24-Jun-2024

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

Re: **USS Midwest - EBSP 06.19.24** Work Order: **24060955**

Dear Tim,

ALS Environmental received 6 samples on 19-Jun-2024 10:45 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland 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 40.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

Amanda Grzybowski

Electronically approved by: Amanda Grzybowski

Amanda Grzybowski
Project Manager

ALS Group, USA

Date: 24-Jun-24

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Work Order: **24060955**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24060955-01	KMXX_06192024	Aqueous		6/19/2024 07:18	6/19/2024 10:10	☐
24060955-02	IDBW_06192024	Aqueous		6/19/2024 07:45	6/19/2024 10:10	☐
24060955-03	BDMZ_06192024	Aqueous		6/19/2024 08:25	6/19/2024 10:10	☐
24060955-04	BDXX_06192024	Aqueous		6/19/2024 08:40	6/19/2024 10:10	☐
24060955-05	KMXX_06192024_DUP	Aqueous		6/19/2024 07:18	6/19/2024 10:10	☐
24060955-06	KMXX_06192024_FB	Aqueous		6/19/2024 07:18	6/19/2024 10:10	☐

Client:	U.S. Steel - Gary Works
Project:	USS Midwest - EBSP 06.19.24
Work Order:	24060955

Case Narrative

Samples in this Work Order were received and analyzed at the ALS Valparaiso facility at 2400 Cumberland Drive, Valparaiso, Indiana; under Florida NELAP certification ID# E871119.

Any Batch MS/MSD results that are flagged, but not addressed in this Case Narrative, are not related to this project's sample(s); therefore the data does not require qualification.

218.6 Cr6 analysis subcontracted to ALS Middletown.

ALS Group, USA

Date: *24-Jun-24*

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: KMXX_06192024
Collection Date: 6/19/2024 07:18 AM

Work Order: 24060955
Lab ID: 24060955-01
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH (FIELD)			Method: **A4500-H B-11**				Analyst: **ALS**
pH (field)	**7.92**		**0**		**s.u.**	1	6/19/2024 07:18
FIELD TEMPERATURE			Method: **FIELD**				Analyst: **ALS**
Field Temperature	**70.9**		**0**		**°F**	1	6/19/2024 07:18
TURBIDITY (FIELD)			Method: **A2130 B-11**				Analyst: **ALS**
Turbidity (field)	**2.74**		**1.0**	**1.0**	**n.t.u.**	1	6/19/2024 07:18
CYANOBACTERIA IN RECREATIONAL WATER			Method: **ABRAXIS 520022**				Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000			Method: **A9223B**		Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	*<1*		1.0	1.0	MPN/100mL	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS			Method: **A2540 D-15**		Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**2.20**		**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS			Method: **E200.8**		Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	**0.494**	J	**0.433**	**2.00**	**ug/L**	1	6/19/2024 12:44
SUBCONTRACTED ANALYSES			Method: **SUBCONTRACT**				Analyst: **ALS**
Subcontracted Analyses	**0.16**		**0**		**ug/L**	1	6/19/2024

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

ALS Group, USA

Date: *24-Jun-24*

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: IDBW_06192024
Collection Date: 6/19/2024 07:45 AM

Work Order: 24060955
Lab ID: 24060955-02
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH (FIELD)			Method: **A4500-H B-11**				Analyst: **ALS**
pH (field)	**7.82**		**0**		**s.u.**	1	6/19/2024 07:45
FIELD TEMPERATURE			Method: **FIELD**				Analyst: **ALS**
Field Temperature	**71.9**		**0**		**°F**	1	6/19/2024 07:45
TURBIDITY (FIELD)			Method: **A2130 B-11**				Analyst: **ALS**
Turbidity (field)	**2.11**		**1.0**	**1.0**	**n.t.u.**	1	6/19/2024 07:45
CYANOBACTERIA IN RECREATIONAL WATER			Method: **ABRAXIS 520022**				Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000			Method: **A9223B**		Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	**3.10**		**1.0**	**1.0**	**MPN/100mL**	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS			Method: **A2540 D-15**		Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**1.10**	J	**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS			Method: **E200.8**		Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	U		0.433	2.00	ug/L	1	6/19/2024 12:46
SUBCONTRACTED ANALYSES			Method: **SUBCONTRACT**				Analyst: **ALS**
Subcontracted Analyses	**0.14**		**0**		**ug/L**	1	6/19/2024

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

ALS Group, USA

Date: *24-Jun-24*

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: BDMZ_06192024
Collection Date: 6/19/2024 08:25 AM

Work Order: 24060955
Lab ID: 24060955-03
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH (FIELD)			Method: **A4500-H B-11**				Analyst: **ALS**
pH (field)	**7.64**		**0**		**s.u.**	1	6/19/2024 08:25
FIELD TEMPERATURE			Method: **FIELD**				Analyst: **ALS**
Field Temperature	**78.2**		**0**		**°F**	1	6/19/2024 08:25
TURBIDITY (FIELD)			Method: **A2130 B-11**				Analyst: **ALS**
Turbidity (field)	**10.6**		**1.0**	**1.0**	**n.t.u.**	1	6/19/2024 08:25
CYANOBACTERIA IN RECREATIONAL WATER			Method: **ABRAXIS 520022**				Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000			Method: **A9223B**		Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	**46.8**		**1.0**	**1.0**	**MPN/100mL**	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS			Method: **A2540 D-15**		Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**13.1**		**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS			Method: **E200.8**		Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	**0.803**	J	**0.433**	**2.00**	**ug/L**	1	6/19/2024 12:53
SUBCONTRACTED ANALYSES			Method: **SUBCONTRACT**				Analyst: **ALS**
Subcontracted Analyses	**0.19**		**0**		**ug/L**	1	6/19/2024

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

ALS Group, USA

Date: *24-Jun-24*

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: BDXX_06192024
Collection Date: 6/19/2024 08:40 AM

Work Order: 24060955
Lab ID: 24060955-04
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH (FIELD)			Method: **A4500-H B-11**				Analyst: **ALS**
pH (field)	**7.79**		**0**		**s.u.**	1	6/19/2024 08:40
FIELD TEMPERATURE			Method: **FIELD**				Analyst: **ALS**
Field Temperature	**78.8**		**0**		**°F**	1	6/19/2024 08:40
TURBIDITY (FIELD)			Method: **A2130 B-11**				Analyst: **ALS**
Turbidity (field)	**7.82**		**1.0**	**1.0**	**n.t.u.**	1	6/19/2024 08:40
CYANOBACTERIA IN RECREATIONAL WATER			Method: **ABRAXIS 520022**				Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000			Method: **A9223B**		Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	**84.2**		**1.0**	**1.0**	**MPN/100mL**	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS			Method: **A2540 D-15**		Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**9.80**		**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS			Method: **E200.8**		Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	**0.628**	J	**0.433**	**2.00**	**ug/L**	1	6/19/2024 12:55
SUBCONTRACTED ANALYSES			Method: **SUBCONTRACT**				Analyst: **ALS**
Subcontracted Analyses	**0.066**		**0**		**ug/L**	1	6/19/2024

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

ALS Group, USA

Date: *24-Jun-24*

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: KMXX_06192024_DUP
Collection Date: 6/19/2024 07:18 AM

Work Order: 24060955
Lab ID: 24060955-05
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PH (FIELD)			Method: **A4500-H B-11**				Analyst: **ALS**
pH (field)	**7.90**		**0**		**s.u.**	1	6/19/2024 07:18
FIELD TEMPERATURE			Method: **FIELD**				Analyst: **ALS**
Field Temperature	**71.0**		**0**		**°F**	1	6/19/2024 07:18
TURBIDITY (FIELD)			Method: **A2130 B-11**				Analyst: **ALS**
Turbidity (field)	**2.68**		**1.0**	**1.0**	**n.t.u.**	1	6/19/2024 07:18
CYANOBACTERIA IN RECREATIONAL WATER			Method: **ABRAXIS 520022**				Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000			Method: **A9223B**		Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	**1.00**		**1.0**	**1.0**	**MPN/100mL**	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS			Method: **A2540 D-15**		Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**2.10**		**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS			Method: **E200.8**		Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	**0.553**	J	**0.433**	**2.00**	**ug/L**	1	6/19/2024 12:57
SUBCONTRACTED ANALYSES			Method: **SUBCONTRACT**				Analyst: **ALS**
Subcontracted Analyses	**0.16**		**0**		**ug/L**	1	6/19/2024

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

Client: U.S. Steel - Gary Works
Project: USS Midwest - EBSP 06.19.24
Sample ID: KMXX_06192024_FB
Collection Date: 6/19/2024 07:18 AM

Work Order: 24060955
Lab ID: 24060955-06
Matrix: AQUEOUS

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
CYANOBACTERIA IN RECREATIONAL WATER		Method: **ABRAXIS 520022**					Analyst: **JH**
Microcystins and Nodularins	U		1.0	1.0	µg/L	1	6/20/2024 13:30
E. COLI BY COLILERT QUANTI-TRAY/2000		Method: **A9223B**			Prep: Incubation / 6/19/24		Analyst: **JH**
Escherichia coli	*<1*		1.0	1.0	MPN/100mL	1	6/20/2024 11:38
TOTAL SUSPENDED SOLIDS		Method: **A2540 D-15**			Prep: A2540 D-15 / 6/20/24		Analyst: **MGW**
Total Suspended Solids	**0.400**	J	**0.300**	**2.00**	**mg/L**	1	6/20/2024 17:00
METALS BY ICP-MS		Method: **E200.8**			Prep: CEM-NPDES / 6/19/24		Analyst: **JLK**
Chromium	**0.726**	J	**0.433**	**2.00**	**ug/L**	1	6/19/2024 12:59
SUBCONTRACTED ANALYSES		Method: **SUBCONTRACT**					Analyst: **ALS**
Subcontracted Analyses	**0.022**		**0**		**ug/L**	1	6/19/2024

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

Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | Fax: 717-944-1430 | www.alsglobal.com
Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 | Fax: 717-944-1430 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For **ALS Environmental-Holland**

Project US STEEL 24060955
Workorder 3365256
Report ID 330363 on 6/21/2024

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 20, 2024.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Sarah Leung (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
Amanda Grzybowski - ALS Environmental-Holland
Les Arnold - ALS Environmental-Holland

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.

Sarah Leung

Sarah Leung *(ALS Digital Signature)*
Project Coordinator

Sample Summary

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collector	Collection Company
3365256001	24060955-01	Water	06/19/2024 07:18	06/20/2024 09:04	CBC	Collected By Client
3365256002	24060955-02	Water	06/19/2024 07:45	06/20/2024 09:04	CBC	Collected By Client
3365256003	24060955-03	Water	06/19/2024 08:25	06/20/2024 09:04	CBC	Collected By Client
3365256004	24060955-04	Water	06/19/2024 08:40	06/20/2024 09:04	CBC	Collected By Client
3365256005	24060955-05	Water	06/19/2024 07:18	06/20/2024 09:04	CBC	Collected By Client
3365256006	24060955-06	Water	06/19/2024 07:18	06/20/2024 09:04	CBC	Collected By Client

Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
  EPA 300.1 Rev. 1.0-1997
  EPA 300.0 Rev. 2.1-1993
  EPA 353.2 Rev. 2.0-1993
  EPA 410.4 Rev. 1.0-1993
  EPA 420.4 Rev. 1.0-1993
  EPA 365.1 Rev. 2.0-1993
  EPA 200.7 Rev. 4.4-1994
  EPA 200.8 Rev. 5.4-1994
  EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.

Project Notations

Sample Notations

Lab ID	Sample ID

Result Notations

Notation Ref.

Detected Results Summary

Client Sample ID	24060955-01	Collected	06/19/2024 07:18
Lab Sample ID	3365256001	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.16	ug/L	0.020	0.0072	EPA 218.6	#

Detected Results Summary

Client Sample ID	24060955-02	Collected	06/19/2024 07:45
Lab Sample ID	3365256002	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.14	ug/L	0.020	0.0072	EPA 218.6	#

Detected Results Summary

Client Sample ID	24060955-03	Collected	06/19/2024 08:25
Lab Sample ID	3365256003	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.19	ug/L	0.020	0.0072	EPA 218.6	#

Detected Results Summary

Client Sample ID	24060955-04	Collected	06/19/2024 08:40
Lab Sample ID	3365256004	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.066	ug/L	0.020	0.0072	EPA 218.6	#

Detected Results Summary

Client Sample ID	24060955-05	Collected	06/19/2024 07:18
Lab Sample ID	3365256005	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.16	ug/L	0.020	0.0072	EPA 218.6	#

Detected Results Summary

Client Sample ID	24060955-06	Collected	06/19/2024 07:18
Lab Sample ID	3365256006	Lab Receipt	06/20/2024 09:04

Compound	Result	Units	RDL	MDL	Method	Flag
WET CHEMISTRY						
Hexavalent Chromium	0.022	ug/L	0.020	0.0072	EPA 218.6	#

Results

Client Sample ID	24060955-01	Collected	06/19/2024 07:18
Lab Sample ID	3365256001	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.16		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 18:07	DMG	A

Results

Client Sample ID	24060955-02	Collected	06/19/2024 07:45
Lab Sample ID	3365256002	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.14		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 20:25	DMG	A

Results

Client Sample ID	24060955-03	Collected	06/19/2024 08:25
Lab Sample ID	3365256003	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.19		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 20:33	DMG	A

Results

Client Sample ID	24060955-04	Collected	06/19/2024 08:40
Lab Sample ID	3365256004	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.066		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 20:42	DMG	A

Results

Client Sample ID	24060955-05	Collected	06/19/2024 07:18
Lab Sample ID	3365256005	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.16		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 20:50	DMG	A

Results

Client Sample ID	24060955-06	Collected	06/19/2024 07:18
Lab Sample ID	3365256006	Lab Receipt	06/20/2024 09:04

WET CHEMISTRY

Compound	Result	Flag	Units	RDL	MDL	Method	Dilution	Analysis Date/Time	By	Cntr
Hexavalent Chromium	0.022		ug/L	0.020	0.0072	EPA 218.6	1	06/20/2024 20:58	DMG	A

Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3365256001	24060955-01	EPA 218.6	N/A	
3365256002	24060955-02	EPA 218.6	N/A	
3365256003	24060955-03	EPA 218.6	N/A	
3365256004	24060955-04	EPA 218.6	N/A	
3365256005	24060955-05	EPA 218.6	N/A	
3365256006	24060955-06	EPA 218.6	N/A	

QUALITY CONTROL SAMPLES

WET CHEMISTRY

QC Batch

QC Batch	1224331	Prep Method	N/A
Date	N/A	Analysis Method	EPA 218.6
Tech.			

Associated Samples

3365256001	3365256002	3365256003	3365256004
3365256005	3365256006		

Matrix Spike 3842190 (MS) 3365259002 (non-Project Sample) For QC Batch 1224331

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3842191 (MSD) 3365259002 (non-Project Sample) For QC Batch 1224331

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Hexavalent Chromium	CR6	MS	5.30	0.0740	5	105	90 - 110		
Hexavalent Chromium	CR6	MSD	5.40	0.0740	5	106	90 - 110	RPD 1.24 (Max-20)	

Matrix Spike 3842195 (MS) 3365260001 (non-Project Sample) For QC Batch 1224331

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3842196 (MSD) 3365260001 (non-Project Sample) For QC Batch 1224331

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Hexavalent Chromium	CR6	MS	6.80	1.70	5	103	90 - 110		
Hexavalent Chromium	CR6	MSD	6.90	1.70	5	105	90 - 110	RPD 1.57 (Max-20)	

Method Blank 3841605 (MB) Created on 06/19/2024 13:57 For QC Batch 1224331

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Hexavalent Chromium	CR6	BLK	ND	ug/L	0.020	ND

Lab Control Standard 3841606 (LCS) Created on 06/19/2024 13:57 For QC Batch 1224331

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Hexavalent Chromium	CR6	LCS	5.20		5	103	90 - 110		

QUALITY CONTROL SAMPLES

WET CHEMISTRY (cont.)

Matrix Spike 3841607 (MS) 3365256001 For QC Batch 1224331

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 3841608 (MSD) 3365256001 For QC Batch 1224331

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Hexavalent Chromium	CR6	MS	5.40	0.16	5	104	90 - 110		
Hexavalent Chromium	CR6	MSD	5.30	0.16	5	104	90 - 110	RPD 0.11 (Max-20)	

Method Blank 3841610 (MB) Created on 06/19/2024 13:57 For QC Batch 1224331

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Hexavalent Chromium	CR6	BLK	ND	ug/L	0.020	ND

Method Blank 3842193 (MB) Created on 06/20/2024 11:30 For QC Batch 1224331

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Hexavalent Chromium	CR6	BLK	ND	ug/L	0.020	ND

Lab Control Standard 3842194 (LCS) Created on 06/20/2024 11:30 For QC Batch 1224331

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Hexavalent Chromium	CR6	LCS	5.10		5	102	90 - 110		

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3365256001	24060955-01	N/A	N/A	N/A		EPA 218.6	1224331
3365256002	24060955-02	N/A	N/A	N/A		EPA 218.6	1224331
3365256003	24060955-03	N/A	N/A	N/A		EPA 218.6	1224331
3365256004	24060955-04	N/A	N/A	N/A		EPA 218.6	1224331
3365256005	24060955-05	N/A	N/A	N/A		EPA 218.6	1224331
3365256006	24060955-06	N/A	N/A	N/A		EPA 218.6	1224331

Subcontractor:
ALS Environmental
301 Fulling Mill Road
Middletown, PA 17057
TEL: (717) 944-5541
FAX: (717) 944-1430
Acct #:

CHAIN 3365256 RD

Logged By: MJE
PM: SSL

Date: 19-Jun-24
COC ID: 26180
Due Date: 20-Jun-24

Salesperson: Les Arnold

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	24060955	A	Subcontracted Analyses (SUBCONTRACT)
Work Order		Project Number		B	
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	C	
Send Report To	Amanda Grzybowski	Inv Attn	Accounts Payable	D	
Address	3352 128th Ave	Address	3352 128th Ave	E	
				F	
City/State/Zip	Holland, Michigan 49424	City/State/Zip	Holland, Michigan 49424	G	
Phone	(616) 399-6070	Phone	(616) 399-6070	H	
Fax	(616) 399-6185	Fax	(616) 399-6185	I	
eMail Address	Amanda.grzybowski@alsglobal.com	eMail CC		J	

Temp By: MJE | WO Temp (°C): 0° | Therm ID: 569

ALS Sample ID	Client Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	J
24060955-01C	KMXX_06192024	Aqueous	19/Jun/2024 7:18	(1) 125PNH4	X				
24060955-02C	IDBW_06192024	Aqueous	19/Jun/2024 7:45	(1) 125PNH4	X				
24060955-03C	BDMZ_06192024	Aqueous	19/Jun/2024 8:25	(1) 125PNH4	X				
24060955-04C	BDXX_06192024	Aqueous	19/Jun/2024 8:40	(1) 125PNH4	X				
24060955-05C	KMXX_06192024_DUP	Aqueous	19/Jun/2024 7:18	(1) 125PNH4	X				
24060955-06C	KMXX_06192024_FB	Aqueous	19/Jun/2024 7:18	(1) 125PNH4	X				

MJE

Receipt Info Completed By:		
Cooler Custody Seal Intact	Y N	NA
Sample Custody Seal Intact	Y N	NA
Received on Ice	Y N	NA
Cooler & Samples Intact	Y N	
Correct Containers Provided	Y N	
Sample Label/COC Agree	Y N	
Adequate Sample Volumes	Y N	
CR6 Samples Filtered	Y N	NA
OP Samples Filtered	Y N	NA
VOA Trip Blank	Y N	NA
NJ≤ 4 Days?	Y	N
Rad Screen (uCi)		
Courier/Tracking #:	776948433290	
SDWA Compliance	Y	N
PWSID	Y N	NA
WV Containers 0-6°C		

*No Sample or G/C, P/NH4OH -MJE 6/20/24

Comments:
218.6 Cr6 need MDL 0.013 ug/L and RL 0.035 ug/L. 1 day rush TAT

Relinquished by:	Date/Time	Received by:	Date/Time	Cooler IDs	Report/QC Level
Fedex	6/20/24 904	Fedex	6/20/24 904		Std
Relinquished by:	Date/Time	Received by:	Date/Time		

Client:	U.S. Steel - Gary Works
Project:	USS Midwest - EBSP 06.19.24
WorkOrder:	**24060955**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	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
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Analyte accreditation is not offered
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.

Acronym	Description
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

Units Reported	Description
°F	Degrees Fahrenheit
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter
MPN/100mL	
n.t.u.	Nephelometric Turbidity Units
s.u.	Standard Units

ug/L	Micrograms per Liter

ALS Group, USA

Date: 24-Jun-24

Client: U.S. Steel - Gary Works

Work Order: 24060955

Project: USS Midwest - EBSP 06.19.24

QC BATCH REPORT

Batch ID: **242264** Instrument ID **VAL-WC** Method: **A9223B**

MBLK Sample ID: **MBLK-242264-242264** Units: **MPN/100mL** Analysis Date: **6/20/2024 11:38 AM**

Client ID: Run ID: **VAL-WC_240620B** SeqNo: **10880815** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Escherichia coli	U	1.0								

The following samples were analyzed in this batch:

24060955-01B	24060955-02B	24060955-03B
24060955-04B	24060955-05B	24060955-06B

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

Client: U.S. Steel - Gary Works
Work Order: 24060955
Project: USS Midwest - EBSP 06.19.24

QC BATCH REPORT

Batch ID: **242302** Instrument ID **VAL-TSS** Method: **A2540 D-15**

MBLK Sample ID: **MBLK-242302-242302** Units: **mg/L** Analysis Date: **6/20/2024 05:00 PM**
Client ID: Run ID: **VAL-TSS_240620A** SeqNo: **10880845** Prep Date: **6/20/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	U	2.0								

LCS Sample ID: **LCS-242302-242302** Units: **mg/L** Analysis Date: **6/20/2024 05:00 PM**
Client ID: Run ID: **VAL-TSS_240620A** SeqNo: **10880844** Prep Date: **6/20/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Suspended Solids	100	20	100	0	100	80-115	0			

The following samples were analyzed in this batch:

24060955-01A	24060955-02A	24060955-03A
24060955-04A	24060955-05A	24060955-06A

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

Client: U.S. Steel - Gary Works
Work Order: 24060955
Project: USS Midwest - EBSP 06.19.24

QC BATCH REPORT

Batch ID: **R406287** Instrument ID **VAL-WC** Method: **Abraxis 520022**

MBLK Sample ID: **MB-R406287-R406287** Units: **µg/L** Analysis Date: **6/20/2024 01:30 PM**
Client ID: Run ID: **VAL-WC_240620C** SeqNo: **10880956** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Microcystins and Nodularins	U	1.0								

LCS Sample ID: **LCS-R406287-R406287** Units: **µg/L** Analysis Date: **6/20/2024 01:30 PM**
Client ID: Run ID: **VAL-WC_240620C** SeqNo: **10880957** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Microcystins and Nodularins	1	1.0	1	0	100		0			

DUP Sample ID: **24060884-01E DUP** Units: **µg/L** Analysis Date: **6/20/2024 01:30 PM**
Client ID: Run ID: **VAL-WC_240620C** SeqNo: **10880959** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Microcystins and Nodularins	U	1.0	0	0	0		0	0	20	

DUP Sample ID: **24060955-02E DUP** Units: **µg/L** Analysis Date: **6/20/2024 01:30 PM**
Client ID: **IDBW_06192024** Run ID: **VAL-WC_240620C** SeqNo: **10880970** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Microcystins and Nodularins	U	1.0	0	0	0		0	0	20	

LCS2 Sample ID: **LCS2-R406287** Units: **µg/L** Analysis Date: **6/20/2024 01:30 PM**
Client ID: Run ID: **VAL-WC_240620C** SeqNo: **10880975** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Microcystins and Nodularins	5	1.0	5	0	100	75-125	0			

The following samples were analyzed in this batch:

24060955-01E	24060955-02E	24060955-03E
24060955-04E	24060955-05E	24060955-06E

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

Client: U.S. Steel - Gary Works
Work Order: 24060955
Project: USS Midwest - EBSP 06.19.24

QC BATCH REPORT

Batch ID: **242186** Instrument ID **VAL-ICPMS** Method: **E200.8**

MBLK Sample ID: **MBLK-242186-242186** Units: **mg/L** Analysis Date: **6/19/2024 12:11 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875594** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	U	0.0050								

LCS Sample ID: **LCS-242186-242186** Units: **mg/L** Analysis Date: **6/19/2024 12:13 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875595** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.1007	0.0050	0.1	0	101	85-115	0			

MS Sample ID: **24060935-23B MS** Units: **mg/L** Analysis Date: **6/19/2024 12:16 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875597** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.1024	0.0050	0.1	0.00252	99.9	70-130	0			

MS Sample ID: **24060938-02A MS** Units: **mg/L** Analysis Date: **6/19/2024 12:40 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875610** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.1012	0.0050	0.1	0.0004186	101	70-130	0			

MSD Sample ID: **24060935-23B MSD** Units: **mg/L** Analysis Date: **6/19/2024 12:18 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875598** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.1028	0.0050	0.1	0.00252	100	70-130	0.1024	0.409	20	

MSD Sample ID: **24060938-02A MSD** Units: **mg/L** Analysis Date: **6/19/2024 12:42 PM**
Client ID: Run ID: **VAL-ICPMS_240619A** SeqNo: **10875611** Prep Date: **6/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chromium	0.1016	0.0050	0.1	0.0004186	101	70-130	0.1012	0.379	20	

The following samples were analyzed in this batch:

24060955-01D	24060955-02D	24060955-03D
24060955-04D	24060955-05D	24060955-06D

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

Chain of Custody Form

Page 1 of 1

24060955

U.S. Steel - Gary Works

USS Midwest - EBSP 06.19.24

ALS Project Manager: Amanda Grzybowski

Customer Information		Project Information	
Purchase Order		Project Name	USS Midwest EBSP
Work Order		Project Number	
Company Name	USS / Ramboll	Bill To Company	USS
Send Report To	Tim Sullivan	Invoice Attn.	
Address	6300 US-12	Address	
City/State/Zip	Portage, IN 46368	City/State/Zip	
Phone	219-763-5022	Phone	
Fax		Fax	
e-Mail Address			

Parameter/Method Request for Analysis

A	TSS (2540D)	1 L Plastic - Neat
B	E. Coli (9223B)	(2) 100ml Plastic - Bacti
C	HexChrome (218.6) [Field Filtered]	125ml Plastic - NH4
D	Total Chrome (200.8)	250ml Plastic - HNO3
E	Cyano Bacteria (Abraxis)	Clear Vial - Neat
F	pH - Field Test (See Field Log)	
G	Temp - Field Test (See Field Log)	
H	Turbidity - Field Test (See Field Log)	
I		
J		

No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	KMXX_ 06192024	6/19/24	0718	AQ	2, 7, 8	6	X	X	X	X	X	X	X	X			
2	IDBW_	6/19/24	0745	AQ	2, 7, 8	6	X	X	X	X	X	X	X	X			
3	BDMZ_	6/19/24	0825	AQ	2, 7, 8	6	X	X	X	X	X	X	X	X			
4	BDXX_	6/19/24	0840	AQ	2, 7, 8	6	X	X	X	X	X	X	X	X			
5	KMXX _DUP	6/19/24	0718	AQ	2, 7, 8	6	X	X	X	X	X	X	X	X			
6	KMXX 06192024 _FB	6/19/24	0718	AQ	2, 7, 8	6	X	X	X	X	X						
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Sampler(s) Please Print & Sign: B. Forge / ALS

Shipment Method:

Required Turnaround Time: (Check Box) ☐10 Wk Days ☑5 Wk Days ☐3 Wk Days ☐2 Wk Days ☐24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Notes:
	6/19/24	1010		6/19/24	1010	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Date:	Time:	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):			
	6/19/24	1147				

ALS Cooler ID	Cooler Temp

QC Package: (Check Box Below)

☑Level II: Standard QC ☐Level III: Raw Data

☐TRRP LRC ☑TRRP Level IV

☐Level IV: SW846 Methods/CLP like

☐Other: _____

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-Neat, 0-6°C

COOLER TEMPS:

2.2/3.6 2.0/3.4 1.0/2.4 4.3/5.7 2.4/3.8

Project: U. S. Steel State-Only Environmentally Beneficial Project (SEBP), Lake Michigan's Indiana Shoreline Sampling

Date: 6-19-24

Field Team Members: B. Fye / B. Owen

Weather Conditions: Hazy / Humid Air Temp °F: 80

Field Test Meters:	Thermo Scientific Orion Star A121	Traceable Kangaroo Thermocouple Thermometer	HACH 2100P Turbidometer

Field Calibration Form Completed? (YES) / NO If NO, Why?:

Site	Time	pH s.u.	Temp °F	Turbidity NTU
KMXX	~~0800~~ 0718	7.92	70.9	2.74
IDBW	0745	7.82	71.9	2.11
Standard Check	0748	7.00= 7.03		20= 20.7
BDMZ	0825	7.64	78.2	10.6
BDXX	0840	7.79	78.8	7.82
Standard Check	0841	7.00= 7.02		20= 20.5
KMXX **-DUP**	0718	7.90	71.0	2.68

Notes/Observations:

ALS Group, USA
Holland, Michigan

Sample Receipt Checklist

Client Name: **USS-GARY** Date/Time Received: **19-Jun-24 10:45**

Work Order: **24060955** Received by: **JBT**

Checklist completed by Jacob Tucker (eSignature) 19-Jun-24 (Date) Reviewed by: Amanda Grzybowski (eSignature) 20-Jun-24 (Date)

Matrices: AQUEOUS
Carrier name: ALSHN

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.2/3.6 2.0/3.4 1.0/2.4 4.3/5.7 2.4/3.8C	VR-1	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:	6/19/2024 1:48:54 PM		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction: