07-Sep-2017

Stephanie Madden
RAPCA / Combined Health District
117 S. Main Street
Dayton, OH 45422

Tel: (937) 225-5922
Fax: 937-225-3486

Re: Community Air Toxics Monitoring 2017; Project No.: 2017-1 Work Order: **17081167**

Dear Stephanie,

ALS Environmental received 2 samples on 31-Aug-2017 04:11 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 7.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 07-Sep-17

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.: 2017-
Work Order: **17081167**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
17081167-01	Badge A-082917	Air		8/30/2017	8/31/2017 16:11	☐
17081167-02	Badge B-082917	Air		8/30/2017	8/31/2017 16:11	☐

ALS Environmental

Date: 07-Sep-17

Client:	RAPCA / Combined Health District
Project:	Community Air Toxics Monitoring 2017; Project No.: 2017
Work Order:	17081167

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: *07-Sep-17*

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.:

Work Order: 17081167

Analytical Results

Lab ID: 17081167-01A
Client Sample ID: Badge A-082917

Collection Date: 8/30/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.	Method: **O1007**	Time (Min): **1456**	Analyst: **JMB**
Date Analyzed: 9/6/2017 15:45		Reporting Limit	
	µg/sample	µg/sample	ppm
Acetaldehyde	ND	0.20	<0.0033
Benzaldehyde	ND	0.20	<0.0022
Butyraldehyde	ND	0.20	<0.0028
Crotonaldehyde	ND	0.20	<0.0049
Formaldehyde	ND	0.20	<0.0039
Hexanaldehyde	ND	0.20	<0.0035
Propionaldehyde	ND	0.20	<0.0041

Lab ID: 17081167-02A
Client Sample ID: Badge B-082917

Collection Date: 8/30/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.	Method: **O1007**	Time (Min): **1429**	Analyst: **JMB**
Date Analyzed: 9/6/2017 15:45		Reporting Limit	
	µg/sample	µg/sample	ppm
Acetaldehyde	ND	0.20	<0.0034
Benzaldehyde	ND	0.20	<0.0023
Butyraldehyde	ND	0.20	<0.0029
Crotonaldehyde	ND	0.20	<0.0050
Formaldehyde	ND	0.20	<0.0040
Hexanaldehyde	ND	0.20	<0.0035
Propionaldehyde	ND	0.20	<0.0042

Note:

ALS Environmental

Date: 07-Sep-17

Client: RAPCA / Combined Health District

Work Order: 17081167

Project: Community Air Toxics Monitoring 2017; Project No

QC BATCH REPORT

Batch ID: **45494** Instrument ID: **HPLC2** Method: **O1007**

MBLK Sample ID: **MBLK-45494-45494** Units: **µg/sample** Analysis Date: **9/6/2017 03:45 PM**

Client ID: Run ID: **HPLC2_170906A** SeqNo: **1587510** Prep Date: **9/6/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	ND	0.20								
Benzaldehyde	ND	0.20								
Butyraldehyde	ND	0.20								
Crotonaldehyde	ND	0.20								
Formaldehyde	ND	0.20								
Hexanaldehyde	ND	0.20								
Propionaldehyde	ND	0.20								

LCS Sample ID: **LCS-45494-45494** Units: **µg/sample** Analysis Date: **9/6/2017 03:45 PM**

Client ID: Run ID: **HPLC2_170906A** SeqNo: **1587511** Prep Date: **9/6/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	0.7625	0.20	0.75	0	102	70-130	0			
Benzaldehyde	0.7621	0.20	0.75	0	102	70-130	0			
Butyraldehyde	0.7633	0.20	0.75	0	102	70-130	0			
Crotonaldehyde	0.7649	0.20	0.75	0	102	70-130	0			
Formaldehyde	0.7643	0.20	0.75	0	102	70-130	0			
Hexanaldehyde	0.7608	0.20	0.75	0	101	70-130	0			
Propionaldehyde	0.7631	0.20	0.75	0	102	70-130	0			

LCSD Sample ID: **LCSD-45494-45494** Units: **µg/sample** Analysis Date: **9/6/2017 03:45 PM**

Client ID: Run ID: **HPLC2_170906A** SeqNo: **1587518** Prep Date: **9/6/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	0.7595	0.20	0.75	0	101	70-130	0.7625	0.394	20	
Benzaldehyde	0.7575	0.20	0.75	0	101	70-130	0.7621	0.605	20	
Butyraldehyde	0.7609	0.20	0.75	0	101	70-130	0.7633	0.315	20	
Crotonaldehyde	0.7607	0.20	0.75	0	101	70-130	0.7649	0.551	20	
Formaldehyde	0.7606	0.20	0.75	0	101	70-130	0.7643	0.485	20	
Hexanaldehyde	0.7049	0.20	0.75	0	94	70-130	0.7608	7.63	20	
Propionaldehyde	0.7597	0.20	0.75	0	101	70-130	0.7631	0.447	20	

The following samples were analyzed in this batch: 17081167-01A 17081167-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 07-Sep-17

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.:
WorkOrder: **17081167**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/sample	

ALS Environmental

Sample Receipt Checklist

Client Name: **RAPCA-DAYTON** Date/Time Received: **31-Aug-17 16:11**

Work Order: **17081167** Received by: **SNH**

Checklist completed by: Stephanie Harrington 01-Sep-17 Reviewed by: Shawn Smythe 01-Sep-17

eSignature | Date | eSignature | Date

Matrices:

Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.7		
Cooler(s)/Kit(s):			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: