23-Feb-2016

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

Tel: (206) 255-4659
Fax:

Re: SVEC; 41373.000 Work Order: **1602756**

Dear Gregg,

ALS Environmental received 39 samples on 19-Feb-2016 09:23 AM for the analyses presented in the following report.

THIS IS A PRELIMINARY REPORT! This report may contain incomplete data or data that has not been fully validated. Caution should be exercised in using the data as final reported results.

If you have any questions regarding these tests results, please fee free to contact me.

Sincerely,

Shawn Smythe

Electronically approved by: Shawn Smythe

Shawn Smythe
Project Manager

ALS Environmental

Date: 23-Feb-16

Client: PBS
Project: SVEC; 41373.000
Work Order: **1602756**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1602756-01	021-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-02	022-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-03	032-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-04	033-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-05	034-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-06	035-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-07	036-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-08	037-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-09	038-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-10	039-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-11	040-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-12	041-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-13	042-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-14	043-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-15	044-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-16	045-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-17	046-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-18	047-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-19	048-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-20	049-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-21	050-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-22	051-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-23	052-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-24	053-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-25	054-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-26	055-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-27	056-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-28	057-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-29	058-PCB-A	Air		2/18/2016	2/19/2016 09:23	☐
1602756-30	059	Air		2/18/2016	2/19/2016 09:23	☐
1602756-31	060	Air		2/18/2016	2/19/2016 09:23	☐
1602756-32	061	Air		2/18/2016	2/19/2016 09:23	☐
1602756-33	062	Air		2/18/2016	2/19/2016 09:23	☐
1602756-34	063	Air		2/18/2016	2/19/2016 09:23	☐
1602756-35	064	Air		2/18/2016	2/19/2016 09:23	☐
1602756-36	065	Air		2/18/2016	2/19/2016 09:23	☐
1602756-37	066	Air		2/18/2016	2/19/2016 09:23	☐
1602756-38	067	Air		2/18/2016	2/19/2016 09:23	☐

Client: PBS
Project: SVEC; 41373.000
Work Order: **1602756**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1602756-39	068	Air		2/18/2016	2/19/2016 09:23	☐

Client: PBS
Project: SVEC; 41373.000
Work Order: 1602756

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.

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-01A
Client Sample ID: 021-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2050** Analyst: **TSA**
Date Analyzed: 2/22/2016

	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: 1602756-02A
Client Sample ID: 022-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **1988** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	ND	0.10	<0.000050
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-06A
Client Sample ID: 035-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2013** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	ND	0.10	<0.000050
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Lab ID: 1602756-17A
Client Sample ID: 046-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2160** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000046
Aroclor 1221	ND	0.10	<0.000046
Aroclor 1232	ND	0.10	<0.000046
Aroclor 1242	**0.10**	**0.10**	**0.000048**
Aroclor 1248	ND	0.10	<0.000046
Aroclor 1254	ND	0.10	<0.000046
Aroclor 1260	ND	0.10	<0.000046
Aroclor 1262	ND	0.10	<0.000046
Aroclor 1268	ND	0.10	<0.000046

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-21A
Client Sample ID: 050-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2058** Analyst: **TSA**
Date Analyzed: 2/22/2016

	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: 1602756-23A
Client Sample ID: 052-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2169** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000046
Aroclor 1221	ND	0.10	<0.000046
Aroclor 1232	ND	0.10	<0.000046
Aroclor 1242	**0.11**	**0.10**	**0.000051**
Aroclor 1248	ND	0.10	<0.000046
Aroclor 1254	ND	0.10	<0.000046
Aroclor 1260	ND	0.10	<0.000046
Aroclor 1262	ND	0.10	<0.000046
Aroclor 1268	ND	0.10	<0.000046

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-25A
Client Sample ID: 054-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2157** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000046
Aroclor 1221	ND	0.10	<0.000046
Aroclor 1232	ND	0.10	<0.000046
Aroclor 1242	**0.23**	**0.10**	**0.00011**
Aroclor 1248	ND	0.10	<0.000046
Aroclor 1254	ND	0.10	<0.000046
Aroclor 1260	ND	0.10	<0.000046
Aroclor 1262	ND	0.10	<0.000046
Aroclor 1268	ND	0.10	<0.000046

Lab ID: 1602756-26A
Client Sample ID: 055-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2821** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000035
Aroclor 1221	ND	0.10	<0.000035
Aroclor 1232	ND	0.10	<0.000035
Aroclor 1242	ND	0.10	<0.000035
Aroclor 1248	ND	0.10	<0.000035
Aroclor 1254	ND	0.10	<0.000035
Aroclor 1260	ND	0.10	<0.000035
Aroclor 1262	ND	0.10	<0.000035
Aroclor 1268	ND	0.10	<0.000035

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-27A
Client Sample ID: 056-PCB-A

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2132** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000047
Aroclor 1221	ND	0.10	<0.000047
Aroclor 1232	ND	0.10	<0.000047
Aroclor 1242	**0.57**	**0.10**	**0.00027**
Aroclor 1248	ND	0.10	<0.000047
Aroclor 1254	ND	0.10	<0.000047
Aroclor 1260	ND	0.10	<0.000047
Aroclor 1262	ND	0.10	<0.000047
Aroclor 1268	ND	0.10	<0.000047

Lab ID: 1602756-30A
Client Sample ID: 059

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **1898** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000053
Aroclor 1221	ND	0.10	<0.000053
Aroclor 1232	ND	0.10	<0.000053
Aroclor 1242	**0.39**	**0.10**	**0.00021**
Aroclor 1248	ND	0.10	<0.000053
Aroclor 1254	ND	0.10	<0.000053
Aroclor 1260	ND	0.10	<0.000053
Aroclor 1262	ND	0.10	<0.000053
Aroclor 1268	ND	0.10	<0.000053

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-31A
Client Sample ID: 060

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **1993** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	**0.29**	**0.10**	**0.00015**
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Lab ID: 1602756-32A
Client Sample ID: 061

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **1993** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	ND	0.10	<0.000050
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-33A
Client Sample ID: 062

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **1997** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	**0.31**	**0.10**	**0.00015**
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Lab ID: 1602756-34A
Client Sample ID: 063

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10 Method: **ETO10A** Air Volume (L): **2001** Analyst: **TSA**
Date Analyzed: 2/22/2016

	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000050
Aroclor 1221	ND	0.10	<0.000050
Aroclor 1232	ND	0.10	<0.000050
Aroclor 1242	**0.51**	**0.10**	**0.00025**
Aroclor 1248	ND	0.10	<0.000050
Aroclor 1254	ND	0.10	<0.000050
Aroclor 1260	ND	0.10	<0.000050
Aroclor 1262	ND	0.10	<0.000050
Aroclor 1268	ND	0.10	<0.000050

Note:

PRELIMINARY

ALS Environmental

Date: *23-Feb-16*

Client: PBS
Project: SVEC; 41373.000

Work Order: 1602756

Analytical Results

Lab ID: 1602756-35A
Client Sample ID: 064

Collection Date: 2/18/2016
Matrix: AIR

Analyses

PCBS BY EPA TO-10	Method: **ETO10A**	Air Volume (L): **1875**	Analyst: **TSA**
Date Analyzed: 2/22/2016			
	µg/sample	Reporting Limit µg/sample	mg/m3
Aroclor 1016	ND	0.10	<0.000053
Aroclor 1221	ND	0.10	<0.000053
Aroclor 1232	ND	0.10	<0.000053
Aroclor 1242	**0.19**	**0.10**	**0.000099**
Aroclor 1248	ND	0.10	<0.000053
Aroclor 1254	ND	0.10	<0.000053
Aroclor 1260	ND	0.10	<0.000053
Aroclor 1262	ND	0.10	<0.000053
Aroclor 1268	ND	0.10	<0.000053

Note:

PRELIMINARY

Client: PBS
Project: SVEC; 41373.000
WorkOrder: **1602756**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated MethodBlank 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 controllimits
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: **19-Feb-16 09:23**

Work Order: **1602756** Received by: **SNH**

Checklist completed by: Stephanie Harrington (eSignature) 19-Feb-16 (Date) Reviewed by: Shawn Smythe (eSignature) 22-Feb-16 (Date)

Matrices:

Carrier name: FedEx

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):	16.3		
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:

Corrective Action: