwy., La Porte	3:52 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	2.3 ppm; 0 ppm, oxygen normal	No odor
L.F. Smith Elementary School, Pasadena	3:53 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O14	0.5 ppm; None detected, oxygen normal	No odor
4912 Railroad St., Deer Park	4:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
10101 W. Fairmont, La Porte	4:15 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	1.0 ppm; 0 ppm, oxygen normal	No odor
Strawberry Park, 2900 Lafferty Road, Pasadena	4:18 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O15	0.5 ppm; None detected, oxygen normal	No odor
Harvey Turner Elementary School, 4333 Lily St., Pasadena	4:20 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
La Iglesia del Pueblo, 1600 Pasadena Blvd., Pasadena	4:26 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3605 Center St., Deer Park	4:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
10105 W. Fairmont, La Porte	4:35 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.4 ppm; 0 ppm, oxygen normal	No odor
Bobby Shaw Middle School, Pasadena	4:42 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O16	0.5 ppm; None detected, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Burke Crenshaw Park, 4950 Burke Rd., Pasadena	4:45 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5753 Genoa Red Bluff Rd., Pasadena	4:58 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.7 ppm; 0 ppm, oxygen normal	No odor
Police Department, 2911 Center St., Deer Park	5:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
US Postal Services, 200 E. San Augustine St., Deer Park	5:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
2035 Allen Genoa Road, Pasadena	5:15 PM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	0.6 ppm; None detected, oxygen normal	No odor
Fairmont Junior High School, Pasadena	5:21 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.6 ppm; 0 ppm, oxygen normal	No odor
Gulf Palms Park, 11901 Palm Springs Dr., Houston	5:32 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Ashbury United Methodist Church, Pasadena	5:41 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.1 ppm; 0 ppm, oxygen normal	No odor
Strawberry Park, Pasadena	5:56 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5161 E. Sam Houston Pkwy., Pasadena	6:17 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0 ppm; 0 ppm, oxygen normal	No odor
Wilson Memorial Park, 100 Gilpia St., Houston	6:24 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Spencer Hwy. and S. Perez Rd., South Houston	6:34 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5555 Fairmont Pkwy., Pasadena	6:40 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.3 ppm; 0 ppm, oxygen normal	No odor
Strawberry St. and Wheeler St., Pasadena	6:45 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5700 Hwy. 225, Deer Park	6:45 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No Odor, will work map 1 area till 22:00 when winds shift then move to map 2 area
6100 Spencer Hwy., Pasadena	6:57 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.3 ppm; 0 ppm, oxygen normal	No odor
6608 TX-225, Deer Park	6:58 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No odor
College Ave, and Houston Blvd., South Houston	7:05 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Lawrence Ave. and Statford St., Pasadena	7:05 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
7508 TX-225, La Porte	7:12 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No odor
Olson Ln. and Crestford Ln., Pasadena	7:15 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.1 ppm; 0 ppm, oxygen normal	No odor
James St. and Thomas Ave. Pasadena	7:20 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
9452 TX-225, La Porte	7:25 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No odor
2505 Rosemead Dr., Pasadena	7:35 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
11132 TX-225, La Porte	7:37 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No odor
San Jacinto College, Central Campus, Pasadena	7:40 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.2 ppm; 0 ppm, oxygen normal	No odor
Allen Genoa Rd. and Richey St., Pasadena	7:45 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Southmore Ave. and Main St., Pasadena	7:45 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1254 Sens Rd., La Porte,	7:49 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O2	0.00 ppm; 0 ppm, oxygen normal	No odor
Kent Dr. and Providence Ln., Pasadena	7:50 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3122 Earl St., Pasadena	7:50 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
11859 North L St., La Porte	8:01 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O3	0.00 ppm; 0 ppm, oxygen normal	No odor
508 Yorkshire Ave., Pasadena	8:05 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Fairmount Park, 10319 Collingswood Rd., La Porte	8:06 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.3 ppm; 0 ppm, oxygen normal	No odor
1870 Alvy Drive, La Porte	8:14 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O4	0.00 ppm; 0 ppm, oxygen normal	No odor
803 Busse Cir., Pasadena	8:20 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
9979 North L St., La Porte	8:27 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O5	0.00 ppm; 0 ppm, oxygen normal	No odor
Driftwood Dr. and Mesquite Dr., Pasadena	8:30 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.3 ppm; 0 ppm, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Jensen Elementary School, 3514 Tulip St., Pasadena	8:34 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3515 Longwood Dr., Pasadena	8:35 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
2835 East Pasadena Blvd., Deer Park	8:41 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O6	0.00 ppm; 0 ppm, oxygen normal	No odor
526 W. Oak. St., Deer Park	8:50 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
2168 East Pasadena Blvd., Deer Park	8:57 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O7	1.00 ppm; 0 ppm, oxygen normal	Stopped in route to next location due to odor, Sweet Paint, PID Benzene started reading will sit and monitor area, called into TCEQ HQ and reported readings, color change on tube
2350 East Pasadena Blvd., Deer Park	9:03 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O8	0.00 ppm; 0 ppm, oxygen normal	No odor, moved East of power line ROW, will go West next
Pecan Park, 3600 Canada Rd., La Porte	9:08 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	1.2 ppm; 0 ppm, oxygen normal	No odor
Georgia Ave. and W. X. St., Deer Park	9:10 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Pasadena Memorial High School, 4410 Crenshaw Rd., Pasadena	9:15 PM	MultiRAE Pro	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
3240 Somerset Ln., Deer Park	9:15 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O9	0.10 ppm; 0 ppm, oxygen normal	No Odor, have changed tube in meter
329 Amber Cir., Deer Park	9:25 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
4822 Space Center Blvd., Pasadena	9:26 PM	TVA; MultiRAE Pro	VOC; LEL, VOC, H2S, CO, O2, Gamma	0.6 ppm; 0 ppm, oxygen normal	No odor
2886 Luella Ave., Deer Park	9:31 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O10	0.50 ppm; 0 ppm, oxygen normal	Very slight odor, sweet paint
LifeBridge Baptist Church, Deer Park	9:40 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
6323 Bramley Dr., Pasadena	9:47 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
8850 Spencer Hwy., La Porte	9:50 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O11	0.00 ppm; 0 ppm, oxygen normal	No odor
2715 Sinclair St., Deer Park	9:55 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1430 E. Victorson Ave., Channelview	10:20 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
13398 Market Street Rd., Houston	10:23 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O12	0.00 ppm; 0 ppm, oxygen normal	No odor, in area two now
Monument Baptist Church, Deer Park	10:24 PM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	1.66 - 1.89 ppm; None detected, oxygen normal; 0 ppm	No odor
Deer Park Municipal Courthouse, Deer Park	10:25 PM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.74 ppm; None detected, oxygen normal	No odor
14599 Lemay St., Channelview	10:35 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1648 Miles Street, Houston	10:35 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O13	0.00 ppm; 0 ppm, oxygen normal	No odor
Deer Park South High School, Deer Park	10:47 PM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.38 ppm; None detected, oxygen normal	No odor
14699 Waldine St., Channelview	10:50 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
13622 Industrial Road, Houston	10:50 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O14	0.00 ppm; 0 ppm, oxygen normal	No odor
Brownwood Park, Deer Park	10:54 PM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.18 - 2.33 ppm; None detected, oxygen normal; 0 pmm	No odor
13973 Industrial Road, Houston	11:04 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O15	0.00 ppm; 0 ppm, oxygen normal	No odor
J. P. Bonnette Jr. High School, Deer Park	11:04 PM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.18 ppm; None detected, oxygen normal	No odor
Barbara Mae St. and Alderson St., Channelview	11:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Heritage Elementary School, Deer Park	11:18 PM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.43 - 2.52 ppm; None detected, oxygen normal; 0 ppm	No odor
12698 East Freeway, Houston	11:21 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O16	0.00 ppm; 0 ppm, oxygen normal	No odor
Spencer View Athletic Complex, Deer Park	11:29 PM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.11 ppm; None detected, oxygen normal	No odor
12945 Myrtle Ln., Houston	11:41 PM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
719 Nancy Rose, Woodforest	11:50 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Pecan Park, La Porte	11:52 PM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.66 - 2.74 ppm; None detected, oxygen normal; 0 ppm	No odor

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
14506 Renault St, Woodforest	12:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1522 Federal Rd., Houston	12:00 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O13	0.00 ppm; 0 ppm, oxygen normal	No odor
Partnership Park, Deer Park	12:00 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.01 ppm; None detected, oxygen normal	No odor
Milby Park, Houston	12:05 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	4.89 - 7.03 ppm; None detected, oxygen normal	No odor
2354 Federal Rd., Houston	12:14 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O14	0.00 ppm; 0 ppm, oxygen normal	No odor
1108 Freeport St., Woodforest	12:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Faithbridge Church, Deer Park	12:15 AM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.78 - 2.88 ppm; None detected, oxygen normal; 0 ppm	No odor
Pine Park, Deer Park	12:19 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.08 ppm; None detected, oxygen normal	No odor
Herbert Tartar Park, 1900 Block Van Buren Dr., Pasadena	12:20 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	4.02 - 7.10 ppm; None detected, oxygen 21.4%	No odors noted upon arrival or throughout survey. O2 on MultiRAE peaked at 21.4%; constant 21.2% - 21.3%. Possibly due to leaf blower nearby. Performed Fresh Air Calibration in field; condition was resolved
Ivy Ave. and E. 5th St., Deer Park	12:26 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
626 Freeport St., Woodforest	12:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Grandview Memorial Park / Bethany Cemetery	12:37 AM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.77 - 2.91 ppm; None detected, oxygen normal; 0 ppm	No odor
Alabama and War Admiral, Deer Park	12:43 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.91 ppm; None detected, oxygen normal	No odor
13363 Halifax St., Woodforest	12:50 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Spencer Hwy. and Underwood Rd., La Porte	12:58 AM	TVA, MultiRAE; UltraRAE	VOC; LEL, VOC, H2S, CO, O2; Benzene	2.79 - 2.88 ppm; None detected, oxygen normal; 0 ppm	No odor
1132 Federal Rd., Houston	1:00 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O15	0.00 ppm; 0 ppm, oxygen normal	No odor
Purple Sage Rd. and Lourdes Dr., Channelview	1:10 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
W. C. McMasters Elementary School	1:14 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.21 ppm; None detected, oxygen normal	Light to very light garbage odors detected for 17 of 30 minutes
12266 Coulson Dr., Houston	1:15 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O16	0.00 ppm; 0 ppm, oxygen normal	No odor
14651 MorinScott Dr., Channelview	1:25 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Bayshore Baptist Church, La Porte	1:29 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.83 - 2.85 ppm; None detected, oxygen normal	The UltraRAE battery died at the beginning of the odor survey

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
12401 Claudia Dr., Houston	1:32 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
Trailview Dr. and Dartwood Dr., Channelview	1:40 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
11493 Market Street Rd., Houston	1:50 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O13	0.00 ppm; 0 ppm, oxygen normal	No odor
Sens Rd. and Viola St., La Porte	1:51 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.91 - 2.93 ppm; None detected, oxygen normal	No odor
Southmore Park, Pasadena	1:52 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.70 ppm; None detected, oxygen normal	No odor
14654 Edengren Dr., Channelview	1:55 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1130 Holland Ave., Houston,	2:05 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O14	0.00 ppm; 0 ppm, oxygen normal	No odor
6327 Hollow Pines Dr., Channelview	2:10 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Loman Elementary School, La Porte	2:13 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.93 - 2.96 ppm; None detected, oxygen normal	No odor
2340 Holland Ave., Galena Park	2:15 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O15	0.00 ppm; 0 ppm, oxygen normal	No odor
Golden Acres Center, Pasadena	2:17 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.59 ppm; None detected, oxygen normal	No odor
5902 Hollow Pines Dr., Channelview	2:25 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1770 Holland Ave., Galena Park	2:30 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O16	0.00 ppm; 0 ppm, oxygen normal	No odor
Lomax Junior Hish School, La Porte	2:34 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.88 - 3.02 ppm; None detected, oxygen normal	No odor
12600 Wallisville Rd., Channelview	2:40 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1200 Clinton Dr., Galena Park	2:44 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
11634 Woodbuck Trl., Channelview	2:55 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Veterans Memorial Stadium, Pasadena	2:57 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.49 ppm; None detected, oxygen normal	No odor
12579 Clinton Dr., Galena Park	2:58 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O13	0.00 ppm; 0 ppm, oxygen normal	No odor
2217 Clinton Dr., Galena Park	3:13 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O14	0.00 ppm; 0 ppm, oxygen normal	No odor
Deer Park Junior High School, Deer Park	3:13 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	3.16 - 3.21 ppm; None detected, oxygen normal	No odor

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Westshire Dr. and Fleming Dr., Channelview	3:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
160 Fidelity St., Houston	3:25 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O15	0.00 ppm; 0 ppm, oxygen normal	No odor
Pomeroy Elementary, Pasadena	3:25 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.53 ppm; None detected, oxygen normal	No odor
500 Mercury Dr., Channelview	3:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Deer Park North High School, Deer Park	3:34 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	3.18 - 3.28 ppm; None detected, oxygen normal	No odor
1496 Fidelity St., Houston	3:37 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O16	0.00 ppm; 0 ppm, oxygen normal	No odor
12938 Stillington Dr., Channelview	3:50 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Red Bluff Elementary, Pasadena	3:51 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.42 ppm; None detected, oxygen normal	No odor
4011 Fidelity St., Houston	3:53 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
Deer Park Police Department, Deer Park	4:01 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	3.27 - 3.78 ppm; None detected, oxygen normal	No odor
13400 Rampchester Ln., Channelview	4:05 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
9834 Market St., Houston	4:06 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O16	0.00 ppm; 0 ppm, oxygen normal	No odor
South St. Soccer Fields Pasadena	4:18 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	1.18 ppm; None detected, oxygen normal	No odor
369 Freeport St., Channelview	4:20 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Deer Park Elementary School, Deer Park	4:22 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	3.07 - 3:13 ppm; None detected, oxygen normal	No odor
127 Pasadena Fwy., Pasadena	4:33 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
13914 Foxford Way., Channelview	4:35 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Deer Park United Methodist Church, Deer Park	4:45 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.92 - 3:03 ppm; None detected, oxygen normal	No odor
169 Shaw Ave., Pasadena	4:47 AM	UltraRAE; MultiRAE Light	Benzene; LEL, VOC, H2S, CO, O17	0.00 ppm; 0 ppm, oxygen normal	No odor
Battleground Municipal Golf Course, Deer Park	4:48 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.66 ppm; None detected, oxygen normal	No odor
14410 Owendarle Dr., Channelview	4:50 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Clay Ct. and S. Independence Pkwy. S., Deer Park	5:05 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	2.89 - 2.97 ppm; None detected, oxygen normal	No odor

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
DuPont and Sycamore, Pasadena	5:18 AM	TVA, MultiRAE	VOC; LEL, VOC, H2S, CO, O2	0.87 ppm; None detected, oxygen normal	No odor
Historic Santa Anna Capture Site, 3194 Washburn Tunnel, Pasadena	6:30 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.58 - 2.00 ppm; None detected, oxygen normal	No odor
10230 East Fwy., Houston	6:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Laura Ln. and N. Avenue L, La Porte	6:32 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	4 µrem gamma, no other readings	No odor
1302-1310 Mercury Dr., Houston	6:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Farrington St. and Meadow Crest Dr., La Porte	7:00 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
1900 N. Main St., Galena Park	7:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
4514 Durant Ave., Deer Park	7:01 AM	TVA	VOC	1.19 - 1.68 ppm	No odor
Jackson Intermediate School, 1020 Thomas Av., Pasadena	7:10 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.63 - 2.33 ppm; None detected, oxygen normal	No odor
Galena Park Middle School, 400 Keene St., Galena Park	7:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1606 Clinton Dr., Galena Park	7:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
710 W. San Agustine St., Deer Park	7:31 AM	TVA	VOC	1.39 - 1.93 ppm	No odor
Mockingbird Ln. and Cardinal St., Deer Park	7:35 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	27 µrem gamma, no other readings	No odor
307 Holland Ave., Galena Park	7:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Iglesia Bautista Linaje Escogido, 414 Allen Genoa Rd., Houston	7:55 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	2.20 - 3.27 ppm; None detected, oxygen normal	No odor
Valley View Dr. and Sky View Ln., La Porte	8:00 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	4 µrem gamma, no other readings	No odor
500 W. 13th St., Deer Park	8:01 AM	TVA	VOC	1.18 - 1.82 ppm	No odor
1201 Holland Ave., Galena Park	8:06 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1813 Holland Ave., Galena Park	8:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Kingdom Hall of Jehovah's Witness, 1725 Kerby St., Houston	8:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
4000 block of Green Shadow Dr., Pasadena	8:32 AM	TVA	VOC	1.72 - 1.93 ppm	No odor
Robinson Rd. and Houston Dr., La Porte	8:43 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	4 µrem gamma, no other readings	No odor
Jacinto City Library, 921 Akron St., Houston	8:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
W. Curtis Ave & Juanita Dr., Pasadena	8:50 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.72 - 2:54 ppm; None detected, oxygen normal	No odor

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
11438 Munn St., Jacinto City	9:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Del Monte Dr. and Meadowlake Rd., Pasadena	9:03 AM	TVA	VOC	1.67 - 1.91 ppm	TVA flamed out as it was being put back into the truck. Tried to troubleshoot. Will try to restart TVA at the next location.
Brownwind Trl. and Willow Trl., Deer Park	9:10 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
11500 East Fwy., Houston	9:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
2859 S Richey St., Houston	9:20 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.33 - 2.33 ppm; None detected, oxygen normal	No odor
11515 Market St., Houston	9:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Lillie St. and Nedith Ln., Deer Park	9:31 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3µrem gamma, no other readings	No odor
1210 Federal Rd., Houston	9:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
US Postal Service, 5302 Galveston Rd., Houston	10:00 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.17 - 1.70 ppm; None detected, oxygen normal	No odor
1395 Federal Rd., Houston	10:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Arbor Dr. and Dahlia Ln., Deer Park	10:05 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	52 µrem gamma, no other readings	No odor
13609 Industrial Rd., Houston	10:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Lanell St. and Paulette Dr., Deer Park	10:27 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
14035 Industrial Rd., Houston	10:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Strawberry Park, 2800 Block Strawberry Ln., Pasadena	10:35 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	1.71 - 2.80 ppm; None detected, oxygen normal	No odor
13863 Industrial Rd., Houston	10:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
E. Reata Dr. and Big Bend Ln., Deer Park	10:47 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	5 µrem gamma, no other readings	No odor
Market St. Baptist Church, 12964 Market St., Houston	11:00 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Lisa Ln. and Leslie Ln., Deer Park	11:06 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
900 block of Sherwood Dr., Pasadena	11:10 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	3.28 - 4.50 ppm; None detected, oxygen normal	No odor
13400 E. Fwy., Houston	11:15 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1115 Bennett Dr., Pasadena	11:17 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	The TVA did not have a constant flame so investigators took out a MultiRAE Light from TCEQ. Went back to TCEQ at 10:36 and went back to the field at 11:00. No odor.

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Survey Results	Other Notes/Observations
Luella Ave. and E. 8th St., Deer Park	11:28 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor
13750 E. Fwy., Houston	11:30 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Pasadena Public Library, 1201 Jeff Ginn Memorial Dr., Pasadena	11:45 AM	TVA, MultiRAE Light	VOC; LEL, VOC, H2S, CO, SO2, O17	5.28 - 6.52 ppm; None detected, oxygen normal	No odor
1234 Freeport St., Houston	11:45 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Wynfield Dr. and Wynchase Dr., Deer Park	11:48 AM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	4 µrem gamma, no other readings	No odor
1405 Starkey St., Pasadena	11:57 AM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
13828 Corpus Christi St., Houston	12:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
E. 8th St. and Alyse St., Deer Park	12:07 PM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings`	No odor
New Life Assembly, 749 Uvalde Rd., Houston	12:15 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
13801 Hollypark Dr., Houston	12:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
223 Taranto Ln, Houston	1:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
1001 Satsuma St., Pasadena	1:07 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5655 E. Sam Houston Pkwy. N., Houston	1:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5629 Uvalde Rd., Houston	2:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
15325 Wallisville Rd., Houston	2:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
15117 Walden Park Ct., Houston	3:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
New Forest Glen and Southwood Trace Ln., Houston	3:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Dr. Shirley J. Williamson Elementary, Houston	4:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
6331 Uvalde Rd., Houston	4:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
Tice Elementary School, Houston	5:00 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
5300 S. Lake Houston Pkwy., Houston	5:30 PM	MultiRAELite	VOC, LEL, CO, H2S, O2	0 ppm, oxygen normal	No odor
N. P St. and Lemon Ln., La Porte	8:22 PM	MultiRAE Pro	LEL, VOC, H2S, CO, SO2, Gamma	3 µrem gamma, no other readings	No odor