



31-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: **1708970**

Dear Stephanie,

ALS Environmental received 2 samples on 25-Aug-2017 04:22 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: 1708970

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>
1708970-01	Badge A-082317	Air		8/23/2017	8/25/2017 16:22	<input type="checkbox"/>
1708970-02	Badge B-082317	Air		8/23/2017	8/25/2017 16:22	<input type="checkbox"/>

Client: RAPCA / Combined Health District
Project: Community Air Toxics Monitoring 2017; Project No.: 2017
Work Order: 1708970

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: 1708970

Analytical Results

Lab ID: 1708970-01A
Client Sample ID: Badge A-082317

Collection Date: 8/23/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1431	Analyst: JMB
Date Analyzed: 8/30/2017 22:21		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	

Lab ID: 1708970-02A
Client Sample ID: Badge B-082317

Collection Date: 8/23/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1423	Analyst: JMB
Date Analyzed: 8/30/2017 22:21		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	<0.0036	
Propionaldehyde	ND	0.20	<0.0042	

Note:

Client: RAPCA / Combined Health District

QC BATCH REPORT

Work Order: 1708970

Project: Community Air Toxics Monitoring 2017; Project No

Batch ID: **45357**

Instrument ID: **HPLC2**

Method: **O1007**

MBLK	Sample ID: MBLK-45357-45357			Units: µg/sample			Analysis Date: 8/30/2017 10:21 PM			
Client ID:	Run ID: HPLC2_170830A			SeqNo: 1583605			Prep Date: 8/30/2017		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-45357-45357			Units: µg/sample			Analysis Date: 8/30/2017 10:21 PM			
Client ID:	Run ID: HPLC2_170830A			SeqNo: 1583606			Prep Date: 8/30/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Acetaldehyde	0.7702	0.20	0.75	0	103	70-130	0			
Benzaldehyde	0.7698	0.20	0.75	0	103	70-130	0			
Butyraldehyde	0.7658	0.20	0.75	0	102	70-130	0			
Crotonaldehyde	0.7628	0.20	0.75	0	102	70-130	0			
Formaldehyde	0.7781	0.20	0.75	0	104	70-130	0			
Hexanaldehyde	0.7695	0.20	0.75	0	103	70-130	0			
Propionaldehyde	0.7647	0.20	0.75	0	102	70-130	0			

LCSD	Sample ID: LCSD-45357-45357			Units: µg/sample			Analysis Date: 8/30/2017 10:21 PM			
Client ID:	Run ID: HPLC2_170830A			SeqNo: 1583611			Prep Date: 8/30/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Acetaldehyde	0.7426	0.20	0.75	0	99	70-130	0.7702	3.65	20	
Benzaldehyde	0.7422	0.20	0.75	0	99	70-130	0.7698	3.65	20	
Butyraldehyde	0.7364	0.20	0.75	0	98.2	70-130	0.7658	3.91	20	
Crotonaldehyde	0.7359	0.20	0.75	0	98.1	70-130	0.7628	3.59	20	
Formaldehyde	0.7477	0.20	0.75	0	99.7	70-130	0.7781	3.98	20	
Hexanaldehyde	0.7414	0.20	0.75	0	98.9	70-130	0.7695	3.72	20	
Propionaldehyde	0.7388	0.20	0.75	0	98.5	70-130	0.7647	3.45	20	

The following samples were analyzed in this batch: 1708970-01A 1708970-02A

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: 1708970

**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: **25-Aug-17 16:22**

Work Order: **1708970**

Received by: **JNW**

Checklist completed by: Rob Nieman 28-Aug-17
eSignature Date

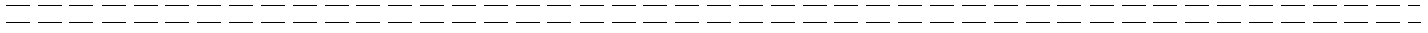
Reviewed by: Shawn Smythe 28-Aug-17
eSignature Date

Matrices:

Carrier name: Courier

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<input type="text" value="3.8"/> <input type="text"/>		
Cooler(s)/Kit(s):	<input type="text"/>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:	<input type="text" value="-"/>		

Login Notes:



Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: