



30-Jun-2017

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

Re: **(USS-GARY) CAMU SPRAY 6.28.17**

Work Order: **17061698**

Dear John,

ALS Environmental received 4 samples on 29-Jun-2017 09:30 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.

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 

[www.alsglobal.com](http://www.alsglobal.com)

RIGHT SOLUTIONS RIGHT PARTNER

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Work Order:** 17061698

**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>
17061698-01	CAMU Spray Influent - Grab	Aqueous		6/28/2017 10:30	6/29/2017 09:30	<input type="checkbox"/>
17061698-01	CAMU Spray Influent - Grab	Aqueous		6/28/2017 10:30	6/29/2017 10:00	<input type="checkbox"/>
17061698-02	CAMU Spray Middle - Grab	Aqueous		6/28/2017 10:33	6/29/2017 09:30	<input type="checkbox"/>
17061698-02	CAMU Spray Middle - Grab	Aqueous		6/28/2017 10:33	6/29/2017 10:00	<input type="checkbox"/>
17061698-03	CAMU Spray Effluent - Grab	Aqueous		6/28/2017 10:36	6/29/2017 09:30	<input type="checkbox"/>
17061698-03	CAMU Spray Effluent - Grab	Aqueous		6/28/2017 10:36	6/29/2017 10:00	<input type="checkbox"/>
17061698-04	CAMU Spray Trip Blank	Aqueous		6/28/2017 09:40	6/29/2017 09:30	<input type="checkbox"/>

## ALS Group, USA

*Date: 30-Jun-17*

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**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Work Order:** 17061698

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## Case Narrative

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: 30-Jun-17

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Sample ID:** CAMU Spray Influent - Grab  
**Collection Date:** 6/28/2017 10:30 AM

**Work Order:** 17061698  
**Lab ID:** 17061698-01  
**Matrix:** AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>AMMONIA AS NITROGEN</b>							
			Method: E350.1 R2.0				Analyst: <b>CD</b>
Ammonia as Nitrogen	12.2		0.0400	0.320	mg NH3-N/L	10	6/29/2017 11:00
<b>VOLATILE ORGANIC COMPOUNDS</b>							
			Method: SW8260B				Analyst: <b>WH</b>
Benzene	2,400		30	100	µg/L	100	6/29/2017 14:14
Ethylbenzene	34		8.1	20	µg/L	20	6/29/2017 17:29
m,p-Xylene	56		20	40	µg/L	20	6/29/2017 17:29
Naphthalene	2,800		18	500	µg/L	100	6/29/2017 14:14
o-Xylene	23		7.1	20	µg/L	20	6/29/2017 17:29
Toluene	46		7.3	20	µg/L	20	6/29/2017 17:29
Xylenes, Total	79		27	60	µg/L	20	6/29/2017 17:29
Surr: 1,2-Dichloroethane-d4	108			75-120	%REC	100	6/29/2017 14:14
Surr: 1,2-Dichloroethane-d4	106			75-120	%REC	20	6/29/2017 17:29
Surr: 4-Bromofluorobenzene	94.9			80-110	%REC	100	6/29/2017 14:14
Surr: 4-Bromofluorobenzene	101			80-110	%REC	20	6/29/2017 17:29
Surr: Dibromofluoromethane	97.2			85-115	%REC	100	6/29/2017 14:14
Surr: Dibromofluoromethane	100			85-115	%REC	20	6/29/2017 17:29
Surr: Toluene-d8	102			85-110	%REC	100	6/29/2017 14:14
Surr: Toluene-d8	101			85-110	%REC	20	6/29/2017 17:29

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

# ALS Group, USA

Date: 30-Jun-17

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Sample ID:** CAMU Spray Middle - Grab  
**Collection Date:** 6/28/2017 10:33 AM

**Work Order:** 17061698  
**Lab ID:** 17061698-02  
**Matrix:** AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>AMMONIA AS NITROGEN</b>							
			Method: E350.1 R2.0				Analyst: <b>CD</b>
Ammonia as Nitrogen	12.4		0.0400	0.320	mg NH3-N/L	10	6/29/2017 11:01
<b>VOLATILE ORGANIC COMPOUNDS</b>							
			Method: SW8260B				Analyst: <b>WH</b>
Benzene	150		1.5	5.0	µg/L	5	6/29/2017 19:14
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/29/2017 13:53
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	6/29/2017 13:53
Naphthalene	0.58	J	0.18	5.0	µg/L	1	6/29/2017 13:53
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/29/2017 13:53
Toluene	0.60	J	0.37	1.0	µg/L	1	6/29/2017 13:53
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/29/2017 13:53
Surr: 1,2-Dichloroethane-d4	108			75-120	%REC	1	6/29/2017 13:53
Surr: 1,2-Dichloroethane-d4	104			75-120	%REC	5	6/29/2017 19:14
Surr: 4-Bromofluorobenzene	97.8			80-110	%REC	1	6/29/2017 13:53
Surr: 4-Bromofluorobenzene	98.1			80-110	%REC	5	6/29/2017 19:14
Surr: Dibromofluoromethane	97.2			85-115	%REC	1	6/29/2017 13:53
Surr: Dibromofluoromethane	94.9			85-115	%REC	5	6/29/2017 19:14
Surr: Toluene-d8	103			85-110	%REC	1	6/29/2017 13:53
Surr: Toluene-d8	104			85-110	%REC	5	6/29/2017 19:14

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

# ALS Group, USA

Date: 30-Jun-17

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Sample ID:** CAMU Spray Effluent - Grab  
**Collection Date:** 6/28/2017 10:36 AM

**Work Order:** 17061698  
**Lab ID:** 17061698-03  
**Matrix:** AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>AMMONIA AS NITROGEN</b>							
			Method: E350.1 R2.0				Analyst: <b>CD</b>
Ammonia as Nitrogen	12.5		0.0400	0.320	mg NH3-N/L	10	6/29/2017 11:03
<b>VOLATILE ORGANIC COMPOUNDS</b>							
			Method: SW8260B				Analyst: <b>WH</b>
Benzene	9.8		0.30	1.0	µg/L	1	6/29/2017 13:11
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/29/2017 13:11
m,p-Xylene	1.2	J	0.98	2.0	µg/L	1	6/29/2017 13:11
Naphthalene	0.48	J	0.18	5.0	µg/L	1	6/29/2017 13:11
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/29/2017 13:11
Toluene	< 1.0		0.37	1.0	µg/L	1	6/29/2017 13:11
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/29/2017 13:11
Surr: 1,2-Dichloroethane-d4	104			75-120	%REC	1	6/29/2017 13:11
Surr: 4-Bromofluorobenzene	96.9			80-110	%REC	1	6/29/2017 13:11
Surr: Dibromofluoromethane	96.2			85-115	%REC	1	6/29/2017 13:11
Surr: Toluene-d8	102			85-110	%REC	1	6/29/2017 13:11

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

**ALS Group, USA**

Date: 30-Jun-17

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**Sample ID:** CAMU Spray Trip Blank  
**Collection Date:** 6/28/2017 09:40 AM

**Work Order:** 17061698  
**Lab ID:** 17061698-04  
**Matrix:** AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
<b>VOLATILE ORGANIC COMPOUNDS</b>			Method: <b>SW8260B</b>			Analyst: <b>WH</b>	
Benzene	< 1.0		0.30	1.0	µg/L	1	6/29/2017 13:32
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/29/2017 13:32
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	6/29/2017 13:32
Naphthalene	< 5.0		0.18	5.0	µg/L	1	6/29/2017 13:32
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/29/2017 13:32
Toluene	< 1.0		0.37	1.0	µg/L	1	6/29/2017 13:32
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/29/2017 13:32
Surr: 1,2-Dichloroethane-d4	104			75-120	%REC	1	6/29/2017 13:32
Surr: 4-Bromofluorobenzene	98.6			80-110	%REC	1	6/29/2017 13:32
Surr: Dibromofluoromethane	98.0			85-115	%REC	1	6/29/2017 13:32
Surr: Toluene-d8	104			85-110	%REC	1	6/29/2017 13:32

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

**Client:** U.S. Steel - Gary Works  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17  
**WorkOrder:** 17061698

## **QUALIFIERS, ACRONYMS, UNITS**

<b><u>Qualifier</u></b>	<b><u>Description</u></b>
*	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.

<b><u>Acronym</u></b>	<b><u>Description</u></b>
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

<b><u>Units Reported</u></b>	<b><u>Description</u></b>
µg/L	Micrograms per Liter
mg NH3-N/L	Milligrams Ammonia-Nitrogen per Liter



**Client:** U.S. Steel - Gary Works  
**Work Order:** 17061698  
**Project:** (USS-GARY) CAMU SPRAY 6.28.17

**QC BATCH REPORT**

Batch ID: **R214893** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

<b>MBLK</b>		Sample ID: <b>MBLK-R214893</b>				Units: <b>mg NH3-N/L</b>		Analysis Date: <b>6/29/2017 10:58 AM</b>		
Client ID:		Run ID: <b>VAL-LACHAT_170629A</b>				SeqNo: <b>4508194</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen U 0.032

<b>LCS</b>		Sample ID: <b>LCS-R214893</b>				Units: <b>mg NH3-N/L</b>		Analysis Date: <b>6/29/2017 10:59 AM</b>		
Client ID:		Run ID: <b>VAL-LACHAT_170629A</b>				SeqNo: <b>4508195</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 0.199 0.032 0.2 0 99.5 90-110 0

<b>MS</b>		Sample ID: <b>17061708-01A MS</b>				Units: <b>mg NH3-N/L</b>		Analysis Date: <b>6/29/2017 11:06 AM</b>		
Client ID:		Run ID: <b>VAL-LACHAT_170629A</b>				SeqNo: <b>4508201</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 0.1951 0.032 0.2 0.0234 85.8 90-110 0 S

<b>MSD</b>		Sample ID: <b>17061708-01A MSD</b>				Units: <b>mg NH3-N/L</b>		Analysis Date: <b>6/29/2017 11:07 AM</b>		
Client ID:		Run ID: <b>VAL-LACHAT_170629A</b>				SeqNo: <b>4508202</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 0.1954 0.032 0.2 0.0234 86 90-110 0.1951 0.154 20 S

The following samples were analyzed in this batch:

17061698-01B	17061698-02B	17061698-03B
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Client: U.S. Steel - Gary Works  
 Work Order: 17061698  
 Project: (USS-GARY) CAMU SPRAY 6.28.17

## QC BATCH REPORT

Batch ID: **R214884** Instrument ID **VMS7** Method: **SW8260B**

<b>MBLK</b>		Sample ID: <b>VBLKW1-170629-R214884</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/29/2017 11:31 AM</b>		
Client ID:		Run ID: <b>VMS7_170629A</b>				SeqNo: <b>4510364</b>		Prep Date:		DF: <b>1</b>
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								
Surr: 1,2-Dichloroethane-d4	20.88	0	20	0	104	75-120	0			
Surr: 4-Bromofluorobenzene	18.93	0	20	0	94.6	80-110	0			
Surr: Dibromofluoromethane	19.28	0	20	0	96.4	85-115	0			
Surr: Toluene-d8	20.4	0	20	0	102	85-110	0			

<b>LCS</b>		Sample ID: <b>VLCSW1-170629-R214884</b>				Units: <b>µg/L</b>		Analysis Date: <b>6/29/2017 10:33 AM</b>		
Client ID:		Run ID: <b>VMS7_170629A</b>				SeqNo: <b>4510363</b>		Prep Date:		DF: <b>1</b>
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.93	1.0	20	0	105	85-125	0			
Ethylbenzene	20.14	1.0	20	0	101	85-125	0			
m,p-Xylene	40.58	2.0	40	0	101	75-130	0			
Naphthalene	16.96	5.0	20	0	84.8	55-160	0			
o-Xylene	20.2	1.0	20	0	101	80-125	0			
Toluene	19.98	1.0	20	0	99.9	85-125	0			
Xylenes, Total	60.78	3.0	60	0	101	80-126	0			
Surr: 1,2-Dichloroethane-d4	20.62	0	20	0	103	75-120	0			
Surr: 4-Bromofluorobenzene	19.99	0	20	0	100	80-110	0			
Surr: Dibromofluoromethane	20.09	0	20	0	100	85-115	0			
Surr: Toluene-d8	20.25	0	20	0	101	85-110	0			

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

Client: U.S. Steel - Gary Works  
 Work Order: 17061698  
 Project: (USS-GARY) CAMU SPRAY 6.28.17

## QC BATCH REPORT

Batch ID: **R214884** Instrument ID **VMS7** Method: **SW8260B**

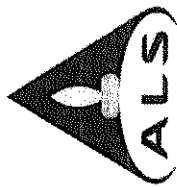
MS				Sample ID: 17061704-03A MS			Units: µg/L		Analysis Date: 6/29/2017 08:18 PM		
Client ID:			Run ID: VMS7_170629A			SeqNo: 4510379		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	130.6	5.0	100	29.7	101	85-125		0			
Ethylbenzene	99.2	5.0	100	4.75	94.4	85-125		0			
m,p-Xylene	528.8	10	200	326.4	101	75-130		0			
Naphthalene	101.8	25	100	7.95	93.8	55-160		0			
o-Xylene	174.2	5.0	100	70.6	104	80-125		0			
Toluene	146.5	5.0	100	49.1	97.4	85-125		0			
Xylenes, Total	703	15	300	397	102	80-126		0			
Surr: 1,2-Dichloroethane-d4	106	0	100	0	106	75-120		0			
Surr: 4-Bromofluorobenzene	101.9	0	100	0	102	80-110		0			
Surr: Dibromofluoromethane	99.6	0	100	0	99.6	85-115		0			
Surr: Toluene-d8	102.2	0	100	0	102	85-110		0			

MSD				Sample ID: 17061704-03A MSD			Units: µg/L		Analysis Date: 6/29/2017 08:39 PM		
Client ID:			Run ID: VMS7_170629A			SeqNo: 4510380		Prep Date:		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	132.4	5.0	100	29.7	103	85-125	130.6	1.33	30		
Ethylbenzene	101.6	5.0	100	4.75	96.9	85-125	99.2	2.44	30		
m,p-Xylene	532.5	10	200	326.4	103	75-130	528.8	0.697	30		
Naphthalene	102.4	25	100	7.95	94.5	55-160	101.8	0.686	30		
o-Xylene	178.2	5.0	100	70.6	108	80-125	174.2	2.27	30		
Toluene	153.2	5.0	100	49.1	104	85-125	146.5	4.5	30		
Xylenes, Total	710.7	15	300	397	105	80-126	703	1.09	30		
Surr: 1,2-Dichloroethane-d4	102.4	0	100	0	102	75-120	106	3.45	30		
Surr: 4-Bromofluorobenzene	101.2	0	100	0	101	80-110	101.9	0.739	30		
Surr: Dibromofluoromethane	99.15	0	100	0	99.2	85-115	99.6	0.453	30		
Surr: Toluene-d8	103.4	0	100	0	103	85-110	102.2	1.26	30		

The following samples were analyzed in this batch:

17061698-01A	17061698-02A	17061698-03A
17061698-04A		

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



# Chain of Custody Form

Page 1 of 1

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

Customer Information		ALS Project Manager: Amanda Grzybowski		ALS Work Order #: 17061698													
Purchase Order	Project Name	Project Information															
Work Order	CAMU Sprays	Parameter/Method Request for Analysis															
Company Name	USS	A BTEX 8260B, Naphthalene 8260B															
Send Report To	John Prusiecki	B Ammonia 350.1															
Address	Address	C															
City/State/Zip	City/State/Zip	D															
Phone	Phone	E															
Fax	Fax	F															
e-Mail Address	e-Mail Address	G															
		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]	6/28/17	1030	AQ	1	3	X										
2	CAMU Spray Influent [Grab]	6/28/17	1030	AQ	3	1		X									
3																	
4	CAMU Spray Middle [Grab]	6/28/17	1033	AQ	1	3	X										
5	CAMU Spray Middle [Grab]	6/28/17	1033	AQ	3	1		X									
6																	
7	CAMU Spray Effluent [Grab]	6/28/17	1036	AQ	1	3	X										
8	CAMU Spray Effluent [Grab]	6/28/17	1036	AQ	3	1		X									
9																	
10	CAMU Spray Trip Blank	6/28/17	0947	AQ	1	1	X										
11																	
12																	
13																	
14																	
15																	

Shipment Method:		Required Turnaround Time: (Check Box)		Results Due Date:	
<input type="checkbox"/> 10 Wk Days	<input type="checkbox"/> 5 Wk Days	<input type="checkbox"/> 3 Wk Days	<input type="checkbox"/> 2 Wk Days	<input checked="" type="checkbox"/> 24 Hour	
Sampler(s): Please Print & Sign J. SKALIK / ALS		Received by: <i>gital</i> Date: 6/28/17		Time: 1000	
Relinquished by: <i>[Signature]</i>		Received by (Laboratory): <i>[Signature]</i>		Time: 6/29/17 0930	
Relinquished by: <i>[Signature]</i>		Checked by (Laboratory): <i>[Signature]</i>		Time: 6/29/17 0930	
Logged by (Laboratory): <i>[Signature]</i>		Cooler Temp		Cooler ID	
		39		4N	
		2.0		2.0	
		Level II: Standard QC		Level III: Raw Data	
		Level IV: SW846 Methods/CLP like		Level IV: SW846 Methods/CLP like	
		Other:		Other:	

Preservative Key: 1-HCl 2-HNO<sub>3</sub> 3-H<sub>2</sub>SO<sub>4</sub> 4-NaOH 5-Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> 6-NaHSO<sub>4</sub> 7-Other 8-4°C

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.

## Sample Receipt Checklist

Client Name: **USS-GARY**

Date/Time Received: **29-Jun-17 09:30**

Work Order: **17061698**

Received by: **JH**

Checklist completed by *Diane Shaw* 29-Jun-17  
eSignature Date

Reviewed by: *Amanda Przybowski* 29-Jun-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>3.9</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>6/29/17 10:00</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**

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Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: