

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 (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.

Date	Location	Time (Approx.)	Instrument	Benzene	LEL	VOC	H2S	NH3	CO	Gamma	O2	SO2	CL2	Other Notes/ Observations
Wednesday, June 5, 2019														
6/5/2019	5655 E Sam Houston Pkwy N, Houston, TX	2:55 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor. Persistent moderate to heavy rain 7:30 a.m. to 2:55 p.m. Drove area. No odors detected. Wind gust also made it difficult due to blowing rain.
6/5/2019	16550 Wallisville Rd, Houston, TX	3:15 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	1100 Sheldon Rd, Channelview, TX	3:35 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	1876 I-10, Baytown, TX	3:45 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	1210 Dell Dale St, Channelview, TX	3:55 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	14807 S Silver Green Dr, Houston, TX	4:15 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	472 S Burnett Dr, Baytown, TX	4:15 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	525 Overbluff St, Channelview, TX	4:35 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	7707 Bayway Dr, Baytown, TX	4:45 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	911 Hollywood St, Houston, TX	4:55 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	13349 Vicksburg St, Houston, TX	5:35 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	445 Sheldon Rd, Channelview, TX	5:45 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor
6/5/2019	675 Maxey Rd, Houston, TX	5:55 PM	MultiRAE Benzene	0 ppm	0%	0 ppm	0 ppm		0 ppm		20.9%			No odor