



23-Jul-2017

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

Re: **(USS-GARY) CAMU SPRAY 7.19.17**

Work Order: **17071011**

Dear John,

ALS Environmental received 4 samples on 20-Jul-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 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Work Order: 17071011

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>
17071011-01	CAMU Spray Influent - Grab	Aqueous		7/19/2017 11:05	7/20/2017 10:00	<input type="checkbox"/>
17071011-01	CAMU Spray Influent - Grab	Aqueous		7/19/2017 11:05	7/20/2017 13:00	<input type="checkbox"/>
17071011-02	CAMU Spray Middle - Grab	Aqueous		7/19/2017 11:15	7/20/2017 10:00	<input type="checkbox"/>
17071011-02	CAMU Spray Middle - Grab	Aqueous		7/19/2017 11:15	7/20/2017 13:00	<input type="checkbox"/>
17071011-03	CAMU Spray Effluent - Grab	Aqueous		7/19/2017 11:25	7/20/2017 10:00	<input type="checkbox"/>
17071011-03	CAMU Spray Effluent - Grab	Aqueous		7/19/2017 11:25	7/20/2017 13:00	<input type="checkbox"/>
17071011-04	CAMU Spray Trip Blank	Aqueous		7/19/2017 09:50	7/20/2017 13:00	<input type="checkbox"/>

ALS Group, USA

Date: 23-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Work Order: 17071011

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: 23-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 7/19/2017 11:05 AM

Work Order: 17071011
Lab ID: 17071011-01
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	9.94		0.0400	0.320	mg NH3-N/L	10	7/20/2017 11:43
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	1,800		30	100	µg/L	100	7/22/2017 16:40
Ethylbenzene	29		4.0	10	µg/L	10	7/22/2017 17:12
m,p-Xylene	39		9.8	20	µg/L	10	7/22/2017 17:12
Naphthalene	2,500		18	500	µg/L	100	7/22/2017 16:40
o-Xylene	20		3.5	10	µg/L	10	7/22/2017 17:12
Toluene	34		3.7	10	µg/L	10	7/22/2017 17:12
Xylenes, Total	59		13	30	µg/L	10	7/22/2017 17:12
Surr: 1,2-Dichloroethane-d4	103			75-120	%REC	100	7/22/2017 16:40
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	10	7/22/2017 17:12
Surr: 4-Bromofluorobenzene	98.0			80-110	%REC	100	7/22/2017 16:40
Surr: 4-Bromofluorobenzene	99.4			80-110	%REC	10	7/22/2017 17:12
Surr: Dibromofluoromethane	97.5			85-115	%REC	100	7/22/2017 16:40
Surr: Dibromofluoromethane	97.4			85-115	%REC	10	7/22/2017 17:12
Surr: Toluene-d8	99.4			85-110	%REC	100	7/22/2017 16:40
Surr: Toluene-d8	99.4			85-110	%REC	10	7/22/2017 17:12

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

ALS Group, USA

Date: 23-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 7/19/2017 11:15 AM

Work Order: 17071011
Lab ID: 17071011-02
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	9.86		0.0400	0.320	mg NH3-N/L	10	7/20/2017 11:44
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	460		3.0	10	µg/L	10	7/22/2017 19:20
Ethylbenzene	1.7		0.40	1.0	µg/L	1	7/22/2017 16:56
m,p-Xylene	1.7	J	0.98	2.0	µg/L	1	7/22/2017 16:56
Naphthalene	18		0.18	5.0	µg/L	1	7/22/2017 16:56
o-Xylene	1.2		0.35	1.0	µg/L	1	7/22/2017 16:56
Toluene	3.3		0.37	1.0	µg/L	1	7/22/2017 16:56
Xylenes, Total	2.9	J	1.3	3.0	µg/L	1	7/22/2017 16:56
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	1	7/22/2017 16:56
Surr: 1,2-Dichloroethane-d4	100			75-120	%REC	10	7/22/2017 19:20
Surr: 4-Bromofluorobenzene	94.0			80-110	%REC	1	7/22/2017 16:56
Surr: 4-Bromofluorobenzene	96.5			80-110	%REC	10	7/22/2017 19:20
Surr: Dibromofluoromethane	97.0			85-115	%REC	1	7/22/2017 16:56
Surr: Dibromofluoromethane	98.0			85-115	%REC	10	7/22/2017 19:20
Surr: Toluene-d8	98.2			85-110	%REC	1	7/22/2017 16:56
Surr: Toluene-d8	98.8			85-110	%REC	10	7/22/2017 19:20

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

ALS Group, USA

Date: 23-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 7/19/2017 11:25 AM

Work Order: 17071011
Lab ID: 17071011-03
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	9.81		0.0400	0.320	mg NH3-N/L	10	7/20/2017 11:45
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	59		0.30	1.0	µg/L	1	7/22/2017 16:24
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/22/2017 16:24
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/22/2017 16:24
Naphthalene	1.2	J	0.18	5.0	µg/L	1	7/22/2017 16:24
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/22/2017 16:24
Toluene	< 1.0		0.37	1.0	µg/L	1	7/22/2017 16:24
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/22/2017 16:24
Surr: 1,2-Dichloroethane-d4	103			75-120	%REC	1	7/22/2017 16:24
Surr: 4-Bromofluorobenzene	94.0			80-110	%REC	1	7/22/2017 16:24
Surr: Dibromofluoromethane	99.3			85-115	%REC	1	7/22/2017 16:24
Surr: Toluene-d8	98.2			85-110	%REC	1	7/22/2017 16:24

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

ALS Group, USA

Date: 23-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 7/19/2017 09:50 AM

Work Order: 17071011
Lab ID: 17071011-04
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			Method: SW8260B			Analyst: AK	
Benzene	< 1.0		0.30	1.0	µg/L	1	7/22/2017 16:08
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/22/2017 16:08
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/22/2017 16:08
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/22/2017 16:08
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/22/2017 16:08
Toluene	< 1.0		0.37	1.0	µg/L	1	7/22/2017 16:08
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/22/2017 16:08
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	1	7/22/2017 16:08
Surr: 4-Bromofluorobenzene	96.6			80-110	%REC	1	7/22/2017 16:08
Surr: Dibromofluoromethane	99.5			85-115	%REC	1	7/22/2017 16:08
Surr: Toluene-d8	100			85-110	%REC	1	7/22/2017 16:08

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

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.19.17
WorkOrder: 17071011

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 NH3-N/L	Milligrams Ammonia-Nitrogen per Liter

Client: U.S. Steel - Gary Works

Work Order: 17071011

Project: (USS-GARY) CAMU SPRAY 7.19.17

QC BATCH REPORT

Batch ID: **R216164** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MBLK	Sample ID: MBLK-R216164					Units: mg NH3-N/L		Analysis Date: 7/20/2017 11:40 AM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540203		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

MBLK	Sample ID: MBLK-R216164					Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:18 PM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540234		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-R216164					Units: mg NH3-N/L		Analysis Date: 7/20/2017 11:42 AM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540204		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 0.1979 0.032 0.2 0 99 90-110 0

LCS	Sample ID: LCS-R216164					Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:19 PM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540235		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 0.2009 0.032 0.2 0 100 90-110 0

MS	Sample ID: 1707837-01E MS					Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:13 PM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540230		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 0.413 0.032 0.2 0.2306 91.2 90-110 0

MS	Sample ID: 1707642-09B MS					Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:27 PM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540242		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 1.105 0.16 1 0.162 94.3 90-110 0

MS	Sample ID: 1707776-01A MS					Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:31 PM		
Client ID:	Run ID: VAL-LACHAT_170720A				SeqNo: 4540245		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 1.042 0.16 1 0.089 95.3 90-110 0

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

Client: U.S. Steel - Gary Works
Work Order: 17071011
Project: (USS-GARY) CAMU SPRAY 7.19.17

QC BATCH REPORT

Batch ID: **R216164** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MSD		Sample ID: 1707837-01E MSD				Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:14 PM		
Client ID:		Run ID: VAL-LACHAT_170720A		SeqNo: 4540231		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	0.4146	0.032	0.2	0.2306	92	90-110	0.413	0.387	20	

MSD		Sample ID: 1707642-09B MSD				Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:28 PM		
Client ID:		Run ID: VAL-LACHAT_170720A		SeqNo: 4540243		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	1.072	0.16	1	0.162	91	90-110	1.105	3.03	20	

MSD		Sample ID: 1707776-01A MSD				Units: mg NH3-N/L		Analysis Date: 7/20/2017 12:32 PM		
Client ID:		Run ID: VAL-LACHAT_170720A		SeqNo: 4540246		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	1.034	0.16	1	0.089	94.4	90-110	1.042	0.819	20	

The following samples were analyzed in this batch:

17071011-01B	17071011-02B	17071011-03B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: U.S. Steel - Gary Works
 Work Order: 17071011
 Project: (USS-GARY) CAMU SPRAY 7.19.17

QC BATCH REPORT

Batch ID: **R216299** Instrument ID **VMS10** Method: **SW8260B**

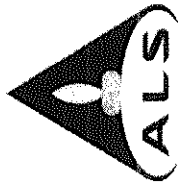
MBLK		Sample ID: VLKW2-170722-R216299				Units: µg/L		Analysis Date: 7/22/2017 03:52 PM		
Client ID:		Run ID: VMS10_170722A				SeqNo: 4543386		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Ethylbenzene	U	1.0								
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>	<i>19.71</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>98.6</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>19.11</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>95.6</i>	<i>80-110</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>19.35</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>96.8</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>19.77</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>98.8</i>	<i>85-110</i>	<i>0</i>			

LCS		Sample ID: VLCSW1-170722-R216299				Units: µg/L		Analysis Date: 7/22/2017 03:20 PM		
Client ID:		Run ID: VMS10_170722A				SeqNo: 4543385		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.47	1.0	20	0	107	85-125	0			
Ethylbenzene	21.22	1.0	20	0	106	85-125	0			
m,p-Xylene	42.8	2.0	40	0	107	75-130	0			
Naphthalene	19.14	5.0	20	0	95.7	55-160	0			
o-Xylene	21.9	1.0	20	0	110	80-125	0			
Toluene	20.49	1.0	20	0	102	85-125	0			
Xylenes, Total	64.7	3.0	60	0	108	80-126	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>20.32</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>102</i>	<i>75-120</i>	<i>0</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>20.31</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>102</i>	<i>80-110</i>	<i>0</i>			
<i>Surr: Dibromofluoromethane</i>	<i>20.34</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>102</i>	<i>85-115</i>	<i>0</i>			
<i>Surr: Toluene-d8</i>	<i>20.02</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>100</i>	<i>85-110</i>	<i>0</i>			

The following samples were analyzed in this batch:

17071011-01A	17071011-02A	17071011-03A
17071011-04A		

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 #: 007101												
Project Information				Parameter/Method Request for Analysis																
Purchase Order	Project Name	Project Number	Bill To Company	Invoice Attn.	Address	City/State/Zip	Phone	Fax	e-Mail Address	A	B	C	D	E	F	G	H	I	J	Hold
Work Order	CAMU Sprays		USS																	
Company Name	USS																			
Send Report To	John Prusiecki																			
Address																				
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]	7/19/17	1105	AQ	1	3	X													
2	CAMU Spray Influent [Grab]	7/19/17	1105	AQ	3	1		X												
3																				
4	CAMU Spray Middle [Grab]	7/19/17	1115	AQ	1	3	X													
5	CAMU Spray Middle [Grab]	7/19/17	1115	AQ	3	1		X												
6																				
7	CAMU Spray Effluent [Grab]	7/19/17	1125	AQ	1	3	X													
8	CAMU Spray Effluent [Grab]	7/19/17	1125	AQ	3	1		X												
9																				
10	CAMU Spray Trip Blank	7/19/17	0950	AQ	1	1	X													
11																				
12																				
13																				
14																				
15																				
Sampler(s): Please Print & Sign				Shipment Method:				Required Turnaround Time: (Check Box)				Results Due Date:								
J-SKALIK LALS Fred Kinsey/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: [Signature]				Received by: [Signature]				Date: 7/20/17 0855				Time: 7/20/17 1000								
Relinquished by: [Signature]				Received by: [Signature]				Date: 7/20/17 1000				Time: 7/20/17 1300								
Logged by (Laboratory):				Checked by (Laboratory):				Date: 7/20/17				Time: 1000								
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				Cooler Temp: 13				ALS Cooler ID: HN				QC Package: (Check Box Below)								
												<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								
												<input type="checkbox"/> Level IV: SW846 Methods/CLP like <input type="checkbox"/> Other:								

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: **20-Jul-17 00:00**

Work Order: **17071011**

Received by: **JH**

Checklist completed by Diane Shaw
eSignature

20-Jul-17
Date

Reviewed by: Amanda Przybowski
eSignature

20-Jul-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>1.3</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>7/20/17 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 - 3.4/3.4 c SR2**

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: