

06-Apr-2016

Roger Bellas
Pennsylvania DEP Bureau of Air Quality
12th Floor RCSOB
400 Market Street
Harrisburg, PA 17105

Tel: (570) 826-2511

Fax:

Re: Mid Valley High School (MVH)- 03/05/16 Work Order: 1603282

Dear Roger,

ALS Environmental received 6 samples on 08-Mar-2016 10:15 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 11.

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

Sincerely,

R oh Nieman

Electronically approved by: Rob Nieman

Rob Nieman Project Manager

ADDRESS 4388 Glendale Milford Rd Cincinnati, Ohio 45242- | PHONE (513) 733-5336 | FAX (513) 733-5347 ALS GROUP USA, CORP. Part of the ALS Group An ALS Limited Company

Client: Pennsylvania DEP Bureau of Air Quality

Project: Mid Valley High School (MVH)- 03/05/16

Work Order: 1603282

Work O	rder	Sample	Summary
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Lab Samp II	Client Sample ID	<u>Matrix</u>	Tag Number	Collection Date	Date Received	Hold
1603282-01	MVH030516-1 / Red	Air		3/5/2016 09:50	3/8/2016 10:15	
1603282-02	MVH030516-2 / Blue	Air		3/5/2016 09:50	3/8/2016 10:15	
1603282-03	MVH030516-3 / Green	Air		3/5/2016 09:50	3/8/2016 10:15	
1603282-04	MVH030516-4 / Orange	Air		3/5/2016 09:50	3/8/2016 10:15	
1603282-05	MVH030516-5 / Yellow	Air		3/5/2016 09:50	3/8/2016 10:15	
1603282-06	MVH030516-Summa	Air		3/5/2016 09:50	3/8/2016 10:15	

Client: Pennsylvania DEP Bureau of Air Quality Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Analytical Results

Lab ID: 1603282-01A **Collection Date:** 3/5/2016 9:50:00 AM

Client Sample ID: MVH030516-1 / Red Matrix: AIR

Analyses

AMMONIA BY NIOSH 6015 MOD.		Method: N6015	Air Volume (L): 96.078	Analyst: ALST
Date Analyzed: 3/17/2016		Reporting Limit		
	μg/sample	μg/sample	mg/m3	ppb
Ammonia	ND	1.2	<0.012	<18

Lab ID: 1603282-02A **Collection Date:** 3/5/2016 9:50:00 AM

Client Sample ID: MVH030516-2 / Blue Matrix: AIR

Analyses

ALDEHYDES BY HPLC		Method: ETO-11	Air Volume (L): 215.1	Analyst: JMB
Date Analyzed: 3/9/2016 11:10		Reporting Limit		
	μg/sample	μg/sample	mg/m3	ppb
Acetaldehyde	0.87	0.20	0.0041	2.3
Acrolein	ND	10	<0.046	<20
Formaldehyde	0.22	0.20	0.0010	0.83

Lab ID: 1603282-03A **Collection Date:** 3/5/2016 9:50:00 AM

Client Sample ID: MVH030516-3 / Green Matrix: AIR

Analyses

METHANOL BY NIOSH 2000 MOD.		Method: N2000	Air Volume (L): 7.17	Analyst: TSA
Date Analyzed: 3/9/2016		Reporting Limit		
	μg/sample	μg/sample	mg/m3	ppb
Methanol	ND	10	<1.4	<1,100

Lab ID: 1603282-04A **Collection Date:** 3/5/2016 9:50:00 AM

Client Sample ID: MVH030516-4 / Orange Matrix: AIR

Analyses

METHYLAMINE BY OSHA 40		Method: O40	Air Volume (L): 10.039	Analyst: MHW
Date Analyzed: 3/31/2016		Reporting Limit		
	μg/sample	μg/sample	mg/m3	ppb
Methylamine	ND	3.0	<0.30	<240

Note:

Client: Pennsylvania DEP Bureau of Air Quality Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Analytical Results

Lab ID: 1603282-05A **Collection Date:** 3/5/2016 9:50:00 AM

Client Sample ID: MVH030516-5 / Yellow Matrix: AIR

Analyses

AMINE(S) BY OSHA PV2060 MOD.		Method: O2060	Air Volume (L): 21.51	Analyst: MHW
Date Analyzed: 3/8/2016		Reporting Limit		
	µg/sample	μg/sample	mg/m3	ppb
Triethylamine	ND	10	<0.46	<110

Note:

Client: Pennsylvania DEP Bureau of Air Quality

Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Batch ID: 343	Instrument ID: 0	GC5		Metho	d: O2060							
MBLK Client ID:	Sample ID: MBLK-34330-343		: GC5_1	E0306 V			nits: µg/sar No: 12375 (Analysi: Prep Date: 3/8	s Date: 3/8/	2016 DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	beqi	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Triethylamine		ND	10									
LCS Client ID:	Sample ID: LCS-34330-3433		: GC5_1	60308A	5		nits: µg/sar No: 12375 0	•	Analysi Prep Date: 3/8	s Date: 3/8/ 3/2016	2016 DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Triethylamine		95.6	10	90.75		0	105	70-130	(0		
LCSD Client ID:	Sample ID: LCSD-34330-343		: GC5_1	60308A	5		nits: µg/sar No: 12375 2		Analysi Prep Date: 3/8	s Date: 3/8/ 3/2016	2016 DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Triethylamine		100.3	10	90.75		0	111	70-130	95.0	6 4.79	20	
The following	g samples were analyzed in th	nis batch:	16	603282-05A								

Pennsylvania DEP Bureau of Air Quality Client:

Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Batch ID: 34	Instrument ID: GC	:1		Method	d: N2000							
MBLK	Sample ID: MBLK-34460-3446	0				Unit	ts: µg/sa	mple	Analysi	s Date: 3/9/	/2016	
Client ID:		Run ID:	Run ID: GC1_160309E		5	SeqNo: 1241383		Prep Date: 3/9	9/2016	DF: 1		
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methanol		ND	10									
LCS	Sample ID: LCS-34460-34460					Unit	ts: µg/sa	mple	Analysi	s Date: 3/9/	/2016	
Client ID:		Run ID:	GC1_16	60309B	5	SeqN	o: 12413	84	Prep Date: 3/9	9/2016	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methanol		73.2	10	79.1		0	92.5	64.1-145	;	0		
LCSD	Sample ID: LCSD-34460-34460)				Unit	ts: µg/sa	mple	Analysi	s Date: 3/9/	/2016	
Client ID:		Run ID:	GC1_16	60309B	5	SeqN	o: 12413	92	Prep Date: 3/9	9/2016	DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value		%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methanol		68.2	10	79.1		0	86.2	64.1-145	73.	2 7.07	20	
The following	ng samples were analyzed in this	batch:	16	603282-03A								

QC BATCH REPORT

Client: Pennsylvania DEP Bureau of Air Quality

Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Batch ID: 34334	Instrument ID: HPLC1									
MBLK Sample ID: Client ID:	MBLK-34334-34334 Rur	n ID: HPLC1	_160309B		nits: µg/sa i No: 12409		Analysis Prep Date: 3/9/2	Date: 3/9/2	2016 08:1! DF: 1	5 PM
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Acetaldehyde	0.24	0.20								
Formaldehyde	ND	0.20								
MBLK Sample ID:	MBLK-34334-34334			Ur	nits: µg/saı	mple	Analysis	Date: 3/9/ 2	2016 11:10) AM
Client ID:	Rur	ID: HPLC1	_160309C		No: 12446		Prep Date: 3/9/2	2016	DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qua
Acetaldehyde	0.228	0.20								
Formaldehyde	ND	0.20								
LCS Sample ID: Client ID:	LCS-34334-34334 Rur	n ID: HPLC1	_160309B		nits: µg/sa i No: 12409		Analysis Prep Date: 3/9/2	Date: 3/9/2 2016	2016 08:1 ! DF: 1	5 PM
	D #			SPK Ref		Control	RPD Ref		RPD Limit	Qua
Analyte	Result	PQL	SPK Val	Value	%REC	Limit	Value	%RPD	LIIIII	Qua
•	1.787	PQL 0.20	SPK Val	Value 0	%REC 89.4	70-130	value 0	%RPD	LIIIII	Qua
Analyte Acetaldehyde Formaldehyde								%RPD	Lillit	Qua
Acetaldehyde Formaldehyde LCS Sample ID:	1.787 2.033 LCS-34334-34334	0.20	2 2	0 0 Ur	89.4	70-130 70-130 mple	0	Date: 3/9/ 2		
Acetaldehyde Formaldehyde	1.787 2.033 LCS-34334-34334	0.20 0.20	2 2	0 0 Ur	89.4 102 nits: µg/sa i	70-130 70-130 mple	0 0 Analysis	Date: 3/9/ 2	2016 11:10	
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte	1.787 2.033 LCS-34334-34334 Rur	0.20 0.20	_160309C	0 0 Ur Seq	89.4 102 nits: µg/sar No: 12446	70-130 70-130 mple 24 Control	0 0 Analysis Prep Date: 3/9/2 RPD Ref	Date: 3/9/2	2016 11:10 DF: 1 RPD) AM
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde	1.787 2.033 LCS-34334-34334 Rur Result	0.20 0.20 n ID: HPLC1 PQL	2 2 2 _ 160309C SPK Val	0 0 Ur Seq SPK Ref Value	89.4 102 nits: µg/sar No: 12446	70-130 70-130 mple 24 Control Limit	0 0 Analysis Prep Date: 3/9/2 RPD Ref Value	Date: 3/9/2	2016 11:10 DF: 1 RPD) AM
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde	1.787 2.033 LCS-34334-34334 Rur Result 1.787 2.033 	0.20 0.20 n ID: HPLC1 PQL 0.20	2 2 2 _160309C SPK Val 2 2	0 0 Ur Seq SPK Ref Value	89.4 102 nits: µg/sar No: 12446 %REC 89.4	70-130 70-130 mple 24 Control Limit 70-130 70-130	O O Analysis Prep Date: 3/9/2 RPD Ref Value O O	Date: 3/9/ 2 016 %RPD Date: 3/9/ 2	2016 11:1(DF: 1 RPD Limit	D AM Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID: Client ID:	1.787 2.033 LCS-34334-34334 Rur Result 1.787 2.033 LCSD-34334-34334	0.20 0.20 n ID: HPLC1 PQL 0.20 0.20	2 2 2 _160309C SPK Val 2 2	0 0 Ur Seq SPK Ref Value	89.4 102 nits: µg/sai No: 12446 %REC 89.4 102 nits: µg/sai	70-130 70-130 mple 24 Control Limit 70-130 70-130	0 0 0 Analysis Prep Date: 3/9/2 RPD Ref Value 0 0 0	Date: 3/9/2 2016 %RPD Date: 3/9/2	2016 11:10 DF: 1 RPD Limit	Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID: Client ID: Analyte	1.787 2.033 LCS-34334-34334 Rur Result 1.787 2.033 LCSD-34334-34334 Rur Result	0.20 0.20 n ID: HPLC1 PQL 0.20 0.20	2 2 _160309C SPK Val 2 2 _160309B	O O Ur Seq SPK Ref Value O O Ur Seq SPK Ref Value	89.4 102 hits: µg/sai No: 12446 %REC 89.4 102 hits: µg/sai No: 12409	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control Limit	Analysis Prep Date: 3/9/2 RPD Ref Value 0 0 Analysis Prep Date: 3/9/2 RPD Ref Value	Date: 3/9/2 2016 %RPD Date: 3/9/2 2016 %RPD	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1 RPD Limit	Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID:	1.787 2.033 LCS-34334-34334 Rur Result 1.787 2.033 LCSD-34334-34334	0.20 0.20 n ID: HPLC1 PQL 0.20 0.20	2 2 2 _160309C SPK Val 2 2	0 0 Ur Seq SPK Ref Value 0 0 Ur Seq SPK Ref	89.4 102 nits: µg/sai No: 12446 %REC 89.4 102 nits: µg/sai	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control	O O O Analysis Prep Date: 3/9/2 RPD Ref Value O O Analysis Prep Date: 3/9/2 RPD Ref	Date: 3/9/2 2016 %RPD Date: 3/9/2	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1	D AM Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde LCSD Sample ID: Client ID: Analyte Acetaldehyde Acetaldehyde Acetaldehyde Formaldehyde Formaldehyde Formaldehyde	1.787 2.033 LCS-34334-34334 Result 1.787 2.033 LCSD-34334-34334 Rur Result 1.779	0.20 0.20 n ID: HPLC1 0.20 0.20 n ID: HPLC1 PQL 0.20	2 2 2 _160309C SPK Val 2 2 SPK Val 2	O O O Ur Seq SPK Ref Value O O Seq SPK Ref Value O O O	89.4 102 hits: µg/sai No: 12446 %REC 89.4 102 hits: µg/sai No: 12409 %REC	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control Limit 70-130 70-130	Analysis Prep Date: 3/9/2 RPD Ref Value O Analysis Prep Date: 3/9/2 RPD Ref Value 1.787 2.033	Date: 3/9/2 2016 %RPD Date: 3/9/2 2016 %RPD 0.449	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1 RPD Limit 20 20	Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde Acetaldehyde Sample ID: Sample ID: Client ID: Analyte Acetaldehyde Sample ID:	1.787 2.033 LCS-34334-34334 Result 1.787 2.033 LCSD-34334-34334 Rur Result 1.779 2.088 LCSD-34334-34334	0.20 0.20 n ID: HPLC1 0.20 0.20 n ID: HPLC1 PQL 0.20	2 2 2 _160309C SPK Val 2 2 SPK Val 2 2	O O O Ur Seq SPK Ref Value O O Ur Seq SPK Ref Value O O Ur	89.4 102 nits: µg/sai No: 12446 %REC 89.4 102 nits: µg/sai No: 12409 %REC 89 104	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control Limit 70-130 mple 24 control Limit	Analysis Prep Date: 3/9/2 RPD Ref Value O Analysis Prep Date: 3/9/2 RPD Ref Value 1.787 2.033	Date: 3/9/2 2016 %RPD Date: 3/9/2 2016 %RPD 0.449 2.67 Date: 3/9/2	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1 RPD Limit 20 20	Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID: Client ID: Analyte Acetaldehyde Formaldehyde LCSD Sample ID: Client ID: Client ID: Client ID:	1.787 2.033 LCS-34334-34334 Result 1.787 2.033 LCSD-34334-34334 Rur Result 1.779 2.088 LCSD-34334-34334	0.20 0.20 n ID: HPLC1 0.20 0.20 n ID: HPLC1 PQL 0.20 0.20	2 2 2 _160309C SPK Val 2 2 SPK Val 2 2	O O O Ur Seq SPK Ref Value O O Ur Seq SPK Ref Value O O Ur	89.4 102 nits: µg/san No: 12446 %REC 89.4 102 nits: µg/san %REC 89 104	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control Limit 70-130 mple 24 control Limit	Analysis Prep Date: 3/9/2 RPD Ref Value Analysis Prep Date: 3/9/2 RPD Ref Value 1.787 2.033 Analysis	Date: 3/9/2 2016 %RPD Date: 3/9/2 2016 %RPD 0.449 2.67 Date: 3/9/2	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1 RPD Limit 20 20	Qua
Acetaldehyde Formaldehyde LCS Sample ID: Client ID: Analyte Acetaldehyde LCSD Sample ID: Client ID: Analyte Acetaldehyde Acetaldehyde Acetaldehyde Formaldehyde Formaldehyde Formaldehyde	1.787 2.033 LCS-34334-34334 Result 1.787 2.033 LCSD-34334-34334 Rur Result 1.779 2.088 LCSD-34334-34334 Rur	0.20 0.20 0.20 0.1D: HPLC1 0.20 0.20 0.20	2 2 2 _160309C SPK Val 2 2 SPK Val 2 2	O O O Ur Seq SPK Ref Value O O Ur Seq SPK Ref Value O O O Ur Seq SPK Ref	89.4 102 nits: µg/san No: 12446 %REC 89.4 102 nits: µg/san No: 12409	70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 24 Control Limit 70-130 70-130 mple 38 Control	Analysis Prep Date: 3/9/2 RPD Ref Value O Analysis Prep Date: 3/9/2 RPD Ref Value 1.787 2.033 Analysis Prep Date: 3/9/2 RPD Ref Example 1.787 2.033	Date: 3/9/2 2016 %RPD Date: 3/9/2 2016 %RPD 0.449 2.67 Date: 3/9/2	2016 11:10 DF: 1 RPD Limit 2016 08:19 DF: 1 RPD Limit 20 20 2016 11:10 RPD RPD	Qua

Note:

Client: Pennsylvania DEP Bureau of Air Quality

Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Batch ID: R1	27512 Instrur	ment ID: HPLC1		Metho	d: O40						
MBLK	Sample ID: MB-R12	7512-R127512				Units: µg/sar	mple	Analys	is Date: 3/31	/2016	
Client ID:		Run ID	HPLC1	_160331A	Se	eqNo: 12528 ′	16	Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methylamine		ND	3.0								
LCS	Sample ID: LCS-R1	27512-R127512				Units: µg/sar	nple	Analys	is Date: 3/31	/2016	
Client ID:		Run ID	HPLC1	_160331A		eqNo: 12528		Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methylamine		8.315	3.0	7.44	(0 112	70-130		0		
LCSD	Sample ID: LCSD-R	127512-R127512				Units: µg/sar	nple	Analys	is Date: 3/31	/2016	
Client ID:		Run ID	HPLC1	_160331A	Se	eqNo: 12528 :	38	Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Methylamine		4.542	3.0	7.44	(0 61	70-130	8.31	5 58.7	20	SR

Client: Pennsylvania DEP Bureau of Air Quality

Work Order: 1603282

Project: Mid Valley High School (MVH)- 03/05/16

Batch ID: R	127145 Instrument ID: §	SUB		Metho	d: N6015						
MBLK Client ID:	Sample ID: MB-R127145-R12		ID: SUB_1 (603171		Units: µg/sa		Analys	sis Date: 3/1	7/2016 DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control	RPD Ref Value	%RPD	RPD Limit	Qual
Ammonia		ND	1.2								
LCS	Sample ID: LCS-R127145-R1	127145				Units: µg/sa	mple	Analys	sis Date: 3/1	7/2016	
Client ID:		Run	ID: SUB_1	60317I	Se	eqNo: 12460	79	Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ammonia		23.1	1.2	24.3	(0 95.1	74.3-115.	2	0		
LCSD	Sample ID: LCSD-R127145					Units: µg/sa	mple	Analys	sis Date: 3/1	7/2016	
Client ID:		Run	ID: SUB_1	60317I	Se	eqNo: 12460	087	Prep Date:		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Client: Pennsylvania DEP Bureau of Air Quality QUALIFIERS, ACRONYMS, UNITS Mid Valley High School (MVH)- 03/05/16 **Project:**

WorkOrder: 1603282

Qualifier	Description							
*	Value exceeds Regulatory Limit							
a	Not accredited							
В	Analyte detected in the associated Method Blank above the Reporting Limit							
Е	Value above quantitation range							
Н	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	<u> </u>							

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 $\mu \text{g/sample}$ ppbv ppm

ALS Environmental

Sample Receipt Checklist

Work Order: PADEP-HARRISBURG 1603282				Date/Time Received: <u>08-Mar-16 10:15</u>								
				Received by: SNH								
Checklist comple		Stephanie H arring	ton	08-Mar-16	<u>; </u>	Reviewed by:		Nieman				09-Mar-16
		eSignature		Date			eSigna	ture			J	Date
Matrices: Carrier name:	<u>FedEx</u>	2										
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	V	No 🗌	Not	Present					
Chain of custody present?			Yes	V	No 🗌							
Chain of custody signed when relinquished and received?		ceived?	Yes	V	No 🗌							
Chain of custody agrees with sample labels?			Yes	V	No 🗌							
Samples in proper container/bottle?			Yes	✓	No 🗌							
Sample containers intact?			Yes	✓	No 🗌							
Sufficient sample volume for indicated test?			Yes	V	No 🗌							
All samples received within holding time?			Yes	✓	No 🗌							
Container/Temp Blank temperature in compliance?		?	Yes	✓	No 🗌							
Temperature(s)/	Thermon	neter(s):		<u>7.5</u>								
Cooler(s)/Kit(s):												
Water - VOA vials have zero headspace?				Yes		No 🗌	No VO	A vials sub	mitted	✓		
Water - pH acceptable upon receipt?				Yes		No 🗌	N/A	✓				
pH adjusted? pH adjusted by:			Yes		No 🗌	N/A	✓					
Login Notes:												
Client Contacted: Date Contacted		:		Person	Contact	ed:						
Contacted By:			Regarding:									
Comments:												
Comments.												
Corrective A ati-	o:											
CorrectiveAction										0.	DO E	4