Center for Toxicology and Environmental Health, L.L.C.
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40435 – Mayflower Pipeline Incident
ExxonMobil
Summary of Air Monitoring
Conducted by CTEH
April 05, 2013 - 24 hour period

Note: The information provided below has not been processed by the QAQC 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	66	1	0.05 ppm	0.05 ppm
Hydrogen Sulfide	190	0	N/A	< 1 ppm
LEL	1	0	N/A	< 1 %
Toluene	3	0	N/A	< 1 ppm
VOC	232	2	0.1 ppm	0.2 ppm
Xylene	2	0	N/A	< 1 ppm

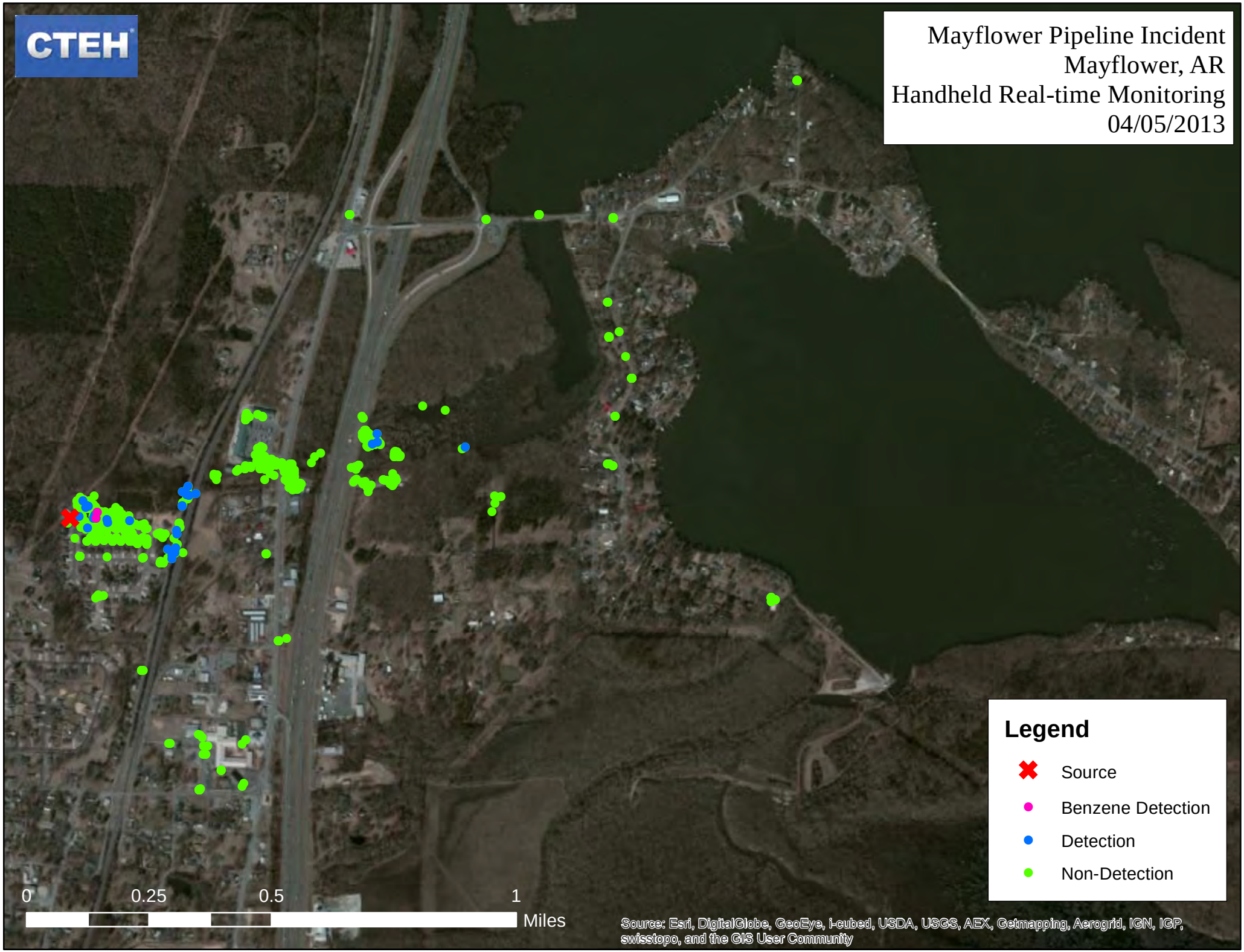
Table 2
Work Area Summary of Manual Real-Time Air Monitoring

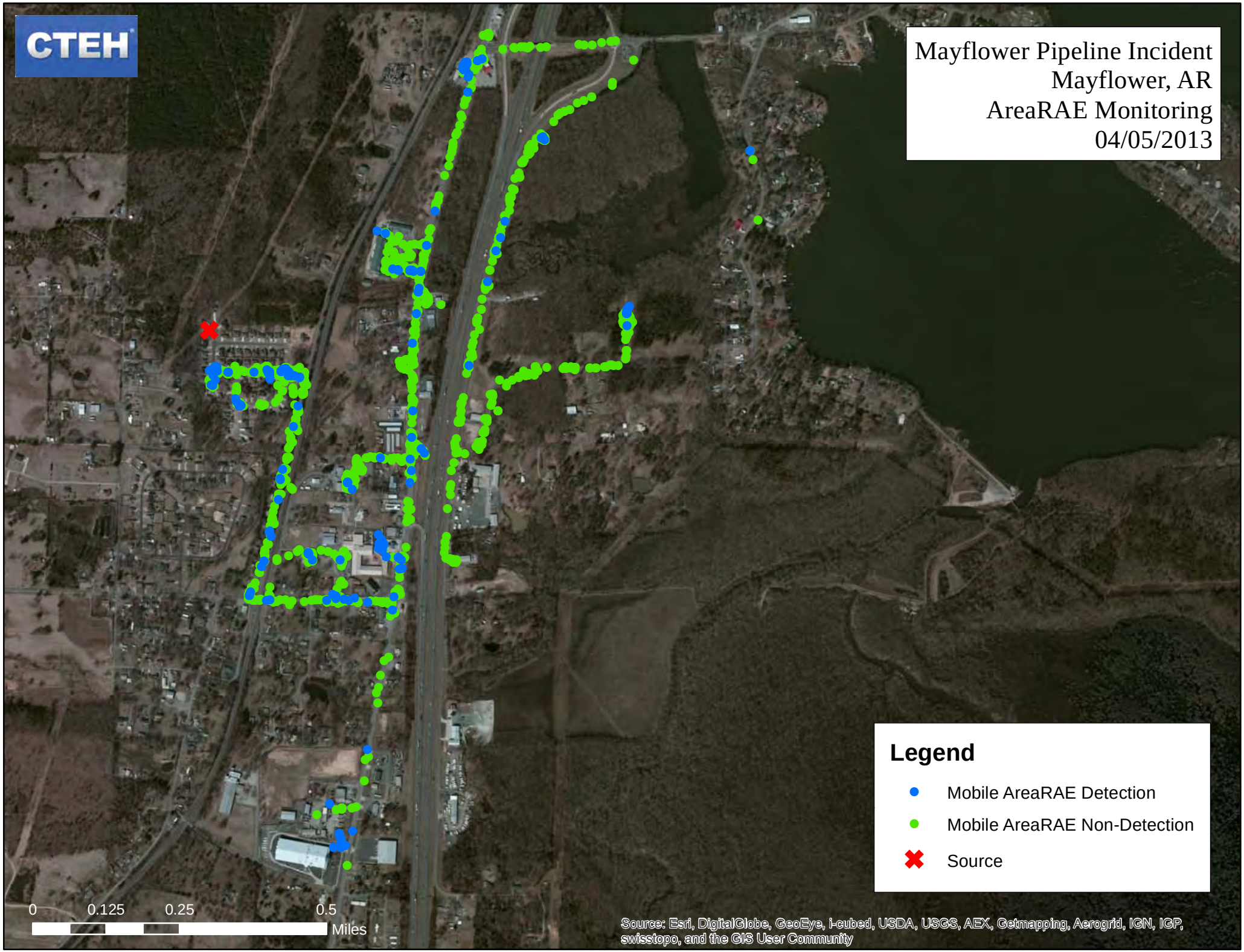
Analyte	Count of Readings	Count of Detections	Average Concentration of Detections	Highest Concentration
Benzene	95	16	0.05 ppm	0.1 ppm
Hydrogen Sulfide	169	0	NA	< 1 ppm
Hexane	1	0	N/A	< 1 ppm
LEL	123	0	NA	< 1 %
Toluene	1	0	N/A	< 1 ppm
VOC	185	31	1.3 ppm	5.7 ppm
Xylene	2	0	N/A	< 1 ppm

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	3978	956*[1]	0.2	0.4 ppm
	LEL	3978	0	N/A	< 1 %
	VOC	3978	371	0.1 ppm	1.0 ppm
RTU_2 fixed	Hydrogen Sulfide	2860	0	N/A	< 0.1 ppm
	VOC	2860	1	0.3 ppm	0.3 ppm
RTU_5 fixed	Hydrogen Sulfide	5062	0	N/A	< 0.1 ppm
	LEL	5062	0	N/A	< 1 %
	VOC	5062	13	0.3 ppm	1.1 ppm
RTU_6 fixed	Hydrogen Sulfide	5500	577 *[1]*[2]	0.2 ppm	0.5 ppm
	LEL	5500	0	N/A	< 1 %
	VOC	5500	771 *[2]	0.2 ppm	1.9 ppm

*1 Raw data indicate sensor activity that is below instrument resolution (1 ppm) for Hydrogen Suflide
*2 AreaRAE H_2S and VOC detections from 10:50-13:38 confirmed drift with MultiRAE, unit taken offline and recalibrated.


CTEH
Mayflower Pipeline Incident
Mayflower, AR
Handheld Real-time Monitoring
04/05/2013
Legend
Source
Benzene Detection
Detection
Non-Detection
0
0.25
0.5
1
Miles
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community


CTEH
Mayflower Pipeline Incident
Mayflower, AR
AreaRAE Monitoring
04/05/2013
Legend
Mobile AreaRAE Detection
Mobile AreaRAE Non-Detection
Source
0
0.125
0.25
0.5
Miles
Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community