

# **TCEQ Handheld Monitoring Equipment Data**

## **Severe Cold Weather Event – February 2021**

In response to the severe winter weather event in February of 2021, the TCEQ began conducting handheld air monitoring surveys along the industrial corridors of the Texas Gulf Coast to assess air quality. Air monitoring is being conducted by regional staff using handheld equipment (primarily RAE instruments). These instruments provide instantaneous readings for various compounds and parameters 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>), chlorine (Cl<sub>2</sub>), ammonia (NH<sub>3</sub>), hydrogen cyanide (HCN), and oxygen (O<sub>2</sub>). Monitoring began while many facilities were shutdown, will continue as facilities startup, and conclude after startups are complete.

Sample results from TCEQ's handheld monitoring equipment are listed below, including observations of odor. Some normal levels, also known as background levels, of VOCs may be noted to be below 3 ppm. Data is updated as information becomes available.

### **Region 12 - Houston**

February 26 - 28, 2021

Team	Date	Time	Location Description	City	Other Notes/ Observations	Instrument	LEL	VOC	H2S	CO	O2
TCEQ Team 1	2/26/2021	8:45 AM	9311 E Avenue P	Houston	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	9:10 AM	1200 Broadway Street	Houston	no odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	9:10 AM	4501 Attwater Ave	Texas City	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	9:39 AM	Pleasanton Manner Park	Houston	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	9:40 AM	South of CAMS station located at 2212 N.34th Street	Texas City	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	10:00 AM	1900 N Main St	Galena Park	no odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	10:05 AM	Intersection of FM 1765 and 33rd Street South	Texas City	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	10:26 AM	655 Maxey Road	Houston	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	10:30 AM	201 S 25th St	Texas City	No Odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	11:00 AM	S 14th Street and Loop 197 S	Texas City	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	11:03 AM	14000 Force Street	Houston	no odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	11:20 AM	Neighborhood/100-148 1st St. N/Cross Streets: N 1st Street and N 1st Ave	Texas City	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	11:30 AM	15939 Lorenzo Street	Channelview	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	11:35 AM	Eastside Park - N. 3rd St. and N 2nd Ave.	Texas City	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	11:55 AM	Meadowbrook Park	Channelview	No odors detected	MultiRAE or MiniRAE	0	0	0	0	21.1%
TCEQ Team 2	2/26/2021	11:57 AM	Neighborhood - 601 2nd Ave N./Cross Streets: 2nd Ave. N. and 7th St. N.	Texas City	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	1:18 PM	Cross Streets: 17th St. N and Texas Ave. Next to The G Spot Auto Repair Shop.	Texas City	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	1:20 PM	1001 Market Street	Baytown	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	1:40 PM	Baytown City Hall	Baytown	no odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	1:43 PM	15th St. N and 16th Ave. N - Neighborhood	Texas City	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	2:05 PM	6213 Bayway Drive	Baytown	No odors detected	MultiRAE or MiniRAE	0	0	0	0	21.2%

Team	Date	Time	Location Description	City	Other Notes/ Observations	Instrument	LEL	VOC	H2S	CO	O2
TCEQ Team 2	2/26/2021	2:25 PM	2811 TX-146 S; Cross Streets: HWY 146S and FM519	La Marque	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	2:35 PM	David Burnett Park	Baytown	No odors detected	MultiRAE or MiniRAE	0	0	0	0	21.1%
TCEQ Team 2	2/26/2021	2:52 PM	Neighborhood - Ross St. and Robbie St.	La Marque	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	3:10 PM	River Terrace Park	Channelview	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/26/2021	3:37 PM	Greenwood Park	Houston	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	3:50 PM	Near San Jacinto College Maritime Campus/Bayport Container Terminal - Cross Streets: S Shady Lane and 501	La Porte	No odors	MultiRAE or MiniRAE	0	0	0	0	21.2%
TCEQ Team 1	2/26/2021	4:01 PM	Wilke Park	Houston	No odors detected	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/26/2021	4:10 PM	Cross Streets: W. Fairmont Pkwy and Driftwood Drive	La Porte	No odors	MultiRAE or MiniRAE	0	0	0	0	21.2%
TCEQ Team 1	2/27/2021	8:40 AM	City of Baytown Animal Services 705 N Robert C Lanier	Baytown	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	9:15 AM	Goose Creek Reserve Goose Creek Park Dr. @ Summerlin Ct.	Baytown	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	9:17 AM	Brockman St @ E Plantation Dr	Clute	No odors.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	9:38 AM	Nolan Ryan Exy @ Entrance Rd	Freeport	No odors.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	9:45 AM	Creekside Apartments 3120 Decker Dr	Baytown	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	10:04 AM	TX 332	Freeport	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	10:18 AM	McElroy Park 4403 Craigmont Blvd.	Baytown	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	10:37 AM	Dow Levee Rd	Freeport	No odor.	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 1	2/27/2021	10:55 AM	David G Burnet Park	Baytown	No odor	MultiRAE or MiniRAE	0	0	0	6	20.9%
TCEQ Team 2	2/27/2021	11:00 AM	Casio Rd @ TX 332	Freeport	No Odors.	MultiRAE or MiniRAE	0	0	0	0	21.2%
TCEQ Team 1	2/27/2021	11:22 AM	Meadowbrook Park 17410 River Rd	Channelview	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	11:55 AM	River Terrace Park 16550 Market St	Channelview	No odors. CO 28 ppm upon arrival. Decreased as time passed, down to 7 ppm.	MultiRAE or MiniRAE	0	0	0	28	20.9%

Team	Date	Time	Location Description	City	Other Notes/ Observations	Instrument	LEL	VOC	H2S	CO	O2
TCEQ Team 2	2/27/2021	12:25 PM	34th St between 20th St. and 23th St	Texas City	No odors.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	12:44 PM	21st St @ 24th St.	Texas City	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	1:22 PM	Lakeside Dr at Channelview 812 Lakeside Dr	Channelview	No odor	MultiRAE or MiniRAE	0	0	0	12	20.9%
TCEQ Team 2	2/27/2021	1:30 PM	9th Ave @ 14th St	Texas City	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	1:50 PM	River Terrace Park (16550 Market St.)	Channelview	No odors.	MultiRAE or MiniRAE	0	0	0	14	20.9%
TCEQ Team 2	2/27/2021	1:51 PM	7th Ave. @ 14th St	Texas City	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	2:35 PM	Maxey Park (601 Maxey Rd.)	Houston	No odor.	MultiRAE or MiniRAE	0	0	0	14	20.9%
TCEQ Team 2	2/27/2021	2:40 PM	Center St @ S. Country Club Dr	La Porte	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	3:04 PM	Springwood Dr @ Driftwood Dr	La Porte	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	3:10 PM	Pyburn Elementary School (12302 Coulson St.)	Houston	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/27/2021	3:36 PM	Peggy St @ E Eighth St	Deer Park	No odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/27/2021	3:42 PM	Galena Park Middle School (400 Keene St)	Galena Park	Slight exhaust odor.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	2:17 AM	Hartman Park 9311 E Avenue P	Manchester/Houston	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	8:20 AM	Milby Park 2001 Central Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	5	20.9%
TCEQ Team 1	2/28/2021	8:27 AM	829 McCarty Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	8:45 AM	Milby Park 2001 Central Street	Houston	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	9:00 AM	1210 Central Street Waller is the cross street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	3	20.9%
TCEQ Team 1	2/28/2021	9:00 AM	Manchester Houston TX 9611 East Ave. J	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	9:08 AM	Milby Park 2001 Central Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	9:22 AM	9285 Waller Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	9:30 AM	Milby Park 2001 Central St	Houston	No Odors. Intermittent smoking flare- photo sent in.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	9:52 AM	Milby Park 2001 Central street	Houston	No odors. Smoking flare with larger plume then previously- photo submitted.	MultiRAE or MiniRAE	0	0	0	0	20.9%

Team	Date	Time	Location Description	City	Other Notes/ Observations	Instrument	LEL	VOC	H2S	CO	O2
TCEQ Team 1	2/28/2021	10:11 AM	1398 96th Street	Houston	Very Light odors near storage tanks	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 2	2/28/2021	10:13 AM	Milby Park 2001 Central St	Houston	No Odors. Intermittent smoking flare.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	10:39 AM	Intersection of East Avenue L and 93 Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.2%
TCEQ Team 2	2/28/2021	10:43 AM	Intersection of Memorial Park and Vince Street	Pasadena	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	11:03 AM	9201 East Ave. L	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.2%
TCEQ Team 2	2/28/2021	11:17 AM	Deepwater High School 501 Glenmone Drive	Pasadena	No odor	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	11:43 AM	Crown street	Galena Park	Very light odors	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 2	2/28/2021	11:54 AM	Intersection of Wynfield Drive and Park Green	Deer Park	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	12:21 PM	Old la Porte Rd. and Houston drive	La Porte	No odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	12:56 PM	12401 Claudia Drive	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 2	2/28/2021	1:25 PM	Milby Park 2001 Central Street	Houston	No odors. Smoking flare.	MultiRAE or MiniRAE	0	0	0	15	20.9%
TCEQ Team 1	2/28/2021	1:30 PM	12458 Kayla Lane	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 2	2/28/2021	1:45 PM	Milby Park 2001 Central Street	Houston	No odors. Smoking flare observed.	MultiRAE or MiniRAE	0	0	0	4	20.9%
TCEQ Team 1	2/28/2021	2:08 PM	Intersection of Sheffield Drive and Lila Lane	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.3%
TCEQ Team 1	2/28/2021	2:33 PM	12709 Coulson	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.4%
TCEQ Team 2	2/28/2021	2:40 PM	Intersection of E Avenue O and 92nd Street (Manchester)	Houston	No Odors.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	3:01 PM	Intersection of E. Avenue L and Central Street	Houston	No odors	MultiRAE or MiniRAE	0	0	0	6	20.9%
TCEQ Team 1	2/28/2021	3:06 PM	1774 Haden Road	Houston	No odors	MultiRAE or MiniRAE	0	0	0	0	21.4%
TCEQ Team 2	2/28/2021	3:37 PM	Intersection of E Avenue L and 96th Street	Houston	No Odors	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 2	2/28/2021	3:40 PM	Intersection of E Avenue I and 96th Street	Houston	No odors.	MultiRAE or MiniRAE	0	0	0	0	20.9%
TCEQ Team 1	2/28/2021	3:45 PM	15113 South Drive	Channelview	No odors	MultiRAE or MiniRAE	0	0	0	0	21.5%