



14-Jul-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: **1707054**

Dear Stephanie,

ALS Environmental received 2 samples on 05-Jul-2017 12:34 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

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.: 2017-
Work Order: 1707054

Work Order Sample Summary

<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>
1707054-01	Badge A- 070317	Air		7/3/2017	7/5/2017 12:34	<input type="checkbox"/>
1707054-02	Badge B- 070317	Air		7/3/2017	7/5/2017 12:34	<input type="checkbox"/>

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.: 2017
Work Order: 1707054

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: 14-Jul-17

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

Work Order: 1707054**Analytical Results**

Lab ID: 1707054-01A
Client Sample ID: Badge A- 070317

Collection Date: 7/3/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1377	Analyst: MHW
Date Analyzed: 7/13/2017		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.20	<0.0035	
Benzaldehyde	ND	0.20	<0.0024	
Butyraldehyde	ND	0.20	<0.0030	
Crotonaldehyde	ND	0.20	<0.0052	
Formaldehyde	0.20	0.20	0.0041	
Hexanaldehyde	ND	0.20	<0.0037	
Propionaldehyde	0.50	0.20	0.011	

Lab ID: 1707054-02A
Client Sample ID: Badge B- 070317

Collection Date: 7/3/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1376	Analyst: MHW
Date Analyzed: 7/13/2017		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.20	<0.0035	
Benzaldehyde	ND	0.20	<0.0024	
Butyraldehyde	ND	0.20	<0.0030	
Crotonaldehyde	ND	0.20	<0.0052	
Formaldehyde	0.20	0.20	0.0042	
Hexanaldehyde	ND	0.20	<0.0037	
Propionaldehyde	0.34	0.20	0.0075	

Note:

Client: RAPCA / Combined Health District

QC BATCH REPORT

Work Order: 1707054

Project: Community Air Toxics Monitoring 2017; Project No

Batch ID: 44365

Instrument ID: HPLC2

Method: O1007

MBLK	Sample ID: MBLK-44365-44365			Units: µg/sample			Analysis Date: 7/13/2017			
Client ID:	Run ID: HPLC2_170713A			SeqNo: 1546050			Prep Date: 7/13/2017		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-44365-44365			Units: µg/sample			Analysis Date: 7/13/2017			
Client ID:	Run ID: HPLC2_170713A			SeqNo: 1546051			Prep Date: 7/13/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Acetaldehyde	0.7532	0.20	0.75	0	100	70-130	0			
Benzaldehyde	0.7681	0.20	0.75	0	102	70-130	0			
Butyraldehyde	0.7003	0.20	0.75	0	93.4	70-130	0			
Crotonaldehyde	0.7793	0.20	0.75	0	104	70-130	0			
Formaldehyde	0.7814	0.20	0.75	0	104	70-130	0			
Hexanaldehyde	0.7441	0.20	0.75	0	99.2	70-130	0			
Propionaldehyde	0.7933	0.20	0.75	0	106	70-130	0			

LCSD	Sample ID: LCSD-44365-44365			Units: µg/sample			Analysis Date: 7/13/2017			
Client ID:	Run ID: HPLC2_170713A			SeqNo: 1546060			Prep Date: 7/13/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Acetaldehyde	0.7457	0.20	0.75	0	99.4	70-130	0.7532	1	20	
Benzaldehyde	0.7579	0.20	0.75	0	101	70-130	0.7681	1.34	20	
Butyraldehyde	0.7381	0.20	0.75	0	98.4	70-130	0.7003	5.26	20	
Crotonaldehyde	0.7733	0.20	0.75	0	103	70-130	0.7793	0.773	20	
Formaldehyde	0.7701	0.20	0.75	0	103	70-130	0.7814	1.46	20	
Hexanaldehyde	0.8883	0.20	0.75	0	118	70-130	0.7441	17.7	20	
Propionaldehyde	0.7727	0.20	0.75	0	103	70-130	0.7933	2.63	20	

The following samples were analyzed in this batch: 1707054-01A 1707054-02A

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

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.:
WorkOrder: 1707054

**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: **05-Jul-17 12:34**

Work Order: **1707054**

Received by: **JNW**

Checklist completed by: Stephanie Harrington 05-Jul-17
eSignature Date

Reviewed by: Chris Gibson 06-Jul-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:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: