

**40355 Braithwaite, LA
Stolthaven Terminal Facility
Summary of Real-time Air Monitoring Results
September 06, 2012**

This data report discusses real-time air monitoring data collected between September 5th 06:00 and September 6th 06:00 in support of mitigation and remediation operations conducted near Stolthaven's facility near Braithwaite, LA. No action level exceedances were observed.

Real-time air monitoring for VOCs, LEL, Styrene, and Methyl Acrylate was conducted using stationary AreaRAEs and hand-held instruments such as the MultiRAE, and colorimetric detector tubes. Tables 1 and 2 display data summaries for AreaRAE and handheld data respectively. Appendix 1 shows incident site maps.

**Table 1
AreaRAE Summary – September 5th 06:00 to September 6th 06:00**

Unit	Analyte	Number of Readings	Number Of Detections	Concentration Range
Unit 1	LEL	4450	0	0 – 0 %
	VOC	4450	374	0.6 – 1.8 ppm
Unit 2	LEL	4577	0	0 – 0 %
	VOC	4577	0	0 – 0 ppm
Unit 3	LEL	4891	0	0 – 0 %
	VOC	4891	6	0.1 – 0.1 ppm
Unit 4	LEL	5021	0	0 – 0 %
	VOC	5021	316	0.1 – 0.5 ppm
Unit 5	LEL	1015	2	1.2 – 1.2 %
	VOC	1015	232	0.3 – 0.9 ppm
Unit 6	LEL	1130	0	0 – 0 %
	VOC	1130	48	0.8 – 1.6 ppm
Unit 7	LEL	1156	0	0 – 0 %
	VOC	1156	0	0 – 0 ppm
Unit 8	LEL	1141	0	0 – 0 %
	VOC	1141	0	0 – 0 ppm
Unit 9	LEL	4930	2	6.5 – 7.4 %
	VOC	4930	197	0.1 – 1.9 ppm
Unit 10	LEL	3427	24	1.1 – 3.3 %
	VOC	3427	390	0.3 – 1.8 ppm

Unit	Analyte	Number of Readings	Number Of Detections	Concentration Range
Unit 11	LEL	2904	126	2.6 – 5.3 %
	VOC	2904	0	0 – 0 ppm
Unit 12	LEL	2272	0	0 – 0 %
	VOC	2272	102	0.1 – 0.1 ppm
Unit 13	LEL	2023	0	0 – 0 %
	VOC	2023	329	0.1 – 1.1 ppm

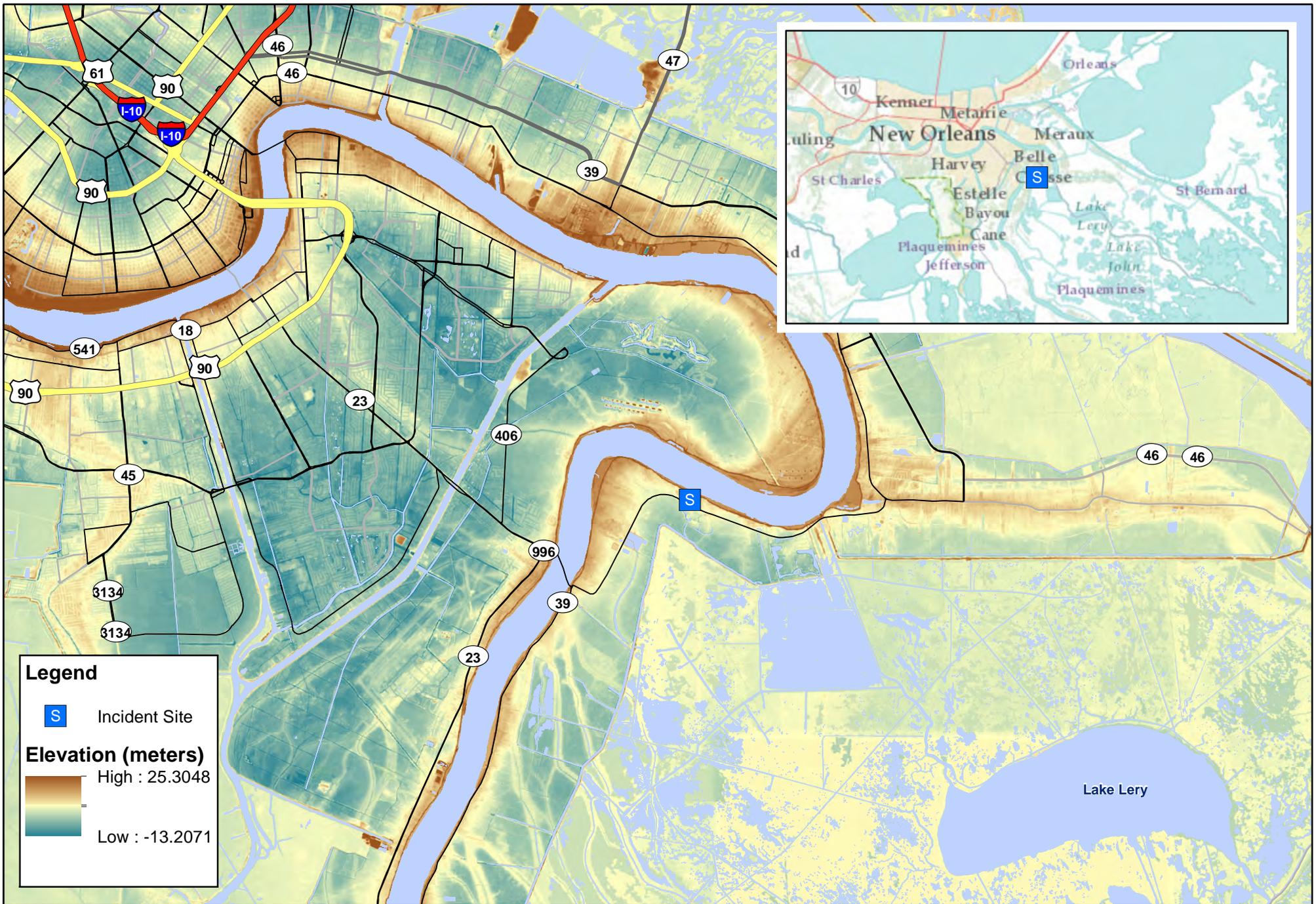
***Detections may include drift events** - Drift is defined as any interference in the electrochemical sensor's ability to accurately report the concentration of a chemical in the atmosphere. Humidity and temperature changes throughout the monitoring period are typical sources of drift.

**Table 2
Hand-held Real-time Summary – September 5th 06:00 – September 6th 06:00**

Community				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
LEL	112	0	NA	< 1 %
VOC	113	0	NA	< 0.1 ppm
Hot Zone				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
LEL	12	0	NA	< 1.0 %
VOC	41	1	24 ppm	24 ppm
Styrene	1	0	NA	< 0.5 ppm
Work Area				
Analyte	Number of Readings	Number of Detections	Average Concentration of Detections	Highest Concentration
LEL	204	0	NA	< 1.0 %
O2	5	5	20.9 %	20.9%
Styrene	1	0	NA	< 0.5 ppm
VOC	259	1	1.3 ppm	1.3 ppm

NA = not applicable

Appendix 1: Incident Maps



Legend

S Incident Site

Elevation (meters)

High : 25.3048

Low : -13.2071

**Stolthaven Facility
Location**



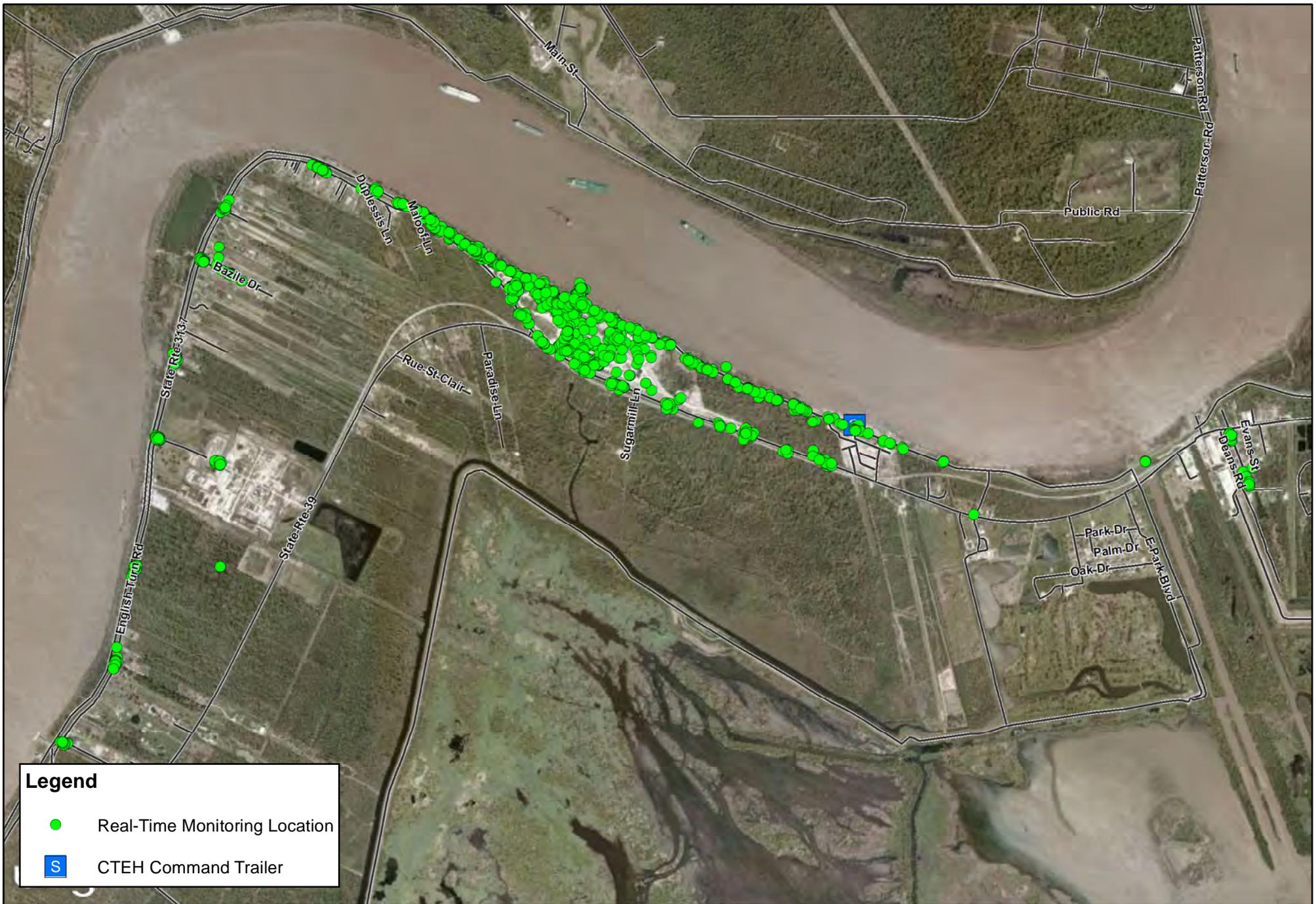
CTEH[®]

Project No.
40355

**Garner Environmental
Braithwaite, LA**

St. Bernard Parish

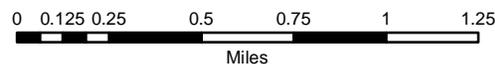
Print Date: 9/2/2012



Legend

- Real-Time Monitoring Location
- S CTEH Command Trailer

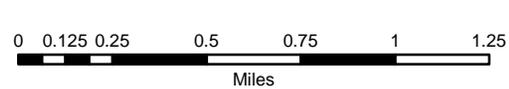
Real-Time Monitoring Locations
 9/5/12 06:00 to 9/6/12 06:00



 Project No. 40355	Garner Environmental
	Braithwaite, LA
	St. Bernard Parish
Print Date: 9/6/2012	



**Manually-Logged
VOC Concentrations
9/5/12 06:00 to 9/6/12 06:00**



	Garner Environmental
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	St. Bernard Parish
Project No. 40355	Print Date: 9/6/2012

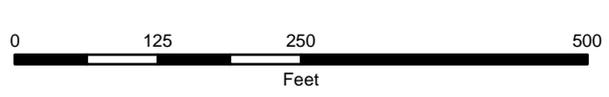


Legend

Styrene Reading Location

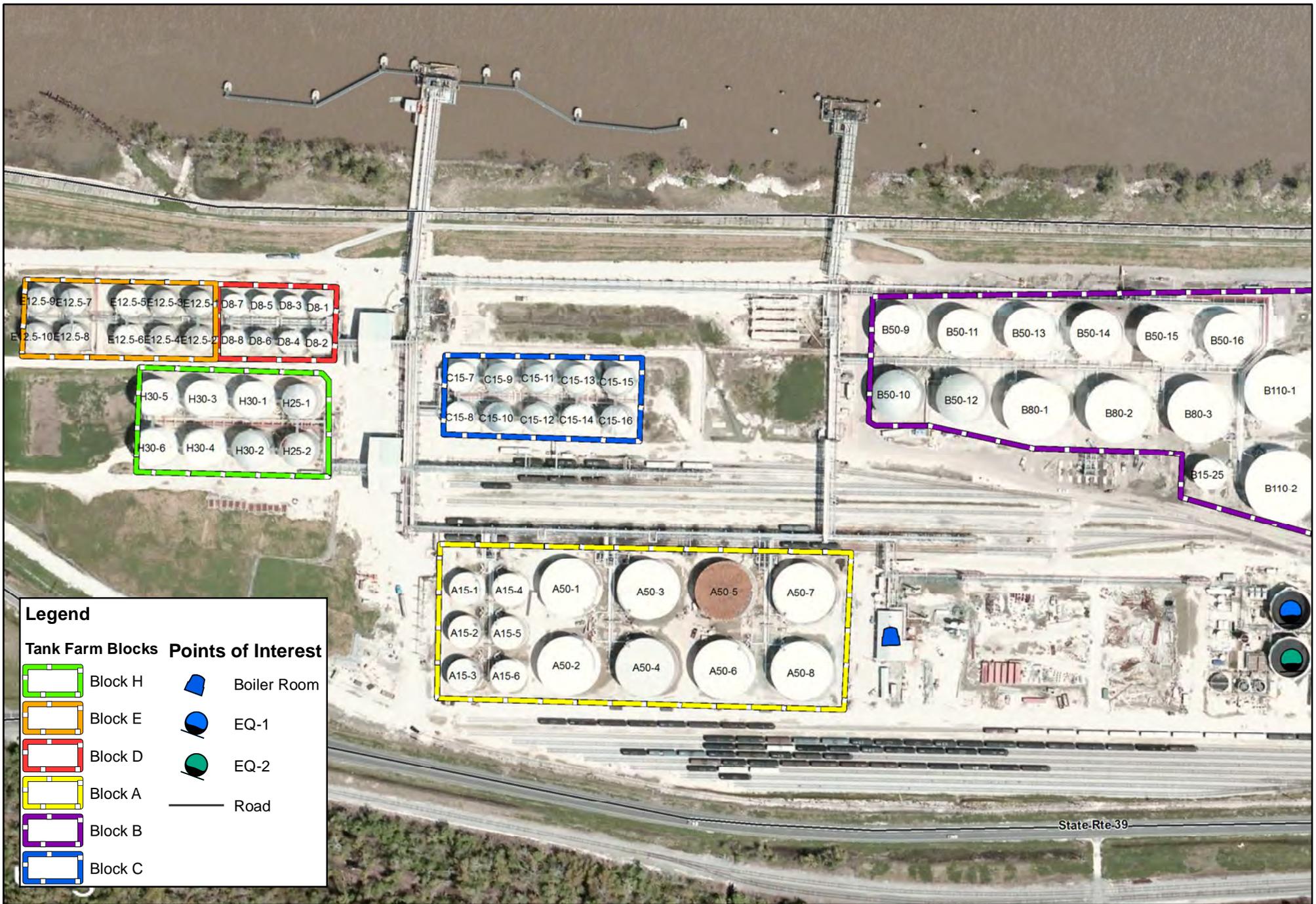
- Detection
- No Detection

**Styrene
Reading Locations**
9/05/12 06:00 to 9/06/12 06:00



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	Braithwaite, LA
	St. Bernard Parish
Print Date: 9/6/2012	

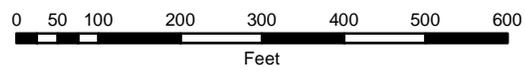




Legend

Tank Farm Blocks	Points of Interest
Block H	Boiler Room
Block E	EQ-1
Block D	EQ-2
Block A	Road
Block B	
Block C	

Stolthaven Terminal



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Project No. 40355	Print Date: 9/3/2012