

Atmospheric Analysis & Consulting, Inc.

CLIENT : Eurofins Air Toxics, Inc.
PROJECT NAME : Bridgeton LF
PROJECT NO. : PO# 3ESP400007
AAC PROJECT NO. : 150694
REPORT DATE : 6/15/2015

On June 15, 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 (152215)	150694-79883	583.1
U1 (152216)	150694-79884	579.3

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.

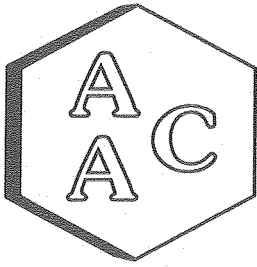
If you have any questions or require further explanation of data results, please contact the undersigned.


Marcus Hueppe
Laboratory Director



This report consists of 4 pages.





Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Eurofins Air Toxics, Inc.
PROJECT NO. : 150694
MATRIX : AIR
UNITS : ppmV

SAMPLING DATE : 06/09/2015
RECEIVING DATE : 06/15/2015
ANALYSIS DATE : 06/15/2015
REPORT DATE : 06/15/2015

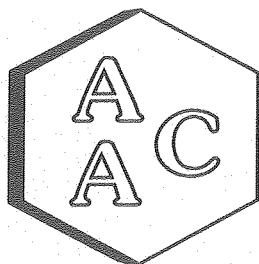
Total Reduced Sulfur Compounds Analysis by ASTM D-5504

Client ID	D1 (152215)	U1 (152216)
AAC ID	150694-79883	150694-79884
Canister Dil. Fac.	1.5	1.6
Analyte	Result	Result
Hydrogen Sulfide	< 0.015	< 0.016
Carbonyl Sulfide	< 0.015	< 0.016
Sulfur Dioxide	< 0.015	< 0.016
Methyl Mercaptan	< 0.015	< 0.016
Ethyl Mercaptan	< 0.015	< 0.016
Dimethyl Sulfide	< 0.015	< 0.016
Carbon Disulfide	< 0.015	< 0.016
Isopropyl Mercaptan	< 0.015	< 0.016
tert-Butyl Mercaptan	< 0.015	< 0.016
n-Propyl Mercaptan	< 0.015	< 0.016
Methylethylsulfide	< 0.015	< 0.016
sec-Butyl Mercaptan	< 0.015	< 0.016
Thiophene	< 0.015	< 0.016
iso-Butyl Mercaptan	< 0.015	< 0.016
Diethyl Sulfide	< 0.015	< 0.016
n-Butyl Mercaptan	< 0.015	< 0.016
Dimethyl Disulfide	< 0.015	< 0.016
2-Methylthiophene	< 0.015	< 0.016
3-Methylthiophene	< 0.015	< 0.016
Tetrahydrothiophene	< 0.015	< 0.016
Bromothiophene	< 0.015	< 0.016
Thiophenol	< 0.015	< 0.016
Diethyl disulfide	< 0.015	< 0.016
Total Unidentified Sulfur	< 0.015	< 0.016
Total Reduced Sulfurs as H ₂ S	< 0.015	< 0.016

All compound's concentrations expressed in terms of H₂S (TRS does not include COS and SO₂)
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 ASTM D-5504

Date Analyzed: 6/15/2015
Analyst: ZB

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

Opening Calibration Verification Standard

	Resp. (area)	Result (ppbV)	% Rec *	% RPD ****
Initial	4425	492	98.3	NA
Duplicate	4459	495	99.1	0.8
Triplicate	4510	501	100.2	1.9

Method Blank

Analyte	Result
H2S	ND

Duplicate Analysis

Sample ID 150694-79883 x5

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

Matrix Spike & Duplicate

Sample ID 150694-79883 x10

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H2S	0.0	250.0	262.2	256.5	104.9	102.6	2.2

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result (ppbV)	% Rec **
H2S	500.0	496.0	99.2

* Must be 95-105%

** Must be 90-110%

*** Must be < 10%

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


Marcus Hueppe
Laboratory Director



