

**40435 – Mayflower Pipeline Incident  
ExxonMobil®  
Summary of Air Monitoring  
Conducted by CTEH®  
April 10, 2013 - 24 hour period<sup>1</sup>**

**Table 1  
Community Summary of Manual Real-Time Air Monitoring**

<b>Analyte</b>	<b>Count of Readings</b>	<b>Count of Detections</b>	<b>Average Concentration of Detections</b>	<b>Highest Concentration</b>
Benzene	64	0	N/A	< 0.05 ppm
Hydrogen Sulfide	164	0	N/A	< 1 ppm
VOC	185	0	N/A	< 0.1 ppm

**Table 2  
Work Area Summary of Manual Real-Time Air Monitoring**

<b>Analyte</b>	<b>Count of Readings</b>	<b>Count of Detections</b>	<b>Average Concentration of Detections</b>	<b>Highest Concentration</b>
Benzene	56	1	N/A	0.1 ppm
Hydrogen Sulfide	91	0	N/A	< 1 ppm
LEL	56	0	N/A	< 1 %
VOC	108	3	2.2 ppm	5.8 ppm

**Table 3  
Summary of AreaRAE Real-Time Air Monitoring**

<b>Unit</b>	<b>Analyte</b>	<b>Count of Readings</b>	<b>Count of Detections</b>	<b>Average Concentration of Detections</b>	<b>Highest Concentration</b>
RTU_1 mobile	Hydrogen Sulfide	2978	1 <sup>†</sup>	N/A	0.1 ppm
	LEL	2978	0	N/A	< 1 %
	VOC	2978	98	0.3 ppm	2.6 ppm
RTU_2 fixed	Hydrogen Sulfide	2810	214 <sup>†</sup>	0.1 ppm	0.2 ppm
	VOC	2792	0	N/A	< 0.1 ppm
RTU_5 fixed	Hydrogen Sulfide	4399	0	N/A	< 1 ppm
	LEL	4399	0	N/A	< 1 %
	VOC	4399	0	N/A	< 0.1 ppm
RTU_6 fixed	Hydrogen Sulfide	5182	1 <sup>†</sup>	N/A	0.2 ppm
	LEL	5182	0	N/A	< 1 %
	VOC	5182	8	0.3 ppm	0.6 ppm

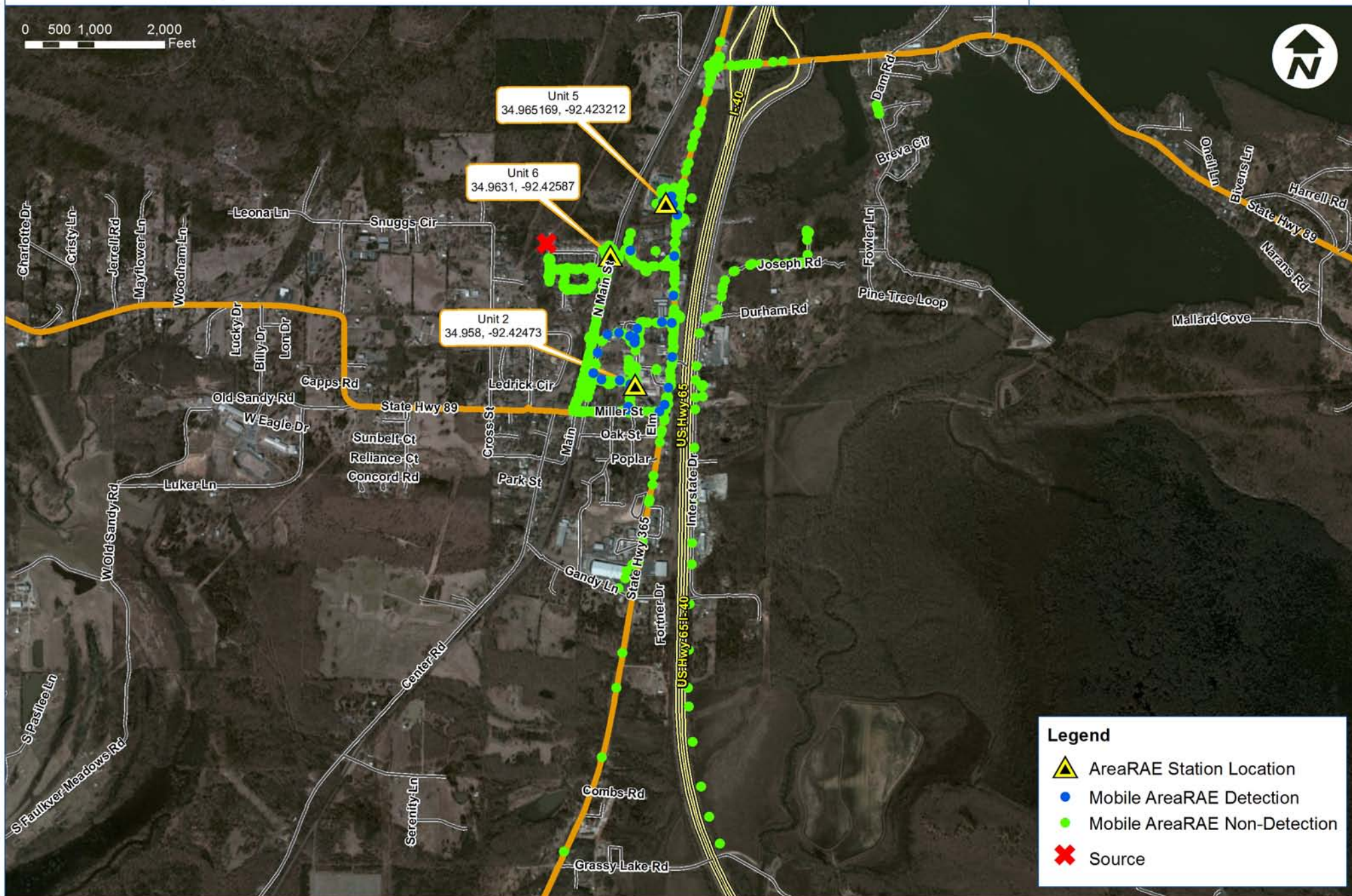
<sup>\*</sup>Details of elevated chemical detections are provided at the end of this document. None to report on this date.

<sup>†</sup>Raw data indicate sensor activity that is below instrument resolution (1 ppm) for Hydrogen Sulfide.

<sup>1</sup> Note: The information provided below has not been processed by the QA/QC department.

## AreaRAE Monitoring April 10, 2013

Mayflower Pipeline Incident  
Exxon Mobil  
Mayflower, AR  
Faulkner County





# Handheld Real-time Monitoring

## April 10, 2013

Mayflower Pipeline Incident  
Exxon Mobil  
Mayflower, AR  
Faulkner County





## Handheld Real-time Monitoring Benzene Concentrations April 10, 2013

Mayflower Pipeline Incident  
Exxon Mobil  
Mayflower, AR  
Faulkner County

