



22-Jun-2017

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

Re: **(USS-GARY) CAMU SPRAY 6.21.17**

Work Order: **17061216**

Dear John,

ALS Environmental received 4 samples on 21-Jun-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 6.21.17
Work Order: 17061216

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>
17061216-01	CAMU Spray Influent - Grab	Aqueous		6/21/2017 08:10	6/21/2017 10:23	<input type="checkbox"/>
17061216-01	CAMU Spray Influent - Grab	Aqueous		6/21/2017 08:10	6/21/2017 12:45	<input type="checkbox"/>
17061216-02	CAMU Spray Middle - Grab	Aqueous		6/21/2017 08:11	6/21/2017 10:23	<input type="checkbox"/>
17061216-02	CAMU Spray Middle - Grab	Aqueous		6/21/2017 08:11	6/21/2017 12:45	<input type="checkbox"/>
17061216-03	CAMU Spray Effluent - Grab	Aqueous		6/21/2017 08:12	6/21/2017 10:23	<input type="checkbox"/>
17061216-03	CAMU Spray Effluent - Grab	Aqueous		6/21/2017 08:12	6/21/2017 12:45	<input type="checkbox"/>
17061216-04	CAMU Spray Trip Blank	Aqueous		6/21/2017 06:30	6/21/2017 12:45	<input type="checkbox"/>

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
Work Order: 17061216

Case Narrative

Batch R214389, Method VOC_8260_W, Sample 17061216-01A MS: The MS recovery was above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Benzene, Naphthalene.

Sample date should be 6/21/17, not 6/22/17 as COC shows.

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: 22-Jun-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 6/21/2017 08:10 AM

Work Order: 17061216
Lab ID: 17061216-01
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: CD
Ammonia as Nitrogen	13.7		0.0400	0.320	mg NH3-N/L	10	6/21/2017 13:23
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: EMR
Benzene	2,800		30	100	µg/L	100	6/22/2017 10:31
Ethylbenzene	32		4.0	10	µg/L	10	6/22/2017 10:47
m,p-Xylene	45		9.8	20	µg/L	10	6/22/2017 10:47
Naphthalene	3,000		18	500	µg/L	100	6/22/2017 10:31
o-Xylene	22		3.5	10	µg/L	10	6/22/2017 10:47
Toluene	52		3.7	10	µg/L	10	6/22/2017 10:47
Xylenes, Total	67		13	30	µg/L	10	6/22/2017 10:47
Surr: 1,2-Dichloroethane-d4	99.6			75-120	%REC	100	6/22/2017 10:31
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	10	6/22/2017 10:47
Surr: 4-Bromofluorobenzene	102			80-110	%REC	100	6/22/2017 10:31
Surr: 4-Bromofluorobenzene	100			80-110	%REC	10	6/22/2017 10:47
Surr: Dibromofluoromethane	99.8			85-115	%REC	100	6/22/2017 10:31
Surr: Dibromofluoromethane	97.4			85-115	%REC	10	6/22/2017 10:47
Surr: Toluene-d8	98.0			85-110	%REC	100	6/22/2017 10:31
Surr: Toluene-d8	95.6			85-110	%REC	10	6/22/2017 10:47

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

ALS Group, USA

Date: 22-Jun-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 6/21/2017 08:11 AM

Work Order: 17061216
Lab ID: 17061216-02
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: CD
Ammonia as Nitrogen	13.5		0.0400	0.320	mg NH3-N/L	10	6/21/2017 13:24
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: EMR
Benzene	15		0.30	1.0	µg/L	1	6/22/2017 07:01
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/22/2017 07:01
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	6/22/2017 07:01
Naphthalene	< 5.0		0.18	5.0	µg/L	1	6/22/2017 07:01
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/22/2017 07:01
Toluene	< 1.0		0.37	1.0	µg/L	1	6/22/2017 07:01
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/22/2017 07:01
Surr: 1,2-Dichloroethane-d4	98.7			75-120	%REC	1	6/22/2017 07:01
Surr: 4-Bromofluorobenzene	95.4			80-110	%REC	1	6/22/2017 07:01
Surr: Dibromofluoromethane	92.2			85-115	%REC	1	6/22/2017 07:01
Surr: Toluene-d8	97.4			85-110	%REC	1	6/22/2017 07:01

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

ALS Group, USA

Date: 22-Jun-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 6/21/2017 08:12 AM

Work Order: 17061216
Lab ID: 17061216-03
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
AMMONIA AS NITROGEN							
			Method: E350.1 R2.0				Analyst: CD
Ammonia as Nitrogen	13.5		0.0400	0.320	mg NH3-N/L	10	6/21/2017 13:25
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: EMR
Benzene	< 1.0		0.30	1.0	µg/L	1	6/22/2017 06:45
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/22/2017 06:45
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	6/22/2017 06:45
Naphthalene	< 5.0		0.18	5.0	µg/L	1	6/22/2017 06:45
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/22/2017 06:45
Toluene	< 1.0		0.37	1.0	µg/L	1	6/22/2017 06:45
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/22/2017 06:45
Surr: 1,2-Dichloroethane-d4	101			75-120	%REC	1	6/22/2017 06:45
Surr: 4-Bromofluorobenzene	95.2			80-110	%REC	1	6/22/2017 06:45
Surr: Dibromofluoromethane	97.0			85-115	%REC	1	6/22/2017 06:45
Surr: Toluene-d8	96.2			85-110	%REC	1	6/22/2017 06:45

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

ALS Group, USA

Date: 22-Jun-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 6/21/2017 06:30 AM

Work Order: 17061216
Lab ID: 17061216-04
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			Method: SW8260B			Analyst: EMR	
Benzene	< 1.0		0.30	1.0	µg/L	1	6/22/2017 06:29
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	6/22/2017 06:29
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	6/22/2017 06:29
Naphthalene	< 5.0		0.18	5.0	µg/L	1	6/22/2017 06:29
o-Xylene	< 1.0		0.35	1.0	µg/L	1	6/22/2017 06:29
Toluene	< 1.0		0.37	1.0	µg/L	1	6/22/2017 06:29
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	6/22/2017 06:29
Surr: 1,2-Dichloroethane-d4	102			75-120	%REC	1	6/22/2017 06:29
Surr: 4-Bromofluorobenzene	95.8			80-110	%REC	1	6/22/2017 06:29
Surr: Dibromofluoromethane	91.8			85-115	%REC	1	6/22/2017 06:29
Surr: Toluene-d8	99.2			85-110	%REC	1	6/22/2017 06:29

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

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 6.21.17
WorkOrder: 17061216

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: 17061216
Project: (USS-GARY) CAMU SPRAY 6.21.17

QC BATCH REPORT

Batch ID: **R214341** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MBLK		Sample ID: MBLK-R214341				Units: mg NH3-N/L		Analysis Date: 6/21/2017 01:20 PM		
Client ID:		Run ID: VAL-LACHAT_170621B				SeqNo: 4492555		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-R214341				Units: mg NH3-N/L		Analysis Date: 6/21/2017 01:21 PM		
Client ID:		Run ID: VAL-LACHAT_170621B				SeqNo: 4492556		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 0.1964 0.032 0.2 0 98.2 90-110 0

MS		Sample ID: 17061211-09B MS				Units: mg NH3-N/L		Analysis Date: 6/21/2017 01:35 PM		
Client ID:		Run ID: VAL-LACHAT_170621B				SeqNo: 4492567		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 0.2192 0.032 0.2 0.0393 90 90-110 0 S

MSD		Sample ID: 17061211-09B MSD				Units: mg NH3-N/L		Analysis Date: 6/21/2017 01:36 PM		
Client ID:		Run ID: VAL-LACHAT_170621B				SeqNo: 4492568		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 0.2137 0.032 0.2 0.0393 87.2 90-110 0.2192 2.54 20 S

The following samples were analyzed in this batch:

17061216-01B	17061216-02B	17061216-03B
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Client: U.S. Steel - Gary Works
 Work Order: 17061216
 Project: (USS-GARY) CAMU SPRAY 6.21.17

QC BATCH REPORT

Batch ID: **R214389** Instrument ID **VMS8** Method: **SW8260B**

MBLK		Sample ID: VBLKW3-170621-R214389				Units: µg/L		Analysis Date: 6/22/2017 05:25 AM		
Client ID:		Run ID: VMS8_170621C				SeqNo: 4494471		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	19.72	0	20	0	98.6	75-120	0			
Surr: 4-Bromofluorobenzene	19.64	0	20	0	98.2	80-110	0			
Surr: Dibromofluoromethane	18.34	0	20	0	91.7	85-115	0			
Surr: Toluene-d8	19.5	0	20	0	97.5	85-110	0			

LCS		Sample ID: VLCSW3-170621-R214389				Units: µg/L		Analysis Date: 6/22/2017 04:53 AM		
Client ID:		Run ID: VMS8_170621C				SeqNo: 4494470		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.05	1.0	20	0	100	85-125	0			
Ethylbenzene	19.85	1.0	20	0	99.2	85-125	0			
m,p-Xylene	39.18	2.0	40	0	98	75-130	0			
Naphthalene	20.93	5.0	20	0	105	55-160	0			
o-Xylene	20.16	1.0	20	0	101	80-125	0			
Toluene	19.49	1.0	20	0	97.4	85-125	0			
Xylenes, Total	59.34	3.0	60	0	98.9	80-126	0			
Surr: 1,2-Dichloroethane-d4	18.95	0	20	0	94.8	75-120	0			
Surr: 4-Bromofluorobenzene	20.87	0	20	0	104	80-110	0			
Surr: Dibromofluoromethane	18.56	0	20	0	92.8	85-115	0			
Surr: Toluene-d8	19.63	0	20	0	98.2	85-110	0			

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

Client: U.S. Steel - Gary Works
 Work Order: 17061216
 Project: (USS-GARY) CAMU SPRAY 6.21.17

QC BATCH REPORT

Batch ID: **R214389** Instrument ID **VMS8** Method: **SW8260B**

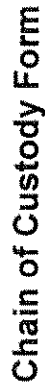
MS					Sample ID: 17061216-01A MS		Units: µg/L		Analysis Date: 6/22/2017 11:04 AM		
Client ID: CAMU Spray Influent - Grab			Run ID: VMS8_170621C			SeqNo: 4494492		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	5570	100	2000	2777	140	85-125		0		S	
Ethylbenzene	2241	100	2000	0	112	85-125		0			
m,p-Xylene	4460	200	4000	0	112	75-130		0			
Naphthalene	5488	500	2000	2994	125	55-160		0			
o-Xylene	2208	100	2000	0	110	80-125		0			
Toluene	2286	100	2000	54	112	85-125		0			
Xylenes, Total	6668	300	6000	0	111	80-126		0			
Surr: 1,2-Dichloroethane-d4	2028	0	2000	0	101	75-120		0			
Surr: 4-Bromofluorobenzene	2079	0	2000	0	104	80-110		0			
Surr: Dibromofluoromethane	2079	0	2000	0	104	85-115		0			
Surr: Toluene-d8	1942	0	2000	0	97.1	85-110		0			

MSD				Sample ID: 17061216-01A MSD			Units: µg/L		Analysis Date: 6/22/2017 11:20 AM		
Client ID: CAMU Spray Influent - Grab			Run ID: VMS8_170621C			SeqNo: 4494493		Prep Date:		DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	5526	100	2000	2777	137	85-125	5570	0.793	30	S	
Ethylbenzene	2427	100	2000	0	121	85-125	2241	7.97	30		
m,p-Xylene	4934	200	4000	0	123	75-130	4460	10.1	30		
Naphthalene	5383	500	2000	2994	119	55-160	5488	1.93	30		
o-Xylene	2453	100	2000	0	123	80-125	2208	10.5	30		
Toluene	2502	100	2000	54	122	85-125	2286	9.02	30		
Xylenes, Total	7387	300	6000	0	123	80-126	6668	10.2	30		
Surr: 1,2-Dichloroethane-d4	2046	0	2000	0	102	75-120	2028	0.884	30		
Surr: 4-Bromofluorobenzene	2088	0	2000	0	104	80-110	2079	0.432	30		
Surr: Dibromofluoromethane	2029	0	2000	0	101	85-115	2079	2.43	30		
Surr: Toluene-d8	1984	0	2000	0	99.2	85-110	1942	2.14	30		

The following samples were analyzed in this batch:

17061216-01A	17061216-02A	17061216-03A
17061216-04A		

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	Project Name	Project Number	Project Name	Project Number	Project Name	Project Number	Project Name	Project Number									
Work Order	CAMU Sprays	1021	CAMU Sprays	1021	CAMU Sprays	1021	CAMU Sprays	1021	CAMU Sprays	1021									
Company Name	USS	1021	USS	1021	USS	1021	USS	1021	USS	1021									
Send Report To	John Prusiecki	1021	John Prusiecki	1021	John Prusiecki	1021	John Prusiecki	1021	John Prusiecki	1021									
Address	Address	Address	Address	Address	Address	Address	Address	Address	Address	Address									
City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip	City/State/Zip									
Phone	Phone	Phone	Phone	Phone	Phone	Phone	Phone	Phone	Phone	Phone									
Fax	Fax	Fax	Fax	Fax	Fax	Fax	Fax	Fax	Fax	Fax									
e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address	e-Mail Address									
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]	6/22/17	0810	AQ	1	3	X												
2	CAMU Spray Influent [Grab]	6/22/17	0810	AQ	3	1		X											
3																			
4	CAMU Spray Middle [Grab]	6/22/17	0811	AQ	1	3	X												
5	CAMU Spray Middle [Grab]	6/22/17	0811	AQ	3	1		X											
6																			
7	CAMU Spray Effluent [Grab]	6/22/17	0812	AQ	1	3	X												
8	CAMU Spray Effluent [Grab]	6/22/17	0812	AQ	3	1		X											
9																			
10	CAMU Spray Trip Blank	6/22/17	0630	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. J. SKALIK / ALS				-				<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 type="checkbox"/> 24 Hour				<input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour							
Relinquished by:				Received by:				Date:				Time:							
[Signature]				[Signature]				6/21/17				1021							
Relinquished by:				Received by:				Date:				Time:							
[Signature]				[Signature]				6/21/17				1023							
Logged by (Laboratory):				Checked by (Laboratory):				Date:				Time:							
[Signature]				[Signature]				6/21/17				1023							
ALS Cooler ID				Cooler Temp				QC Package: (Check Box Below)				<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRAP LRC <input type="checkbox"/> Level IV: SW846 Methods/CLP file <input type="checkbox"/> Other:							
HAW				31				<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRAP LRC <input type="checkbox"/> Level IV: SW846 Methods/CLP file <input type="checkbox"/> Other:				<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRAP LRC <input type="checkbox"/> Level IV: SW846 Methods/CLP file <input type="checkbox"/> Other:							
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				9-Other				10-Other							

Sample Receipt Checklist

Client Name: USS-GARY

Date/Time Received: 21-Jun-17 00:00

Work Order: 17061216

Received by: JH

Checklist completed by Diane Shaw 21-Jun-17
eSignature Date

Reviewed by: Amanda Przybowski 21-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>3.1</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>6/21/17 10:23</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 type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" 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: