

TCEQ Air Monitoring Van Data ITC Fire – March - April 2019

TCEQ Ambient Monitoring staff began conducting monitoring in the area of the Deer Park fire at Intercontinental Terminals Company on Monday, March 18, 2019. Monitoring vans contain multiple analyzers used to measure hydrogen sulfide (H₂S), sulfur dioxide (SO₂), and 17 volatile organic compounds (VOCs) at part per billion (ppb) levels. VOC measurements listed below from the real-time gas chromatograph are instantaneous readings and are represented as the range of concentrations measured over the listed time period. A toxic vapor analyzer was also used to survey for sampling locations. This instrument provides instantaneous readings for non-specified part per million (ppm) level VOCs.

A summary of preliminary sample results from the TCEQ's monitoring van equipment are listed below. Monitoring efforts continue and additional results will be updated as available. The TCEQ Toxicology Division has reviewed these preliminary data and indicated that the observed levels do not present an immediate health concern. **Please note that these preliminary data have not been verified by the TCEQ and may change. The data are not official until validated by technical staff.**

Monday, March 18, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
Richmond Avenue and Sage Street	10:50 PM - 11:45 PM	Ultraviolet Fluorescence Analyzer	SO ₂	5.47 - 5.78	0.4
	7:35 PM - 11:55 PM	Cavity Ring Down Spectrometer	H ₂ S	2.63 - 3.68 (5-minute average) 2.88 - 3.19 (30-minute average)	3
	2:39 PM - 11:39 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 8.7 (m+p xylene, detection limit 9) 0.0 - 13 (o-xylene, detection limit 3.3) No other VOCs were detected	Varies, see results column

H₂S - hydrogen sulfide
ppb - parts per billion
SO₂ - sulfur dioxide
VOCs - volatile organic compounds

Tuesday, March 19, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
Richmond Avenue and Sage Street	12:00 AM - 7:00 PM	Ultraviolet Fluorescence Analyzer	SO ₂	5.78 - 10.4	0.4
	12:00 AM - 6:05 PM	Cavity Ring Down Spectrometer	H ₂ S	2.66 - 4.62 (5-minute average) 2.89 - 4.21 (30-minute average)	3
	12:02 AM - 4:45 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 14 (acetylene, detection limit 3.5) 0.0 - 35 (propane, detection limit 4.3) 0.0 - 86 (n-butane, detection limit 3.6) 0.0 - 37 (1-butene, detection limit 2.6) 0.0 - 140 (1,3-butadiene, detection limit 2.5) 0.0 - 12 (hexane + cyclohexane, detection limit 5.8) 0.0 - 22 (ethylbenzene, detection limit 4.7) 0.0 - 11 (styrene, detection limit 6.3) 0.0 - 28 (m+p xylene, detection limit 9) 0.0 - 16 (o-xylene, detection limit 3.3) No other VOCs were detected	Varies, see results column
7728 Lockwood Drive	8:00 PM - 11:45 PM	Ultraviolet Fluorescence Analyzer	SO ₂	8.89 - 12.6	0.4
	11:50 PM - 11:55 PM	Cavity Ring Down Spectrometer	H ₂ S	3.10 - 3.20 (5-minute average)	3
	7:48 PM - 11:37 PM	Real-Time Gas Chromatograph	VOCs	31 - 240 (propane, detection limit 4.3) 0.0 - 17 (n-butane, detection limit 3.6) 0.0 - 7.4 (1,3-butadiene, detection limit 2.5) 0.0 - 5.9 (m+p xylene, detection limit 9) No other VOCs were detected	Varies, see results column

H₂S - hydrogen sulfide

ppb - parts per billion

SO₂ - sulfur dioxide

VOCs - volatile organic compounds

Wednesday, March 20, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
7728 Lockwood Drive	12:00 AM - 9:15 AM	Ultraviolet Fluorescence Analyzer	SO ₂	7.88 - 9.84	0.4
	12:10 AM - 9:45 AM	Cavity Ring Down Spectrometer	H ₂ S	2.50 - 4.15 (5-minute average) 2.77 - 3.94 (30-minute average)	3
	12:12 AM - 8:44 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 41 (propane, detection limit 4.3) 0.0 - 47 (n-butane, detection limit 3.6) 0.0 - 14 (1,3-butadiene, detection limit 2.5) 0.0 - 3.1 (octane, detection limit 3.4) 0.0 - 4.4 (ethylbenzene, detection limit 4.7) 0.0 - 6.2 (styrene, detection limit 6.3) 0.0 - 11 (m+p xylene, detection limit 9) 0.0 - 5.7 (o-xylene, detection limit 3.3) No other VOCs were detected	Varies, see results column
801 East P Street	11:30 AM - 11:45 AM	Ultraviolet Fluorescence Analyzer	SO ₂	7.87 - 8.03	0.4
	11:00 AM - 2:40 PM	Cavity Ring Down Spectrometer	H ₂ S	2.77 - 3.62 (5-minute average) 3.19 - 3.40 (30-minute average)	3
	10:47 AM - 1:07 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected	Varies, see results column
14659 East Freeway	3:45 PM - 4:30 PM	Ultraviolet Fluorescence Analyzer	SO ₂	8.37 - 10.5	0.4
	3:30 PM - 4:30 PM	Cavity Ring Down Spectrometer	H ₂ S	3.00 - 3.34 (5-minute average) 3.15 - 3.19 (30-minute average)	3
	3:23 PM - 3:33 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected	Varies, see results column
15631 Jacintoport Boulevard	5:00 PM - 10:15 PM	Ultraviolet Fluorescence Analyzer	SO ₂	8.07 - 10.2	0.4

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
	4:40 PM - 11:55 PM	Cavity Ring Down Spectrometer	H ₂ S	2.23 - 3.97 (5-minute average) 2.58 - 3.54 (30-minute average)	3
	4:38 PM - 11:27 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 28 (propane, detection limit 4.3) 0.0 - 44 (n-butane, detection limit 3.6) 0.0 - 9.0 (1,3-butadiene, detection limit 2.5) 0.0 - 7.0 (octane, detection limit 3.4) 0.0 - 8.3 (styrene, detection limit 6.3) 0.0 - 9.4 (m+p xylene, detection limit 9) No other VOCs were detected	Varies, see results column

H₂S - hydrogen sulfide
ppb - parts per billion
SO₂ - sulfur dioxide
VOCs - volatile organic compounds

Thursday, March 21, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
891 Independence Parkway North	12:45 AM - 2:15 AM	Ultraviolet Fluorescence Analyzer	SO ₂	9.02 - 13.8	0.4
	12:40 AM - 3:05 AM	Cavity Ring Down Spectrometer	H ₂ S	1.92 - 3.45 (5-minute average) 2.34 - 3.06 (30-minute average)	3
	12:21 AM - 2:15 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 68 (propane, detection limit 4.3) 0.0 - 11 (n-butane, detection limit 3.6) 0.0 - 25 (benzene, detection limit 5.9) 0.0 - 6.4 (toluene, detection limit 1.8) 0.0 - 9.4 (ethylbenzene, detection limit 4.7) 0.0 - 27 (styrene, detection limit 6.3) No other VOCs were detected	Varies, see results column
9705 Spencer Highway	5:00 AM - 9:15 AM	Ultraviolet Fluorescence Analyzer	SO ₂	8.90 - 11.8	0.4
	3:45 AM - 11:00 AM	Cavity Ring Down Spectrometer	H ₂ S	2.11 - 3.68 (5-minute average) 2.55 - 3.27 (30-minute average)	3
	5:47 AM - 9:22 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 20 (ethylbenzene, detection limit 4.7) 0.0 - 8.4 (styrene, detection limit 6.3) 0.0 - 32 (m+p xylene, detection limit 9) 0.0 - 10 (o-xylene, detection limit 3.3) No other VOCs were detected	Varies, see results column
15631 Jacintoport Boulevard	12:00 PM - 8:15 PM	Ultraviolet Fluorescence Analyzer	SO ₂	8.23 - 10.4	0.4
	11:50 AM - 8:45 PM	Cavity Ring Down Spectrometer	H ₂ S	2.55 - 3.87 (5-minute average) 2.94 - 3.76 (30-minute average)	3
	10:26 AM - 8:03 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 1.1 (ethane, detection limit 16) 0.0 - 26 (propane, detection limit 4.3) 0.0 - 82 (propylene, detection limit 2.4) 0.0 - 19 (n-butane, detection limit 3.6) 0.0 - 9.0 (1,3-butadiene, detection limit 2.5)	Varies, see results column

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
				No other VOCs were detected	
Brownwood Drive	10:00 PM - 11:45 PM	Ultraviolet Fluorescence Analyzer	SO ₂	9.13 - 11.6	0.4
	9:15 PM - 11:55 PM	Cavity Ring Down Spectrometer	H ₂ S	2.36 3.31 (5-minute average) 2.60 - 2.89 (30-minute average)	3
	10:31 PM - 11:44 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 29 (propylene, detection limit 2.4) 0.0 - 9.3 (hexane+cyclohexane, detection limit 5.8) No other VOCs were detected	Varies, see results column

H₂S - hydrogen sulfide
ppb - parts per billion
SO₂ - sulfur dioxide
VOCs - volatile organic compounds

Friday, March 22, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
Brownwood Drive	12:00 AM - 12:15 PM	Ultraviolet Fluorescence Analyzer	SO ₂	8.25 - 16.7	0.4
	12:10 AM - 3:45 PM	Cavity Ring Down Spectrometer	H ₂ S	0.88 - 8.79 (5-minute average) 1.82 - 2.78 (30-minute average)	3
	12:07 AM - 11:12 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 24 (propane, detection limit 4.3) 0.0 - 19 (n-butane, detection limit 3.6) 0.0 - 18 (1,3-butadiene, detection limit 2.5) 0.0 - 104.6 (propylene, detection limit 2.4) 0.0 - 14.6 (isobutene, detection limit 3.2) 0.0 - 9.3 (hexane+cyclohexane, detection limit 5.8) No other VOCs were detected	Varies, see results column
15631 Jacintoport Boulevard	2:15 PM - 3:00 PM	Ultraviolet Fluorescence Analyzer	SO ₂	11.2 - 11.6	0.4
	1:56 PM - 2:19 PM	Real-Time Gas Chromatograph	VOCs	17 - 18 (propane, detection limit 4.3) 0.0 - 14 (n-butane, detection limit 3.6)	Varies, see results column
16398 Jacintoport Boulevard	3:30 PM - 5:00 PM	Ultraviolet Fluorescence Analyzer	SO ₂	18.8	0.4
	2:58 PM - 3:49 PM	Real-Time Gas Chromatograph	VOCs	12 - 38 (hexane+cyclohexane, detection limit 5.8) 56 - 143 (benzene, detection limit 5.9) 6.6 - 31 (octane, detection limit 3.4) 12 - 43 (toluene, detection limit 1.8) 0.0 - 11 (ethylbenzene, detection limit 4.7)	Varies, see results column

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
				0.0 - 77 (m+p-xylene, detection limit 9) 21.2 - 40 (o-xylene, detection limit 3.3) No other VOCs were detected.	
Deer Park #2 Monitoring Station	5:15 PM - 6:00 PM	Ultraviolet Fluorescence Analyzer	SO ₂	12.7	0.4
	3:50 PM - 5:15 PM	Cavity Ring Down Spectrometer	H ₂ S	2.15 - 3.27 (5-minute average) 2.45 - 2.60 (30-minute average)	3
15631 Jacintoport Boulevard	6:15 PM - 10:45 PM	Ultraviolet Fluorescence Analyzer	SO ₂	10.8 - 12.1	0.4
	6:20 PM - 11:05 PM	Cavity Ring Down Spectrometer	H ₂ S	1.72 - 119.15 (5-minute average) 1.91 - 69.76 (30-minute average)	3
	6:22 PM - 9:40 PM	Real-Time Gas Chromatograph	VOCs	0 - 35 (propane, detection limit 4.3) 0 - 29 (propylene, detection limit 2.4) 0 - 22 (isobutane, detection limit 3.2) 0 - 35 (n-butane, detection limit 3.6) 0 - 17 (1,3-butadiene, detection limit 2.5) 0 - 9.8 (hexane+cyclohexane, detection limit 5.8) 0.0 - 5.5 (octane, detection limit 3.4) 0 - 3.2 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
891 Independence Parkway North	11:15 PM - 11:45 PM	Ultraviolet Fluorescence Analyzer	SO ₂	10.9	0.4
	11:10 PM - 11:55 PM	Cavity Ring Down Spectrometer	H ₂ S	1.34 - 2.14 (5-minute average) 1.74 - 2.00 (30-minute average)	3

H₂S - hydrogen sulfide
 ppb - parts per billion
 SO₂ - sulfur dioxide
 VOCs - volatile organic compounds

Saturday, March 23, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
891 Independence Parkway North	12:00 AM - 2:30 AM	Ultraviolet Fluorescence Analyzer	SO ₂	8.93 - 10.82	0.4
	12:00 AM - 2:15 AM	Cavity Ring Down Spectrometer	H ₂ S	1.34 - 2.24 (5-minute average) 1.53 - 2.00 (30-minute average)	3
	12:04 AM - 7:57 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 94.3 (ethylene, detection limit 11) 0.0 - 20 (propylene, detection limit 2.4) 0.0 - 3.6 (toluene, detection limit 1.8) 0.0 - 0.4 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
15631 Jacintoport Boulevard	10:20 AM - 11:23 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 2.0 (ethane, detection limit 16) 9.2 - 37.0 (propane, detection limit 4.3) 0.0 - 20.6 (propylene, detection limit 2.4) 0.0 - 10.6 (isobutane, detection limit 3.2) 0.0 - 18.9 (n-butane, detection limit 3.6) 0.0 - 9.4 (1,3-butadiene, detection limit 2.5) 0.0 - 10 (benzene, detection limit 5.9) 0.0 - 2.3 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

H₂S - hydrogen sulfide
 ppb - parts per billion
 SO₂ - sulfur dioxide
 VOCs - volatile organic compounds

Sunday, March 24, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
15631 Jacintoport Boulevard	12:41 AM	Real-Time Gas Chromatograph	VOCs	25.7 (propane, detection limit 4.3) 20.5 (propylene, detection limit 2.4) 14.8 (n-butane, detection limit 3.6) No other VOCs were detected.	Varies, see results column
San Jacinto Boulevard, 0.3 miles east of Sheldon Road	1:55 AM - 5:28 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 39.3 (ethylene, detection limit 11) 0.0 - 21.5 (propylene, detection limit 2.4) 0.0 - 12.7 (isobutane, detection limit 3.2) 0.0 - 12.0 (1,3-butadiene, detection limit 2.5) 0.0 - 114.2 (benzene, detection limit 5.9) 0.0 - 19.3 (octane, detection limit 3.4) 0.0 - 9.4 (toluene, detection limit 1.8) 0.0 - 2.1 (ethylbenzene, detection limit 4.7) 0.0 - 28.3 (styrene, detection limit 6.3) 0.0 - 12.5 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column
16375 Jacintoport Boulevard	7:53 AM - 10:20 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 9.3 (1,3-butadiene, detection limit 2.5) 0.0 - 72.6 (benzene, detection limit 5.9) 0.0 - 24.0 (octane, detection limit 3.4) 0.0 - 6.4 (toluene, detection limit 1.8) 0.9 - 164.7 (ethylbenzene, detection limit 4.7) 0.0 - 23.5 (styrene, detection limit 6.3) 2.5 - 82.2 (m+p-xylene, detection limit 9) 9.7 - 46.6 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 DeZavalla Road	2:08 PM - 11:35 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 61.8 (benzene, detection limit 5.9) 0.0 - 14.1 (octane, detection limit 3.4) 0.0 - 18.3 (toluene, detection limit 1.8) 0.0 - 7.7 (styrene, detection limit 6.3) 0.0 - 19.1 (m+p-xylene, detection limit 9) 0.0 - 13.4 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Monday, March 25, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 DeZavalla Road	2:11 AM - 3:21 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 11.0 (n-butane, detection limit 3.6) 0.0 - 0.8 (ethylbenzene, detection limit 4.7) 0.0 - 2.0 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
200 Brownwood Drive	5:16 AM - 2:23 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 19.2 (propylene, detection limit 2.4) 0.0 - 11.0 (isobutane, detection limit 3.2) No other VOCs were detected.	Varies, see results column
9705 Spencer Highway	4:03 PM - 7:27 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 12.0 (n-butane, detection limit 3.6) No other VOCs were detected.	Varies, see results column
201 West X Street	7:55 PM - 8:41 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 9.2 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column
14659 East Freeway	9:34 PM - 9:56 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
9705 Spencer Highway	10:40 PM - 11:28 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion

VOCs - volatile organic compounds

Tuesday, March 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
9705 Spencer Highway	12:06 AM - 12:58 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
2518 Magnolia Lane	1:32 AM - 2:42 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 20.2 (isobutane, detection limit 3.2)	Varies, see results column
1809 Center Street	4:57 AM - 11:17 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 83.8 (ethane, detection limit 16) 0.0 - 64.3 (propane, detection limit 4.3) 0.0 - 76.4 (propylene, detection limit 2.4) 0.0 - 10.2 (isobutane, detection limit 3.2) 0.0 - 15.1 (n-butane, detection limit 3.6) 0.0 - 9.2 (1,3-butadiene, detection limit 2.5) 0.0 - 8.9 (hexane+cyclohexane, detection limit 5.8) 0.0 - 86.2 (benzene, detection limit 5.9) 0.0 - 12.9 (toluene, detection limit 1.8) 0.0 - 1.6 (ethylbenzene, detection limit 4.7) 0.0 - 4.9 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Wednesday, March 27, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
1809 Center Street	2:05 AM - 10:31 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 5.74 (octane, detection limit 3.4) 0.0 - 7.17 (ethylbenzene, detection limit 4.7) 0.0 - 21.44 (m+p-xylene, detection limit 9) 0.0 - 14.22 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column
16430 DeZavalla Road	11:36 AM - 11:58 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 63.82 (ethane, detection limit 16) 0.0 - 196.20 (propane, detection limit 4.3) 0.0 - 31.78 (propylene, detection limit 2.4) 0.0 - 39.51 (isobutane, detection limit 3.2) 0.0 - 112.87 (n-butane, detection limit 3.6) 0.0 - 64.15 (1,3-butadiene, detection limit 2.5) 0.0 - 15.50 (hexane+cyclohexane, detection limit 5.8) 0.0 - 34.99 (benzene, detection limit 5.9) 0.0 - 6.67 (toluene, detection limit 1.8) 0.0 - 0.28 (m+p-xylene, detection limit 9) 0.0 - 8.98 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Thursday, March 28, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 DeZavalla Road	1:55 AM - 11:57 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 55.60 (propane, detection limit 4.3) 0.0 - 63.77 (propylene, detection limit 2.4) 0.0 - 44.41 (isobutane, detection limit 3.2) 0.0 - 31.50 (n-butane, detection limit 3.6) 0.0 - 8.00 (1,3-butadiene, detection limit 2.5) 0.0 - 8.01 (hexane+cyclohexane, detection limit 5.8) 0.0 - 27.22 (benzene, detection limit 5.9) 0.0 - 5.31 (octane, detection limit 3.4) 0.0 - 10.59 (toluene, detection limit 1.8) 0.0 - 6.15 (ethylbenzene, detection limit 4.7) 0.0 - 16.35 (m+p-xylene, detection limit 9) 0.0 - 12.02 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Friday, March 29, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 DeZavalla Road	12:20 AM - 11:05 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 2.03 (ethylene, detection limit 11) 0.0 - 32.55 (propane, detection limit 4.3) 0.0 - 26.52 (propylene, detection limit 2.4) 0.0 - 29.88 (isobutane, detection limit 3.2) 0.0 - 52.59 (n-butane, detection limit 3.6) 0.0 - 8.58 (1-butene, detection limit 2.6) 0.0 - 66.22 (1,3-butadiene, detection limit 2.5) 0.0 - 9.55 (hexane + cyclohexane, detection limit 5.8) 0.0 - 502.81 (benzene, detection limit 5.9) 0.0 - 9.66 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Saturday, March 30, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
716 Lakeside Drive	3:26 AM - 2:10 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 14.66 (propane, detection limit 4.3) 0.0 - 25.38 (n-butane, detection limit 3.6) 0.0 - 36.10 (1,3 butadiene, detection limit 2.5) 0.0 - 10.19 (benzene, detection limit 5.9) 0.0 - 3.14 (toluene, detection limit 1.8) 0.0 - 0.53 (ethylbenzene, detection limit 4.7) 0.0 - 2.71 (styrene, detection limit 6.3) 0.0 - 3.28 (m+p xylene, detection limit 9) 0.0 - 7.78 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column
2518 Magnolia Lane	4:00 PM - 11:26 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 28.06 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Sunday, March 31, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
2518 Magnolia Lane	1:03 AM - 2:58 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 26.70 (1,3-butadiene, detection limit 2.5) 7.95 - 58.21 (hexane + cyclohexane, detection limit 5.8) 43.03 - 195.95 (benzene, detection limit 5.9) 5.89 - 18.12 (toluene, detection limit 1.8) 0.0 - 1.61 (ethylbenzene, detection limit 4.7) 0.0 - 10.04 (m+p xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
9705 Spencer Highway	4:54 AM - 11:19 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 9.95 (benzene, detection limit 5.9) 0.0 - 2.96 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column
2518 Magnolia Lane	11:50 AM - 11:23 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 32.84 (propylene, detection limit 2.4) 0.0 - 10.48 (1,3-butadiene, detection limit 2.5) 0.0 - 33.81 (hexane + cyclohexane, detection limit 5.8) 0.0 - 268.93 (benzene, detection limit 5.9) 0.0 - 16.47 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Monday, April 1, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
2518 Magnolia Lane	1:08 AM - 1:33 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
306 East 1st Street	2:43 AM - 4:57 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 16.89 (propylene, detection limit 2.4) 0.0 - 32.25 (isobutane, detection limit 3.2) 0.0 - 21.77 (1,3-butadiene, detection limit 2.5) 0.0 - 12.86 (hexane + cyclohexane, detection limit 5.8) 0.0 - 126.99 (benzene, detection limit 5.9) 0.0 - 30.44 (toluene, detection limit 1.8) 0.0 - 4.10 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
1809 Center Street	5:31 AM - 1:37 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 53.61 (benzene, detection limit 5.9) 0.0 - 12.63 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column
2518 Magnolia Lane	2:07 PM - 10:47 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 6.31 (hexane + cyclohexane, detection limit 5.8) 0.0 - 45.65 (benzene, detection limit 5.9) 0.0 - 12.09 (toluene, detection limit 1.8) 0.0 - 4.32 (ethylbenzene, detection limit 4.7) 0.0 - 17.71 (m+p-xylene, detection limit 9) 0.0 - 9.57 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Tuesday, April 2, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
2518 Magnolia Lane	1:36 AM - 2:20 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 26.35 (propylene, detection limit 2.4) 13.23 - 19.72 (isobutane, detection limit 3.2) 5.35 - 12.23 (benzene, detection limit 5.9) 0.0 - 0.39 (m+p xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
1809 Center Street	2:57 AM - 12:57 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 36.09 (propylene, detection limit 2.4) 0.0 - 6.55 (hexane + cyclohexane, detection limit 5.8) 0.0 - 41.36 (benzene, detection limit 5.9) 0.0 - 13.73 (toluene, detection limit 1.8) 0.0 - 2.02 (m+p xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
16430 De Zavalla Road	9:13 PM - 10:19 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Wednesday, April 3, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:21 AM - 5:56 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 35.00 (ethane, detection limit 16) 0.0 - 0.22 (ethylene, detection limit 11) 0.0 - 20.03 (propane, detection limit 4.3) 0.0 - 21.23 (propylene, detection limit 2.4) 0.0 - 26.29 (isobutane, detection limit 3.2) 0.0 - 15.92 (n-butane, detection limit 3.6) 0.0 - 7.25 (1-butene, detection limit 2.6) 0.0 - 9.12 (1,3-butadiene, detection limit 2.5) 0.0 - 9.15 (hexane + cyclohexane, detection limit 5.8) 0.0 - 15.81 (benzene, detection limit 5.9) 0.0 - 5.93 (toluene, detection limit 1.8) 0.0 - 2.11 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
1809 Center Street	7:06 AM - 9:05 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
16430 De Zavalla Road	9:45 AM - 10:32 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion

VOCs - volatile organic compounds

Thursday, April 4, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 DeZavalla Road	1:32 AM - 12:48 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 6.62 (octane, detection limit 3.4) 0.0 - 3.72 (toluene, detection limit 1.8) 0.0 - 4.70 (ethylbenzene, detection limit 4.7) 0.0 - 12.81 (m+p-xylene, detection limit 9) 0.0 - 8.53 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column
891 Independence Parkway North	1:22 PM - 9:59 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 4.16 (ethylene, detection limit 11) 0.0 - 51.01 (benzene, detection limit 5.9) 0.0 - 5.98 (m+p-xylene, detection limit 9) 0.0 - 16.77 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Friday, April 5, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
891 Independence Parkway North	12:37 AM - 3:12 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 14.03 (ethylene, detection limit 11) 0.0 - 13.72 (propylene, detection limit 2.4) 0.0 - 19.48 (benzene, detection limit 5.9) 0.0 - 5.49 (toluene, detection limit 1.8) 0.0 - 1.57 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
2518 Magnolia Lane	5:35 AM - 1:59 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 195.11 (ethane, detection limit 16) 0.0 - 55.42 (ethylene, detection limit 11) 0.0 - 129.13 (propylene, detection limit 2.4) 0.0 - 12.67 (n-butane, detection limit 3.6) 0.0 - 12.18 (1,3-butadiene, detection limit 2.5) 0.0 - 7.98 (hexane + cyclohexane, detection limit 5.8) No other VOCs were detected.	Varies, see results column
16430 De Zavalla Road	2:59 PM - 9:52 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 19.11 (n-butane, detection limit 3.6) 0.0 - 15.75 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Saturday, April 6, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:06 AM - 11:05 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 13.93 (n-butane, detection limit 3.6) 0.0 - 11.67 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Sunday, April 7, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	2:00 AM - 11:56 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 5.98 (ethylene, detection limit 11) 0.0 - 19.49 (isobutane, detection limit 3.2) 0.0 - 5.87 (hexane + cyclohexane, detection limit 5.8) 0.0 - 6.77 (benzene, detection limit 5.9) 0.0 - 4.72 (octane, detection limit 3.4) 0.0 - 3.26 (ethylbenzene, detection limit 4.7) 0.0 - 7.10 (styrene, detection limit 6.3) 0.0 - 8.68 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
200 Brownwood Drive	10:07 PM - 11:18 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Monday, April 8, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
200 Brownwood Drive	2:36 AM - 9:42 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 20.18 (n-butane, detection limit 3.6) 0.0 - 10.58 (1,3-butadiene, detection limit 2.5) No other VOCs were detected.	Varies, see results column
11707 Bexar Dr., La Porte	10:45 AM - 10:16 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 22.02 (propylene, detection limit 2.4) 0.0 - 20.49 (isobutane, detection limit 3.2) 0.0 - 11.34 (n-butane, detection limit 3.6) 0.0 - 5.36 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Tuesday, April 9, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
11707 Bexar Dr., La Porte	12:15 AM - 7:04 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 12.57 (n-butane, detection limit 3.6) 0.0 - 9.29 (1,3-butadiene, detection limit 2.5) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Wednesday, April 10, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
891 Independence Parkway North	12:05 AM - 6:35 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 30.36 (ethylene, detection limit 11) 0.0 - 43.93 (propylene, detection limit 2.4) 0.0 - 5.71 (hexane + cyclohexane, detection limit 5.8) 0.0 - 9.86 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column
16430 De Zavalla Road	7:59 PM - 9:31 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Thursday, April 11, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:12 AM - 9:55 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 9.44 (propane, detection limit 4.3) 0.0 - 32.38 (isobutane, detection limit 3.2) 0.0 - 15.67 (n-butane, detection limit 3.6) 0.0 - 13.00 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Friday, April 12, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
1809 Center Street	12:29 AM - 10:03 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 1.51 (ethylene, detection limit 11) 0.0 - 22.70 (isobutane, detection limit 3.2) 0.0 - 50.23 (benzene, detection limit 5.9) 0.0 - 3.99 (toluene, detection limit 1.8) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Saturday, April 13, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
15631 Jacintoport Blvd.	12:52 AM - 8:01 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 88.42 (ethylene, detection limit 11) 0.0 - 17.51 (propane, detection limit 4.3) 0.0 - 25.62 (propylene, detection limit 2.4) 0.0 - 14.95 (isobutane, detection limit 3.2) 0.0 - 11.49 (n-butane, detection limit 3.6) 0.0 - 6.13 (benzene, detection limit 5.9) No other VOCs were detected.	Varies, see results column
16430 De Zavalla Road	8:37 AM - 2:24 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 24.10 (ethane, detection limit 16) 0.0 - 2.07 (ethylene, detection limit 11) 0.0 - 70.31 (propane, detection limit 4.3) 0.0 - 14.77 (isobutane, detection limit 3.2) 0.0 - 42.88 (n-butane, detection limit 3.6) 0.0 - 7.80 (1,3-butadiene, detection limit 2.5) No other VOCs were detected.	Varies, see results column
200 Brownwood Drive	2:57 PM - 3:42 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
100 MacArthur Avenue, Baytown	5:17 PM - 10:15 PM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Sunday, April 14, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
100 MacArthur Avenue, Baytown	1:27 AM - 2:27 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
9705 Spencer Highway	3:22 AM - 7:48 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
11707 Bexar Drive, La Porte	8:28 AM - 10:28 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 17.22 (propylene, detection limit 2.4) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Monday, April 15, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
11707 Bexar Drive, La Porte	1:16 AM - 7:11 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
16430 De Zavalla Road	8:58 AM - 10:13 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 36.36 (propane, detection limit 4.3) 0.0 - 25.07 (n-butane, detection limit 3.6) 0.0 - 6.55 (1,3-butadiene, detection limit 2.5) 0.0 - 0.13 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Tuesday, April 16, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	1:59 AM - 11:19 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 3.69 (ethylene, detection limit 11) 0.0 - 14.69 (propane, detection limit 4.3) 0.0 - 15.24 (propylene, detection limit 2.4) 0.0 - 19.09 (isobutane, detection limit 3.2) 0.0 - 7.42 (benzene, detection limit 5.9) 0.0 - 3.69 (m+p-xylene, detection limit 9) 0.0 - 1.29 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Wednesday, April 17, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	1:29 AM - 11:01 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 66.00 (ethane, detection limit 16) 0.0 - 8.69 (ethylene, detection limit 11) 0.0 - 91.53 (propane, detection limit 4.3) 0.0 - 20.32 (isobutane, detection limit 3.2) 0.0 - 44.96 (n-butane, detection limit 3.6) 0.0 - 10.18 (1,3-butadiene, detection limit 2.5) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Thursday, April 18, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	1:44 AM - 4:48 AM	Real-Time Gas Chromatograph	VOCs	0.0 - 22.65 (propane, detection limit 4.3) 0.0 - 19.79 (n-butane, detection limit 3.6) 0.0 - 1.67 (ethylbenzene, detection limit 4.7) 0.0 - 3.86 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column
11707 Bexar Drive, La Porte	4:11 PM - 11:06 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 58.40 (ethylene, detection limit 11) 0.0 - 19.46 (propylene, detection limit 2.4) 0.0 - 19.77 (isobutane, detection limit 3.2) 0.0 - 16.18 (benzene, detection limit 5.9) 0.0 - 31.14 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Friday, April 19, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
11707 Bexar Drive, La Porte	1:48 AM - 1:39 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 42.78 (ethylene, detection limit 11) 0.0 - 24.37 (propylene, detection limit 2.4) 0.0 - 6.90 (hexane+cyclohexane, detection limit 5.8) 0.0 - 0.26 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Monday, April 22, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	10:13 PM - 11:49 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 2.20 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion

VOCs - volatile organic compounds

Tuesday, April 23, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:23 AM - 11:33 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 0.73 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion

VOCs - volatile organic compounds

Wednesday, April 24, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:25 AM - 11:32 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 1.11 (ethylene, detection limit 11) 0.0 - 17.48 (propane, detection limit 4.3) 0.0 - 33.12 (propylene, detection limit 2.4) 0.0 - 13.73 (isobutane, detection limit 3.2) 0.0 - 14.37 (n-butane, detection limit 3.6) 0.0 - 48.90 (1,3-butadiene, detection limit 2.5) 0.0 - 290.44 (hexane + cyclohexane, detection limit 5.8) 0.0 - 523.41 (benzene, detection limit 5.9) 0.0 - 6.53 (octane, detection limit 3.4) 0.0 - 37.54 (toluene, detection limit 1.8) 0.0 - 2.70 (ethylbenzene, detection limit 4.7) 0.0 - 4.18 (styrene, detection limit 6.3) 0.0 - 274.44 (m+p-xylene, detection limit 9) 0.0 - 8.2 (o-xylene, detection limit 3.3) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
 VOCs - volatile organic compounds

Thursday, April 25, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
16430 De Zavalla Road	12:37 AM - 1:32 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column
11707 Bexar Drive, La Porte	4:54 AM - 11:36 PM	Real-Time Gas Chromatograph	VOCs	0.0 - 14.16 (propane, detection limit 4.3) 0.0 - 26.10 (propylene, detection limit 2.4) 0.0 - 10.99 (n-butane, detection limit 3.6) 0.0 - 0.20 (ethylbenzene, detection limit 4.7) 0.0 - 1.77 (m+p-xylene, detection limit 9) No other VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds

Friday, April 26, 2019

Location	Time (Approx.)	Instrument	Parameters	Results (ppb)	Detection Limit (ppb)
11707 Bexar Drive, La Porte	12:00 AM - 5:55 AM	Real-Time Gas Chromatograph	VOCs	No VOCs were detected.	Varies, see results column

ppb - parts per billion
VOCs - volatile organic compounds