

40435 – Mayflower Pipeline Incident ExxonMobil[®] Summary of Air Monitoring Conducted by CTEH[®] April 11, 2013 - 24 hour period¹

Table 1								
Community Summary of Manual Real-Time Air Monitoring								
Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration				
Benzene	60	1	N/A	0.30 ppm**				
Hydrogen Sulfide	65	0	N/A	< 1 ppm				
VOC	64	2	3.0 ppm	4.8 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	99	0	N/A	< 0.05 ppm				
Hydrogen Sulfide	97	0	N/A	< 1 ppm				
VOC	98	2	0.2 ppm	0.2 ppm				

Summary of AreaRAE Real-Time Air Monitoring								
Unit	Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration			
RTU_1 mobile	Hydrogen Sulfide	4940	0	N/A	< 1 ppm			
	LEL	4940	0	N/A	< 1 %			
	VOC	4940	0	N/A	< 0.1 ppm			
RTU_2 fixed	Hydrogen Sulfide	2823	0	N/A	< 1 ppm			
	VOC	2823	15	0.1 ppm	0.1 ppm			
RTU_5 fixed	Hydrogen Sulfide	5198	0	N/A	< 1 ppm			
	LEL	5198	0	N/A	< 1 %			
	VOC	5198	0	N/A	< 0.1 ppm			
RTU_6 fixed	Hydrogen Sulfide	5718	0	N/A	< 1 ppm			
	LEL	5718	0	N/A	< 1 %			
	VOC	5718	0	N/A	< 0.1 ppm			

Table 3

*Details of elevated chemical detections are provided at the end of this document. None to report on this date. **Benzene detection of 0.3 ppm was near the exposed pipeline while vac truck operations were removing product from the pipeline; moderate crude oil odor was present.

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

AreaRAE Monitoring April 11, 2013

CTEH

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



Handheld Real-time Monitoring April 11, 2013

Mayflower Pipeline Incident Exxon Mobil Mayflower, AR Faulkner County



Projection System: UTM Zone 15 Coordinate System: WGS1984

CTEH

Print Date: 4/12/2013



CTEH

Handheld Real-time Monitoring VOC Concentrations April 11, 2013

Mayflower Pipeline Incident Exxon Mobil Mayflower, AR Faulkner County



Print Date: 4/12/201