



15-Sep-2017

John Prusiecki
U.S. Steel - Gary Works
1 North Broadway
Mail Station 70
Gary, IN 46402

Re: **(USS-GARY) CAMU SPRAY 9.13.17**

Work Order: **1709683**

Dear John,

ALS Environmental received 4 samples on 13-Sep-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.

Sample results are compliant with industry accepted practices and Quality Control results achieved 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.

The total number of pages in this report is 13.

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

Sincerely,

A handwritten signature in black ink that reads "Amanda Grzybowski".

Electronically approved by: Amanda Grzybowski

Amanda Grzybowski
Project Manager

Certificate No: MN 998501

Report of Laboratory Analysis

ADDRESS 3352 128th Ave Holland, Michigan 49424 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

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RIGHT SOLUTIONS RIGHT PARTNER

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Work Order: 1709683

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>
1709683-01	CAMU Spray Influent - Grab	Aqueous		9/13/2017 10:30	9/14/2017 10:08	<input type="checkbox"/>
1709683-01	CAMU Spray Influent - Grab	Aqueous		9/13/2017 10:30	9/15/2017 08:30	<input type="checkbox"/>
1709683-02	CAMU Spray Middle - Grab	Aqueous		9/13/2017 10:25	9/14/2017 10:08	<input type="checkbox"/>
1709683-02	CAMU Spray Middle - Grab	Aqueous		9/13/2017 10:25	9/15/2017 08:30	<input type="checkbox"/>
1709683-03	CAMU Spray Effluent - Grab	Aqueous		9/13/2017 10:20	9/14/2017 10:08	<input type="checkbox"/>
1709683-03	CAMU Spray Effluent - Grab	Aqueous		9/13/2017 10:20	9/15/2017 08:30	<input type="checkbox"/>
1709683-04	CAMU Spray Trip Blank	Aqueous		9/13/2017 09:30	9/15/2017 08:30	<input type="checkbox"/>

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Work Order: 1709683

Case Narrative

Batch R220119, Method VOC_8260_W, Sample 1709683-02A: A surrogate was low in the sample.

ALS Environmental
2400 Cumberland Drive
Valparaiso, IN 46383
(219) 299-8127

The following parameters were received and analyzed at the ALS Valparaiso facility under Florida NELAP certification ID# E871119:

Ammonia by EPA 350.1 / SM4500-NH3 G

ALS Group, USA

Date: 15-Sep-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 9/13/2017 10:30 AM

Work Order: 1709683
Lab ID: 1709683-01
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: JH
Ammonia as Nitrogen	8.62		0.0980	0.320	mg NH3-N/L	10	9/14/2017 14:21
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	1,900		30	100	µg/L	100	9/15/2017 14:45
Ethylbenzene	28		4.0	10	µg/L	10	9/15/2017 15:20
m,p-Xylene	39		9.8	20	µg/L	10	9/15/2017 15:20
Naphthalene	2,300		18	500	µg/L	100	9/15/2017 14:45
o-Xylene	20		3.5	10	µg/L	10	9/15/2017 15:20
Toluene	30		3.7	10	µg/L	10	9/15/2017 15:20
Xylenes, Total	59		13	30	µg/L	10	9/15/2017 15:20
Surr: 1,2-Dichloroethane-d4	94.9			75-120	%REC	100	9/15/2017 14:45
Surr: 1,2-Dichloroethane-d4	97.1			75-120	%REC	10	9/15/2017 15:20
Surr: 4-Bromofluorobenzene	98.0			80-110	%REC	100	9/15/2017 14:45
Surr: 4-Bromofluorobenzene	99.2			80-110	%REC	10	9/15/2017 15:20
Surr: Dibromofluoromethane	89.6			85-115	%REC	100	9/15/2017 14:45
Surr: Dibromofluoromethane	95.4			85-115	%REC	10	9/15/2017 15:20
Surr: Toluene-d8	94.8			85-110	%REC	100	9/15/2017 14:45
Surr: Toluene-d8	94.0			85-110	%REC	10	9/15/2017 15:20

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 15-Sep-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 9/13/2017 10:25 AM

Work Order: 1709683
Lab ID: 1709683-02
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: JH
Ammonia as Nitrogen	8.70		0.0980	0.320	mg NH3-N/L	10	9/14/2017 14:22
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	610		4.2	10	µg/L	10	9/15/2017 15:38
Ethylbenzene	3.3		0.40	1.0	µg/L	1	9/15/2017 14:54
m,p-Xylene	3.6		0.98	2.0	µg/L	1	9/15/2017 14:54
Naphthalene	85		0.18	5.0	µg/L	1	9/15/2017 14:54
o-Xylene	2.4		0.35	1.0	µg/L	1	9/15/2017 14:54
Toluene	4.6		0.37	1.0	µg/L	1	9/15/2017 14:54
Xylenes, Total	5.9		1.3	3.0	µg/L	1	9/15/2017 14:54
Surr: 1,2-Dichloroethane-d4	99.1			75-120	%REC	1	9/15/2017 14:54
Surr: 1,2-Dichloroethane-d4	95.2			75-120	%REC	10	9/15/2017 15:38
Surr: 4-Bromofluorobenzene	94.2			80-110	%REC	1	9/15/2017 14:54
Surr: 4-Bromofluorobenzene	97.8			80-110	%REC	10	9/15/2017 15:38
Surr: Dibromofluoromethane	87.4			85-115	%REC	1	9/15/2017 14:54
Surr: Dibromofluoromethane	83.9	S		85-115	%REC	10	9/15/2017 15:38
Surr: Toluene-d8	92.2			85-110	%REC	1	9/15/2017 14:54
Surr: Toluene-d8	95.8			85-110	%REC	10	9/15/2017 15:38

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 15-Sep-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 9/13/2017 10:20 AM

Work Order: 1709683
Lab ID: 1709683-03
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: JH
Ammonia as Nitrogen	8.69		0.0980	0.320	mg NH3-N/L	10	9/14/2017 14:24
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	0.93	J	0.30	1.0	µg/L	1	9/15/2017 14:18
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	9/15/2017 14:18
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	9/15/2017 14:18
Naphthalene	< 5.0		0.18	5.0	µg/L	1	9/15/2017 14:18
o-Xylene	< 1.0		0.35	1.0	µg/L	1	9/15/2017 14:18
Toluene	< 1.0		0.37	1.0	µg/L	1	9/15/2017 14:18
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	9/15/2017 14:18
Surr: 1,2-Dichloroethane-d4	94.8			75-120	%REC	1	9/15/2017 14:18
Surr: 4-Bromofluorobenzene	98.2			80-110	%REC	1	9/15/2017 14:18
Surr: Dibromofluoromethane	90.2			85-115	%REC	1	9/15/2017 14:18
Surr: Toluene-d8	95.0			85-110	%REC	1	9/15/2017 14:18

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 15-Sep-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 9/13/2017 09:30 AM

Work Order: 1709683
Lab ID: 1709683-04
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			Method: SW8260B			Analyst: BG	
Benzene	< 1.0		0.30	1.0	µg/L	1	9/15/2017 13:51
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	9/15/2017 13:51
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	9/15/2017 13:51
Naphthalene	< 5.0		0.18	5.0	µg/L	1	9/15/2017 13:51
o-Xylene	< 1.0		0.35	1.0	µg/L	1	9/15/2017 13:51
Toluene	< 1.0		0.37	1.0	µg/L	1	9/15/2017 13:51
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	9/15/2017 13:51
Surr: 1,2-Dichloroethane-d4	97.1			75-120	%REC	1	9/15/2017 13:51
Surr: 4-Bromofluorobenzene	97.2			80-110	%REC	1	9/15/2017 13:51
Surr: Dibromofluoromethane	91.1			85-115	%REC	1	9/15/2017 13:51
Surr: Toluene-d8	95.6			85-110	%REC	1	9/15/2017 13:51

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 9.13.17
WorkOrder: 1709683

QUALIFIERS, ACRONYMS, UNITS

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-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 is present at an estimated concentration between the MDL and Report Limit
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
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
µg/L	Micrograms per Liter
mg NH ₃ -N/L	Milligrams Ammonia-Nitrogen per Liter

Client: U.S. Steel - Gary Works

QC BATCH REPORT

Work Order: 1709683

Project: (USS-GARY) CAMU SPRAY 9.13.17

Batch ID: R220069

Instrument ID VAL-LACHAT

Method: E350.1 R2.0

MBLK		Sample ID: MBLK-R220069				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:18 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639369		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen U 0.032

LCS		Sample ID: LCS-R220069				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:20 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639370		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 0.1992 0.032 0.2 0 99.6 90-110 0

MS		Sample ID: 1709671-02A MS				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:34 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639382		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 31.78 1.6 10 22.57 92.2 90-110 0

MS		Sample ID: 1709767-02A MS				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:44 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639394		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 34.34 1.6 10 24.74 96 90-110 0

MSD		Sample ID: 1709671-02A MSD				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:35 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639384		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 31.8 1.6 10 22.57 92.4 90-110 31.78 0.0629 20

MSD		Sample ID: 1709767-02A MSD				Units: mg NH3-N/L		Analysis Date: 9/14/2017 02:45 PM		
Client ID:		Run ID: VAL-LACHAT_170914A				SeqNo: 4639395		Prep Date:		DF: 50
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 34.2 1.6 10 24.74 94.5 90-110 34.34 0.438 20

The following samples were analyzed in this batch:

1709683-01B 1709683-02B 1709683-03B

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

Client: U.S. Steel - Gary Works
 Work Order: 1709683
 Project: (USS-GARY) CAMU SPRAY 9.13.17

QC BATCH REPORT

Batch ID: **R220119** Instrument ID **VMS6** Method: **SW8260B**

MBLK		Sample ID: VLKW1-170915-R220119				Units: µg/L		Analysis Date: 9/15/2017 12:22 PM		
Client ID:		Run ID: VMS6_170915A				SeqNo: 4641172		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Naphthalene	U	5.0								
o-Xylene	U	1.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	18.92	0	20	0	94.6	75-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	19.23	0	20	0	96.2	80-110	0			
<i>Surr: Dibromofluoromethane</i>	17.71	0	20	0	88.6	85-115	0			
<i>Surr: Toluene-d8</i>	18.87	0	20	0	94.4	85-110	0			

LCS		Sample ID: VLCSW1-170915-R220119				Units: µg/L		Analysis Date: 9/15/2017 11:03 AM		
Client ID:		Run ID: VMS6_170915A				SeqNo: 4641171		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.85	1.0	20	0	104	85-125	0			
Ethylbenzene	18.11	1.0	20	0	90.6	85-125	0			
m,p-Xylene	36.36	2.0	40	0	90.9	75-130	0			
Naphthalene	15.65	5.0	20	0	78.2	55-160	0			
o-Xylene	18.07	1.0	20	0	90.4	80-125	0			
Toluene	19.21	1.0	20	0	96	85-125	0			
Xylenes, Total	54.43	3.0	60	0	90.7	80-126	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	18.59	0	20	0	93	75-120	0			
<i>Surr: 4-Bromofluorobenzene</i>	20.06	0	20	0	100	80-110	0			
<i>Surr: Dibromofluoromethane</i>	18.65	0	20	0	93.2	85-115	0			
<i>Surr: Toluene-d8</i>	19.36	0	20	0	96.8	85-110	0			

The following samples were analyzed in this batch:

1709683-01A	1709683-02A	1709683-03A
1709683-04A		

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

Client: U.S. Steel - Gary Works
 Work Order: 1709683
 Project: (USS-GARY) CAMU SPRAY 9.13.17

QC BATCH REPORT

Batch ID: **R220135** Instrument ID **VMS5** Method: **SW8260B**

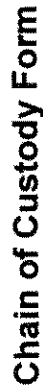
MBLK		Sample ID: VLKW1-170915-R220135				Units: µg/L		Analysis Date: 9/15/2017 02:01 PM		
Client ID:		Run ID: VMS5_170915A				SeqNo: 4641177		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethylbenzene	U	1.0								
m,p-Xylene	U	2.0								
Naphthalene	U	5.0								
o-Xylene	U	1.0								
Toluene	U	1.0								
Xylenes, Total	U	3.0								
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>19.28</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>96.4</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>19.19</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>96</i>	<i>80-110</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>19.84</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>99.2</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>18.47</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>92.4</i>	<i>85-110</i>	<i>0</i>			

LCS		Sample ID: VLCSW1-170915-R220135				Units: µg/L		Analysis Date: 9/15/2017 12:43 PM		
Client ID:		Run ID: VMS5_170915A				SeqNo: 4641176		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethylbenzene	19	1.0	20	0	95	85-125	0			
m,p-Xylene	38.29	2.0	40	0	95.7	75-130	0			
Naphthalene	16.6	5.0	20	0	83	55-160	0			
o-Xylene	18.87	1.0	20	0	94.4	80-125	0			
Toluene	19.11	1.0	20	0	95.6	85-125	0			
Xylenes, Total	57.16	3.0	60	0	95.3	80-126	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>19.35</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>96.8</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>20.55</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>103</i>	<i>80-110</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>19.24</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>96.2</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>19.04</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>95.2</i>	<i>85-110</i>	<i>0</i>			

The following samples were analyzed in this batch:

1709683-01A 1709683-02A

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



ALS Environmental
3352 128th Avenue
Holland, Michigan 49424
(Tel) 616.399.6070
(Fax) 616.399.6185

Page 1 of 1

Customer Information		Project Information		ALS Project Manager: Amanda Grzybowski		ALS Work Order #: 1709683											
Purchase Order		Project Name		BTEX 8260B, Naphthalene 8260B		Parameter/Method Request for Analysis											
Work Order		Project Number		A													
Company Name		Bill To Company		B													
Send Report To		Invoice Attn.		C													
Address		Address		D													
City/State/Zip		City/State/Zip		E													
Phone		Phone		F													
Fax		Fax		G													
e-Mail Address		e-Mail Address		H													
				I													
				J													
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CAMU Spray Influent [Grab]	9/13/17	1030	AQ	1	3	X										
2	CAMU Spray Influent [Grab]	9/13/17	1030	AQ	3	1		X									
3																	
4	CAMU Spray Middle [Grab]	9/13/17	1025	AQ	1	3	X										
5	CAMU Spray Middle [Grab]	9/13/17	1025	AQ	3	1		X									
6																	
7	CAMU Spray Effluent [Grab]	9/13/17	1020	AQ	1	3	X										
8	CAMU Spray Effluent [Grab]	9/13/17	1020	AQ	3	1		X									
9																	
10	CAMU Spray Trip Blank	9/13/17	0930	AQ	1	1	X										
11																	
12																	
13																	
14																	
15																	

Sampler(s): Please Print & Sign		Shipment Method:		Required Turnaround Time: (Check Box)		Results Due Date:	
Date: 9/13/17		ALS		<input type="checkbox"/> 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 3 Wk Days <input checked="" type="checkbox"/> 24 Hour			
Relinquished by: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Time: 9/14/17		Notes: add H2SO4 to N10 bottles	
Relinquished by: <i>[Signature]</i>		Received by: <i>[Signature]</i>		Time: 9/15/17		QC Package: (Check Box Below)	
Time: 1008		Time: 1008		Time: 1008		<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRRP LAC <input type="checkbox"/> TRRP Level IV	
Time: 1008		Time: 1008		Time: 1008		<input type="checkbox"/> Level IV: SWS46 Methods/CLP like <input type="checkbox"/> Other:	
Logged by (Laboratory):		Checked by (Laboratory):		ALS Cooler ID		Cooler Temp	
				H2		1.3	
						2.0	

Preservative Key: 1-HCl	2-HNO ₃	3-H ₂ SO ₄	4-NaOH	5-Na ₂ S ₂ O ₃	6-NaHSO ₄	7-Other	8-4°C	Note: Any charges must be made in writing once samples and COC have been submitted to ALS Laboratory Group
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Sample Receipt Checklist

Client Name: USS-GARY

Date/Time Received: 13-Sep-17 00:00

Work Order: 1709683

Received by: JH

Checklist completed by Diane Shaw 15-Sep-17
eSignature Date

Reviewed by: Amanda Przybowski 15-Sep-17
eSignature Date

Matrices: Aqueous

Carrier name: ALSHN

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>1.3</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>9/14/17 10:08</u>		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:			

Login Notes: Holland - 2.0/2.0 c SR2

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: