



31-Jul-2017

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

Re: **(USS-GARY) CAMU SPRAY 7.28.17**

Work Order: **17071515**

Dear John,

ALS Environmental received 4 samples on 28-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 30.

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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Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Work Order: 17071515

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>
17071515-01	CAMU Spray Influent - Grab	Aqueous		7/28/2017 07:41	7/28/2017 10:10	<input type="checkbox"/>
17071515-01	CAMU Spray Influent - Grab	Aqueous		7/28/2017 07:41	7/28/2017 13:00	<input type="checkbox"/>
17071515-02	CAMU Spray Middle - Grab	Aqueous		7/28/2017 07:50	7/28/2017 10:10	<input type="checkbox"/>
17071515-02	CAMU Spray Middle - Grab	Aqueous		7/28/2017 07:50	7/28/2017 13:00	<input type="checkbox"/>
17071515-03	CAMU Spray Effluent - Grab	Aqueous		7/28/2017 08:01	7/28/2017 10:10	<input type="checkbox"/>
17071515-03	CAMU Spray Effluent - Grab	Aqueous		7/28/2017 08:01	7/28/2017 13:00	<input type="checkbox"/>
17071515-04	CAMU Spray Trip Blank	Aqueous		7/28/2017 06:30	7/28/2017 13:00	<input type="checkbox"/>

ALS Group, USA

Date: 31-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Work Order: 17071515

Case Narrative

Batch R216736, Method VOC_8260_W, Sample 17071515-01A MS/MSD: The MS and MSD recoveries were above the upper control limit. The corresponding result in the parent sample may be biased high for this analyte: Benzene, Naphthalene

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: 31-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Sample ID: CAMU Spray Influent - Grab
Collection Date: 7/28/2017 07:41 AM

Work Order: 17071515
Lab ID: 17071515-01
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	9.54		0.0400	0.320	mg NH3-N/L	10	7/28/2017 13:26
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	1,700		30	100	µg/L	100	7/28/2017 15:38
Ethylbenzene	27		4.0	10	µg/L	10	7/28/2017 20:46
m,p-Xylene	37		9.8	20	µg/L	10	7/28/2017 20:46
Naphthalene	2,400		18	500	µg/L	100	7/28/2017 15:38
o-Xylene	18		3.5	10	µg/L	10	7/28/2017 20:46
Toluene	32		3.7	10	µg/L	10	7/28/2017 20:46
Xylenes, Total	55		13	30	µg/L	10	7/28/2017 20:46
Surr: 1,2-Dichloroethane-d4	108			75-120	%REC	100	7/28/2017 15:38
Surr: 1,2-Dichloroethane-d4	110			75-120	%REC	10	7/28/2017 20:46
Surr: 4-Bromofluorobenzene	90.2			80-110	%REC	100	7/28/2017 15:38
Surr: 4-Bromofluorobenzene	93.8			80-110	%REC	10	7/28/2017 20:46
Surr: Dibromofluoromethane	103			85-115	%REC	100	7/28/2017 15:38
Surr: Dibromofluoromethane	103			85-115	%REC	10	7/28/2017 20:46
Surr: Toluene-d8	97.6			85-110	%REC	100	7/28/2017 15:38
Surr: Toluene-d8	97.2			85-110	%REC	10	7/28/2017 20:46

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

ALS Group, USA

Date: 31-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Sample ID: CAMU Spray Middle - Grab
Collection Date: 7/28/2017 07:50 AM

Work Order: 17071515
Lab ID: 17071515-02
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	9.52		0.0400	0.320	mg NH3-N/L	10	7/28/2017 13:28
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	< 1.0		0.30	1.0	µg/L	1	7/28/2017 16:27
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/28/2017 16:27
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/28/2017 16:27
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/28/2017 16:27
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/28/2017 16:27
Toluene	< 1.0		0.37	1.0	µg/L	1	7/28/2017 16:27
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/28/2017 16:27
Surr: 1,2-Dichloroethane-d4	108			75-120	%REC	1	7/28/2017 16:27
Surr: 4-Bromofluorobenzene	91.1			80-110	%REC	1	7/28/2017 16:27
Surr: Dibromofluoromethane	102			85-115	%REC	1	7/28/2017 16:27
Surr: Toluene-d8	99.6			85-110	%REC	1	7/28/2017 16:27

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

ALS Group, USA

Date: 31-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Sample ID: CAMU Spray Effluent - Grab
Collection Date: 7/28/2017 08:01 AM

Work Order: 17071515
Lab ID: 17071515-03
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	9.48		0.0400	0.320	mg NH3-N/L	10	7/28/2017 13:29
VOLATILE ORGANIC COMPOUNDS							
			Method: SW8260B				Analyst: AK
Benzene	< 1.0		0.30	1.0	µg/L	1	7/28/2017 15:06
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/28/2017 15:06
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/28/2017 15:06
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/28/2017 15:06
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/28/2017 15:06
Toluene	< 1.0		0.37	1.0	µg/L	1	7/28/2017 15:06
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/28/2017 15:06
Surr: 1,2-Dichloroethane-d4	109			75-120	%REC	1	7/28/2017 15:06
Surr: 4-Bromofluorobenzene	90.7			80-110	%REC	1	7/28/2017 15:06
Surr: Dibromofluoromethane	106			85-115	%REC	1	7/28/2017 15:06
Surr: Toluene-d8	96.2			85-110	%REC	1	7/28/2017 15:06

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

ALS Group, USA

Date: 31-Jul-17

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
Sample ID: CAMU Spray Trip Blank
Collection Date: 7/28/2017 06:30 AM

Work Order: 17071515
Lab ID: 17071515-04
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	7/28/2017 14:50
Ethylbenzene	< 1.0		0.40	1.0	µg/L	1	7/28/2017 14:50
m,p-Xylene	< 2.0		0.98	2.0	µg/L	1	7/28/2017 14:50
Naphthalene	< 5.0		0.18	5.0	µg/L	1	7/28/2017 14:50
o-Xylene	< 1.0		0.35	1.0	µg/L	1	7/28/2017 14:50
Toluene	< 1.0		0.37	1.0	µg/L	1	7/28/2017 14:50
Xylenes, Total	< 3.0		1.3	3.0	µg/L	1	7/28/2017 14:50
Surr: 1,2-Dichloroethane-d4	108			75-120	%REC	1	7/28/2017 14:50
Surr: 4-Bromofluorobenzene	94.0			80-110	%REC	1	7/28/2017 14:50
Surr: Dibromofluoromethane	104			85-115	%REC	1	7/28/2017 14:50
Surr: Toluene-d8	98.2			85-110	%REC	1	7/28/2017 14:50

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

Client: U.S. Steel - Gary Works
Project: (USS-GARY) CAMU SPRAY 7.28.17
WorkOrder: 17071515

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: 17071515

Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216763** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MBLK	Sample ID: MBLK-R216763					Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:24 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554796		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-R216763					Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:00 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554835		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-R216763					Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:25 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554797		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 0.1921 0.032 0.2 0 96 90-110 0

LCS	Sample ID: LCS-R216763					Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:01 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554836		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 0.192 0.032 0.2 0 96 90-110 0

MS	Sample ID: 17071267-02A MS					Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:32 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554805		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 1.116 0.032 0.2 0.9 108 90-110 0 O

MS	Sample ID: 17071332-09B MS					Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:48 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554822		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 0.2125 0.032 0.2 0.0312 90.6 90-110 0

MS	Sample ID: 17071419-01A MS					Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:08 PM		
Client ID:	Run ID: VAL-LACHAT_170728B				SeqNo: 4554844		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 0.1886 0.032 0.2 0.0236 82.5 90-110 0 S

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

Client: U.S. Steel - Gary Works
 Work Order: 17071515
 Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216763** Instrument ID **VAL-LACHAT** Method: **E350.1 R2.0**

MS		Sample ID: 17071507-09B MS				Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:23 PM		
Client ID:		Run ID: VAL-LACHAT_170728B				SeqNo: 4554860		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 0.2331 0.032 0.2 0.0459 93.6 90-110 0

MSD		Sample ID: 17071267-02A MSD				Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:34 PM		
Client ID:		Run ID: VAL-LACHAT_170728B				SeqNo: 4554807		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 1.113 0.032 0.2 0.9 106 90-110 1.116 0.314 20 O

MSD		Sample ID: 17071332-09B MSD				Units: mg NH3-N/L		Analysis Date: 7/28/2017 01:49 PM		
Client ID:		Run ID: VAL-LACHAT_170728B				SeqNo: 4554823		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 0.2089 0.032 0.2 0.0312 88.8 90-110 0.2125 1.71 20 S

MSD		Sample ID: 17071419-01A MSD				Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:10 PM		
Client ID:		Run ID: VAL-LACHAT_170728B				SeqNo: 4554845		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 0.1845 0.032 0.2 0.0236 80.4 90-110 0.1886 2.2 20 S

MSD		Sample ID: 17071507-09B MSD				Units: mg NH3-N/L		Analysis Date: 7/28/2017 02:24 PM		
Client ID:		Run ID: VAL-LACHAT_170728B				SeqNo: 4554862		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 0.2287 0.032 0.2 0.0459 91.4 90-110 0.2331 1.91 20

The following samples were analyzed in this batch:

17071515-01B	17071515-02B	17071515-03B
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

MBLK		Sample ID: VLKW1-170728-R216736				Units: µg/L		Analysis Date: 7/28/2017 12:43 PM		
Client ID:		Run ID: VMS10_170728A				SeqNo: 4557131		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	U	1.0								
1,1,1-Trichloroethane	U	1.0								
1,1,2,2-Tetrachloroethane	U	1.0								
1,1,2-Trichloroethane	U	1.0								
1,1,2-Trichlorotrifluoroethane	U	1.0								
1,1-Dichloroethane	U	1.0								
1,1-Dichloroethene	U	1.0								
1,1-Dichloropropene	U	1.0								
1,2,3-Trichlorobenzene	U	1.0								
1,2,3-Trichloropropane	U	1.0								
1,2,3-Trimethylbenzene	U	1.0								
1,2,4-Trichlorobenzene	U	1.0								
1,2,4-Trimethylbenzene	U	1.0								
1,2-Dibromo-3-chloropropane	U	1.0								
1,2-Dibromoethane	U	1.0								
1,2-Dichlorobenzene	U	1.0								
1,2-Dichloroethane	U	1.0								
1,2-Dichloropropane	U	1.0								
1,3,5-Trichlorobenzene	U	1.0								
1,3,5-Trimethylbenzene	U	1.0								
1,3-Dichlorobenzene	U	1.0								
1,3-Dichloropropane	U	1.0								
1,3-Diethylbenzene	U	1.0								
1,4-Dichlorobenzene	U	1.0								
1,4-Dioxane	U	120								
1-Methylnaphthalene	U	5.0								
2,2,4-Trimethylpentane	U	1.0								
2,2-Dichloropropane	U	1.0								
2-Butanone	U	5.0								
2-Chloro-1,3-butadiene	U	1.0								
2-Chloroethyl vinyl ether	U	10								
2-Chlorotoluene	U	1.0								
2-Hexanone	U	5.0								
2-Methylnaphthalene	U	5.0								
4-Chlorobenzotrifluoride	U	1.0								
4-Chlorotoluene	U	1.0								
4-Isopropyltoluene	U	1.0								
4-Methyl-2-pentanone	U	1.0								
Acetone	U	10								
Acetonitrile	U	1.0								
Acrolein	U	10								
Acrylonitrile	U	1.0								

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B
Allyl chloride	U	1.0
Benzene	U	1.0
Benzyl chloride	U	1.0
Bromobenzene	U	1.0
Bromochloromethane	U	1.0
Bromodichloromethane	U	1.0
Bromoform	U	1.0
Bromomethane	U	1.0
Butyl acetate	U	1.0
Carbon disulfide	U	1.0
Carbon tetrachloride	U	1.0
Chlorobenzene	U	1.0
Chloroethane	U	1.0
Chloroform	U	1.0
Chloromethane	U	1.0
Chloropicrin	U	100
Chloroprene	U	1.0
cis-1,2-Dichloroethene	U	1.0
cis-1,3-Dichloropropene	U	1.0
Cyclohexane	U	1.0
Cyclohexanone	U	5.0
Dibromochloromethane	U	1.0
Dibromomethane	U	1.0
Dichlorodifluoromethane	U	1.0
Dichloromethane	U	5.0
Diethyl ether	U	1.0
Diisopropyl ether	U	5.0
Epichlorohydrin	U	5.0
Ethyl acetate	U	5.0
Ethyl methacrylate	U	1.0
Ethyl tert butyl ether	U	1.0
Ethylbenzene	U	1.0
GRO (C6-C10)	U	50
Hexachlorobutadiene	U	1.0
Hexachloroethane	U	1.0
Hexane	U	1.0
Iodomethane	U	1.0
Isobutyl alcohol	U	1.0
Isopropylbenzene	U	1.0
Library Search (Attached)	U	0
m,p-Xylene	U	2.0
Methacrylonitrile	U	1.0
Methyl acetate	U	2.0
Methyl iodide	U	1.0
Methyl methacrylate	U	1.0
Methyl tert-butyl ether	U	1.0
Methylcyclohexane	U	1.0
Methylene chloride	U	5.0

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B						
Naphthalene	U	5.0						
n-Butyl alcohol	U	50						
n-Butylbenzene	U	1.0						
n-Heptane	U	5.0						
n-Propyl acetate	U	0						
n-Propylbenzene	U	1.0						
o-Xylene	U	1.0						
Pentachloroethane	U	1.0						
p-Isopropyltoluene	U	1.0						
Propionitrile	U	10						
Scan for Volatile Organics	U	0						
sec-Butylbenzene	U	1.0						
Styrene	U	1.0						
t-Butanol	U	20						
t-Butyl ethyl ether	U	1.0						
tert-Butyl alcohol	U	20						
tert-Butylbenzene	U	1.0						
Tertiaryamylmethylether	U	1.0						
Tetrachloroethene	U	1.0						
Tetrahydrofuran	U	1.0						
Toluene	U	1.0						
trans-1,2-Dichloroethene	U	1.0						
trans-1,3-Dichloropropene	U	1.0						
trans-1,4-Dichloro-2-butene	U	2.0						
Trichloroethene	U	1.0						
Trichlorofluoromethane	U	1.0						
Vinyl acetate	U	5.0						
Vinyl chloride	U	1.0						
1,2-Dichloroethene, Total	U	2.0						
1,3-Dichloropropene, Total	U	2.0						
Xylenes, Total	U	3.0						
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>21.26</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>106</i>	<i>75-120</i>	<i>0</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>18.55</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>92.8</i>	<i>80-110</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>20.8</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>19.43</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>97.2</i>	<i>85-110</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

MBLK		Sample ID: MBLK--R216736				Units: µg/Kg-dry		Analysis Date: 7/28/2017 04:10 PM		
Client ID:		Run ID: VMS10_170728A				SeqNo: 4557327		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	U	30								
1,1,1-Trichloroethane	U	30								
1,1,2,2-Tetrachloroethane	U	30								
1,1,2-Trichloroethane	U	30								
1,1,2-Trichlorotrifluoroethane	U	30								
1,1-Dichloroethane	U	30								
1,1-Dichloroethene	U	30								
1,1-Dichloropropene	U	30								
1,2,3-Trichlorobenzene	U	30								
1,2,3-Trichloropropane	U	30								
1,2,3-Trimethylbenzene	U	30								
1,2,4-Trichlorobenzene	U	30								
1,2,4-Trimethylbenzene	U	30								
1,2-Dibromo-3-chloropropane	U	30								
1,2-Dibromoethane	U	30								
1,2-Dichlorobenzene	U	30								
1,2-Dichloroethane	U	30								
1,2-Dichloropropane	U	30								
1,3,5-Trichlorobenzene	U	100								
1,3,5-Trimethylbenzene	U	30								
1,3-Dichlorobenzene	U	30								
1,3-Dichloropropane	U	30								
1,3-Diethylbenzene	U	30								
1,4-Dichlorobenzene	U	30								
1,4-Dioxane	U	10,000								
1-Methylnaphthalene	U	100								
2,2,4-Trimethylpentane	U	30								
2,2-Dichloropropane	U	30								
2-Butanone	U	200								
2-Chlorotoluene	U	30								
2-Hexanone	U	30								
2-Methylnaphthalene	U	100								
4-Chlorobenzotrifluoride	U	0								
4-Chlorotoluene	U	30								
4-Isopropyltoluene	U	30								
4-Methyl-2-pentanone	U	30								
Acetone	U	100								
Acetonitrile	U	100								
Acrolein	U	200								
Acrylonitrile	U	100								
Allyl chloride	U	100								
Benzene	U	30								

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B
Benzyl chloride	U	30
Bromobenzene	U	30
Bromochloromethane	U	30
Bromodichloromethane	U	30
Bromoform	U	30
Bromomethane	U	75
Butyl acetate	U	100
Carbon disulfide	U	30
Carbon tetrachloride	U	30
Chlorobenzene	U	30
Chloroethane	U	100
Chloroform	U	30
Chloromethane	U	100
Chloropicrin	U	1,000
Chloroprene	U	100
cis-1,2-Dichloroethene	U	30
cis-1,3-Dichloropropene	U	30
Cyclohexane	U	30
Cyclohexanone	U	200
Dibromochloromethane	U	30
Dibromomethane	U	30
Dichlorodifluoromethane	U	30
Dichloromethane	U	30
Diethyl ether	U	30
Diisopropyl ether	U	30
Epichlorohydrin	U	0
Ethyl acetate	U	200
Ethyl methacrylate	U	30
Ethyl tert butyl ether	U	30
Ethylbenzene	U	30
GRO (C6-C10)	U	2,500
Hexachlorobutadiene	U	100
Hexachloroethane	U	100
Hexane	U	100
Iodomethane	U	75
Isobutyl alcohol	U	200
Isopropylbenzene	U	30
Library Search (Attached)	U	0
m,p-Xylene	U	60
Methacrylonitrile	U	100
Methyl acetate	U	200
Methyl iodide	U	75
Methyl methacrylate	U	100
Methyl tert-butyl ether	U	30
Methylcyclohexane	U	30
Methylene chloride	U	30
Naphthalene	U	100
n-Butyl alcohol	U	200

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736		Instrument ID VMS10		Method: SW8260B				
n-Butylbenzene	U	30						
n-Propyl acetate	U	0						
n-Propylbenzene	U	30						
o-Xylene	U	30						
Pentachloroethane	U	30						
p-Isopropyltoluene	U	30						
Propionitrile	U	100						
sec-Butylbenzene	U	30						
Styrene	U	30						
tert-Butyl alcohol	U	200						
tert-Butylbenzene	U	30						
Tertiaryamylmethylether	U	30						
Tetrachloroethene	U	30						
Tetrahydrofuran	U	200						
Toluene	U	30						
trans-1,2-Dichloroethene	U	30						
trans-1,3-Dichloropropene	U	30						
trans-1,4-Dichloro-2-butene	U	30						
Trichloroethene	U	30						
Trichlorofluoromethane	U	30						
Vinyl acetate	U	250						
Vinyl chloride	U	30						
1,2-Dichloroethene, Total	U	60						
1,3-Dichloropropene, Total	U	60						
Xylenes, Total	U	90						
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>21.27</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>106</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>18.26</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>91.3</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>18.75</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>93.8</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>20.04</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>100</i>	<i>70-130</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
 Work Order: 17071515
 Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

LCS		Sample ID: VLCSW1-170728-R216736				Units: µg/L		Analysis Date: 7/28/2017 11:56 AM		
Client ID:		Run ID: VMS10_170728A				SeqNo: 4557130		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	19.88	1.0	20	0	99.4	80-130	0			
1,1,1-Trichloroethane	20.42	1.0	20	0	102	75-130	0			
1,1,2,2-Tetrachloroethane	18.98	1.0	20	0	94.9	75-130	0			
1,1,2-Trichloroethane	19.97	1.0	20	0	99.8	75-125	0			
1,1-Dichloroethane	20.42	1.0	20	0	102	75-133	0			
1,1-Dichloroethene	20.09	1.0	20	0	100	70-145	0			
1,1-Dichloropropene	19.39	1.0	20	0	97	75-135	0			
1,2,3-Trichlorobenzene	18.36	1.0	20	0	91.8	70-140	0			
1,2,3-Trichloropropane	18.94	1.0	20	0	94.7	75-125	0			
1,2,3-Trimethylbenzene	20.66	1.0	20	0	103	75-130	0			
1,2,4-Trichlorobenzene	17.71	1.0	20	0	88.6	70-135	0			
1,2,4-Trimethylbenzene	18.23	1.0	20	0	91.2	75-130	0			
1,2-Dibromo-3-chloropropane	16.54	1.0	20	0	82.7	60-130	0			
1,2-Dibromoethane	20	1.0	20	0	100	67-155	0			
1,2-Dichlorobenzene	18.83	1.0	20	0	94.2	70-130	0			
1,2-Dichloroethane	20.04	1.0	20	0	100	78-125	0			
1,2-Dichloropropane	20.47	1.0	20	0	102	75-125	0			
1,3,5-Trimethylbenzene	20.47	1.0	20	0	102	75-130	0			
1,3-Dichlorobenzene	18.96	1.0	20	0	94.8	75-130	0			
1,3-Dichloropropane	19.65	1.0	20	0	98.2	75-125	0			
1,4-Dichlorobenzene	19.07	1.0	20	0	95.4	75-130	0			
2,2-Dichloropropane	20.1	1.0	20	0	100	43-150	0			
2-Butanone	16.83	5.0	20	0	84.2	55-150	0			
2-Chlorotoluene	20.17	1.0	20	0	101	84-133	0			
2-Hexanone	18.25	5.0	20	0	91.2	60-135	0			
4-Chlorotoluene	19.81	1.0	20	0	99	80-125	0			
4-Isopropyltoluene	20.2	1.0	20	0	101	61-164	0			
4-Methyl-2-pentanone	27.68	1.0	20	0	138	77-178	0			
Acetone	17.55	10	20	0	87.8	60-160	0			
Acrylonitrile	17.87	1.0	20	0	89.4	60-140	0			
Allyl chloride	15.63	1.0	20	0	78.2	70-130	0			
Benzene	20.17	1.0	20	0	101	85-125	0			
Bromobenzene	18.63	1.0	20	0	93.2	80-125	0			
Bromochloromethane	20.76	1.0	20	0	104	72-141	0			
Bromodichloromethane	19.69	1.0	20	0	98.4	75-125	0			
Bromoform	16.68	1.0	20	0	83.4	60-125	0			
Bromomethane	17.46	1.0	20	0	87.3	30-185	0			
Butyl acetate	16.23	1.0	20	0	81.2	70-130	0			
Carbon disulfide	18.31	1.0	20	0	91.6	60-165	0			
Carbon tetrachloride	20.47	1.0	20	0	102	65-140	0			
Chlorobenzene	19.02	1.0	20	0	95.1	80-120	0			
Chloroethane	18.67	1.0	20	0	93.4	50-140	0			

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10			Method: SW8260B			
Chloroform	19.94	1.0	20	0	99.7	80-130	0
Chloromethane	17.07	1.0	20	0	85.4	46-148	0
cis-1,2-Dichloroethene	19.76	1.0	20	0	98.8	75-134	0
cis-1,3-Dichloropropene	20.3	1.0	20	0	102	70-130	0
Dibromochloromethane	18.99	1.0	20	0	95	60-115	0
Dibromomethane	19.62	1.0	20	0	98.1	85-125	0
Dichlorodifluoromethane	11.85	1.0	20	0	59.2	20-120	0
Dichloromethane	19.59	5.0	20	0	98	75-140	0
Diethyl ether	18.71	1.0	20	0	93.6	70-130	0
Diisopropyl ether	17.5	5.0	20	0	87.5	70-130	0
Ethyl acetate	16.86	5.0	20	0	84.3	70-130	0
Ethyl methacrylate	16.48	1.0	20	0	82.4	70-130	0
Ethyl tert butyl ether	16.65	1.0	20	0	83.2	70-130	0
Ethylbenzene	19.56	1.0	20	0	97.8	85-125	0
Hexachlorobutadiene	20.5	1.0	20	0	102	70-155	0
Hexachloroethane	17.24	1.0	20	0	86.2	50-124	0
Iodomethane	25.49	1.0	20	0	127	60-160	0
Isopropylbenzene	20.11	1.0	20	0	101	80-127	0
m,p-Xylene	40.2	2.0	40	0	100	75-130	0
Methacrylonitrile	17.67	1.0	20	0	88.4	70-130	0
Methyl iodide	25.49	1.0	20	0	127	60-160	0
Methyl methacrylate	17.37	1.0	20	0	86.8	70-130	0
Methyl tert-butyl ether	18.06	1.0	20	0	90.3	80-130	0
Methylene chloride	19.59	5.0	20	0	98	75-140	0
Naphthalene	16.43	5.0	20	0	82.2	55-160	0
n-Butylbenzene	19.88	1.0	20	0	99.4	75-145	0
n-Propylbenzene	20.16	1.0	20	0	101	83-135	0
o-Xylene	19.95	1.0	20	0	99.8	80-125	0
p-Isopropyltoluene	20.2	1.0	20	0	101	61-164	0
sec-Butylbenzene	19.96	1.0	20	0	99.8	80-134	0
Styrene	20.43	1.0	20	0	102	83-137	0
t-Butyl ethyl ether	16.65	1.0	20	0	83.2	70-130	0
tert-Butyl alcohol	74.81	20	100	0	74.8	70-130	0
tert-Butylbenzene	19.69	1.0	20	0	98.4	70-130	0
Tertiaryamylmethylether	17.19	1.0	20	0	86	70-130	0
Tetrachloroethene	19.06	1.0	20	0	95.3	68-166	0
Tetrahydrofuran	17.12	1.0	20	0	85.6	54-139	0
Toluene	18.84	1.0	20	0	94.2	85-125	0
trans-1,2-Dichloroethene	20.27	1.0	20	0	101	80-140	0
trans-1,3-Dichloropropene	16.07	1.0	20	0	80.4	56-132	0
trans-1,4-Dichloro-2-butene	16.05	2.0	20	0	80.2	46-118	0
Trichloroethene	20.21	1.0	20	0	101	84-130	0
Trichlorofluoromethane	17.07	1.0	20	0	85.4	60-140	0
Vinyl chloride	16	1.0	20	0	80	50-136	0
1,2-Dichloroethene, Total	40.03	2.0	40	0	100	70-130	0
1,3-Dichloropropene, Total	36.37	2.0	40	0	90.9	70-130	0
Xylenes, Total	60.15	3.0	60	0	100	80-126	0
<i>Surr: 1,2-Dichloroethane-d4</i>	20.88	0	20	0	104	75-120	0

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B						
<i>Surr: 4-Bromofluorobenzene</i>	<i>20.07</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>100</i>	<i>80-110</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>20.88</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>104</i>	<i>85-115</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>20.11</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>101</i>	<i>85-110</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

LCS		Sample ID: LCS--R216736				Units: µg/Kg-dry		Analysis Date: 7/28/2017 12:12 PM		
Client ID:		Run ID: VMS10_170728A				SeqNo: 4557326		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	20.42	30	20	0	102	75-125	0			J
1,1,1-Trichloroethane	20.55	30	20	0	103	70-135	0			J
1,1,2,2-Tetrachloroethane	19.23	30	20	0	96.2	55-130	0			J
1,1,2-Trichloroethane	20.36	30	20	0	102	60-125	0			J
1,1-Dichloroethane	20.62	30	20	0	103	75-125	0			J
1,1-Dichloroethene	20.03	30	20	0	100	65-135	0			J
1,1-Dichloropropene	20.1	30	20	0	100	70-135	0			J
1,2,3-Trichlorobenzene	18.84	30	20	0	94.2	60-135	0			J
1,2,3-Trichloropropane	U	30	20	0	0	65-130	0			S
1,2,3-Trimethylbenzene	21.14	30	20	0	106	65-135	0			J
1,2,4-Trichlorobenzene	U	30	20	0	0	65-130	0			S
1,2,4-Trimethylbenzene	18.34	30	20	0	91.7	65-135	0			J
1,2-Dibromo-3-chloropropane	16.94	30	20	0	84.7	40-135	0			J
1,2-Dibromoethane	20.82	30	20	0	104	80-195	0			J
1,2-Dichlorobenzene	19.05	30	20	0	95.2	75-120	0			J
1,2-Dichloroethane	20.52	30	20	0	103	70-135	0			J
1,2-Dichloropropane	21.19	30	20	0	106	70-120	0			J
1,3,5-Trimethylbenzene	20.86	30	20	0	104	65-135	0			J
1,3-Dichlorobenzene	19.18	30	20	0	95.9	70-125	0			J
1,3-Dichloropropane	20.11	30	20	0	101	75-125	0			J
1,4-Dichlorobenzene	19.25	30	20	0	96.2	70-125	0			J
2,2-Dichloropropane	20.15	30	20	0	101	54-146	0			J
2-Butanone	U	200	20	0	0	30-160	0			S
2-Chlorotoluene	20.77	30	20	0	104	70-130	0			J
2-Hexanone	U	30	20	0	0	45-145	0			S
4-Chlorotoluene	19.66	30	20	0	98.3	75-125	0			J
4-Isopropyltoluene	20.58	30	20	0	103	70-130	0			J
4-Methyl-2-pentanone	28.51	30	20	0	143	74-176	0			J
Acetone	U	100	20	0	0	20-160	0			S
Acrylonitrile	U	100	20	0	0	70-135	0			S
Allyl chloride	U	100	20	0	0	70-130	0			S
Benzene	20.3	30	20	0	102	75-125	0			J
Bromobenzene	19.15	30	20	0	95.8	65-120	0			J
Bromochloromethane	20.44	30	20	0	102	74-134	0			J
Bromodichloromethane	19.62	30	20	0	98.1	70-130	0			J
Bromoform	16.75	30	20	0	83.8	55-135	0			J
Bromomethane	17.73	75	20	0	88.6	50-170	0			J
Butyl acetate	17.07	100	20	0	85.4	70-130	0			J
Carbon disulfide	18.47	30	20	0	92.4	45-160	0			J
Carbon tetrachloride	20.93	30	20	0	105	65-135	0			J
Chlorobenzene	19.44	30	20	0	97.2	75-125	0			J
Chloroethane	U	100	20	0	0	40-155	0			S

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10			Method: SW8260B				
Chloroform	20.11	30	20	0	101	70-125	0	J
Chloromethane	17.32	100	20	0	86.6	50-144	0	J
cis-1,2-Dichloroethene	20.06	30	20	0	100	65-125	0	J
cis-1,3-Dichloropropene	20.05	30	20	0	100	70-125	0	J
Dibromochloromethane	19.21	30	20	0	96	65-135	0	J
Dibromomethane	20.08	30	20	0	100	75-130	0	J
Dichlorodifluoromethane	U	30	20	0	0	35-135	0	S
Dichloromethane	19.81	30	20	0	99	55-145	0	J
Diethyl ether	19.03	30	20	0	95.2	70-130	0	J
Diisopropyl ether	17.47	30	20	0	87.4	70-130	0	J
Ethyl acetate	U	200	20	0	0	70-130	0	S
Ethyl methacrylate	16.75	30	20	0	83.8	70-130	0	J
Ethyl tert butyl ether	16.94	30	20	0	84.7	70-130	0	J
Ethylbenzene	19.84	30	20	0	99.2	75-125	0	J
Hexachlorobutadiene	20.29	100	20	0	101	55-140	0	J
Hexachloroethane	U	100	20	0	0	51-122	0	S
Iodomethane	U	75	20	0	0	64-180	0	S
Isopropylbenzene	20.65	30	20	0	103	75-130	0	J
m,p-Xylene	40.69	60	40	0	102	80-125	0	J
Methacrylonitrile	U	100	20	0	0	70-130	0	S
Methyl iodide	U	75	20	0	0	64-180	0	S
Methyl methacrylate	17.47	100	20	0	87.4	70-130	0	J
Methyl tert-butyl ether	18.14	30	20	0	90.7	75-125	0	J
Methylene chloride	19.81	30	20	0	99	55-145	0	J
Naphthalene	16.92	100	20	0	84.6	40-140	0	J
n-Butylbenzene	20.26	30	20	0	101	65-140	0	J
n-Propylbenzene	20.49	30	20	0	102	65-135	0	J
o-Xylene	20.22	30	20	0	101	75-125	0	J
p-Isopropyltoluene	20.58	30	20	0	103	71-157	0	J
sec-Butylbenzene	20.41	30	20	0	102	65-130	0	J
Styrene	U	30	20	0	0	80-138	0	S
tert-Butyl alcohol	U	200	100	0	0	70-130	0	S
tert-Butylbenzene	20.3	30	20	0	102	65-130	0	J
Tertiaryamylmethylether	17.72	30	20	0	88.6	70-130	0	J
Tetrachloroethene	19.92	30	20	0	99.6	67-167	0	J
Tetrahydrofuran	U	200	20	0	0	70-135	0	S
Toluene	19.18	30	20	0	95.9	70-125	0	J
trans-1,2-Dichloroethene	20.04	30	20	0	100	65-135	0	J
trans-1,3-Dichloropropene	16.18	30	20	0	80.9	59-129	0	J
trans-1,4-Dichloro-2-butene	U	30	20	0	0	62-112	0	S
Trichloroethene	20.43	30	20	0	102	75-125	0	J
Trichlorofluoromethane	18.1	30	20	0	90.5	25-185	0	J
Vinyl chloride	16.53	30	20	0	82.6	60-125	0	J
1,2-Dichloroethene, Total	40.1	60	40	0	100	70-130	0	J
1,3-Dichloropropene, Total	36.23	60	40	0	90.6	70-130	0	J
Xylenes, Total	60.91	90	60	0	102	75-125	0	J
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>21.37</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>107</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>20.12</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>101</i>	<i>70-130</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B						
<i>Surr: Dibromofluoromethane</i>	<i>21.09</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>105</i>	<i>70-130</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>20.32</i>	<i>0</i>	<i>20</i>	<i>0</i>	<i>102</i>	<i>70-130</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
 Work Order: 17071515
 Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

MS				Sample ID: 17071515-01A MS			Units: µg/L		Analysis Date: 7/28/2017 09:02 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS10_170728A			SeqNo: 4557154		Prep Date:	
									DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	194.7	10	200	0	97.4	80-130	0			
1,1,1-Trichloroethane	193.3	10	200	0	96.6	75-130	0			
1,1,2,2-Tetrachloroethane	191.6	10	200	0	95.8	75-130	0			
1,1,2-Trichloroethane	195.4	10	200	0	97.7	75-125	0			
1,1-Dichloroethane	202.6	10	200	0	101	75-133	0			
1,1-Dichloroethene	189	10	200	0	94.5	70-145	0			
1,1-Dichloropropene	196.9	10	200	0	98.4	75-135	0			
1,2,3-Trichlorobenzene	193.9	10	200	0	97	70-140	0			
1,2,3-Trichloropropane	195.7	10	200	0	97.8	75-125	0			
1,2,3-Trimethylbenzene	209.1	10	200	0	105	75-130	0			
1,2,4-Trichlorobenzene	180.1	10	200	0	90	70-135	0			
1,2,4-Trimethylbenzene	189.7	10	200	12.7	88.5	75-130	0			
1,2-Dibromo-3-chloropropane	174	10	200	0	87	60-130	0			
1,2-Dibromoethane	200.7	10	200	0	100	67-155	0			
1,2-Dichlorobenzene	187	10	200	0	93.5	70-130	0			
1,2-Dichloroethane	202.2	10	200	0	101	78-125	0			
1,2-Dichloropropane	207.4	10	200	0	104	75-125	0			
1,3,5-Trimethylbenzene	216.2	10	200	5.4	105	75-130	0			
1,3-Dichlorobenzene	185.8	10	200	0	92.9	75-130	0			
1,3-Dichloropropane	197.1	10	200	0	98.6	75-125	0			
1,4-Dichlorobenzene	187.9	10	200	0	94	75-130	0			
2,2-Dichloropropane	187.2	10	200	0	93.6	43-150	0			
2-Butanone	165.5	50	200	0	82.8	55-150	0			
2-Chlorotoluene	203.9	10	200	0	102	84-133	0			
2-Hexanone	196.7	50	200	0	98.4	60-135	0			
4-Chlorotoluene	196.8	10	200	0	98.4	80-125	0			
4-Isopropyltoluene	203.2	10	200	0	102	61-164	0			
4-Methyl-2-pentanone	283.3	10	200	0	142	77-178	0			
Acetone	186.7	100	200	0	93.4	60-160	0			
Acrylonitrile	191.1	10	200	0	95.6	60-140	0			
Allyl chloride	144.9	10	200	0	72.4	70-130	0			
Benzene	1905	10	200	1779	63.2	85-125	0			SEO
Bromobenzene	185.1	10	200	0	92.6	80-125	0			
Bromochloromethane	206	10	200	0	103	72-141	0			
Bromodichloromethane	189	10	200	0	94.5	75-125	0			
Bromoform	159.9	10	200	0	80	60-125	0			
Bromomethane	147	10	200	0	73.5	30-185	0			
Butyl acetate	172	10	200	0	86	70-130	0			
Carbon disulfide	158	10	200	0	79	60-165	0			
Carbon tetrachloride	202.7	10	200	0	101	65-140	0			
Chlorobenzene	191.6	10	200	0	95.8	80-120	0			
Chloroethane	164.2	10	200	0	82.1	50-140	0			

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736		Instrument ID VMS10		Method: SW8260B					
Chloroform	196.1	10	200	0	98	80-130	0		
Chloromethane	146.1	10	200	0	73	46-148	0		
cis-1,2-Dichloroethene	195.3	10	200	0	97.6	75-134	0		
cis-1,3-Dichloropropene	190.3	10	200	0	95.2	70-130	0		
Dibromochloromethane	182.9	10	200	0	91.4	60-115	0		
Dibromomethane	191.4	10	200	0	95.7	85-125	0		
Dichlorodifluoromethane	90	10	200	0	45	20-120	0		
Dichloromethane	184.9	50	200	0	92.4	75-140	0		
Diethyl ether	181.4	10	200	0	90.7	70-130	0		
Diisopropyl ether	172	50	200	0	86	70-130	0		
Ethyl acetate	177.4	50	200	0	88.7	70-130	0		
Ethyl methacrylate	165.1	10	200	0	82.6	70-130	0		
Ethyl tert butyl ether	165.2	10	200	0	82.6	70-130	0		
Ethylbenzene	226.6	10	200	26.6	100	85-125	0		
Hexachlorobutadiene	192.3	10	200	0	96.2	70-155	0		
Hexachloroethane	167.7	10	200	0	83.8	50-124	0		
Iodomethane	252.8	10	200	0	126	60-160	0		
Isopropylbenzene	203.2	10	200	0	102	80-127	0		
m,p-Xylene	439.5	20	400	36.9	101	75-130	0		
Methacrylonitrile	185.5	10	200	0	92.8	70-130	0		
Methyl iodide	252.8	10	200	0	126	60-160	0		
Methyl methacrylate	174.9	10	200	0	87.4	70-130	0		
Methyl tert-butyl ether	175.4	10	200	0	87.7	80-130	0		
Methylene chloride	184.9	50	200	0	92.4	75-140	0		
Naphthalene	3066	50	200	3117	-25.3	55-160	0		SEO
n-Butylbenzene	207.7	10	200	0	104	75-145	0		
n-Propylbenzene	201.3	10	200	0	101	83-135	0		
o-Xylene	218.4	10	200	17.9	100	80-125	0		
p-Isopropyltoluene	203.2	10	200	0	102	61-164	0		
sec-Butylbenzene	202.5	10	200	0	101	80-134	0		
Styrene	200.8	10	200	0	100	83-137	0		
t-Butyl ethyl ether	165.2	10	200	0	82.6	70-130	0		
tert-Butyl alcohol	544.6	200	1000	0	54.5	70-130	0		S
tert-Butylbenzene	200.4	10	200	0	100	70-130	0		
Tertiaryamylmethylether	172.6	10	200	0	86.3	70-130	0		
Tetrachloroethene	195	10	200	0	97.5	68-166	0		
Tetrahydrofuran	185	10	200	0	92.5	54-139	0		
Toluene	222.5	10	200	32.1	95.2	85-125	0		
trans-1,2-Dichloroethene	194.8	10	200	0	97.4	80-140	0		
trans-1,3-Dichloropropene	152	10	200	0	76	56-132	0		
trans-1,4-Dichloro-2-butene	148.1	20	200	0	74	46-118	0		
Trichloroethene	196.8	10	200	0	98.4	84-130	0		
Trichlorofluoromethane	158.4	10	200	0	79.2	60-140	0		
Vinyl chloride	135.2	10	200	0	67.6	50-136	0		
1,2-Dichloroethene, Total	390.1	20	400	0	97.5	70-130	0		
1,3-Dichloropropene, Total	342.3	20	400	0	85.6	70-130	0		
Xylenes, Total	657.9	30	600	54.8	101	80-126	0		
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>215.5</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>108</i>	<i>75-120</i>	<i>0</i>		

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736	Instrument ID VMS10	Method: SW8260B						
<i>Surr: 4-Bromofluorobenzene</i>	<i>203.9</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>102</i>	<i>80-110</i>	<i>0</i>	
<i>Surr: Dibromofluoromethane</i>	<i>206.2</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>103</i>	<i>85-115</i>	<i>0</i>	
<i>Surr: Toluene-d8</i>	<i>203.7</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>102</i>	<i>85-110</i>	<i>0</i>	

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

Client: U.S. Steel - Gary Works
 Work Order: 17071515
 Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: **R216736** Instrument ID **VMS10** Method: **SW8260B**

MSD				Sample ID: 17071515-01A MSD			Units: µg/L		Analysis Date: 7/28/2017 09:18 PM	
Client ID: CAMU Spray Influent - Grab				Run ID: VMS10_170728A			SeqNo: 4557155		Prep Date:	
									DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	199.6	10	200	0	99.8	80-130	194.7	2.49	30	
1,1,1-Trichloroethane	209.4	10	200	0	105	75-130	193.3	8	30	
1,1,2,2-Tetrachloroethane	202.9	10	200	0	101	75-130	191.6	5.73	30	
1,1,2-Trichloroethane	202.3	10	200	0	101	75-125	195.4	3.47	30	
1,1-Dichloroethane	216.4	10	200	0	108	75-133	202.6	6.59	30	
1,1-Dichloroethene	204.9	10	200	0	102	70-145	189	8.07	30	
1,1-Dichloropropene	209.5	10	200	0	105	75-135	196.9	6.2	30	
1,2,3-Trichlorobenzene	209.1	10	200	0	105	70-140	193.9	7.54	30	
1,2,3-Trichloropropane	200.2	10	200	0	100	75-125	195.7	2.27	30	
1,2,3-Trimethylbenzene	221.9	10	200	0	111	75-130	209.1	5.94	30	
1,2,4-Trichlorobenzene	192.4	10	200	0	96.2	70-135	180.1	6.6	30	
1,2,4-Trimethylbenzene	200.2	10	200	12.7	93.8	75-130	189.7	5.39	30	
1,2-Dibromo-3-chloropropane	182.2	10	200	0	91.1	60-130	174	4.6	30	
1,2-Dibromoethane	211.8	10	200	0	106	67-155	200.7	5.38	30	
1,2-Dichlorobenzene	198.7	10	200	0	99.4	70-130	187	6.07	30	
1,2-Dichloroethane	205.5	10	200	0	103	78-125	202.2	1.62	30	
1,2-Dichloropropane	217	10	200	0	108	75-125	207.4	4.52	30	
1,3,5-Trimethylbenzene	225.3	10	200	5.4	110	75-130	216.2	4.12	30	
1,3-Dichlorobenzene	200.4	10	200	0	100	75-130	185.8	7.56	30	
1,3-Dichloropropane	204.7	10	200	0	102	75-125	197.1	3.78	30	
1,4-Dichlorobenzene	199.3	10	200	0	99.6	75-130	187.9	5.89	30	
2,2-Dichloropropane	202.1	10	200	0	101	43-150	187.2	7.65	30	
2-Butanone	177.4	50	200	0	88.7	55-150	165.5	6.94	30	
2-Chlorotoluene	216.3	10	200	0	108	84-133	203.9	5.9	30	
2-Hexanone	208.1	50	200	0	104	60-135	196.7	5.63	30	
4-Chlorotoluene	208.1	10	200	0	104	80-125	196.8	5.58	30	
4-Isopropyltoluene	219.7	10	200	0	110	61-164	203.2	7.8	30	
4-Methyl-2-pentanone	302.3	10	200	0	151	77-178	283.3	6.49	30	
Acetone	197	100	200	0	98.5	60-160	186.7	5.37	30	
Acrylonitrile	200.1	10	200	0	100	60-140	191.1	4.6	30	
Allyl chloride	156.1	10	200	0	78	70-130	144.9	7.44	30	
Benzene	1927	10	200	1779	74.3	85-125	1905	1.15	30	SEO
Bromobenzene	196.2	10	200	0	98.1	80-125	185.1	5.82	30	
Bromochloromethane	219.4	10	200	0	110	72-141	206	6.3	30	
Bromodichloromethane	199.6	10	200	0	99.8	75-125	189	5.46	30	
Bromoform	168.7	10	200	0	84.4	60-125	159.9	5.36	30	
Bromomethane	155.7	10	200	0	77.8	30-185	147	5.75	30	
Butyl acetate	183.3	10	200	0	91.6	70-130	172	6.36	30	
Carbon disulfide	171.6	10	200	0	85.8	60-165	158	8.25	30	
Carbon tetrachloride	214.9	10	200	0	107	65-140	202.7	5.84	30	
Chlorobenzene	200.1	10	200	0	100	80-120	191.6	4.34	30	
Chloroethane	173.8	10	200	0	86.9	50-140	164.2	5.68	30	

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

QC BATCH REPORT

Batch ID: R216736		Instrument ID VMS10		Method: SW8260B					
Chloroform	209.4	10	200	0	105	80-130	196.1	6.56	30
Chloromethane	145.4	10	200	0	72.7	46-148	146.1	0.48	30
cis-1,2-Dichloroethene	209	10	200	0	104	75-134	195.3	6.78	30
cis-1,3-Dichloropropene	197.3	10	200	0	98.6	70-130	190.3	3.61	30
Dibromochloromethane	190	10	200	0	95	60-115	182.9	3.81	30
Dibromomethane	203.5	10	200	0	102	85-125	191.4	6.13	30
Dichlorodifluoromethane	93.6	10	200	0	46.8	20-120	90	3.92	30
Dichloromethane	196.5	50	200	0	98.2	75-140	184.9	6.08	30
Diethyl ether	193.6	10	200	0	96.8	70-130	181.4	6.51	30
Diisopropyl ether	185.8	50	200	0	92.9	70-130	172	7.71	30
Ethyl acetate	196.2	50	200	0	98.1	70-130	177.4	10.1	30
Ethyl methacrylate	175.7	10	200	0	87.8	70-130	165.1	6.22	30
Ethyl tert butyl ether	179.1	10	200	0	89.6	70-130	165.2	8.07	30
Ethylbenzene	235.5	10	200	26.6	104	85-125	226.6	3.85	30
Hexachlorobutadiene	203.4	10	200	0	102	70-155	192.3	5.61	30
Hexachloroethane	182	10	200	0	91	50-124	167.7	8.18	30
Iodomethane	289.7	10	200	0	145	60-160	252.8	13.6	30
Isopropylbenzene	215.3	10	200	0	108	80-127	203.2	5.78	30
m,p-Xylene	468.8	20	400	36.9	108	75-130	439.5	6.45	30
Methacrylonitrile	198.7	10	200	0	99.4	70-130	185.5	6.87	30
Methyl iodide	289.7	10	200	0	145	60-160	252.8	13.6	30
Methyl methacrylate	185.2	10	200	0	92.6	70-130	174.9	5.72	30
Methyl tert-butyl ether	189.6	10	200	0	94.8	80-130	175.4	7.78	30
Methylene chloride	196.5	50	200	0	98.2	75-140	184.9	6.08	30
Naphthalene	3161	50	200	3117	22.1	55-160	3066	3.04	30 SEO
n-Butylbenzene	221.3	10	200	0	111	75-145	207.7	6.34	30
n-Propylbenzene	212.3	10	200	0	106	83-135	201.3	5.32	30
o-Xylene	234.2	10	200	17.9	108	80-125	218.4	6.98	30
p-Isopropyltoluene	219.7	10	200	0	110	61-164	203.2	7.8	30
sec-Butylbenzene	217.2	10	200	0	109	80-134	202.5	7.01	30
Styrene	212.5	10	200	0	106	83-137	200.8	5.66	30
t-Butyl ethyl ether	179.1	10	200	0	89.6	70-130	165.2	8.07	30
tert-Butyl alcohol	639.1	200	1000	0	63.9	70-130	544.6	16	30 S
tert-Butylbenzene	211.3	10	200	0	106	70-130	200.4	5.3	30
Tertiaryamylmethylether	184.1	10	200	0	92	70-130	172.6	6.45	30
Tetrachloroethene	201.9	10	200	0	101	68-166	195	3.48	30
Tetrahydrofuran	196.3	10	200	0	98.2	54-139	185	5.93	30
Toluene	232.9	10	200	32.1	100	85-125	222.5	4.57	30
trans-1,2-Dichloroethene	209	10	200	0	104	80-140	194.8	7.03	30
trans-1,3-Dichloropropene	163.6	10	200	0	81.8	56-132	152	7.35	30
trans-1,4-Dichloro-2-butene	151.6	20	200	0	75.8	46-118	148.1	2.34	30
Trichloroethene	206.3	10	200	0	103	84-130	196.8	4.71	30
Trichlorofluoromethane	166.2	10	200	0	83.1	60-140	158.4	4.81	30
Vinyl chloride	141	10	200	0	70.5	50-136	135.2	4.2	30
1,2-Dichloroethene, Total	418	20	400	0	104	70-130	390.1	6.91	30
1,3-Dichloropropene, Total	360.9	20	400	0	90.2	70-130	342.3	5.29	30
Xylenes, Total	703	30	600	54.8	108	80-126	657.9	6.63	30
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>211.8</i>	<i>0</i>	<i>200</i>	<i>0</i>	<i>106</i>	<i>75-120</i>	<i>215.5</i>	<i>1.73</i>	<i>30</i>

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

Client: U.S. Steel - Gary Works
Work Order: 17071515
Project: (USS-GARY) CAMU SPRAY 7.28.17

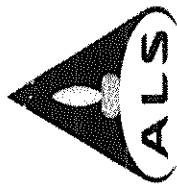
QC BATCH REPORT

Batch ID: R216736		Instrument ID VMS10		Method: SW8260B						
<i>Surr: 4-Bromofluorobenzene</i>		<i>198.9</i>	0	<i>200</i>	0	<i>99.4</i>	<i>80-110</i>	203.9	<i>2.48</i>	<i>30</i>
<i>Surr: Dibromofluoromethane</i>		<i>208.1</i>	0	<i>200</i>	0	<i>104</i>	<i>85-115</i>	206.2	<i>0.917</i>	<i>30</i>
<i>Surr: Toluene-d8</i>		<i>201</i>	0	<i>200</i>	0	<i>100</i>	<i>85-110</i>	203.7	<i>1.33</i>	<i>30</i>

The following samples were analyzed in this batch:

17071515-01A	17071515-02A	17071515-03A
17071515-04A		

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



Chain of Custody Form

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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 #: 17071515						
Project Information				Parameter/Method Request for Analysis										
Purchase Order	Project Name	Project Number	Project Name	A	B	C	D	E	F	G	H	I	J	Hold
Work Order	Project Name	Project Number	Project Name											
Company Name	Project Name	Project Number	Project Name											
Send Report To	Project Name	Project Number	Project Name											
Address	Project Name	Project Number	Project Name											
City/State/Zip	Project Name	Project Number	Project Name											
Phone	Project Name	Project Number	Project Name											
Fax	Project Name	Project Number	Project Name											
e-Mail Address	Project Name	Project Number	Project Name											
1	CAMU Spray Influent [Grab]	7/28/17	0741	AQ	1	3	X							
2	CAMU Spray Influent [Grab]	7/28/17	0741	AQ	3	1		X						
3														
4	CAMU Spray Middle [Grab]	7/28/17	0750	AQ	1	3	X							
5	CAMU Spray Middle [Grab]	7/28/17	0750	AQ	3	1		X						
6														
7	CAMU Spray Effluent [Grab]	7/28/17	0801	AQ	1	3	X							
8	CAMU Spray Effluent [Grab]	7/28/17	0801	AQ	3	1		X						
9														
10	CAMU Spray Trip Blank	7/28/17	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:	
Relinquished by:	Date:	Received by:	Date:	10 Wk Days	5 Wk Days	3 Wk Days	24 Hour
Fred Kinsley	7/28/17	Received by (Laboratory):	7/28/17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Relinquished by:	Date:	Checked by (Laboratory):	Date:				
Relinquished by:	Date:	Checked by (Laboratory):	Date:				
Relinquished by:	Date:	Checked by (Laboratory):	Date:				

QC Package: (Check Box Below)	
Level II: Standard QC	Level III: Raw Data
<input checked="" type="checkbox"/>	<input type="checkbox"/>
Level IV: SW846 Methods/CLP like	Other:
<input type="checkbox"/>	<input type="checkbox"/>

Preservative Key: 1-HCl 2-HNO₃ 3-H₂SO₄ 4-NaOH 5-Na₂S₂O₃ 6-NaHSO₄ 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.

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Sample Receipt Checklist

Client Name: **USS-GARY**

Date/Time Received: **28-Jul-17 00:00**

Work Order: **17071515**

Received by: **CD**

Checklist completed by Diane Shaw 28-Jul-17
eSignature Date

Reviewed by: Amanda Przybowski 28-Jul-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>1.5</u>		
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	<u>7/28/17 10:10</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 - 3.0/3.0 c SR2**

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: