



26-May-2017

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

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

Re: 2017-1; Community Air Toxics Monitoring 2017

Work Order: **1705873**

Dear Stephanie,

ALS Environmental received 2 samples on 24-May-2017 10:05 AM 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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Environmental

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Client: RAPCA / Combined Health District
Project: 2017-1; Community Air Toxics Monitoring 2017
Work Order: 1705873

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>
1705873-01	Badge A-052217	Air		5/23/2017	5/24/2017 10:05	<input type="checkbox"/>
1705873-02	Badge B- 052217	Air		5/23/2017	5/24/2017 10:05	<input type="checkbox"/>

Client: RAPCA / Combined Health District
Project: 2017-1; Community Air Toxics Monitoring 2017
Work Order: 1705873

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: 2017-1; Community Air Toxics Monitoring 2017

Work Order: 1705873

Analytical Results

Lab ID: 1705873-01A
Client Sample ID: Badge A-052217

Collection Date: 5/23/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1416	Analyst: JMB
Date Analyzed: 5/23/2017 01:35		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.090	<0.0015	
Benzaldehyde	0.16	0.090	0.0018	
Butyraldehyde	ND	0.090	<0.0013	
Crotonaldehyde	ND	0.090	<0.0023	
Formaldehyde	ND	0.090	<0.0018	
Hexanaldehyde	ND	0.18	<0.0032	
Propionaldehyde	ND	0.090	<0.0019	

Lab ID: 1705873-02A
Client Sample ID: Badge B- 052217

Collection Date: 5/23/2017
Matrix: AIR

Analyses

ALDEHYDE(S) BY OSHA 1007 MOD.		Method: O1007	Time (Min): 1416	Analyst: JMB
Date Analyzed: 5/23/2017 01:35		Reporting Limit		
	µg/sample	µg/sample	ppm	
Acetaldehyde	ND	0.090	<0.0015	
Benzaldehyde	0.11	0.090	0.0013	
Butyraldehyde	ND	0.090	<0.0013	
Crotonaldehyde	ND	0.090	<0.0023	
Formaldehyde	0.092	0.090	0.0018	
Hexanaldehyde	ND	0.18	<0.0032	
Propionaldehyde	ND	0.090	<0.0019	

Note:

Client: RAPCA / Combined Health District

QC BATCH REPORT

Work Order: 1705873

Project: 2017-1; Community Air Toxics Monitoring 2017

Batch ID: 43350

Instrument ID: HPLC2

Method: O1007

MBLK		Sample ID: MBLK-43350-43350			Units: µg/sample		Analysis Date: 5/23/2017 01:35 AM			
Client ID:		Run ID: HPLC2_170523A			SeqNo: 1511800		Prep Date: 5/23/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	ND	0.045								
Benzaldehyde	ND	0.045								
Butyraldehyde	ND	0.045								
Crotonaldehyde	ND	0.045								
Formaldehyde	ND	0.045								
Hexanaldehyde	ND	0.090								
Propionaldehyde	ND	0.045								

LCS		Sample ID: LCS-43350-43350			Units: µg/sample		Analysis Date: 5/23/2017 01:35 AM			
Client ID:		Run ID: HPLC2_170523A			SeqNo: 1511801		Prep Date: 5/23/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	1.603	0.045	1.5	0	107	70-130	0			
Benzaldehyde	1.503	0.045	1.5	0	100	70-130	0			
Butyraldehyde	1.543	0.045	1.5	0	103	70-130	0			
Crotonaldehyde	1.5	0.045	1.5	0	100	70-130	0			
Formaldehyde	1.516	0.045	1.5	0	101	70-130	0			
Hexanaldehyde	3	0.090	3	0	100	70-130	0			
Propionaldehyde	1.548	0.045	1.5	0	103	70-130	0			

LCSD		Sample ID: LCSD-43350-43350			Units: µg/sample		Analysis Date: 5/23/2017 01:35 AM			
Client ID:		Run ID: HPLC2_170523A			SeqNo: 1511812		Prep Date: 5/23/2017		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acetaldehyde	1.524	0.045	1.5	0	102	70-130	1.603	5.03	20	
Benzaldehyde	1.433	0.045	1.5	0	95.6	70-130	1.503	4.76	20	
Butyraldehyde	1.477	0.045	1.5	0	98.5	70-130	1.543	4.4	20	
Crotonaldehyde	1.43	0.045	1.5	0	95.4	70-130	1.5	4.74	20	
Formaldehyde	1.438	0.045	1.5	0	95.8	70-130	1.516	5.28	20	
Hexanaldehyde	2.917	0.090	3	0	97.2	70-130	3	2.81	20	
Propionaldehyde	1.477	0.045	1.5	0	98.5	70-130	1.548	4.68	20	

The following samples were analyzed in this batch:

1705873-01A	1705873-02A
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Client: RAPCA / Combined Health District
Project: 2017-1; Community Air Toxics Monitoring 2017
WorkOrder: 1705873

**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: **24-May-17 10:05**

Work Order: **1705873**

Received by: **ADM**

Checklist completed by: Rob Nieman 24-May-17
eSignature Date

Reviewed by: Shawn Smythe 26-May-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: