



14-Jul-2017

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

Re: **(USS-GARY) CAMU SPRAY 7.12.17**

Work Order: **1707490**

Dear John,

ALS Environmental received 4 samples on 12-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 14.

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 7.12.17
Work Order: 1707490

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>
1707490-01	CAMU Spray Influent - Grab	Aqueous		7/12/2017 10:00	7/12/2017 16:16	<input type="checkbox"/>
1707490-01	CAMU Spray Influent - Grab	Aqueous		7/12/2017 10:00	7/13/2017 09:30	<input type="checkbox"/>
1707490-02	CAMU Spray Middle - Grab	Aqueous		7/12/2017 10:05	7/12/2017 16:16	<input type="checkbox"/>
1707490-02	CAMU Spray Middle - Grab	Aqueous		7/12/2017 10:05	7/13/2017 09:30	<input type="checkbox"/>
1707490-03	CAMU Spray Effluent - Grab	Aqueous		7/12/2017 10:10	7/12/2017 16:16	<input type="checkbox"/>
1707490-03	CAMU Spray Effluent - Grab	Aqueous		7/12/2017 10:10	7/13/2017 09:30	<input type="checkbox"/>
1707490-04	CAMU Spray Trip Blank	Aqueous		7/12/2017 08:10	7/13/2017 09:30	<input type="checkbox"/>

ALS Group, USA

Date: 14-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
Work Order: 1707490

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: 14-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 7/12/2017 10:00 AM

Work Order: 1707490
Lab ID: 1707490-01
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	11.0		0.0400	0.320	mg NH3-N/L	10	7/13/2017 13:20
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	2,300		30	100	µg/L	100	7/13/2017 14:59
Ethylbenzene	28		4.0	10	µg/L	10	7/13/2017 21:24
m,p-Xylene	42		9.8	20	µg/L	10	7/13/2017 21:24
Naphthalene	2,800		18	500	µg/L	100	7/13/2017 14:59
o-Xylene	20		3.5	10	µg/L	10	7/13/2017 21:24
Toluene	40		3.7	10	µg/L	10	7/13/2017 21:24
Xylenes, Total	62		13	30	µg/L	10	7/13/2017 21:24
Surr: 1,2-Dichloroethane-d4	109			75-120	%REC	100	7/13/2017 14:59
Surr: 1,2-Dichloroethane-d4	105			75-120	%REC	10	7/13/2017 21:24
Surr: 4-Bromofluorobenzene	92.8			80-110	%REC	100	7/13/2017 14:59
Surr: 4-Bromofluorobenzene	94.0			80-110	%REC	10	7/13/2017 21:24
Surr: Dibromofluoromethane	104			85-115	%REC	100	7/13/2017 14:59
Surr: Dibromofluoromethane	99.6			85-115	%REC	10	7/13/2017 21:24
Surr: Toluene-d8	96.2			85-110	%REC	100	7/13/2017 14:59
Surr: Toluene-d8	97.9			85-110	%REC	10	7/13/2017 21:24

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

ALS Group, USA

Date: 14-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 7/12/2017 10:05 AM

Work Order: 1707490
Lab ID: 1707490-02
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	10.7		0.0400	0.320	mg NH3-N/L	10	7/13/2017 13:22
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	3.0		0.30	1.0	µg/L	1	7/13/2017 20:59
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/13/2017 20:59
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/13/2017 20:59
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/13/2017 20:59
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/13/2017 20:59
Toluene	< 1.0		0.37	1.0	µg/L	1	7/13/2017 20:59
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/13/2017 20:59
Surr: 1,2-Dichloroethane-d4	107			75-120	%REC	1	7/13/2017 20:59
Surr: 4-Bromofluorobenzene	92.1			80-110	%REC	1	7/13/2017 20:59
Surr: Dibromofluoromethane	103			85-115	%REC	1	7/13/2017 20:59
Surr: Toluene-d8	98.4			85-110	%REC	1	7/13/2017 20:59

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

ALS Group, USA

Date: 14-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 7/12/2017 10:10 AM

Work Order: 1707490
Lab ID: 1707490-03
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	11.0		0.0400	0.320	mg NH3-N/L	10	7/13/2017 13:23
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: BG
Benzene	< 1.0		0.30	1.0	µg/L	1	7/13/2017 14:33
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/13/2017 14:33
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/13/2017 14:33
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/13/2017 14:33
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/13/2017 14:33
Toluene	< 1.0		0.37	1.0	µg/L	1	7/13/2017 14:33
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/13/2017 14:33
Surr: 1,2-Dichloroethane-d4	107			75-120	%REC	1	7/13/2017 14:33
Surr: 4-Bromofluorobenzene	103			80-110	%REC	1	7/13/2017 14:33
Surr: Dibromofluoromethane	102			85-115	%REC	1	7/13/2017 14:33
Surr: Toluene-d8	97.2			85-110	%REC	1	7/13/2017 14:33

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

ALS Group, USA

Date: 14-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 7/12/2017 08:10 AM

Work Order: 1707490
Lab ID: 1707490-04
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	7/13/2017 14:08
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/13/2017 14:08
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/13/2017 14:08
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/13/2017 14:08
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/13/2017 14:08
Toluene	< 1.0		0.37	1.0	µg/L	1	7/13/2017 14:08
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/13/2017 14:08
Surr: 1,2-Dichloroethane-d4	112			75-120	%REC	1	7/13/2017 14:08
Surr: 4-Bromofluorobenzene	93.0			80-110	%REC	1	7/13/2017 14:08
Surr: Dibromofluoromethane	103			85-115	%REC	1	7/13/2017 14:08
Surr: Toluene-d8	98.1			85-110	%REC	1	7/13/2017 14:08

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

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.12.17
WorkOrder: 1707490

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: 1707490

Project: (USS-GARY) CAMU SPRAY 7.12.17

QC BATCH REPORT

Batch ID: **R215753** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MBLK	Sample ID: MBLK-R215753					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:18 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529906		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-R215753					Units: mg NH3-N/L		Analysis Date: 7/13/2017 02:01 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529958		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-R215753					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:19 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529908		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 0.196 0.032 0.2 0 98 90-110 0

LCS	Sample ID: LCS-R215753					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:55 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529953		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: 1707319-24A MS					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:28 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529921		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 0.2042 0.032 0.2 0.0236 90.3 90-110 0

MS	Sample ID: 1707445-09B MS					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:52 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529950		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 0.199 0.032 0.2 0.0195 89.8 90-110 0 S

MS	Sample ID: 1707364-40A MS					Units: mg NH3-N/L		Analysis Date: 7/13/2017 02:16 PM		
Client ID:	Run ID: VAL-LACHAT_170713A				SeqNo: 4529970		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 1.812 0.16 1 0.888 92.4 90-110 0

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

Client: U.S. Steel - Gary Works
Work Order: 1707490
Project: (USS-GARY) CAMU SPRAY 7.12.17

QC BATCH REPORT

Batch ID: **R215753** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MSD		Sample ID: 1707319-24A MSD					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:29 PM		
Client ID:		Run ID: VAL-LACHAT_170713A				SeqNo: 4529923		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	0.2023	0.032	0.2	0.0236	89.4	90-110	0.2042	0.935	20	S
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MSD		Sample ID: 1707445-09B MSD					Units: mg NH3-N/L		Analysis Date: 7/13/2017 01:53 PM		
Client ID:			Run ID: VAL-LACHAT_170713A			SeqNo: 4529951		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	0.1993	0.032	0.2	0.0195	89.9	90-110	0.199	0.151	20	S
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MSD		Sample ID: 1707364-40A MSD					Units: mg NH3-N/L		Analysis Date: 7/13/2017 02:17 PM		
Client ID:			Run ID: VAL-LACHAT_170713A			SeqNo: 4529971		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	1.797	0.16	1	0.888	90.9	90-110	1.812	0.804	20	
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The following samples were analyzed in this batch:

1707490-01B	1707490-02B	1707490-03B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: U.S. Steel - Gary Works
Work Order: 1707490
Project: (USS-GARY) CAMU SPRAY 7.12.17

QC BATCH REPORT

Batch ID: **R215732a** Instrument ID **VMS5** Method: **SW8260B**

MBLK		Sample ID: VLKW2-170713-R215732a				Units: µg/L		Analysis Date: 7/13/2017 01:16 PM		
Client ID:		Run ID: VMS5_170713A				SeqNo: 4529860		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>	20.98	0	20	0	105	75-120		0		
<i>Surr: 4-Bromofluorobenzene</i>	18.57	0	20	0	92.8	80-110		0		
<i>Surr: Dibromofluoromethane</i>	20.12	0	20	0	101	85-115		0		
<i>Surr: Toluene-d8</i>	19.45	0	20	0	97.2	85-110		0		

LCS		Sample ID: VLCSW2-170713-R215732a				Units: µg/L		Analysis Date: 7/13/2017 12:25 PM		
Client ID:		Run ID: VMS5_170713A				SeqNo: 4529859		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.82	1.0	20	0	109	85-125		0		
Ethylbenzene	23.28	1.0	20	0	116	85-125		0		
m,p-Xylene	47.86	2.0	40	0	120	75-130		0		
Naphthalene	20.14	5.0	20	0	101	55-160		0		
o-Xylene	24.08	1.0	20	0	120	80-125		0		
Toluene	21.79	1.0	20	0	109	85-125		0		
Xylenes, Total	71.94	3.0	60	0	120	80-126		0		
<i>Surr: 1,2-Dichloroethane-d4</i>	20.25	0	20	0	101	75-120		0		
<i>Surr: 4-Bromofluorobenzene</i>	20.67	0	20	0	103	80-110		0		
<i>Surr: Dibromofluoromethane</i>	19.64	0	20	0	98.2	85-115		0		
<i>Surr: Toluene-d8</i>	20.16	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: 1707490
 Project: (USS-GARY) CAMU SPRAY 7.12.17

QC BATCH REPORT

Batch ID: **R215732a** Instrument ID **VMS5** Method: **SW8260B**

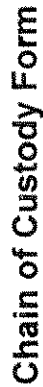
MS				Sample ID: 1707490-01A MS			Units: µg/L		Analysis Date: 7/13/2017 09:50 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS5_170713A			SeqNo: 4531031		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3387	100	1500	2040	89.8	85-125	0			
Ethylbenzene	1336	100	1500	28.2	87.2	85-125	0			
m,p-Xylene	2700	200	3000	41.7	88.6	75-130	0			
Naphthalene	4027	500	1500	2941	72.4	55-160	0			
o-Xylene	1352	100	1500	19.8	88.8	80-125	0			
Toluene	1322	100	1500	39.7	85.5	85-125	0			
Xylenes, Total	4052	300	4500	61.5	88.7	80-126	0			
Surr: 1,2-Dichloroethane-d4	1985	0	2000	0	99.2	75-120	0			
Surr: 4-Bromofluorobenzene	2035	0	2000	0	102	80-110	0			
Surr: Dibromofluoromethane	1952	0	2000	0	97.6	85-115	0			
Surr: Toluene-d8	2008	0	2000	0	100	85-110	0			

MSD				Sample ID: 1707490-01A MSD			Units: µg/L		Analysis Date: 7/13/2017 10:16 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS5_170713A			SeqNo: 4531032		Prep Date:	
									DF: 100	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	3693	100	1500	2040	110	85-125	3387	8.64	30	
Ethylbenzene	1498	100	1500	28.2	98	85-125	1336	11.4	30	
m,p-Xylene	3012	200	3000	41.7	99	75-130	2700	10.9	30	
Naphthalene	4062	500	1500	2941	74.8	55-160	4027	0.865	30	
o-Xylene	1531	100	1500	19.8	101	80-125	1352	12.4	30	
Toluene	1492	100	1500	39.7	96.8	85-125	1322	12.1	30	
Xylenes, Total	4543	300	4500	61.5	99.6	80-126	4052	11.4	30	
Surr: 1,2-Dichloroethane-d4	2052	0	2000	0	103	75-120	1985	3.32	30	
Surr: 4-Bromofluorobenzene	2065	0	2000	0	103	80-110	2035	1.46	30	
Surr: Dibromofluoromethane	1959	0	2000	0	98	85-115	1952	0.358	30	
Surr: Toluene-d8	2028	0	2000	0	101	85-110	2008	0.991	30	

The following samples were analyzed in this batch:

1707490-01A	1707490-02A	1707490-03A
1707490-04A		

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: Amanda Grzybowski ALS Work Order #: 1707490									
Purchase Order		Project Name		Project Name		CAMU Sprays		Parameter/Method Request for Analysis		Parameter/Method Request for Analysis							
Work Order		Project Number		Project Number		CAMU Sprays		BTEX 8260B, Naphthalene 8260B		Ammonia 350.1							
Company Name		USS		Bill To Company		USS		C		D							
Send Report To		John Prusiecki		Invoice Attn.				E		F							
Address		Address		Address				G		H							
City/State/Zip		City/State/Zip		City/State/Zip				I		J							
Phone		Phone		Phone													
Fax		Fax		Fax													
e-Mail Address		e-Mail Address		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]	7/12/17	1000	AQ	1	3	X										
2	CAMU Spray Influent [Grab]	7/12/17	1006	AQ	3	1		X									
3																	
4	CAMU Spray Middle [Grab]	7/12/17	1005	AQ	1	3	X										
5	CAMU Spray Middle [Grab]	7/12/17	1005	AQ	3	1		X									
6																	
7	CAMU Spray Effluent [Grab]	7/12/17	1010	AQ	1	3	X										
8	CAMU Spray Effluent [Grab]	7/12/17	1010	AQ	3	1		X									
9																	
10	CAMU Spray Trip Blank	7/12/17	0810	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. SHAWKINS Fred Kinsey ALS		Received by:		<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			
Relinquished by:		Date:		Time:		Notes:	
[Signature]		7/12/17		1210		7/12/17 1116	
Relinquished by:		Date:		Time:		QC Package: (Check Box Below)	
[Signature]		7/12/17		1210		<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data <input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV	
Logged by (Laboratory):		Date:		Time:		ALS Cooler ID: HAN 2.2-1 Cooler Temp: 1.3	
						Level IV: SW846 Methods/CLP like 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	Note: Any changes 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: 12-Jul-17 00:00

Work Order: 1707490

Received by: JH

Checklist completed by Diane Shaw
eSignature

13-Jul-17
Date

Reviewed by:

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>7/12/17 16:16</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 - 2.2/2.2 c SR2

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: