18-May-2016

Gregg Middaugh
PBS
2517 Eastlake Ave. East, Suite 100
Seattle, WA 98102

Tel: (206) 255-4659
Fax:

Re: SKY VALEY EC; Project # 41373.000 Work Order: **1605414**

Dear Gregg,

ALS Environmental received 14 samples on 14-May-2016 08:32 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 20.

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

Sincerely,

Shawn Smythe

Electronically approved by: Jeff Ogle

Shawn Smythe
Project Manager

ALS Environmental

Date: 18-May-16

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Work Order: **1605414**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1605414-01	100-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-02	101-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-03	102-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-04	103-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-05	104-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-06	105-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-07	106-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-08	107-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-09	108-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-10	109-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-11	110-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-12	111-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-13	112-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐
1605414-14	113-PCB-W	Wipe		5/12/2016	5/14/2016 08:32	☐

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Work Order: 1605414

Case Narrative

The analytical data provided relates directly to the samples received by ALS Laboratory Group 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 Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

A spiking error during prep and there are no surrogate recoveries for the samples. All laboratory quality control samples passed within their respective control limits

ALS Environmental

Date: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 100-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-01
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 101-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-02
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 102-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-03
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 103-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-04
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 104-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-05
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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	**29**	**1.0**	**29**
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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 105-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-06
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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	**13**	**1.0**	**13**
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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 106-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-07
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 107-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-08
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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	**2.4**	**1.0**	**2.4**
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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 108-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-09
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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	**1.3**	**1.0**	**1.3**
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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 109-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-10
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 110-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-11
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 111-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-12
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 112-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-13
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: *18-May-16*

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
Sample ID: 113-PCB-W
Collection Date: 5/12/2016

Work Order: 1605414
Lab ID: 1605414-14
Matrix: WIPE

Analytical Results

Analyses

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

Date Analyzed: 5/16/2016

	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: 18-May-16

Client: PBS
Work Order: 1605414
Project: SKY VALEY EC; Project # 41373.000

QC BATCH REPORT

Batch ID: **35886** Instrument ID **GC3** Method: **SW8082**

MBLK Sample ID **MBLK-35886-35886** Units: **µg/sample** Analysis Date: **5/16/2016 06:11 PM**
Client ID: Run ID: **GC3_160516A** SeqNo: **1282971** Prep Date: **5/16/2016** 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	0.636	0	*1*	0	*63.6*	*22.1-84.6*	0			
Surr: Tetrachloro-m-xylene	0.672	0	*1*	0	*67.2*	*21.9-99.9*	0			

LCS Sample ID **LCS-35886-35886** Units: **µg/sample** Analysis Date: **5/16/2016 06:26 PM**
Client ID: Run ID: **GC3_160516A** SeqNo: **1282972** Prep Date: **5/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	11.96	1.0	10	0	120	50.5-124	0			
Surr: Decachlorobiphenyl	0.677	0	*1*	0	*67.7*	*22.1-84.6*	0			
Surr: Tetrachloro-m-xylene	0.709	0	*1*	0	*70.9*	*21.9-99.9*	0			

LCS Sample ID **LCSD-35886-35886** Units: **µg/sample** Analysis Date: **5/16/2016 06:40 PM**
Client ID: Run ID: **GC3_160516A** SeqNo: **1282973** Prep Date: **5/16/2016** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1260	12.34	1.0	10	0	123	50.5-124	0			
Surr: Decachlorobiphenyl	0.672	0	*1*	0	*67.2*	*22.1-84.6*	0			
Surr: Tetrachloro-m-xylene	0.713	0	*1*	0	*71.3*	*21.9-99.9*	0			

The following samples were analyzed in this batch:

1605414-01A	1605414-02A	1605414-03A
1605414-04A	1605414-05A	1605414-06A
1605414-07A	1605414-08A	1605414-09A
1605414-10A	1605414-11A	1605414-12A
1605414-13A	1605414-14A	

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

ALS Environmental

Date: 18-May-16

Client: PBS
Project: SKY VALEY EC; Project # 41373.000
WorkOrder: **1605414**

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	

ALS Environmental

Sample Receipt Checklist

Client Name: **PBS-SEATTLE** Date/Time Received: **14-May-16 08:32**

Work Order: **1605414** Received by: **JNW**

Checklist completed by Stephanie Harrington (eSignature) 16-May-16 (Date) Reviewed by: Shawn Smythe (eSignature) 16-May-16 (Date)

Matrices:

Carrier name: UPS

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):	4.2		
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: