



15-Aug-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: **1708311**

Dear Stephanie,

ALS Environmental received 2 samples on 08-Aug-2017 02:08 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

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**Client:** RAPCA / Combined Health District  
**Project:** Community Air Toxics Monitoring 2017; Project No.: 2017-  
**Work Order:** 1708311

**Work Order Sample Summary**

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<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1708311-01	BADGE A-080517	Air		8/5/2017	8/8/2017 14:08	<input type="checkbox"/>
1708311-02	BADGE B-080517	Air		8/5/2017	8/8/2017 14:08	<input type="checkbox"/>

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**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.

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

Work Order: 1708311

Analytical Results

Lab ID: 1708311-01A  
Client Sample ID: BADGE A-080517

Collection Date: 8/5/2017  
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1447	Analyst: JMB
Date Analyzed: 8/10/2017 13:20		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.20	<0.0033	
Benzaldehyde	ND	0.20	<0.0023	
Butyraldehyde	ND	0.20	<0.0028	
Crotonaldehyde	ND	0.20	<0.0050	
Formaldehyde	ND	0.20	<0.0039	
Hexanaldehyde	ND	0.20	<0.0035	
Propionaldehyde	ND	0.20	<0.0042	

Lab ID: 1708311-02A  
Client Sample ID: BADGE B-080517

Collection Date: 8/5/2017  
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1447	Analyst: JMB
Date Analyzed: 8/10/2017 13:20		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.20	<0.0033	
Benzaldehyde	ND	0.20	<0.0023	
Butyraldehyde	ND	0.20	<0.0028	
Crotonaldehyde	ND	0.20	<0.0050	
Formaldehyde	ND	0.20	<0.0039	
Hexanaldehyde	ND	0.20	<0.0035	
Propionaldehyde	ND	0.20	<0.0042	

Note:

Client: RAPCA / Combined Health District

**QC BATCH REPORT**

Work Order: 1708311

Project: Community Air Toxics Monitoring 2017; Project No

Batch ID: 44968

Instrument ID: HPLC2

Method: O1007

MBLK		Sample ID: MBLK-44968-44968			Units: µg/sample		Analysis Date: 8/10/2017 01:20 PM			
Client ID:		Run ID: HPLC2_170810A			SeqNo: 1569482		Prep Date: 8/10/2017		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-44968-44968			Units: µg/sample		Analysis Date: 8/10/2017 01:20 PM			
Client ID:		Run ID: HPLC2_170810A			SeqNo: 1569483		Prep Date: 8/10/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	0.7591	0.20	0.75	0	101	70-130	0			
Benzaldehyde	0.7655	0.20	0.75	0	102	70-130	0			
Butyraldehyde	0.7575	0.20	0.75	0	101	70-130	0			
Crotonaldehyde	0.7604	0.20	0.75	0	101	70-130	0			
Formaldehyde	0.7598	0.20	0.75	0	101	70-130	0			
Hexanaldehyde	0.7672	0.20	0.75	0	102	70-130	0			
Propionaldehyde	0.755	0.20	0.75	0	101	70-130	0			

LCSD		Sample ID: LCSD-44968-44968			Units: µg/sample		Analysis Date: 8/10/2017 01:20 PM			
Client ID:		Run ID: HPLC2_170810A			SeqNo: 1569486		Prep Date: 8/10/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	0.7693	0.20	0.75	0	103	70-130	0.7591	1.33	20	
Benzaldehyde	0.7685	0.20	0.75	0	102	70-130	0.7655	0.391	20	
Butyraldehyde	0.7668	0.20	0.75	0	102	70-130	0.7575	1.22	20	
Crotonaldehyde	0.7666	0.20	0.75	0	102	70-130	0.7604	0.812	20	
Formaldehyde	0.7698	0.20	0.75	0	103	70-130	0.7598	1.31	20	
Hexanaldehyde	0.7788	0.20	0.75	0	104	70-130	0.7672	1.5	20	
Propionaldehyde	0.7635	0.20	0.75	0	102	70-130	0.755	1.12	20	

The following samples were analyzed in this batch:

1708311-01A	1708311-02A
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**WorkOrder:** 1708311

**QUALIFIERS,  
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	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

<u>Acronym</u>	<u>Description</u>
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 Quantitation Limit
SDL	Sample Detection Limit
SW	SW-846 Method

<u>Units Reported</u>	<u>Description</u>
μg/sample	

Sample Receipt Checklist

Client Name: **RAPCA-DAYTON**

Date/Time Received: **08-Aug-17 14:08**

Work Order: **1708311**

Received by: **SNH**

Checklist completed by: Stephanie Harrington 08-Aug-17  
eSignature Date

Reviewed by: Shawn Smythe 08-Aug-17  
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):

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:

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Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: