

**40435 – Mayflower Pipeline Incident
ExxonMobil
Summary of Air Monitoring
Conducted by CTEH
April 07, 2013 - 24 hour period**

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

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

Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	10	0	N/A	< 0.05 ppm
Hydrogen Sulfide	78	0	N/A	< 1 ppm
VOC	110	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	208	5	0.12 ppm	0.2 ppm
Hydrogen Sulfide	252	0	N/A	< 1 ppm
LEL	107	0	N/A	< 1 %
VOC	275	19	1.2 ppm	4.4 ppm

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

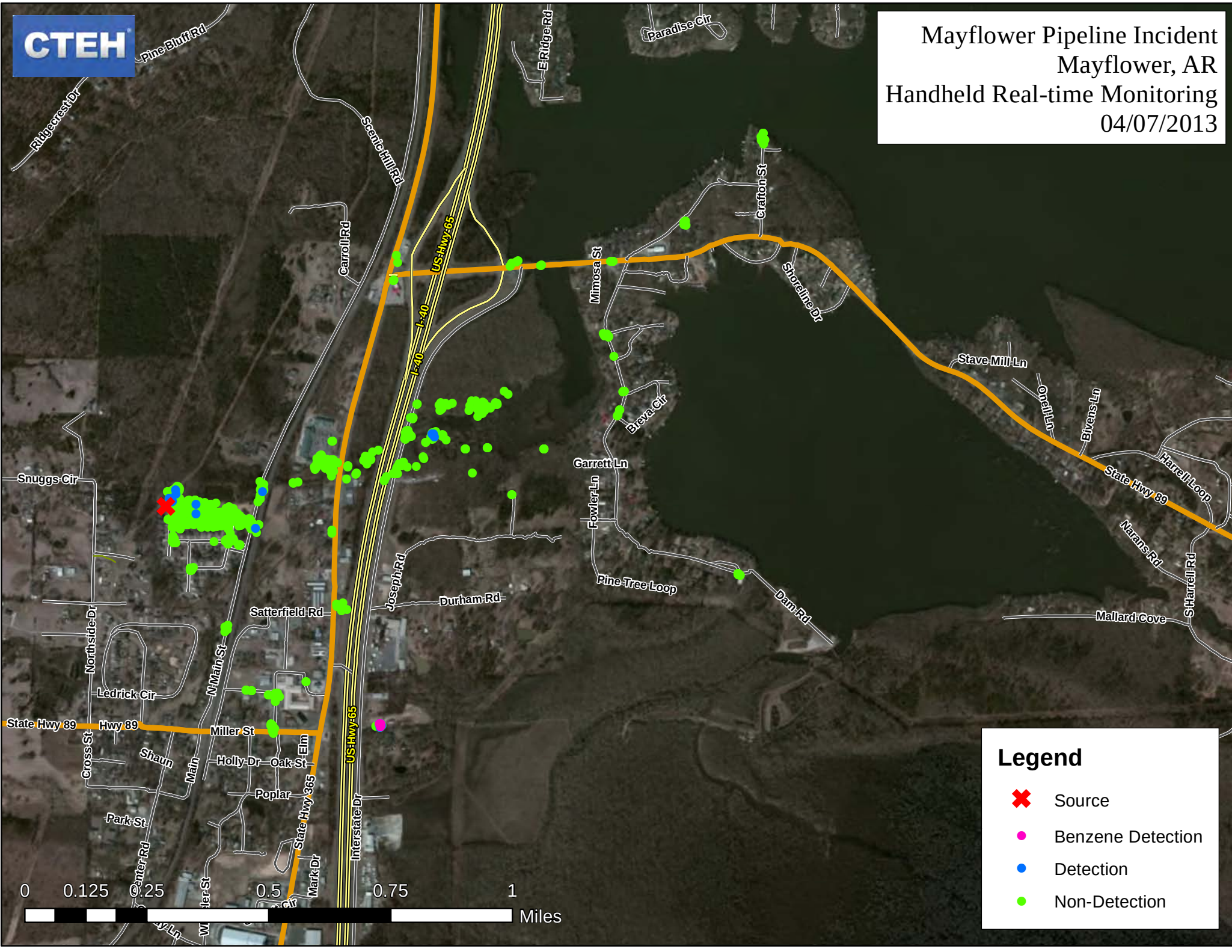
Unit	Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
RTU_1 mobile	Hydrogen Sulfide	3922	148 [†]	0.1 ppm	0.1 ppm
	LEL	3922	0	N/A	< 1 %
	VOC	3922	237	0.1 ppm	0.8 ppm
RTU_5 fixed	Hydrogen Sulfide	4568	854 [†]	0.1 ppm	0.2 ppm
	LEL	4568	0	N/A	< 1 %
	VOC	4568	26	0.1 ppm	0.2 ppm
RTU_6 fixed	Hydrogen Sulfide	5347	719 [†]	0.1 ppm	0.4 ppm
	LEL	5347	0	N/A	< 1 %
	VOC	5347	84	0.4 ppm	6.7 ppm

*Details of elevated chemical detections are provided at the end of this document. None to report on this date.

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



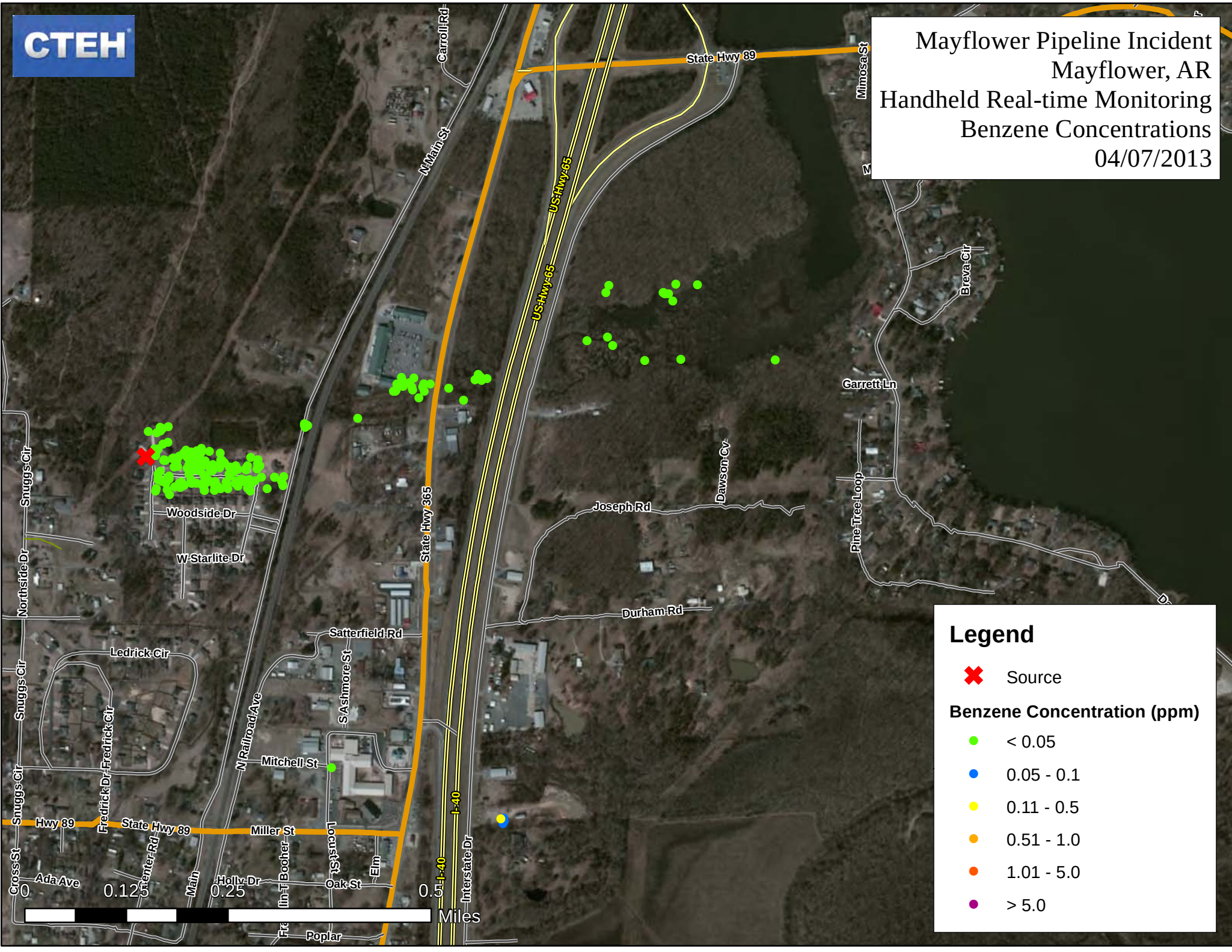
Mayflower Pipeline Incident
Mayflower, AR
Handheld Real-time Monitoring
04/07/2013



Legend

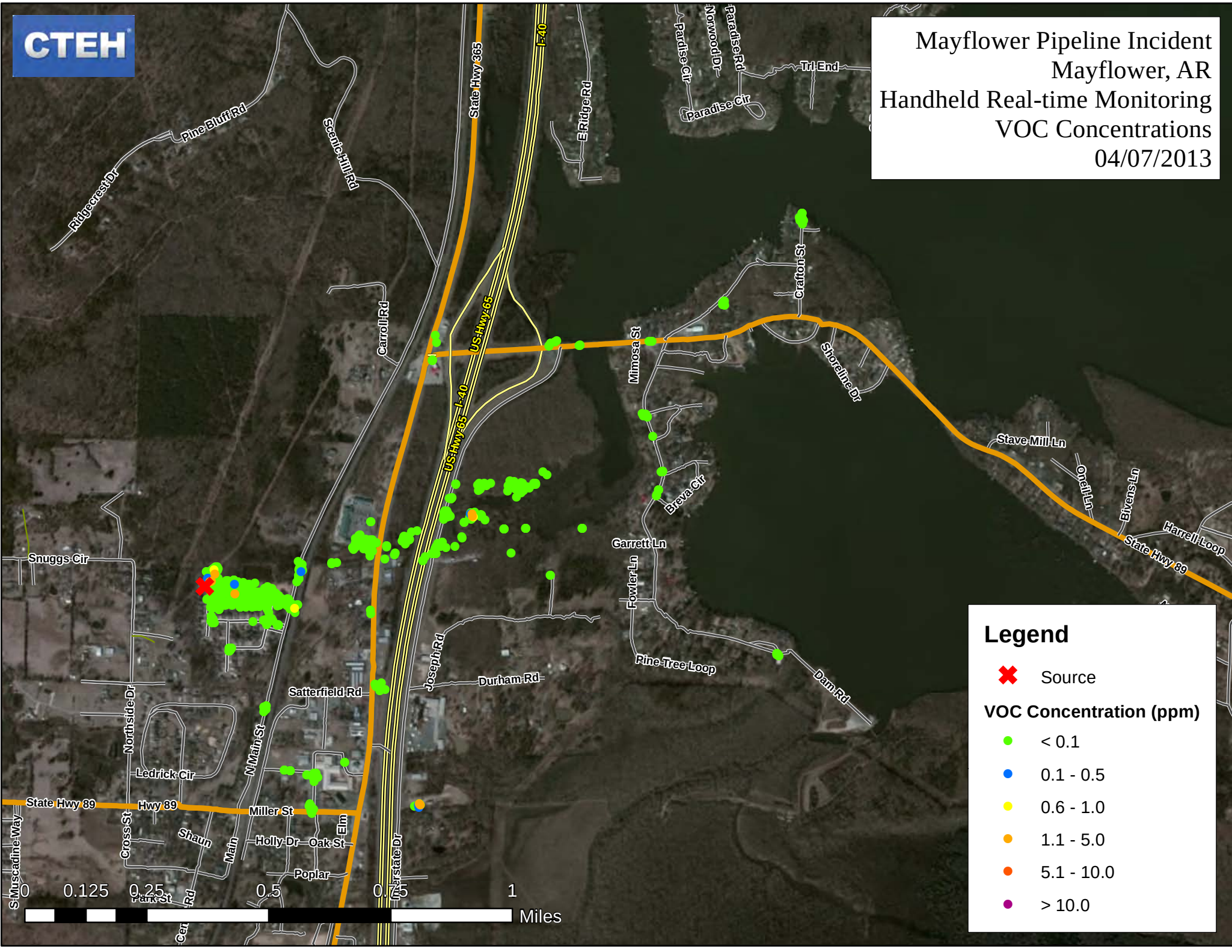
- ✖ Source
- Benzene Detection
- Detection
- Non-Detection

Mayflower Pipeline Incident
Mayflower, AR
Handheld Real-time Monitoring
Benzene Concentrations
04/07/2013





Mayflower Pipeline Incident
Mayflower, AR
Handheld Real-time Monitoring
VOC Concentrations
04/07/2013



Legend

✖ Source

VOC Concentration (ppm)

- < 0.1
- 0.1 - 0.5
- 0.6 - 1.0
- 1.1 - 5.0
- 5.1 - 10.0
- > 10.0

Mayflower Pipeline Incident Mayflower, AR Analytical Air Sampling Locations

