

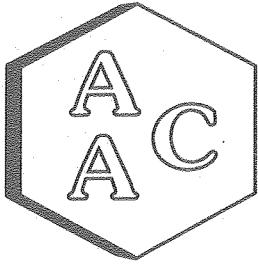


### CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client Name <i>ADB NR</i>		Project Name <i>Bridgeton LF</i>			Analysis Requested		Send report:	
Project Mgr./Print Name <i>Mike Parris</i>		Project Number <i>9757700007</i>				Athn: _____	Phone #: _____	
Sampler's Name/Print Name <i>Kirk Mitchell</i>		Sampler's Signature <i>[Signature]</i>				Fax #: _____	Send Invoice to: _____	
AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/Amount of Sample			
<i>016 # 000655</i>	<i>8-18-15</i>	<i>1348 - 1351</i>	<i>Summit - Tined</i>	<i>D1 (153436)</i>	<i>-50 -4</i>			
<i>016 # 000816</i>	<i>8-18-15</i>	<i>1339 - 1426</i>	<i>Summit - Tined</i>	<i>V2 (153407)</i>	<i>30 -3</i>	<input checked="" type="checkbox"/>		
Relinquished by (Signature): <i>[Signature]</i>		Print Name: <i>Kirk Mitchell</i>		Date/Time <i>8-19-15 11:00</i>		Received by (Signature): <i>[Signature]</i>		
Relinquished by (Signature): <i>[Signature]</i>		Print Name: <i>Michael Parris</i>		Date/Time		Received by (Signature): <i>[Signature]</i>		

Special Instructions/remarks:  
Shipped via UPS  
Tracking #: *B6727880244470202*

Print Name  
*Michael Parris*



## Atmospheric Analysis & Consulting, Inc.

CLIENT : Eurofins Air Toxics, Inc.  
PROJECT NAME : MO DNR – Bridgeton LF  
AAC PROJECT NO. : 151087  
REPORT DATE : 8/25/2015

On August 24, 2015, Atmospheric Analysis & Consulting, Inc. received two (2) Six-Liter Silonite Canisters for TRS analysis by ASTM D-5504. Upon receipt, each sample was assigned a unique Laboratory ID number as follows:


Client ID	Lab No.	Initial Pressure (mmHg)
D1 (153406)	151087-82162	657.3
U1 (153407)	151087-82163	670.6

ASTM D-5504 Analysis - Up to a 1 mL aliquot of sample is injected into the GC/SCD for analysis following ASTM D-5504 as specified in the SOW.

No problems were encountered during receiving, preparation and/or analysis of these samples. The test results included in this report meet all requirements of the NELAC Standards and/or AAC SOP# AACI-ASTM D-5504.

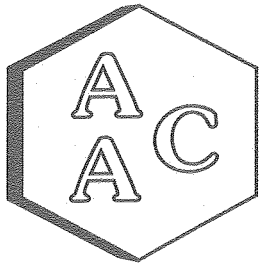
I certify that this data is technically accurate, complete and in compliance with the terms and conditions of the contract. The Laboratory Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy data package.

If you have any questions or require further explanation of data results, please contact the undersigned.

  
Marcus Hueppe  
Laboratory Director

This report consists of 4 pages.





# Atmospheric Analysis & Consulting, Inc.

## LABORATORY ANALYSIS REPORT

CLIENT : Eurofins Air Toxics, Inc.  
PROJECT NO. : 151087  
MATRIX : AIR  
UNITS : ppmV

SAMPLING DATE : 08/18/2015  
RECEIVING DATE : 08/24/2015  
ANALYSIS DATE : 08/25/2015  
REPORT DATE : 08/25/2015

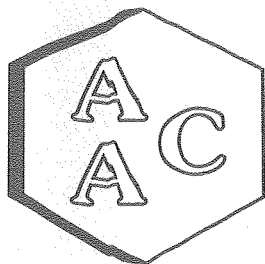
### Total Reduced Sulfur Compounds Analysis by ASTM D-5504

Client ID	D1 (153406)	U1 (153407)
AAC ID	151087-82162	151087-82163
Canister Dil. Fac.	1.4	1.3
Analyte	Result	Result
Hydrogen Sulfide	< 0.014	< 0.013
Carbonyl Sulfide	< 0.014	< 0.013
Sulfur Dioxide	< 0.014	< 0.013
Methyl Mercaptan	< 0.014	< 0.013
Ethyl Mercaptan	< 0.014	< 0.013
Dimethyl Sulfide	< 0.014	< 0.013
Carbon Disulfide	< 0.014	< 0.013
Isopropyl Mercaptan	< 0.014	< 0.013
tert-Butyl Mercaptan	< 0.014	< 0.013
n-Propyl Mercaptan	< 0.014	< 0.013
Methylethylsulfide	< 0.014	< 0.013
sec-Butyl Mercaptan	< 0.014	< 0.013
Thiophene	< 0.014	< 0.013
iso-Butyl Mercaptan	< 0.014	< 0.013
Diethyl Sulfide	< 0.014	< 0.013
n-Butyl Mercaptan	< 0.014	< 0.013
Dimethyl Disulfide	< 0.014	< 0.013
2-Methylthiophene	< 0.014	< 0.013
3-Methylthiophene	< 0.014	< 0.013
Tetrahydrothiophene	< 0.014	< 0.013
Bromothiophene	< 0.014	< 0.013
Thiophenol	< 0.014	< 0.013
Diethyl disulfide	< 0.014	< 0.013
Total Unidentified Sulfur	< 0.014	< 0.013
Total Reduced Sulfurs as H <sub>2</sub> S	< 0.014	< 0.013

All compound's concentrations expressed in terms of H<sub>2</sub>S (TRS does not include COS and SO<sub>2</sub>)  
Sample Reporting Limit (SRL) is equal to Reporting Limit x Canister Dil. Fac. x Analysis Dil. Fac.

  
Marcus Hueppe  
Laboratory Director





# Atmospheric Analysis & Consulting, Inc.

## Quality Control/Quality Assurance Report SCAQMD 307.91

Date Analyzed: 8/25/2015  
Analyst: ZB

Instrument ID: SCD#10  
Calb. Date: 5/4/2015

### Opening Calibration Verification Standard

	Resp. (area)	Result (ppbV)	% Rec *	% RPD ****
Initial	4626	514	102.8	NA
Duplicate	4665	518	103.7	0.8
Triplicate	4636	515	103.0	0.2

### Method Blank

Analyte	Result
H2S	ND

### Duplicate Analysis

Sample ID 151087-82162 x1

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H2S	0.0	0.0	0.0	0.0

### Matrix Spike & Duplicate

Sample ID 151087-82162 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H2S	0.0	250.0	254.9	249.2	102.0	99.7	2.3

### Closing Calibration Verification Standard

Analyte	Std. Conc.	Result (ppbV)	% Rec **
H2S	500.0	525.1	105.0

\* Must be 95-105%

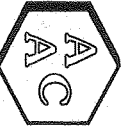
\*\* Must be 90-110%

\*\*\* Must be < 10%

\*\*\*\* Must be < 5% RPD from Initial result.

  
Marcus Hueppe  
Laboratory Director





### CHAIN OF CUSTODY / ANALYSIS REQUEST FORM

Client Name <i>MD DNR</i>		Project Name <i>Bridgeton LF</i>		Analysis Requested		Send report:	
Project Mgr (Print Name) <i>Mike Harris</i>		Project Number <i>MS PR00007</i>				Attn: _____	
Sampler's Name (Print Name) <i>Rick Whitford</i>		Sampler's Signature <i>[Signature]</i>				Phone#: Fax#:	
AAC Sample No.	Date Sampled	Time Sampled	Sample Type	Client Sample ID/Description	Type/No. of Samples	Send invoice to:	
<i>130065</i>	<i>8-18-15</i>	<i>1351</i>	<i>Summer - Timed</i>	<i>D1 (153426)</i>	<input checked="" type="checkbox"/>	Attn: _____	
<i>1300816</i>	<i>8-18-15</i>	<i>1339 1446</i>	<i>Summer - Timed</i>	<i>V2 (153467)</i>	<input checked="" type="checkbox"/>	P.O. # _____	
						Turnaround Time 24-Hr _____ 48-Hr _____	
						5 Day _____ Normal _____	
						Other (Specify) _____	
						Special Instructions/remarks: <i>Shipped via UPS</i>	
						<i>Tracking #: Z672488024470202</i>	
Relinquished by (Signature):	<i>[Signature]</i>	Print Name:	<i>Rick Whitford</i>	Date/Time <i>8/19/15 1500</i>	Received by (Signature):	<i>[Signature]</i>	Print Name: <i>Michael Harris</i>
Relinquished by (Signature):	<i>[Signature]</i>	Print Name:	<i>Michael Harris</i>	Date/Time <i>08/24/15</i>	Received by (Signature):	<i>[Signature]</i>	Print Name: <i>John Zacharias</i>

2x Cans + 0x Flows

- UPS