

TOC INCOMING LETTER OF TRANSMITTAL

Vendor/Company Name and Address: _____

Date: 2/2/17 Subcontract Release Number/Purchase Order: 61485 Transmittal Number: 003 Project Number: GAL610132 Project/Contract Title: PTR-MS Mobile Laboratory

Check the applicable designation: _____

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All other Submittals All other Submittals

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Submittal Number	Submittal Description	Specification Number	Specification Paragraph Number	Copies E/H	TOC Document Number	Rev	Supplier Document Number	Supplier Rev
005	Weekly Report 1.3							00

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WEEK 3 REPORT – LOCAL SOURCES AND ASSOICATED GRAPHS

DECEMBER 30TH, 2016

Summary

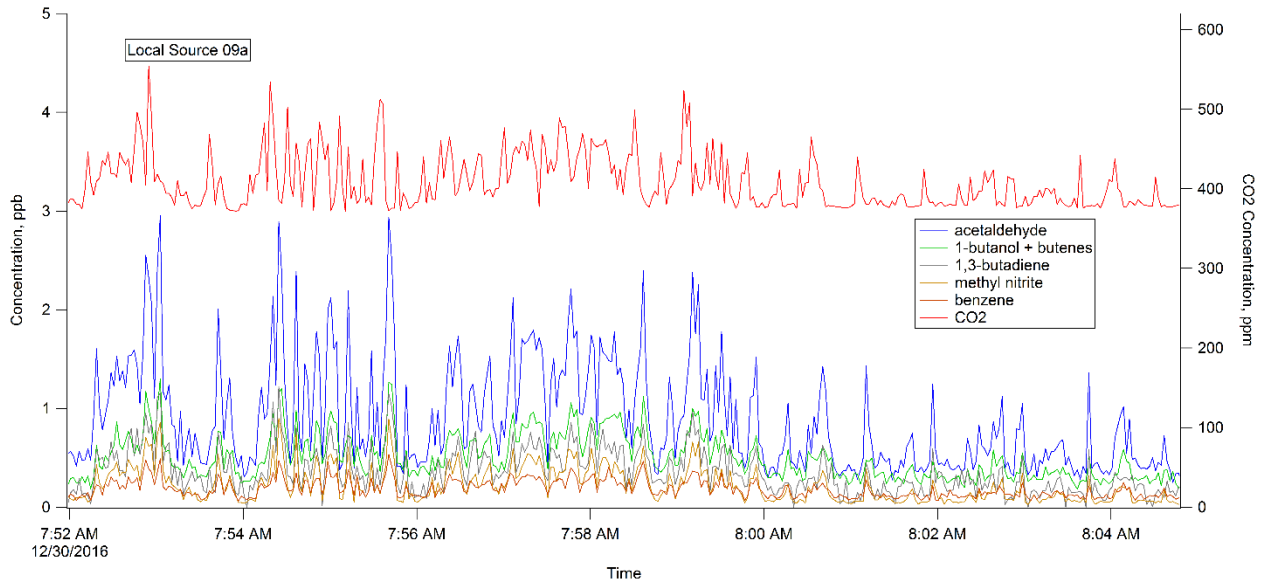
The mobile lab operated between 6:00 AM and 4:00 PM December 30th. The field analyst primarily positioned the lab downwind of the AP farm, with some time spent driving around the 200E tank farms.

December 30th Local Sources

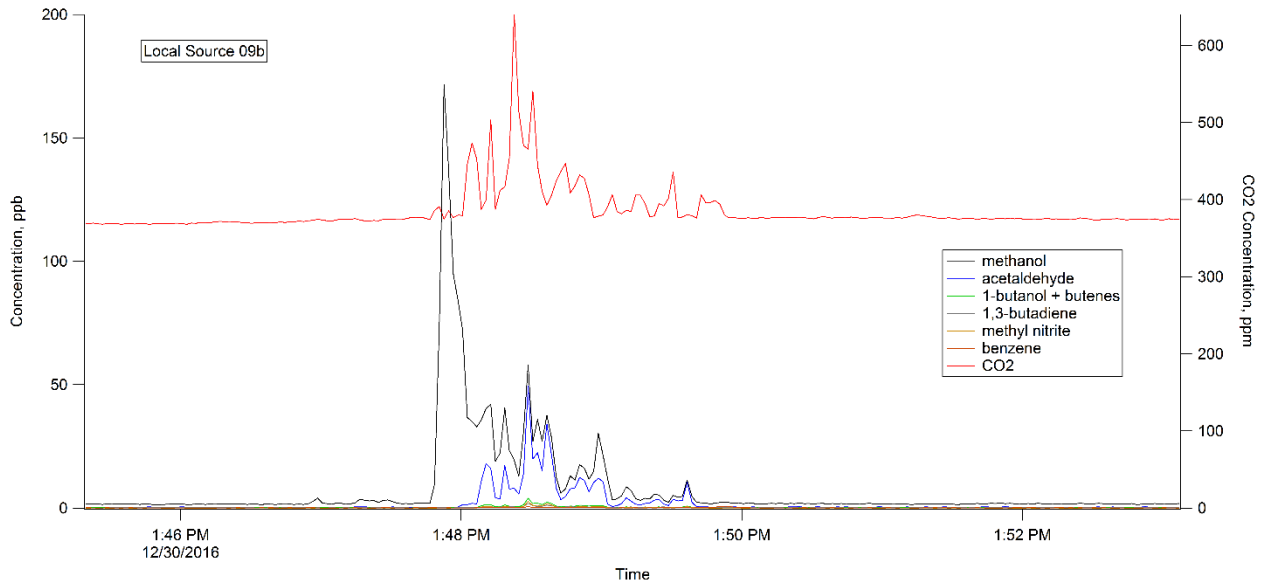
LS09a, 12/30/16, 7:52:01 AM	1.02 bar, 35 F, wind SSE 3 mph	acetaldehyde: 2.95 ppb 1-butanol; butenes: 1.30 ppb 1,3-butadiene: 1.22 ppb methyl nitrite: 0.90 ppb benzene: 0.49 ppb CO2: 554 ppm A repeated pattern over the course of several minutes, this source contains typical exhaust compounds and is accompanied by elevated CO2 throughout. The field notes make several observations about a fuel truck refueling generators along the E side of the AP fence line at this time.
LS09b, 12/30/16, 1:48:03 PM	1.02 bar, 49 F, wind N 2 mph	methanol: 171.64 ppb acetaldehyde: 49.43 ppb 1-butanol; butenes: 3.94 ppb methyl nitrite: 2.69 ppb 1,3-butadiene: 1.83 ppb benzene: 0.58 ppb CO2: 644 ppm A source of similar composition to LS09a that appears mixed with a second source of methanol. Substantially elevated CO2 visually correlates with all compounds except for methanol.

December 30th Graphs

LS09a



LS09b



December 30th Maps

200E



DECEMBER 31ST, 2016**Summary**

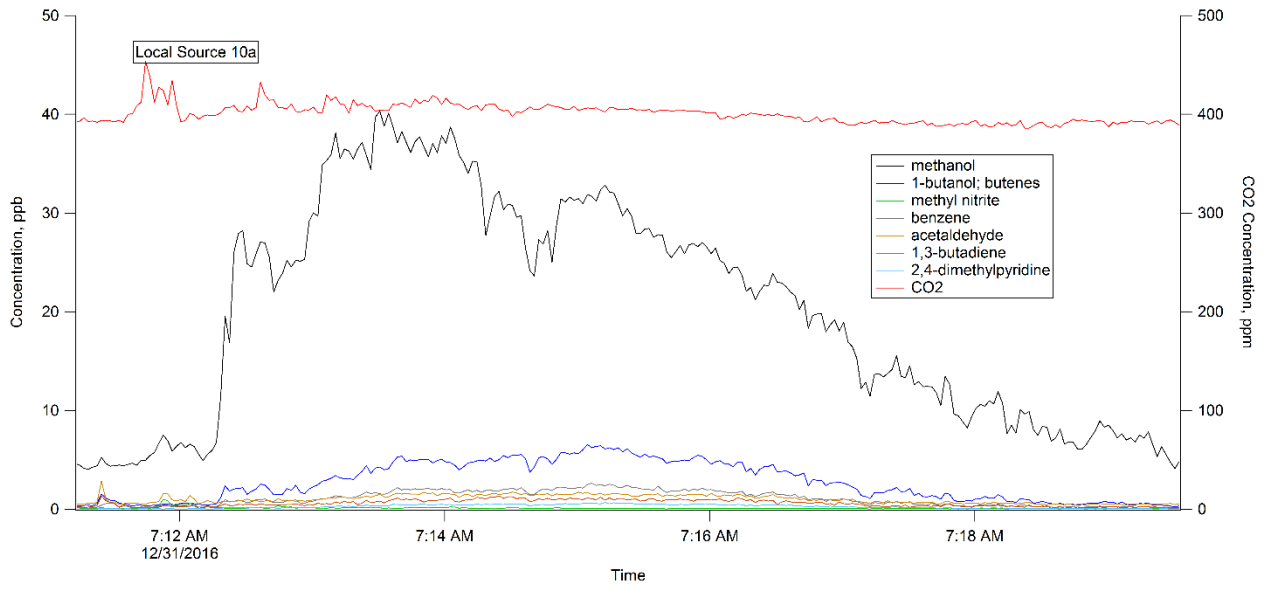
The mobile lab operated between 6:00 AM and 4:00 PM December 31st. The field analyst primarily positioned the lab downwind of the AP farm, with some time spent driving around the 200E tank farms.

December 31st Local Sources

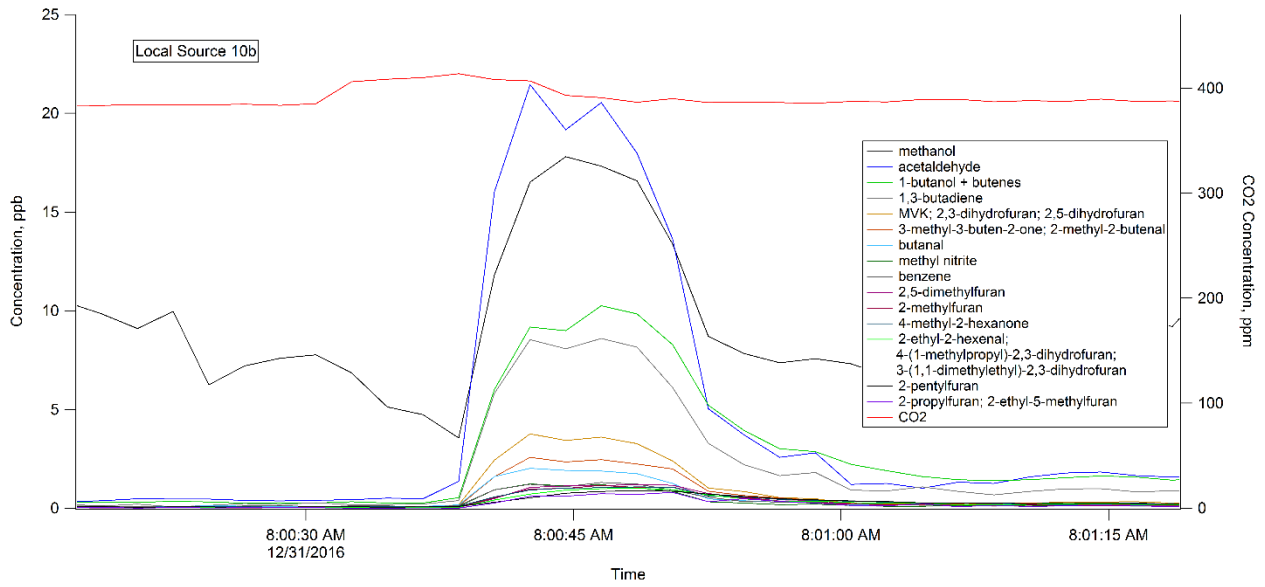
<p>LS10a, 12/31/16, 7:12:20 AM</p>	<p>1.02 bar, 22 F, wind SSW 1 mph</p>	<p>methanol: 40.33 ppb 1-butanol; butenes: 6.53 ppb benzene: 2.62 ppb acetaldehyde: 2.84 ppb 1,3-butadiene: 1.34 ppb methyl nitrite: 1.00 ppb 2,4-dimethylpyridine: 0.68 ppb CO2: 454 ppm This event peaks over several minutes before dropping off again. Event spans approximately 6 minutes and is accompanied by periodic CO2 elevation. The field notes make several references to fuel and sewage trucks in the area at this time.</p>
<p>LS10b, 12/31/16, 8:00:45 AM</p>	<p>1.02 bar, 23 F, wind SSW 3 mph</p>	<p>acetaldehyde: 21.45 ppb methanol: 17.80 ppb 1-butanol; butenes: 10.25 ppb 1,3-butadiene: 8.53 ppb MVK; 2,3-dihydrofuran; 2,5-dihydrofuran: 3.56 ppb 3-methyl-3-buten-2-one; 2-methyl-2-butenal: 2.57 ppb butanal: 2.02 ppb benzene: 1.30 ppb methyl nitrite: 1.22 ppb 2,5-dimethylfuran: 1.19 ppb 2-methylfuran: 1.15 ppb 4-methyl-2-hexanone: 1.08 ppb 2-ethyl-2-hexenal; 4-(1-methylpropyl)-2,3-dihydrofuran; 3-(1,1-dimethylethyl)-2,3-dihydrofuran: 1.00 ppb 2-pentylfuran: 0.87 ppb 2-propylfuran; 2-ethyl-5-methylfuran: 0.79 ppb CO2: 414 ppm This event lasts approximately 15 seconds and appears five seconds after a rise in CO2. The source is unknown.</p>

December 31st Graphs

LS10a



LS10b



December 31st Maps

200E

