

40435 – Mayflower Pipeline Incident ExxonMobil[®] Summary of Air Monitoring Conducted by CTEH[®] April 12, 2013 - 24 hour period¹

Table 4

Community Summary of Manual Real-Time Air Monitoring				
Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	77	0	N/A	<0.05 ppm
Hydrogen Sulfide	77	0	N/A	< 1 ppm
VOC	76	0	N/A	<0.1 ppm

Table 2 Work Area Summary of Manual Real-Time Air Monitoring				
Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	69	1	N/A	0.05 ppm
Hydrogen Sulfide	67	0	N/A	< 1 ppm
VOC	70	6	14.7 ppm	65 ppm*

Summary of AreaRAE Real-Time Air Monitoring					
Unit	Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
	Hydrogen Sulfide	4923	326 [†]	0.1 ppm	0.1 ppm
RIU_1 mobilo	LEL	4923	0	N/A	< 1 %
mobile	VOC	4923	5	0.2 ppm	0.4 ppm
RTU_2 fixed	Hydrogen Sulfide	1053	0	N/A	< 1 ppm
	LEL	1053	0	N/A	< 1 %
	VOC	1053	0	N/A	< 0.1 ppm
	Hydrogen Sulfide	4878	1†	N/A	0.2 ppm
fixed	LEL	4878	0	N/A	< 1 %
	VOC	4878	0	N/A	< 0.1 ppm
RTU_6 fixed	Hydrogen Sulfide	5669	0	N/A	< 1 ppm
	LEL	5669	0	N/A	< 1 %
	VOC	5669	0	N/A	< 0.1 ppm

Table 3

*Details of elevated chemical detections are provided at the end of this document.

₁Raw data indicate sensor activity that is below instrument resolution (1 ppm) for Hydrogen Sulfide.

¹ Note: The information provided below has not been processed by the QAQC department.

CTEH CENTER FOR TOXICOLOGY AND ENVIRONMENTAL HEALTH,LLC

Field Data

Project number 40435

Reading date 2013/04/12 17:37

Latitude 34.964919

Longitude -92.427956

Distance From Site 0.30

Location description By vac trucks pulling from pipeline.

Indoor/Outdoor Outdoor

Instrument MultiRAE

Instrument barcode 095-527944

Matrix Air

Analyte VOC

Concentration 9.5

Units ppm

Comments Moderate Odor;

Initials Kyle Bennett

Instrument details

Additional comments Vac ops in progress.

Detection limit 0.1

Detection flag

Gps method Automatic

Guid 924A71CA-9F5D-4774-A4B1-D2BCDCF56513

Created 2013/04/12 17:37



Field Data

Project number	40435
Reading date	2013/04/12 12:14
Latitude	34.964577
Longitude	-92.427892
Distance From Site	0.29
Location description	By vac trucks pulling from pipeline
Indoor/Outdoor	Outdoor
Instrument	MultiRAE
Instrument barcode	095-527944
Matrix	Air
Analyte	VOC
Concentration	10.8
Units	ppm
Comments	Workers present; Slight Odor;
Initials	Kyle Bennett
Instrument details	
Additional comments	Vac ops in progress.
Detection limit	0.1
Detection flag	
Gps method	Automatic
Guid	521FDA26-DC68-4256-BCD3-54FDE5DB2FE4
Created	2013/04/12 12:14



Field Data

Project number	40435
Reading date	2013/04/12 11:12
Latitude	34.963997
Longitude	-92.428711
Distance From Site	0.35
Location description	Source. Inches above break in pipe.
Indoor/Outdoor	Outdoor
Instrument	MultiRAE
Instrument barcode	095-527944
Matrix	Air
Analyte	voc
Concentration	65.0
Units	ppm
Comments	Slight Odor;
Initials	Kyle Bennett
Instrument details	
Additional comments	Inches above break in pipe. No workers breathing
Detection limit	this air.
Detection finit	
Detection hag	Automatic
Gps method	77EBC81D-0827-4462-8454-1329021390B5
Guid	2013/04/12 11:11
Created	2013/04/12 11.11



Handheld Real-time Monitoring April 12, 2013

CTEH

Mayflower Pipeline Incident Exxon Mobil Mayflower, AR **Faulkner County**





Handheld Real-time Monitoring **Mayflower Pipeline Incident** CTEH **Exxon Mobil VOC Concentrations** Mayflower, AR April 12, 2013 **Faulkner County** L____ 2,000 Feet 500 1,000 State Hwy 89 ŝ Stele (UN) 665 Garrett Ln eonalm Snuggs Cir W/Starlite/Dr Rine Tree Leop Durham Rd Legend Satterfield Rd Ledrick Cir X Source Detection **VOC Concentration** Capps Rd 0.1 - 0.5 Old Sandy Rd State Hwy 89 Hwy 89 Miller St 0.6 - 1.0 Fredonia Ct 1.1 - 5.0 Holly Dr Oak St Sunbelt Ct 5.1 - 10.0 Reliance Ct Poplar > 10.0 Concord Rd

Park St

< 0.1