09-Mar-2017

Ryan Mathews
Fulcrum Environmental Consulting
406 N. 2nd Street
Yakima, WA 98901

Tel: (509) 574-0839
Fax:

Re: Sky Valley Edu Center; PN 17-2070 Work Order: **1703194**

Dear Ryan,

ALS Environmental received 22 samples on 07-Mar-2017 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 17.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

ALS Environmental

Date: 09-Mar-17

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070
Work Order: **1703194**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1703194-01	030617-01	Air		3/6/2017	3/7/2017	☐
1703194-02	030617-02	Air		3/6/2017	3/7/2017	☐
1703194-03	030617-03	Air		3/6/2017	3/7/2017	☐
1703194-04	030617-04	Air		3/6/2017	3/7/2017	☐
1703194-05	030617-05	Air		3/6/2017	3/7/2017	☐
1703194-06	030617-06	Air		3/6/2017	3/7/2017	☐
1703194-07	030617-07	Air		3/6/2017	3/7/2017	☑
1703194-08	030617-08	Air		3/6/2017	3/7/2017	☐
1703194-09	030617-09	Air		3/6/2017	3/7/2017	☑
1703194-10	030617-10	Air		3/6/2017	3/7/2017	☐
1703194-11	030617-11	Wipe		3/6/2017	3/7/2017	☐
1703194-12	030617-12	Wipe		3/6/2017	3/7/2017	☐
1703194-13	030617-13	Wipe		3/6/2017	3/7/2017	☐
1703194-14	030617-14	Wipe		3/6/2017	3/7/2017	☐
1703194-15	030617-15	Wipe		3/6/2017	3/7/2017	☐
1703194-16	030617-16	Wipe		3/6/2017	3/7/2017	☐
1703194-17	030617-17	Wipe		3/6/2017	3/7/2017	☐
1703194-18	030617-18	Wipe		3/6/2017	3/7/2017	☐
1703194-19	030617-19	Wipe		3/6/2017	3/7/2017	☐
1703194-20	030617-20	Wipe		3/6/2017	3/7/2017	☐
1703194-21	030617-21	Air		3/6/2017	3/7/2017	☐
1703194-22	030617-22	Air		3/6/2017	3/7/2017	☐

ED_004522_00093562-00002

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-01A
Client Sample ID: 030617-01

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**

Date Analyzed: 3/8/2017 17:24

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Lab ID: 1703194-02A
Client Sample ID: 030617-02

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**

Date Analyzed: 3/8/2017 17:38

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-03A
Collection Date: 3/6/2017
Client Sample ID: 030617-03
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**
Date Analyzed: 3/8/2017 17:52

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Lab ID: 1703194-04A
Collection Date: 3/6/2017
Client Sample ID: 030617-04
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**
Date Analyzed: 3/8/2017 18:06

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-05A
Client Sample ID: 030617-05

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**

Date Analyzed: 3/8/2017 18:21

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Lab ID: 1703194-06A
Client Sample ID: 030617-06

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2100** Analyst: **JEA**

Date Analyzed: 3/8/2017 18:35

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000048
Aroclor 1221	ND	0.10	<0.000048
Aroclor 1232	ND	0.10	<0.000048
Aroclor 1242	ND	0.10	<0.000048
Aroclor 1248	ND	0.10	<0.000048
Aroclor 1254	ND	0.10	<0.000048
Aroclor 1260	ND	0.10	<0.000048
Aroclor 1262	ND	0.10	<0.000048
Aroclor 1268	ND	0.10	<0.000048

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-08A
Client Sample ID: 030617-08

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2050** Analyst: **JEA**

Date Analyzed: 3/8/2017 19:03

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000049
Aroclor 1221	ND	0.10	<0.000049
Aroclor 1232	ND	0.10	<0.000049
Aroclor 1242	ND	0.10	<0.000049
Aroclor 1248	ND	0.10	<0.000049
Aroclor 1254	ND	0.10	<0.000049
Aroclor 1260	ND	0.10	<0.000049
Aroclor 1262	ND	0.10	<0.000049
Aroclor 1268	ND	0.10	<0.000049

Lab ID: 1703194-10A
Client Sample ID: 030617-10

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2050** Analyst: **JEA**

Date Analyzed: 3/8/2017 19:32

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000049
Aroclor 1221	ND	0.10	<0.000049
Aroclor 1232	ND	0.10	<0.000049
Aroclor 1242	ND	0.10	<0.000049
Aroclor 1248	ND	0.10	<0.000049
Aroclor 1254	ND	0.10	<0.000049
Aroclor 1260	ND	0.10	<0.000049
Aroclor 1262	ND	0.10	<0.000049
Aroclor 1268	ND	0.10	<0.000049

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-21A
Client Sample ID: 030617-21

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **0** Analyst: **JEA**

Date Analyzed: 3/8/2017 19:46

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	NA
Aroclor 1221	ND	0.10	NA
Aroclor 1232	ND	0.10	NA
Aroclor 1242	ND	0.10	NA
Aroclor 1248	ND	0.10	NA
Aroclor 1254	ND	0.10	NA
Aroclor 1260	ND	0.10	NA
Aroclor 1262	ND	0.10	NA
Aroclor 1268	ND	0.10	NA

Lab ID: 1703194-22A
Client Sample ID: 030617-22

Collection Date: 3/6/2017
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **0** Analyst: **JEA**

Date Analyzed: 3/8/2017 20:00

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	NA
Aroclor 1221	ND	0.10	NA
Aroclor 1232	ND	0.10	NA
Aroclor 1242	ND	0.10	NA
Aroclor 1248	ND	0.10	NA
Aroclor 1254	ND	0.10	NA
Aroclor 1260	ND	0.10	NA
Aroclor 1262	ND	0.10	NA
Aroclor 1268	ND	0.10	NA

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-11A
Client Sample ID: 030617-11

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 16:29

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Lab ID: 1703194-12A
Client Sample ID: 030617-12

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 16:43

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-13A
Client Sample ID: 030617-13

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**
Date Analyzed: 3/7/2017 16:57

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Lab ID: 1703194-14A
Client Sample ID: 030617-14

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**
Date Analyzed: 3/7/2017 17:12

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	**5.2**	**1.0**	**5.2**
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-15A
Client Sample ID: 030617-15

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**
Date Analyzed: 3/7/2017 17:26

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Lab ID: 1703194-16A
Client Sample ID: 030617-16

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**
Date Analyzed: 3/7/2017 17:40

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	**8.5**	**1.0**	**8.5**
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-17A
Client Sample ID: 030617-17

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 17:54

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Lab ID: 1703194-18A
Client Sample ID: 030617-18

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **100 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 18:09

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	<1.0
Aroclor 1221	ND	1.0	<1.0
Aroclor 1232	ND	1.0	<1.0
Aroclor 1242	ND	1.0	<1.0
Aroclor 1248	ND	1.0	<1.0
Aroclor 1254	ND	1.0	<1.0
Aroclor 1260	ND	1.0	<1.0
Aroclor 1262	ND	1.0	<1.0
Aroclor 1268	ND	1.0	<1.0

Note:

ED_004522_00093562-00011

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070

Work Order: 1703194

Analytical Results

Lab ID: 1703194-19A
Client Sample ID: 030617-19

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **0 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 18:23

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	NA
Aroclor 1221	ND	1.0	NA
Aroclor 1232	ND	1.0	NA
Aroclor 1242	ND	1.0	NA
Aroclor 1248	ND	1.0	NA
Aroclor 1254	ND	1.0	NA
Aroclor 1260	ND	1.0	NA
Aroclor 1262	ND	1.0	NA
Aroclor 1268	ND	1.0	NA

Lab ID: 1703194-20A
Client Sample ID: 030617-20

Collection Date: 3/6/2017
Matrix: WIPE

Analyses

PCBS WIPE Method: **SW8082** Area **0 cm2** Analyst: **JEA**

Date Analyzed: 3/7/2017 18:37

	µg/sample	Reporting Limit µg/sample	ug/100cm2
Aroclor 1016	ND	1.0	NA
Aroclor 1221	ND	1.0	NA
Aroclor 1232	ND	1.0	NA
Aroclor 1242	ND	1.0	NA
Aroclor 1248	ND	1.0	NA
Aroclor 1254	ND	1.0	NA
Aroclor 1260	ND	1.0	NA
Aroclor 1262	ND	1.0	NA
Aroclor 1268	ND	1.0	NA

Note:

ALS Environmental

Date: *09-Mar-17*

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070
Work Order: 1703194

Analytical Comments

Method	Type:	SampID	SeqNo	Analysis	Comments
Batch **41723**					
	Analysis	1703194-01A	1458967	PCBs by EPA TO-10	Surrogate failed due to sample interference.

ALS Environmental

Date: 09-Mar-17

Client: Fulcrum Environmental Consulting
Work Order: 1703194
Project: Sky Valley Edu Center; PN 17-2070

QC BATCH REPORT

Batch ID: **41721** Instrument ID: **GC3** Method: **SW8082**

MBLK Sample ID: **MBLK-41721-41721** Units: **µg/sample** Analysis Date: **3/7/2017 03:46 PM**
Client ID: Run ID: **GC3_170307A** SeqNo: **1458140** Prep Date: **3/7/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	1.0								
Aroclor 1221	ND	1.0								
Aroclor 1232	ND	1.0								
Aroclor 1242	ND	1.0								
Aroclor 1248	ND	1.0								
Aroclor 1254	ND	1.0								
Aroclor 1260	ND	1.0								
Aroclor 1262	ND	1.0								
Aroclor 1268	ND	1.0								
Surr: Decachlorobiphenyl	0.448	0	*0.5*	0	*89.6*	*14.6-145*	0			
Surr: Tetrachloro-m-xylene	0.424	0	*0.5*	0	*84.8*	*24.4-141*	0			

LCS Sample ID: **LCS-41721-41721** Units: **µg/sample** Analysis Date: **3/7/2017 04:00 PM**
Client ID: Run ID: **GC3_170307A** SeqNo: **1458141** Prep Date: **3/7/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	16.62	1.0	20	0	83.1	38.1-135	0			
Surr: Decachlorobiphenyl	0.823	0	*1*	0	*82.3*	*14.6-145*	0			
Surr: Tetrachloro-m-xylene	0.794	0	*1*	0	*79.4*	*24.4-141*	0			

LCSD Sample ID: **LCSD-41721-41721** Units: **µg/sample** Analysis Date: **3/7/2017 04:15 PM**
Client ID: Run ID: **GC3_170307A** SeqNo: **1458142** Prep Date: **3/7/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	12.46	1.0	20	0	62.3	38.1-135	16.62	28.6	20	R
Surr: Decachlorobiphenyl	0.654	0	*1*	0	*65.4*	*14.6-145*	0.823	*22.9*		
Surr: Tetrachloro-m-xylene	0.589	0	*1*	0	*58.9*	*24.4-141*	0.794	*29.6*		

The following samples were analyzed in this batch:

1703194-11A	1703194-12A	1703194-13A
1703194-14A	1703194-15A	1703194-16A
1703194-17A	1703194-18A	1703194-19A
1703194-20A		

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

Client: Fulcrum Environmental Consulting
Work Order: 1703194
Project: Sky Valley Edu Center; PN 17-2070

QC BATCH REPORT

Batch ID: **41723** Instrument ID: **GC3** Method: **ETO10A**

MBLK Sample ID: **MBLK-41723-41723** Units: **µg/sample** Analysis Date: **3/8/2017 04:55 PM**
Client ID: Run ID: **GC3_170308A** SeqNo: **1458965** Prep Date: **3/7/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	ND	0.10								
Aroclor 1221	ND	0.10								
Aroclor 1232	ND	0.10								
Aroclor 1242	ND	0.10								
Aroclor 1248	ND	0.10								
Aroclor 1254	ND	0.10								
Aroclor 1260	ND	0.10								
Aroclor 1262	ND	0.10								
Aroclor 1268	ND	0.10								
Surr: Decachlorobiphenyl	0.0404	0	*0.05*	0	*80.8*	*41.6-116*	0			
Surr: Tetrachloro-m-xylene	0.0394	0	*0.05*	0	*78.8*	*45.7-110*	0			

LCS Sample ID: **LCS-41723-41723** Units: **µg/sample** Analysis Date: **3/8/2017 05:09 PM**
Client ID: Run ID: **GC3_170308A** SeqNo: **1458966** Prep Date: **3/7/2017** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	0.9674	0.10	1	0	96.7	50.3-120	0			
Surr: Decachlorobiphenyl	0.0372	0	*0.05*	0	*74.4*	*35.7-104*	0			
Surr: Tetrachloro-m-xylene	0.044	0	*0.05*	0	*88*	*45.7-110*	0			

The following samples were analyzed in this batch:

1703194-01A	1703194-02A	1703194-03A
1703194-04A	1703194-05A	1703194-06A
1703194-07A	1703194-08A	1703194-09A
1703194-10A	1703194-21A	1703194-22A

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

ALS Environmental

Date: 09-Mar-17

Client: Fulcrum Environmental Consulting
Project: Sky Valley Edu Center; PN 17-2070
WorkOrder: **1703194**

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	

ED_004522_00093562-00016

ALS Environmental

Sample Receipt Checklist

Client Name: **FULCRUM-YAKIMA** Date/Time Received: **07-Mar-17 00:00**

Work Order: **1703194** Received by: **RDN**

Checklist completed by: ChrisGibson (eSignature) 07-Mar-17 (Date) Reviewed by: ChrisGibson (eSignature) 07-Mar-17 (Date)

Matrices:

Carrier name: UPS

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	

Temperature(s)/Thermometer(s): 4.0

Cooler(s)/Kit(s):

	Yes	No		
Water - VOA vials have zero headspace?	☐	☐	No VOA vials submitted	☐
Water - pH acceptable upon receipt?	☐	☐	N/A	☐
pH adjusted?	☐	☐	N/A	☐

pH adjusted by: -

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: