



04-Aug-2017

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

Re: **(USS-GARY) CAMU SPRAY 8.2.17**

Work Order: **1708185**

Dear John,

ALS Environmental received 4 samples on 03-Aug-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

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Environmental

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RIGHT SOLUTIONS RIGHT PARTNER

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Work Order: 1708185

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>
1708185-01	CAMU Spray Influent - Grab	Aqueous		8/2/2017 12:30	8/3/2017 10:15	<input type="checkbox"/>
1708185-01	CAMU Spray Influent - Grab	Aqueous		8/2/2017 12:30	8/3/2017 13:00	<input type="checkbox"/>
1708185-02	CAMU Spray Middle - Grab	Aqueous		8/2/2017 12:40	8/3/2017 10:15	<input type="checkbox"/>
1708185-02	CAMU Spray Middle - Grab	Aqueous		8/2/2017 12:40	8/3/2017 13:00	<input type="checkbox"/>
1708185-03	CAMU Spray Effluent - Grab	Aqueous		8/2/2017 12:50	8/3/2017 10:15	<input type="checkbox"/>
1708185-03	CAMU Spray Effluent - Grab	Aqueous		8/2/2017 12:50	8/3/2017 13:00	<input type="checkbox"/>
1708185-04	CAMU Spray Trip Blank	Aqueous		8/2/2017 12:10	8/3/2017 13:00	<input type="checkbox"/>

ALS Group, USA

Date: 04-Aug-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Work Order: 1708185

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: 04-Aug-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 8/2/2017 12:30 PM

Work Order: 1708185
Lab ID: 1708185-01
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	9.83		0.0400	0.320	mg NH3-N/L	10	8/3/2017 11:51
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	1,700		30	100	µg/L	100	8/3/2017 17:19
Ethylbenzene	31		4.0	10	µg/L	10	8/3/2017 22:03
m,p-Xylene	46		9.8	20	µg/L	10	8/3/2017 22:03
Naphthalene	2,600		18	500	µg/L	100	8/3/2017 17:19
o-Xylene	22		3.5	10	µg/L	10	8/3/2017 22:03
Toluene	38		3.7	10	µg/L	10	8/3/2017 22:03
Xylenes, Total	67		13	30	µg/L	10	8/3/2017 22:03
Surr: 1,2-Dichloroethane-d4	97.4			75-120	%REC	100	8/3/2017 17:19
Surr: 1,2-Dichloroethane-d4	106			75-120	%REC	10	8/3/2017 22:03
Surr: 4-Bromofluorobenzene	103			80-110	%REC	100	8/3/2017 17:19
Surr: 4-Bromofluorobenzene	103			80-110	%REC	10	8/3/2017 22:03
Surr: Dibromofluoromethane	98.6			85-115	%REC	100	8/3/2017 17:19
Surr: Dibromofluoromethane	102			85-115	%REC	10	8/3/2017 22:03
Surr: Toluene-d8	99.4			85-110	%REC	100	8/3/2017 17:19
Surr: Toluene-d8	101			85-110	%REC	10	8/3/2017 22:03

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

ALS Group, USA

Date: 04-Aug-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 8/2/2017 12:40 PM

Work Order: 1708185
Lab ID: 1708185-02
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	9.68		0.0400	0.320	mg NH3-N/L	10	8/3/2017 11:53
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	21		0.30	1.0	µg/L	1	8/3/2017 21:37
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	8/3/2017 21:37
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	8/3/2017 21:37
Naphthalene	1.1	J	0.18	5.0	µg/L	1	8/3/2017 21:37
o-Xylene	< 1.0		0.35	1.0	µg/L	1	8/3/2017 21:37
Toluene	0.42	J	0.37	1.0	µg/L	1	8/3/2017 21:37
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	8/3/2017 21:37
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	1	8/3/2017 21:37
Surr: 4-Bromofluorobenzene	102			80-110	%REC	1	8/3/2017 21:37
Surr: Dibromofluoromethane	99.4			85-115	%REC	1	8/3/2017 21:37
Surr: Toluene-d8	99.0			85-110	%REC	1	8/3/2017 21:37

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

ALS Group, USA

Date: 04-Aug-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 8/2/2017 12:50 PM

Work Order: 1708185
Lab ID: 1708185-03
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	9.68		0.0400	0.320	mg NH3-N/L	10	8/3/2017 11:54
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	< 1.0		0.42	1.0	µg/L	1	8/3/2017 16:27
Ethylbenzene	< 1.0		0.29	1.0	µg/L	1	8/3/2017 16:27
m,p-Xylene	< 2.0		0.53	2.0	µg/L	1	8/3/2017 16:27
Naphthalene	< 5.0		0.14	5.0	µg/L	1	8/3/2017 16:27
o-Xylene	< 1.0		0.19	1.0	µg/L	1	8/3/2017 16:27
Toluene	< 1.0		0.32	1.0	µg/L	1	8/3/2017 16:27
Xylenes, Total	< 3.0		0.74	3.0	µg/L	1	8/3/2017 16:27
Surr: 1,2-Dichloroethane-d4	99.8			75-120	%REC	1	8/3/2017 16:27
Surr: 4-Bromofluorobenzene	102			80-110	%REC	1	8/3/2017 16:27
Surr: Dibromofluoromethane	95.4			85-115	%REC	1	8/3/2017 16:27
Surr: Toluene-d8	100			85-110	%REC	1	8/3/2017 16:27

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

ALS Group, USA

Date: 04-Aug-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 8/2/2017 12:10 PM

Work Order: 1708185
Lab ID: 1708185-04
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			Method: SW8260B			Analyst: BG	
Benzene	< 1.0		0.42	1.0	µg/L	1	8/3/2017 15:36
Ethylbenzene	< 1.0		0.29	1.0	µg/L	1	8/3/2017 15:36
m,p-Xylene	< 2.0		0.53	2.0	µg/L	1	8/3/2017 15:36
Naphthalene	< 5.0		0.14	5.0	µg/L	1	8/3/2017 15:36
o-Xylene	< 1.0		0.19	1.0	µg/L	1	8/3/2017 15:36
Toluene	< 1.0		0.32	1.0	µg/L	1	8/3/2017 15:36
Xylenes, Total	< 3.0		0.74	3.0	µg/L	1	8/3/2017 15:36
Surr: 1,2-Dichloroethane-d4	103			75-120	%REC	1	8/3/2017 15:36
Surr: 4-Bromofluorobenzene	100			80-110	%REC	1	8/3/2017 15:36
Surr: Dibromofluoromethane	101			85-115	%REC	1	8/3/2017 15:36
Surr: Toluene-d8	99.0			85-110	%REC	1	8/3/2017 15:36

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

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 8.2.17
WorkOrder: 1708185

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

Work Order: 1708185

Project: (USS-GARY) CAMU SPRAY 8.2.17

QC BATCH REPORT

Batch ID: **R217147** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MBLK		Sample ID: MBLK-R217147				Units: mg NH3-N/L		Analysis Date: 8/3/2017 11:49 AM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565622		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-R217147				Units: mg NH3-N/L		Analysis Date: 8/3/2017 11:50 AM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565623		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 0.1951 0.032 0.2 0 97.6 90-110 0

MS		Sample ID: 1708021-02A MS				Units: mg NH3-N/L		Analysis Date: 8/3/2017 12:09 PM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565639		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 0.6627 0.032 0.2 0.4829 89.9 90-110 0 S

MS		Sample ID: 17071627-01A MS				Units: mg NH3-N/L		Analysis Date: 8/3/2017 12:24 PM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565652		Prep Date:		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 1.004 0.16 1 0.0625 94.2 90-110 0

MSD		Sample ID: 1708021-02A MSD				Units: mg NH3-N/L		Analysis Date: 8/3/2017 12:11 PM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565640		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 0.6681 0.032 0.2 0.4829 92.6 90-110 0.6627 0.812 20

MSD		Sample ID: 17071627-01A MSD				Units: mg NH3-N/L		Analysis Date: 8/3/2017 12:25 PM		
Client ID:		Run ID: VAL-LACHAT_170803A				SeqNo: 4565653		Prep Date:		DF: 5
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Ammonia as Nitrogen 0.9885 0.16 1 0.0625 92.6 90-110 1.004 1.61 20

The following samples were analyzed in this batch:

1708185-01B 1708185-02B 1708185-03B

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

Client: U.S. Steel - Gary Works
Work Order: 1708185
Project: (USS-GARY) CAMU SPRAY 8.2.17

QC BATCH REPORT

Batch ID: **R217129a** Instrument ID **VMS5** Method: **SW8260B**

MBLK				Sample ID: VBLKW1-170803-R217129a				Units: µg/L			Analysis Date: 8/3/2017 02:18 PM			
Client ID:				Run ID: VMS5_170803A				SeqNo: 4565888			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												
Surr: 1,2-Dichloroethane-d4	19.68	0	20	0	98.4	75-120		0						
Surr: 4-Bromofluorobenzene	19.51	0	20	0	97.6	80-110		0						
Surr: Dibromofluoromethane	19.48	0	20	0	97.4	85-115		0						
Surr: Toluene-d8	19.49	0	20	0	97.4	85-110		0						

LCS				Sample ID: VLCSW1-170803-R217129a				Units: µg/L		Analysis Date: 8/3/2017 01:27 PM	
Client ID:			Run ID: VMS5_170803A			SeqNo: 4565887		Prep Date:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	19.72	1.0	20	0	98.6	85-125	0				
Ethylbenzene	18.73	1.0	20	0	93.6	85-125	0				
m,p-Xylene	38.31	2.0	40	0	95.8	75-130	0				
Naphthalene	18.72	5.0	20	0	93.6	55-160	0				
o-Xylene	18.73	1.0	20	0	93.6	80-125	0				
Toluene	19.45	1.0	20	0	97.2	85-125	0				
Xylenes, Total	57.04	3.0	60	0	95.1	80-126	0				
<i>Surr: 1,2-Dichloroethane-d4</i>	19.93	0	20	0	99.6	75-120	0				
<i>Surr: 4-Bromofluorobenzene</i>	20.28	0	20	0	101	80-110	0				
<i>Surr: Dibromofluoromethane</i>	20.05	0	20	0	100	85-115	0				
<i>Surr: Toluene-d8</i>	19.97	0	20	0	99.8	85-110	0				

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

Client: U.S. Steel - Gary Works
 Work Order: 1708185
 Project: (USS-GARY) CAMU SPRAY 8.2.17

QC BATCH REPORT

Batch ID: **R217129a** Instrument ID **VMS5** Method: **SW8260B**

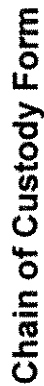
MS				Sample ID: 1708185-01A MS			Units: µg/L		Analysis Date: 8/3/2017 11:20 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS5_170803A			SeqNo: 4566923		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3448	100	2000	1712	86.8	85-125	0			
Ethylbenzene	1905	100	2000	33	93.6	85-125	0			
m,p-Xylene	3816	200	4000	49	94.2	75-130	0			
Naphthalene	4328	500	2000	2645	84.2	55-160	0			
o-Xylene	1907	100	2000	24	94.2	80-125	0			
Toluene	1935	100	2000	39	94.8	85-125	0			
Xylenes, Total	5723	300	6000	0	95.4	80-126	0			
Surr: 1,2-Dichloroethane-d4	2043	0	2000	0	102	75-120	0			
Surr: 4-Bromofluorobenzene	2084	0	2000	0	104	80-110	0			
Surr: Dibromofluoromethane	1996	0	2000	0	99.8	85-115	0			
Surr: Toluene-d8	2024	0	2000	0	101	85-110	0			

MSD				Sample ID: 1708185-01A MSD			Units: µg/L		Analysis Date: 8/3/2017 11:46 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS5_170803A			SeqNo: 4566924		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3761	100	2000	1712	102	85-125	3448	8.68	30	
Ethylbenzene	2024	100	2000	33	99.6	85-125	1905	6.06	30	
m,p-Xylene	4083	200	4000	49	101	75-130	3816	6.76	30	
Naphthalene	4822	500	2000	2645	109	55-160	4328	10.8	30	
o-Xylene	2004	100	2000	24	99	80-125	1907	4.96	30	
Toluene	2092	100	2000	39	103	85-125	1935	7.8	30	
Xylenes, Total	6087	300	6000	0	101	80-126	5723	6.16	30	
Surr: 1,2-Dichloroethane-d4	2076	0	2000	0	104	75-120	2043	1.6	30	
Surr: 4-Bromofluorobenzene	2026	0	2000	0	101	80-110	2084	2.82	30	
Surr: Dibromofluoromethane	2002	0	2000	0	100	85-115	1996	0.3	30	
Surr: Toluene-d8	1962	0	2000	0	98.1	85-110	2024	3.11	30	

The following samples were analyzed in this batch:

1708185-01A	1708185-02A	1708185-03A
1708185-04A		

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:		ALS Work Order #:							
Purchase Order	Project Name	Project Number	Company Name	Bill To Company	Invoice Attn.	Address	City/State/Zip	Phone	Fax	ALS Project Manager:	ALS Work Order #:						
Work Order	CAMU Sprays		USS	USS						Amanda Grzybowski	1708185						
Company Name	USS		USS	USS						Parameter/Method Request for Analysis							
Send Report To	John Prusiecki									A BTEX 8260B, Naphthalene 8260B							
Address										Ammonia 350.1							
City/State/Zip																	
Phone																	
Fax																	
e-Mail Address																	
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]	8/2/17	12:30	AQ	1	3	X										
2	CAMU Spray Influent [Grab]	8/2/17	12:30	AQ	3	1		X									
3																	
4	CAMU Spray Middle [Grab]	8/2/17	12:40	AQ	1	3	X										
5	CAMU Spray Middle [Grab]	8/2/17	12:40	AQ	3	1		X									
6																	
7	CAMU Spray Effluent [Grab]	8/2/17	12:50	AQ	1	3	X										
8	CAMU Spray Effluent [Grab]	8/2/17	12:50	AQ	3	1		X									
9																	
10	CAMU Spray Trip Blank	8/2/17	12:10	AQ	1	1	X										
11																	
12																	
13																	
14																	
15																	
Sampler(s): Please Print & Sign				Shipment Method:				Required Turnaround Time: (Check Box)				Results Due Date:					
Relinquished by: Fred Kiser				I/ALS				<input type="checkbox"/> 10 WK Days <input type="checkbox"/> 5 WK Days <input type="checkbox"/> 3 WK Days <input type="checkbox"/> 24 Hour									
Relinquished by: Fred Kiser				Received by: JHull				Date: 8/3/17 10:15				Notes:					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				QC Package: (Check Box Below)					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				<input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				<input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other:					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				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					
Relinquished by: JHull				Received by: JHull				Date: 8/3/17 13:00				Note: Any changes must be made in writing once samples and COC					

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Sample Receipt Checklist

Client Name: USS-GARY

Date/Time Received: 03-Aug-17 00:00

Work Order: 1708185

Received by: JH

Checklist completed by Diane Shaw
eSignature

03-Aug-17
Date

Reviewed by: Amanda Przybowski
eSignature

03-Aug-17
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>5.2</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>8/3/17 10:15</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 - 2.6/2.6 c SR2

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: