



February 4, 2025

Project No. US0033555.9828

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Southeast District Office Ohio EPA
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**SUBJECT: STORMWATER SAMPLING DATA
2024 ANNUAL
FACILITY PERMIT NO. 0GR00401*FG**

Attached are the laboratory data reports for the following facility:

Facility Permit No.	0GR00401*FG
Facility Name:	Cyprus Amax Minerals Company, Inc.
Facility Location:	4243 County Road 74
City/Township:	Mingo Junction
County:	Jefferson
Receiving Water:	Cross Creek
Contact Name:	Steve Anderson, WSP

There was active land disturbance during the year; therefore, quarterly monitoring was required per the permit. Any outfall sample that was not collected was due to one of the following reasons:

- No sample could be obtained from the location due to lack of flow
- Unsafe conditions (i.e. swift current, high creek levels) prevented personnel from safely crossing Cross Creek to sample locations SC-01 and SC-02

Should you have any questions about this report, please contact me or Barb Nielsen at (602) 366-8270.

Yours sincerely,

WSP USA Inc.



R. Stephen Anderson

Southern New Jersey Local Business Line Leader, Earth and Environment Vice President

RSA/mtd

CC: Barb Nielsen, Cyprus Amax Minerals Company

Attachments: ISWPPP Laboratory Analytical January 2024
ISWPPP Laboratory Analytical May 2024
ISWPPP Laboratory Analytical August 2024
ISWPPP Laboratory Analytical December 2024

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ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Bob Ireson
WSP USA Inc
2 Miranova Place
Suite 450

Columbus, Ohio 43215

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JOB DESCRIPTION

Former Satralloy Site - ISWPP

JOB NUMBER

240-197953-1

Eurofins Cleveland

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Job ID: 240-197953-1

Eurofins Cleveland

Job Narrative 240-197953-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 1/10/2024 4:40 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540D: Insufficient sample volume was provided to produce results within the specifications of SM 2540D which requires at least 2.5 mg dried residue with a sample volume not to exceed 1L. A sample volume less than 1L, that yielded less than 2.5 mg dried residue, was provided for the following sample: GC-04 (240-197953-6).

Method SM4500_H+: The pH for the following sample was outside the instrument calibration range of 2 to 12: GC-03 (240-197953-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: WSP USA Inc

Job ID: 240-197953-1

Project/Site: Former Satralloy Site - ISWPP

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CLE
3500-Cr B-2009	Chromium, Hexavalent	SM	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CLE
SM 4500 H+ B	pH	SM	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: WSP USA Inc

Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-197953-1	US-01	Water	01/10/24 09:55	01/10/24 16:40
240-197953-2	DS-01	Water	01/10/24 12:15	01/10/24 16:40
240-197953-3	GC-01	Water	01/10/24 11:35	01/10/24 16:40
240-197953-4	GC-02	Water	01/10/24 11:30	01/10/24 16:40
240-197953-5	GC-03	Water	01/10/24 11:25	01/10/24 16:40
240-197953-6	GC-04	Water	01/10/24 11:20	01/10/24 16:40
240-197953-7	GC-05	Water	01/10/24 11:05	01/10/24 16:40
240-197953-8	GC-06	Water	01/10/24 10:58	01/10/24 16:40
240-197953-9	GC-09	Water	01/10/24 10:50	01/10/24 16:40
240-197953-10	GC-11	Water	01/10/24 10:23	01/10/24 16:40
240-197953-11	FD-01	Water	01/10/24 00:00	01/10/24 16:40

Detection Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: US-01

Lab Sample ID: 240-197953-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	4.1	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.77		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	220		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	91		17	1.7	mg/L	1		SM 2540D	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DS-01

Lab Sample ID: 240-197953-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	3.7	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	480		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	58		14	1.4	mg/L	1		SM 2540D	Total/NA
pH	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-01

Lab Sample ID: 240-197953-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	180		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.18		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	560		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	0.60	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-02

Lab Sample ID: 240-197953-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	270		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.28		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	660		20	16	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	17		8.2	0.82	mg/L	1		SM 2540D	Total/NA
pH	11.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-03

Lab Sample ID: 240-197953-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	470		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.46		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	1300		40	31	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	1.1	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	12.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-04

Lab Sample ID: 240-197953-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	600		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.55		0.20	0.070	mg/L	10		3500-Cr B-2009	Total/NA
Total Dissolved Solids	880		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	0.82	J	4.1	0.41	mg/L	1		SM 2540D	Total/NA
pH	11.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-05

Lab Sample ID: 240-197953-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	520		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.48		0.10	0.035	mg/L	5		3500-Cr B-2009	Total/NA
Total Dissolved Solids	590		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	15		4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-06

Lab Sample ID: 240-197953-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	50		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.042		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	220		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	0.50	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.0	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-09

Lab Sample ID: 240-197953-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	340		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.30		0.10	0.035	mg/L	5		3500-Cr B-2009	Total/NA
Total Dissolved Solids	330		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-11

Lab Sample ID: 240-197953-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	320		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.32		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	310		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	20		8.0	0.80	mg/L	1		SM 2540D	Total/NA
pH	11.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: FD-01

Lab Sample ID: 240-197953-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	2.9	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	230		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	65		8.0	0.80	mg/L	1		SM 2540D	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: US-01

Lab Sample ID: 240-197953-1

Date Collected: 01/10/24 09:55

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4.1	J	5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.77		0.020	0.0070	mg/L			01/10/24 17:23	1
Total Dissolved Solids (SM 2540C)	220		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	91		17	1.7	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			01/15/24 17:03	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: DS-01

Lab Sample ID: 240-197953-2

Date Collected: 01/10/24 12:15

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	3.7	J	5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			01/10/24 17:24	1
Total Dissolved Solids (SM 2540C)	480		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	58		14	1.4	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	8.0	HF	0.1	0.1	SU			01/15/24 16:56	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-01

Lab Sample ID: 240-197953-3

Date Collected: 01/10/24 11:35

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	180		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.18		0.020	0.0070	mg/L			01/10/24 17:25	1
Total Dissolved Solids (SM 2540C)	560		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	0.60	J	4.0	0.40	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	8.1	HF	0.1	0.1	SU			01/15/24 17:12	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-02

Lab Sample ID: 240-197953-4

Date Collected: 01/10/24 11:30

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	270		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.28		0.020	0.0070	mg/L			01/10/24 17:26	1
Total Dissolved Solids (SM 2540C)	660		20	16	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	17		8.2	0.82	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	11.9	HF	0.1	0.1	SU			01/15/24 17:27	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-03

Lab Sample ID: 240-197953-5

Date Collected: 01/10/24 11:25

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	470		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.46		0.020	0.0070	mg/L			01/10/24 17:27	1
Total Dissolved Solids (SM 2540C)	1300		40	31	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	1.1	J	4.0	0.40	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	12.3	HF	0.1	0.1	SU			01/15/24 17:24	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-04

Lab Sample ID: 240-197953-6

Date Collected: 01/10/24 11:20

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	600		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.55		0.20	0.070	mg/L			01/10/24 17:28	10
Total Dissolved Solids (SM 2540C)	880		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	0.82	J	4.1	0.41	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	11.1	HF	0.1	0.1	SU			01/15/24 16:54	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-05

Lab Sample ID: 240-197953-7

Date Collected: 01/10/24 11:05

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	520		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.48		0.10	0.035	mg/L			01/10/24 17:29	5
Total Dissolved Solids (SM 2540C)	590		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	15		4.0	0.40	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	8.2	HF	0.1	0.1	SU			01/15/24 16:51	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-06

Lab Sample ID: 240-197953-8

Date Collected: 01/10/24 10:58

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	50		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.042		0.020	0.0070	mg/L			01/10/24 17:30	1
Total Dissolved Solids (SM 2540C)	220		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	0.50	J	4.0	0.40	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	8.0	HF	0.1	0.1	SU			01/15/24 16:47	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-09

Lab Sample ID: 240-197953-9

Date Collected: 01/10/24 10:50

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	340		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 18:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.30		0.10	0.035	mg/L			01/10/24 17:35	5
Total Dissolved Solids (SM 2540C)	330		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	4.0		4.0	0.40	mg/L			01/15/24 12:36	1
pH (SM 4500 H+ B)	8.4	HF	0.1	0.1	SU			01/15/24 17:07	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-11

Lab Sample ID: 240-197953-10

Date Collected: 01/10/24 10:23

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	320		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.32		0.020	0.0070	mg/L			01/10/24 17:40	1
Total Dissolved Solids (SM 2540C)	310		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	20		8.0	0.80	mg/L			01/16/24 11:21	1
pH (SM 4500 H+ B)	11.7	HF	0.1	0.1	SU			01/15/24 17:09	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: FD-01

Lab Sample ID: 240-197953-11

Date Collected: 01/10/24 00:00

Matrix: Water

Date Received: 01/10/24 16:40

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	2.9	J	5.0	1.2	ug/L		01/11/24 14:00	01/12/24 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			01/10/24 17:43	1
Total Dissolved Solids (SM 2540C)	230		10	7.8	mg/L			01/15/24 14:43	1
Total Suspended Solids (SM 2540D)	65		8.0	0.80	mg/L			01/16/24 11:21	1
pH (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			01/15/24 17:20	1

QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-599972/1-A
Matrix: Water
Analysis Batch: 600210

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 599972

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		01/11/24 14:00	01/12/24 17:02	1

Lab Sample ID: LCS 240-599972/2-A
Matrix: Water
Analysis Batch: 600210

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 599972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	481		ug/L		96	85 - 115

Method: 3500-Cr B-2009 - Chromium, Hexavalent

Lab Sample ID: MB 240-599871/3
Matrix: Water
Analysis Batch: 599871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0070		0.020	0.0070	mg/L			01/10/24 10:43	1

Lab Sample ID: LCS 240-599871/4
Matrix: Water
Analysis Batch: 599871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.250	0.233		mg/L		93	85 - 115

Lab Sample ID: 240-197953-9 MS
Matrix: Water
Analysis Batch: 599871

Client Sample ID: GC-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.30		1.25	1.45		mg/L		92	85 - 115

Lab Sample ID: 240-197953-9 MSD
Matrix: Water
Analysis Batch: 599871

Client Sample ID: GC-09
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	0.30		1.25	1.59		mg/L		103	85 - 115	9	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-600316/1
Matrix: Water
Analysis Batch: 600316

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			01/15/24 14:43	1

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QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-600316/2

Matrix: Water

Analysis Batch: 600316

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	232	211		mg/L		91	80 - 120

Lab Sample ID: 240-197953-8 DU

Matrix: Water

Analysis Batch: 600316

Client Sample ID: GC-06

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	220		232		mg/L		4	20

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-600285/1

Matrix: Water

Analysis Batch: 600285

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			01/15/24 12:36	1

Lab Sample ID: LCS 240-600285/2

Matrix: Water

Analysis Batch: 600285

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	60.1	54.0		mg/L		90	64 - 120

Lab Sample ID: MB 240-600402/1

Matrix: Water

Analysis Batch: 600402

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			01/16/24 11:21	1

Lab Sample ID: LCS 240-600402/2

Matrix: Water

Analysis Batch: 600402

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	60.1	54.0		mg/L		90	64 - 120

Lab Sample ID: 240-197953-10 DU

Matrix: Water

Analysis Batch: 600402

Client Sample ID: GC-11

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	20		19.4		mg/L		1	10

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QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 240-600353/3						Client Sample ID: Lab Control Sample					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 600353											
				Spike	LCS	LCS			%Rec		
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	
pH				9.14	9.1		SU		99	97 - 103	

Lab Sample ID: 240-197953-3 DU							Client Sample ID: GC-01			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 600353										
	Sample	Sample		DU	DU					RPD
Analyte	Result	Qualifier		Result	Qualifier	Unit	D		RPD	Limit
pH	8.1	HF		8.1		SU			0.1	20

QC Association Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Metals

Prep Batch: 599972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total Recoverable	Water	200.8	
240-197953-2	DS-01	Total Recoverable	Water	200.8	
240-197953-3	GC-01	Total Recoverable	Water	200.8	
240-197953-4	GC-02	Total Recoverable	Water	200.8	
240-197953-5	GC-03	Total Recoverable	Water	200.8	
240-197953-6	GC-04	Total Recoverable	Water	200.8	
240-197953-7	GC-05	Total Recoverable	Water	200.8	
240-197953-8	GC-06	Total Recoverable	Water	200.8	
240-197953-9	GC-09	Total Recoverable	Water	200.8	
240-197953-10	GC-11	Total Recoverable	Water	200.8	
240-197953-11	FD-01	Total Recoverable	Water	200.8	
MB 240-599972/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 240-599972/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 600210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total Recoverable	Water	200.8	599972
240-197953-2	DS-01	Total Recoverable	Water	200.8	599972
240-197953-3	GC-01	Total Recoverable	Water	200.8	599972
240-197953-4	GC-02	Total Recoverable	Water	200.8	599972
240-197953-5	GC-03	Total Recoverable	Water	200.8	599972
240-197953-6	GC-04	Total Recoverable	Water	200.8	599972
240-197953-7	GC-05	Total Recoverable	Water	200.8	599972
240-197953-8	GC-06	Total Recoverable	Water	200.8	599972
240-197953-9	GC-09	Total Recoverable	Water	200.8	599972
240-197953-10	GC-11	Total Recoverable	Water	200.8	599972
240-197953-11	FD-01	Total Recoverable	Water	200.8	599972
MB 240-599972/1-A	Method Blank	Total Recoverable	Water	200.8	599972
LCS 240-599972/2-A	Lab Control Sample	Total Recoverable	Water	200.8	599972

General Chemistry

Analysis Batch: 599871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total/NA	Water	3500-Cr B-2009	
240-197953-2	DS-01	Total/NA	Water	3500-Cr B-2009	
240-197953-3	GC-01	Total/NA	Water	3500-Cr B-2009	
240-197953-4	GC-02	Total/NA	Water	3500-Cr B-2009	
240-197953-5	GC-03	Total/NA	Water	3500-Cr B-2009	
240-197953-6	GC-04	Total/NA	Water	3500-Cr B-2009	
240-197953-7	GC-05	Total/NA	Water	3500-Cr B-2009	
240-197953-8	GC-06	Total/NA	Water	3500-Cr B-2009	
240-197953-9	GC-09	Total/NA	Water	3500-Cr B-2009	
240-197953-10	GC-11	Total/NA	Water	3500-Cr B-2009	
240-197953-11	FD-01	Total/NA	Water	3500-Cr B-2009	
MB 240-599871/3	Method Blank	Total/NA	Water	3500-Cr B-2009	
LCS 240-599871/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	
240-197953-9 MS	GC-09	Total/NA	Water	3500-Cr B-2009	
240-197953-9 MSD	GC-09	Total/NA	Water	3500-Cr B-2009	

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QC Association Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

General Chemistry

Analysis Batch: 600285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total/NA	Water	SM 2540D	
240-197953-2	DS-01	Total/NA	Water	SM 2540D	
240-197953-3	GC-01	Total/NA	Water	SM 2540D	
240-197953-4	GC-02	Total/NA	Water	SM 2540D	
240-197953-5	GC-03	Total/NA	Water	SM 2540D	
240-197953-6	GC-04	Total/NA	Water	SM 2540D	
240-197953-7	GC-05	Total/NA	Water	SM 2540D	
240-197953-8	GC-06	Total/NA	Water	SM 2540D	
240-197953-9	GC-09	Total/NA	Water	SM 2540D	
MB 240-600285/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-600285/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 600316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total/NA	Water	SM 2540C	
240-197953-2	DS-01	Total/NA	Water	SM 2540C	
240-197953-3	GC-01	Total/NA	Water	SM 2540C	
240-197953-4	GC-02	Total/NA	Water	SM 2540C	
240-197953-5	GC-03	Total/NA	Water	SM 2540C	
240-197953-6	GC-04	Total/NA	Water	SM 2540C	
240-197953-7	GC-05	Total/NA	Water	SM 2540C	
240-197953-8	GC-06	Total/NA	Water	SM 2540C	
240-197953-9	GC-09	Total/NA	Water	SM 2540C	
240-197953-10	GC-11	Total/NA	Water	SM 2540C	
240-197953-11	FD-01	Total/NA	Water	SM 2540C	
MB 240-600316/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-600316/2	Lab Control Sample	Total/NA	Water	SM 2540C	
240-197953-8 DU	GC-06	Total/NA	Water	SM 2540C	

Analysis Batch: 600353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-1	US-01	Total/NA	Water	SM 4500 H+ B	
240-197953-2	DS-01	Total/NA	Water	SM 4500 H+ B	
240-197953-3	GC-01	Total/NA	Water	SM 4500 H+ B	
240-197953-4	GC-02	Total/NA	Water	SM 4500 H+ B	
240-197953-5	GC-03	Total/NA	Water	SM 4500 H+ B	
240-197953-6	GC-04	Total/NA	Water	SM 4500 H+ B	
240-197953-7	GC-05	Total/NA	Water	SM 4500 H+ B	
240-197953-8	GC-06	Total/NA	Water	SM 4500 H+ B	
240-197953-9	GC-09	Total/NA	Water	SM 4500 H+ B	
240-197953-10	GC-11	Total/NA	Water	SM 4500 H+ B	
240-197953-11	FD-01	Total/NA	Water	SM 4500 H+ B	
LCS 240-600353/3	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
240-197953-3 DU	GC-01	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 600402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-10	GC-11	Total/NA	Water	SM 2540D	
240-197953-11	FD-01	Total/NA	Water	SM 2540D	
MB 240-600402/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-600402/2	Lab Control Sample	Total/NA	Water	SM 2540D	

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QC Association Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

General Chemistry (Continued)

Analysis Batch: 600402 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-197953-10 DU	GC-11	Total/NA	Water	SM 2540D	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13

Lab Chronicle

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: US-01

Lab Sample ID: 240-197953-1

Date Collected: 01/10/24 09:55

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:39
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:23
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:03

Client Sample ID: DS-01

Lab Sample ID: 240-197953-2

Date Collected: 01/10/24 12:15

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:42
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:24
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 16:56

Client Sample ID: GC-01

Lab Sample ID: 240-197953-3

Date Collected: 01/10/24 11:35

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:44
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:25
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:12

Client Sample ID: GC-02

Lab Sample ID: 240-197953-4

Date Collected: 01/10/24 11:30

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:52
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:26
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:27

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-03

Lab Sample ID: 240-197953-5

Date Collected: 01/10/24 11:25

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:54
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:27
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:24

Client Sample ID: GC-04

Lab Sample ID: 240-197953-6

Date Collected: 01/10/24 11:20

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:57
Total/NA	Analysis	3500-Cr B-2009		10	599871	VH6H	EET CLE	01/10/24 17:28
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 16:54

Client Sample ID: GC-05

Lab Sample ID: 240-197953-7

Date Collected: 01/10/24 11:05

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 17:59
Total/NA	Analysis	3500-Cr B-2009		5	599871	VH6H	EET CLE	01/10/24 17:29
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 16:51

Client Sample ID: GC-06

Lab Sample ID: 240-197953-8

Date Collected: 01/10/24 10:58

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 18:02
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:30
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 16:47

Lab Chronicle

Client: WSP USA Inc
Project/Site: Former Satralloy Site - ISWPP

Job ID: 240-197953-1

Client Sample ID: GC-09

Lab Sample ID: 240-197953-9

Date Collected: 01/10/24 10:50

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 18:04
Total/NA	Analysis	3500-Cr B-2009		5	599871	VH6H	EET CLE	01/10/24 17:35
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600285	C5SV	EET CLE	01/15/24 12:36
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:07

Client Sample ID: GC-11

Lab Sample ID: 240-197953-10

Date Collected: 01/10/24 10:23

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 18:07
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:40
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600402	C5SV	EET CLE	01/16/24 11:21
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:09

Client Sample ID: FD-01

Lab Sample ID: 240-197953-11

Date Collected: 01/10/24 00:00

Matrix: Water

Date Received: 01/10/24 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			599972	TQ6W	EET CLE	01/11/24 14:00
Total Recoverable	Analysis	200.8		1	600210	AJC	EET CLE	01/12/24 18:10
Total/NA	Analysis	3500-Cr B-2009		1	599871	VH6H	EET CLE	01/10/24 17:43
Total/NA	Analysis	SM 2540C		1	600316	C5SV	EET CLE	01/15/24 14:43
Total/NA	Analysis	SM 2540D		1	600402	C5SV	EET CLE	01/16/24 11:21
Total/NA	Analysis	SM 4500 H+ B		1	600353	QUY8	EET CLE	01/15/24 17:20

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 240-197953-1

Project/Site: Former Satralloy Site - ISWPP

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-27-24
Georgia	State	4062	02-27-24
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-28-24
Kentucky (WW)	State	KY98016	12-30-24
Michigan	State	9135	02-27-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-01-24
New York	NELAP	10975	04-01-24
Ohio	State	8303	02-27-24
Ohio VAP	State	ORELAP 4062	02-27-24
Oregon	NELAP	4062	02-27-24
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

Chain of Custody Record

Client Information		Sample: Dakota Analytics		Lab PM: Brooks, Kris M		Carrier Tracking No(s):		COC No: 240-87661-33434.1	
Client Contact: Mr. Bob Ireson		Phone: 3802096878		E-Mail: Kris.Brooks@Eurofinset.com		State of Origin:		Page: of	
Company: Golder Associates Inc.		PWSID:		Analysis Requested		Job #:			
Address: 1335 Dublin Road Suite 126-D		Due Date Requested:		TAT Requested (days):		Barcode		Preservation Codes:	
City: Columbus				Compliance Project: ☐ Yes ☒ No		240-197953 Chain of Custody		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
State, Zip: OH, 43215		PO #: 123-9330910		Project #: 24009044				Other:	
Phone:		WO #:		Site: SATRAIDY					
Email: Bob_Ireson@golder.com									
Project Name: Satralloy ISWPP									
Site:									
Sample Identification		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (W=water, S=solid, O=other)	
US-01		1/10/24 0955		G		G		Water	
DS-01		1/10/24 1215		G		G		Water	
GC-01		1/10/24 1135		G		G		Water	
GC-02		1/10/24 1130		G		G		Water	
GC-03		1/10/24 1125		G		G		Water	
GC-04		1/10/24 1120		G		G		Water	
GC-05		1/10/24 1105		G		G		Water	
GC-06		1/10/24 1058		G		G		Water	
GC-09		1/10/24 1050		G		G		Water	
GC-11		1/10/24 1023		G		G		Water	
FD-01		1/10/24		G		G		Water	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant		☐ Poison B ☐ Unknown ☐ Radiological					
Deliverable Requested: I, II, III, IV, Other (specify)									
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:			
Relinquished by: Dakota Analytics		1/10/24 1430		1430		Company: NESP		Received by: 1/10/24 1430	
Relinquished by: Bob Ireson		1/10/24 1640		1640		Company: NESP		Received by: 1/10/24 1640	
Relinquished by:		Date:		Time:		Company:		Received by:	
Custody Seals Intact: ☐ Yes ☒ No		Custody Seal No.:							
Cooler Temperature(s) °C and Other Remarks:									

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u>		<u>Preservation</u>	<u>Preservation</u>
			<u>pH</u>	<u>Temp</u>	<u>Added</u>	<u>Lot Number</u>
US-01	240-197953-A-1	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
DS-01	240-197953-A-2	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-01	240-197953-A-3	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-02	240-197953-A-4	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-03	240-197953-A-5	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-04	240-197953-A-6	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-05	240-197953-A-7	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-06	240-197953-A-8	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-09	240-197953-A-9	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-11	240-197953-A-10	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
FD-01	240-197953-A-11	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Bob Ireson
WSP USA Inc
2 Miranova Place
Suite 450

Columbus, Ohio 43215

Generated 5/31/2024 2:59:05 PM

JOB DESCRIPTION

Former Satralloy Site C-SWPPP

JOB NUMBER

240-204688-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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5/31/2024 2:59:05 PM

Authorized for release by
Kris Brooks, Project Manager II
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(330)966-9790

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Definitions/Glossary

Client: WSP USA Inc

Job ID: 240-204688-1

Project/Site: Former Satralloy Site C-SWPPP

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Job ID: 240-204688-1

Eurofins Cleveland

Job Narrative 240-204688-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/17/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 9.5°C.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 2540D: The sample duplicate (DUP) precision for analytical batch 240-614113 was outside control limits. Sample non-homogeneity is suspected.

Method 3500_CR_B: The following samples were diluted due to the nature of the sample matrix: GC-09D (240-204688-3), GC-05D (240-204688-4) and FD-01 (240-204688-5). Elevated reporting limits (RLs) are provided. Samples were turbid so dilution was ran.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: WSP USA Inc

Job ID: 240-204688-1

Project/Site: Former Satralloy Site C-SWPPP

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CLE
3500-Cr B-2009	Chromium, Hexavalent	SM	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CLE
SM 4500 H+ B	pH	SM	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: WSP USA Inc

Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-204688-1	US-03	Water	05/17/24 09:30	05/17/24 15:00
240-204688-2	DS-01	Water	05/17/24 10:20	05/17/24 15:00
240-204688-3	GC-09D	Water	05/17/24 10:45	05/17/24 15:00
240-204688-4	GC-05D	Water	05/17/24 10:55	05/17/24 15:00
240-204688-5	FD-01	Water	05/17/24 11:00	05/17/24 15:00

Detection Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: US-03

Lab Sample ID: 240-204688-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	470		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.3		4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DS-01

Lab Sample ID: 240-204688-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	1.6	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	810		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	11		4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-09D

Lab Sample ID: 240-204688-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	530		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	320		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	640		73	7.3	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-05D

Lab Sample ID: 240-204688-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	180		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	780		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	160		25	2.5	mg/L	1		SM 2540D	Total/NA
pH	8.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: FD-01

Lab Sample ID: 240-204688-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	220		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	360		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	250		42	4.2	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: US-03

Lab Sample ID: 240-204688-1

Date Collected: 05/17/24 09:30

Matrix: Water

Date Received: 05/17/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			05/17/24 11:19	1
Total Dissolved Solids (SM 2540C)	470		10	7.8	mg/L			05/22/24 07:39	1
Total Suspended Solids (SM 2540D)	6.3		4.0	0.40	mg/L			05/23/24 08:49	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			05/21/24 19:18	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: DS-01

Lab Sample ID: 240-204688-2

Date Collected: 05/17/24 10:20

Matrix: Water

Date Received: 05/17/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.6	J	5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			05/17/24 11:19	1
Total Dissolved Solids (SM 2540C)	810		10	7.8	mg/L			05/22/24 07:39	1
Total Suspended Solids (SM 2540D)	11		4.0	0.40	mg/L			05/23/24 08:42	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			05/21/24 19:21	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: GC-09D

Lab Sample ID: 240-204688-3

Date Collected: 05/17/24 10:45

Matrix: Water

Date Received: 05/17/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	530		5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.070		0.20	0.070	mg/L			05/17/24 11:19	10
Total Dissolved Solids (SM 2540C)	320		10	7.8	mg/L			05/22/24 09:31	1
Total Suspended Solids (SM 2540D)	640		73	7.3	mg/L			05/23/24 08:49	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			05/21/24 19:23	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: GC-05D

Lab Sample ID: 240-204688-4

Date Collected: 05/17/24 10:55

Matrix: Water

Date Received: 05/17/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	180		5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.070		0.20	0.070	mg/L			05/17/24 11:19	10
Total Dissolved Solids (SM 2540C)	780		10	7.8	mg/L			05/22/24 07:39	1
Total Suspended Solids (SM 2540D)	160		25	2.5	mg/L			05/23/24 08:42	1
pH (SM 4500 H+ B)	8.7	HF	0.1	0.1	SU			05/21/24 19:27	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: FD-01

Lab Sample ID: 240-204688-5

Date Collected: 05/17/24 11:00

Matrix: Water

Date Received: 05/17/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	220		5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.070		0.20	0.070	mg/L			05/17/24 11:19	10
Total Dissolved Solids (SM 2540C)	360		10	7.8	mg/L			05/22/24 07:39	1
Total Suspended Solids (SM 2540D)	250		42	4.2	mg/L			05/23/24 08:42	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			05/21/24 19:29	1

QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-613649/1-A
Matrix: Water
Analysis Batch: 614029

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 613649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		05/20/24 14:00	05/22/24 18:08	1

Lab Sample ID: LCS 240-613649/2-A
Matrix: Water
Analysis Batch: 614029

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 613649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	475		ug/L		95	85 - 115

Method: 3500-Cr B-2009 - Chromium, Hexavalent

Lab Sample ID: MB 240-613470/3
Matrix: Water
Analysis Batch: 613470

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0070		0.020	0.0070	mg/L			05/17/24 11:21	1

Lab Sample ID: LCS 240-613470/4
Matrix: Water
Analysis Batch: 613470

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.250	0.257		mg/L		103	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-613932/1
Matrix: Water
Analysis Batch: 613932

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			05/22/24 07:39	1

Lab Sample ID: LCS 240-613932/2
Matrix: Water
Analysis Batch: 613932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	505	489		mg/L		97	80 - 120

Lab Sample ID: 240-204688-4 DU
Matrix: Water
Analysis Batch: 613932

Client Sample ID: GC-05D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	780		764		mg/L		2	20

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QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 240-613978/1

Matrix: Water

Analysis Batch: 613978

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			05/22/24 09:31	1

Lab Sample ID: LCS 240-613978/2

Matrix: Water

Analysis Batch: 613978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	505	479		mg/L		95	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-614108/1

Matrix: Water

Analysis Batch: 614108

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			05/23/24 08:42	1

Lab Sample ID: LCS 240-614108/2

Matrix: Water

Analysis Batch: 614108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	94.9	91.0		mg/L		96	64 - 120

Lab Sample ID: MB 240-614113/1

Matrix: Water

Analysis Batch: 614113

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			05/23/24 08:49	1

Lab Sample ID: LCS 240-614113/2

Matrix: Water

Analysis Batch: 614113

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	94.9	87.0		mg/L		92	64 - 120

Lab Sample ID: 240-204688-3 DU

Matrix: Water

Analysis Batch: 614113

Client Sample ID: GC-09D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	640		68.6	F3	mg/L		161	10

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QC Sample Results

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 240-613951/96				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 613951							
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	9.14	9.1		SU		100	97 - 103

QC Association Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Metals

Prep Batch: 613649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total Recoverable	Water	200.8	
240-204688-2	DS-01	Total Recoverable	Water	200.8	
240-204688-3	GC-09D	Total Recoverable	Water	200.8	
240-204688-4	GC-05D	Total Recoverable	Water	200.8	
240-204688-5	FD-01	Total Recoverable	Water	200.8	
MB 240-613649/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 240-613649/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 614029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total Recoverable	Water	200.8	613649
240-204688-2	DS-01	Total Recoverable	Water	200.8	613649
240-204688-3	GC-09D	Total Recoverable	Water	200.8	613649
240-204688-4	GC-05D	Total Recoverable	Water	200.8	613649
240-204688-5	FD-01	Total Recoverable	Water	200.8	613649
MB 240-613649/1-A	Method Blank	Total Recoverable	Water	200.8	613649
LCS 240-613649/2-A	Lab Control Sample	Total Recoverable	Water	200.8	613649

General Chemistry

Analysis Batch: 613470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total/NA	Water	3500-Cr B-2009	
240-204688-2	DS-01	Total/NA	Water	3500-Cr B-2009	
240-204688-3	GC-09D	Total/NA	Water	3500-Cr B-2009	
240-204688-4	GC-05D	Total/NA	Water	3500-Cr B-2009	
240-204688-5	FD-01	Total/NA	Water	3500-Cr B-2009	
MB 240-613470/3	Method Blank	Total/NA	Water	3500-Cr B-2009	
LCS 240-613470/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	

Analysis Batch: 613932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total/NA	Water	SM 2540C	
240-204688-2	DS-01	Total/NA	Water	SM 2540C	
240-204688-4	GC-05D	Total/NA	Water	SM 2540C	
240-204688-5	FD-01	Total/NA	Water	SM 2540C	
MB 240-613932/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-613932/2	Lab Control Sample	Total/NA	Water	SM 2540C	
240-204688-4 DU	GC-05D	Total/NA	Water	SM 2540C	

Analysis Batch: 613951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total/NA	Water	SM 4500 H+ B	
240-204688-2	DS-01	Total/NA	Water	SM 4500 H+ B	
240-204688-3	GC-09D	Total/NA	Water	SM 4500 H+ B	
240-204688-4	GC-05D	Total/NA	Water	SM 4500 H+ B	
240-204688-5	FD-01	Total/NA	Water	SM 4500 H+ B	
LCS 240-613951/96	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

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QC Association Summary

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

General Chemistry

Analysis Batch: 613978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-3	GC-09D	Total/NA	Water	SM 2540C	
MB 240-613978/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-613978/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 614108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-2	DS-01	Total/NA	Water	SM 2540D	
240-204688-4	GC-05D	Total/NA	Water	SM 2540D	
240-204688-5	FD-01	Total/NA	Water	SM 2540D	
MB 240-614108/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-614108/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 614113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-204688-1	US-03	Total/NA	Water	SM 2540D	
240-204688-3	GC-09D	Total/NA	Water	SM 2540D	
MB 240-614113/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-614113/2	Lab Control Sample	Total/NA	Water	SM 2540D	
240-204688-3 DU	GC-09D	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: US-03

Lab Sample ID: 240-204688-1

Date Collected: 05/17/24 09:30

Matrix: Water

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			613649	TQ6W	EET CLE	05/20/24 14:00
Total Recoverable	Analysis	200.8		1	614029	RKT	EET CLE	05/22/24 18:36
Total/NA	Analysis	3500-Cr B-2009		1	613470	QUY8	EET CLE	05/17/24 11:19
Total/NA	Analysis	SM 2540C		1	613932	UWU2	EET CLE	05/22/24 07:39
Total/NA	Analysis	SM 2540D		1	614113	UWU2	EET CLE	05/23/24 08:49
Total/NA	Analysis	SM 4500 H+ B		1	613951	JMR	EET CLE	05/21/24 19:18

Client Sample ID: DS-01

Lab Sample ID: 240-204688-2

Date Collected: 05/17/24 10:20

Matrix: Water

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			613649	TQ6W	EET CLE	05/20/24 14:00
Total Recoverable	Analysis	200.8		1	614029	RKT	EET CLE	05/22/24 18:39
Total/NA	Analysis	3500-Cr B-2009		1	613470	QUY8	EET CLE	05/17/24 11:19
Total/NA	Analysis	SM 2540C		1	613932	UWU2	EET CLE	05/22/24 07:39
Total/NA	Analysis	SM 2540D		1	614108	UWU2	EET CLE	05/23/24 08:42
Total/NA	Analysis	SM 4500 H+ B		1	613951	JMR	EET CLE	05/21/24 19:21

Client Sample ID: GC-09D

Lab Sample ID: 240-204688-3

Date Collected: 05/17/24 10:45

Matrix: Water

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			613649	TQ6W	EET CLE	05/20/24 14:00
Total Recoverable	Analysis	200.8		1	614029	RKT	EET CLE	05/22/24 18:41
Total/NA	Analysis	3500-Cr B-2009		10	613470	QUY8	EET CLE	05/17/24 11:19
Total/NA	Analysis	SM 2540C		1	613978	UWU2	EET CLE	05/22/24 09:31
Total/NA	Analysis	SM 2540D		1	614113	UWU2	EET CLE	05/23/24 08:49
Total/NA	Analysis	SM 4500 H+ B		1	613951	JMR	EET CLE	05/21/24 19:23

Client Sample ID: GC-05D

Lab Sample ID: 240-204688-4

Date Collected: 05/17/24 10:55

Matrix: Water

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			613649	TQ6W	EET CLE	05/20/24 14:00
Total Recoverable	Analysis	200.8		1	614029	RKT	EET CLE	05/22/24 18:44
Total/NA	Analysis	3500-Cr B-2009		10	613470	QUY8	EET CLE	05/17/24 11:19
Total/NA	Analysis	SM 2540C		1	613932	UWU2	EET CLE	05/22/24 07:39
Total/NA	Analysis	SM 2540D		1	614108	UWU2	EET CLE	05/23/24 08:42
Total/NA	Analysis	SM 4500 H+ B		1	613951	JMR	EET CLE	05/21/24 19:27

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Former Satralloy Site C-SWPPP

Job ID: 240-204688-1

Client Sample ID: FD-01

Lab Sample ID: 240-204688-5

Date Collected: 05/17/24 11:00

Matrix: Water

Date Received: 05/17/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			613649	TQ6W	EET CLE	05/20/24 14:00
Total Recoverable	Analysis	200.8		1	614029	RKT	EET CLE	05/22/24 18:46
Total/NA	Analysis	3500-Cr B-2009		10	613470	QUY8	EET CLE	05/17/24 11:19
Total/NA	Analysis	SM 2540C		1	613932	UWU2	EET CLE	05/22/24 07:39
Total/NA	Analysis	SM 2540D		1	614108	UWU2	EET CLE	05/23/24 08:42
Total/NA	Analysis	SM 4500 H+ B		1	613951	JMR	EET CLE	05/21/24 19:29

Laboratory References:
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 240-204688-1

Project/Site: Former Satralloy Site C-SWPPP

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	06-30-24
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

 eurofins | Environment Testing



Eurofins - Cleveland Sample Receipt Form/Narrative Login #: 204688
Barberton Facility

Client USF Site Name _____ Cooler unpacked by: DMC
Cooler Received on 5-17-24 Opened on 5-17-24
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
Packing material used. Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None _____
1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 19 (CF +1.5 °C) Observed Cooler Temp. 8.0 °C Corrected Cooler Temp. 9.5 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes (NO) No NA
-Were the seals on the outside of the cooler(s) signed & dated? Yes NO No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes NO No NA
-Were tamper/custody seals intact and uncompromised? Yes NO No NA
3 Shippers' packing slip attached to the cooler(s)? Yes NO No NA
4 Did custody papers accompany the sample(s)? Yes NO No NA
5 Were the custody papers relinquished & signed in the appropriate place? Yes NO No NA
6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes NO No NA
7 Did all bottles arrive in good condition (Unbroken)? Yes NO No NA
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes NO No NA
9 For each sample, does the COC specify preservatives (YN), # of containers (YN), and sample type of grab/comp (YN)? Yes NO No NA
10 Were correct bottle(s) used for the test(s) indicated? Yes NO No NA
11 Sufficient quantity received to perform indicated analyses? Yes NO No NA
12 Are these work share samples and all listed on the COC? Yes NO No NA

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

If yes, Questions 13-17 have been checked at the originating laboratory
13 Were all preserved sample(s) at the correct pH upon receipt? Yes NO No NA pH Strip Lot# HC439975
14 Were VOAs on the COC? Yes NO No NA
15 Were air bubbles >6 mm in any VOA vials? NO Larger than this. Yes NO No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes NO No NA
17 Was a LL Hg or Me Hg trip blank present? Yes NO No NA

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by _____

19 SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20 SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory
Time preserved _____ Preservative(s) added/Lot number(s) _____
VOA Sample Preservation Date/Time VOAs Frozen. _____

Temperature readings						
Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
US-03	240-204688-A-1	Plastic 250ml - with Nitric Acid	<2			
US-03	240-204688-B-1	Plastic 500ml - unpreserved				
US-03	240-204688-C-1	Plastic 1 liter - unpreserved				
DS-01	240-204688-A-2	Plastic 250ml - with Nitric Acid	<2			
DS-01	240-204688-B-2	Plastic 500ml - unpreserved				
DS-01	240-204688-C-2	Plastic 1 liter - unpreserved				
GC-09D	240-204688-A-3	Plastic 250ml - with Nitric Acid	<2			
GC-09D	240-204688-B-3	Plastic 500ml - unpreserved				
GC-09D	240-204688-C-3	Plastic 1 liter - unpreserved				
GC-015D	240-204688-A-4	Plastic 250ml - with Nitric Acid	<2			
GC-015D	240-204688-B-4	Plastic 500ml - unpreserved				
GC-015D	240-204688-C-4	Plastic 1 liter - unpreserved				
FD-01	240-204688-A-5	Plastic 250ml - with Nitric Acid	<2			
FD-01	240-204688-B-5	Plastic 500ml - unpreserved				
FD-01	240-204688-C-5	Plastic 1 liter - unpreserved				

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Bob Ireson
WSP USA Inc
2 Miranova Place
Suite 450

Columbus, Ohio 43215

Generated 8/27/2024 12:28:04 AM

JOB DESCRIPTION

Satralloy - Industrial SWPPP Sampling

JOB NUMBER

240-209782-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
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Definitions/Glossary

Client: WSP USA Inc

Job ID: 240-209782-1

Project/Site: Satralloy - Industrial SWPPP Sampling

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Job ID: 240-209782-1

Eurofins Cleveland

Job Narrative 240-209782-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/19/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.7°C.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Cleveland

Method Summary

Client: WSP USA Inc

Job ID: 240-209782-1

Project/Site: Satralloy - Industrial SWPPP Sampling

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CLE
3500-Cr B-2009	Chromium, Hexavalent	SM	EET CLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET CLE
SM 2540D	Solids, Total Suspended (TSS)	SM	EET CLE
SM 4500 H+ B	pH	SM	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-209782-1	US-03	Water	08/19/24 09:00	08/19/24 15:00
240-209782-2	DS-01	Water	08/19/24 10:50	08/19/24 15:00
240-209782-3	GC-11D	Water	08/19/24 09:10	08/19/24 15:00
240-209782-4	GC-06D	Water	08/19/24 10:00	08/19/24 15:00
240-209782-5	GC-04D	Water	08/19/24 10:25	08/19/24 15:00
240-209782-6	FD-01	Water	08/19/24 00:00	08/19/24 15:00

Detection Summary

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: US-03

Lab Sample ID: 240-209782-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	390		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	16		5.0	0.50	mg/L	1		SM 2540D	Total/NA
pH	8.1	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DS-01

Lab Sample ID: 240-209782-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	2.8	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	900		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	16		8.0	0.80	mg/L	1		SM 2540D	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-11D

Lab Sample ID: 240-209782-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	280		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.30		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	1300		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.0		4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	11.7	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-06D

Lab Sample ID: 240-209782-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	92		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.10		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	530		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	1.1	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC-04D

Lab Sample ID: 240-209782-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	230		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.23		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	810		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	0.90	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	7.9	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: FD-01

Lab Sample ID: 240-209782-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	100		5.0	1.2	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.086		0.020	0.0070	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	420		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	0.70	J	4.0	0.40	mg/L	1		SM 2540D	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: US-03

Lab Sample ID: 240-209782-1

Date Collected: 08/19/24 09:00

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			08/19/24 16:30	1
Total Dissolved Solids (SM 2540C)	390		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	16		5.0	0.50	mg/L			08/22/24 09:44	1
pH (SM 4500 H+ B)	8.1	HF	0.1	0.1	SU			08/20/24 09:40	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: DS-01

Lab Sample ID: 240-209782-2

Date Collected: 08/19/24 10:50

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	2.8	J	5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	<0.0070		0.020	0.0070	mg/L			08/19/24 16:34	1
Total Dissolved Solids (SM 2540C)	900		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	16		8.0	0.80	mg/L			08/23/24 11:45	1
pH (SM 4500 H+ B)	8.3	HF	0.1	0.1	SU			08/20/24 09:40	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: GC-11D

Lab Sample ID: 240-209782-3

Date Collected: 08/19/24 09:10

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	280		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.30		0.020	0.0070	mg/L			08/19/24 16:35	1
Total Dissolved Solids (SM 2540C)	1300		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	5.0		4.0	0.40	mg/L			08/23/24 11:45	1
pH (SM 4500 H+ B)	11.7	HF	0.1	0.1	SU			08/20/24 09:40	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: GC-06D

Lab Sample ID: 240-209782-4

Date Collected: 08/19/24 10:00

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	92		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.10		0.020	0.0070	mg/L			08/19/24 16:35	1
Total Dissolved Solids (SM 2540C)	530		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	1.1	J	4.0	0.40	mg/L			08/23/24 11:45	1
pH (SM 4500 H+ B)	8.2	HF	0.1	0.1	SU			08/20/24 09:40	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: GC-04D

Lab Sample ID: 240-209782-5

Date Collected: 08/19/24 10:25

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	230		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.23		0.020	0.0070	mg/L			08/19/24 16:36	1
Total Dissolved Solids (SM 2540C)	810		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	0.90	J	4.0	0.40	mg/L			08/23/24 11:45	1
pH (SM 4500 H+ B)	7.9	HF	0.1	0.1	SU			08/20/24 09:40	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: FD-01

Lab Sample ID: 240-209782-6

Date Collected: 08/19/24 00:00

Matrix: Water

Date Received: 08/19/24 15:00

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	100		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 18:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI) (SM 3500-Cr B-2009)	0.086		0.020	0.0070	mg/L			08/19/24 16:36	1
Total Dissolved Solids (SM 2540C)	420		10	7.8	mg/L			08/23/24 09:16	1
Total Suspended Solids (SM 2540D)	0.70	J	4.0	0.40	mg/L			08/23/24 11:45	1
pH (SM 4500 H+ B)	8.2	HF	0.1	0.1	SU			08/20/24 09:40	1

QC Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-624027/1-A
Matrix: Water
Analysis Batch: 624482

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 624027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		08/20/24 14:00	08/22/24 17:23	1

Lab Sample ID: LCS 240-624027/2-A
Matrix: Water
Analysis Batch: 624482

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 624027

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	489		ug/L		98	85 - 115

Method: 3500-Cr B-2009 - Chromium, Hexavalent

Lab Sample ID: MB 240-623915/3
Matrix: Water
Analysis Batch: 623915

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0070		0.020	0.0070	mg/L			08/19/24 14:26	1

Lab Sample ID: LCS 240-623915/4
Matrix: Water
Analysis Batch: 623915

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.250	0.254		mg/L		102	85 - 115

Lab Sample ID: 240-209782-1 MS
Matrix: Water
Analysis Batch: 623915

Client Sample ID: US-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	<0.0070		0.250	0.258		mg/L		103	85 - 115

Lab Sample ID: 240-209782-1 MSD
Matrix: Water
Analysis Batch: 623915

Client Sample ID: US-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.0070		0.250	0.259		mg/L		104	85 - 115	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-624512/1
Matrix: Water
Analysis Batch: 624512

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			08/23/24 09:16	1

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QC Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 240-624512/2

Matrix: Water

Analysis Batch: 624512

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	495	452		mg/L		91	80 - 120

Method: SM 2540D - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-624351/1

Matrix: Water

Analysis Batch: 624351

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			08/22/24 09:44	1

Lab Sample ID: LCS 240-624351/2

Matrix: Water

Analysis Batch: 624351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	44.4	38.0	J	mg/L		86	64 - 120

Lab Sample ID: MB 240-624562/1

Matrix: Water

Analysis Batch: 624562

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			08/23/24 11:45	1

Lab Sample ID: LCS 240-624562/2

Matrix: Water

Analysis Batch: 624562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	500	394		mg/L		79	64 - 120

Lab Sample ID: 240-209782-2 DU

Matrix: Water

Analysis Batch: 624562

Client Sample ID: DS-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	16		15.6		mg/L		1	10

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 240-624019/2

Matrix: Water

Analysis Batch: 624019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	9.14	9.1		SU		100	97 - 103

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QC Sample Results

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Method: SM 4500 H+ B - pH (Continued)

Lab Sample ID: LCS 240-624019/25

Matrix: Water

Analysis Batch: 624019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	9.14	9.2		SU		100	97 - 103

Lab Sample ID: LCS 240-624019/48

Matrix: Water

Analysis Batch: 624019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
pH	9.14	9.1		SU		100	97 - 103

Lab Sample ID: 240-209782-6 DU

Matrix: Water

Analysis Batch: 624019

Client Sample ID: FD-01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.2	HF	8.2		SU		0.7	20

QC Association Summary

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Metals

Prep Batch: 624027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total Recoverable	Water	200.8	
240-209782-2	DS-01	Total Recoverable	Water	200.8	
240-209782-3	GC-11D	Total Recoverable	Water	200.8	
240-209782-4	GC-06D	Total Recoverable	Water	200.8	
240-209782-5	GC-04D	Total Recoverable	Water	200.8	
240-209782-6	FD-01	Total Recoverable	Water	200.8	
MB 240-624027/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 240-624027/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 624482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total Recoverable	Water	200.8	624027
240-209782-2	DS-01	Total Recoverable	Water	200.8	624027
240-209782-3	GC-11D	Total Recoverable	Water	200.8	624027
240-209782-4	GC-06D	Total Recoverable	Water	200.8	624027
240-209782-5	GC-04D	Total Recoverable	Water	200.8	624027
240-209782-6	FD-01	Total Recoverable	Water	200.8	624027
MB 240-624027/1-A	Method Blank	Total Recoverable	Water	200.8	624027
LCS 240-624027/2-A	Lab Control Sample	Total Recoverable	Water	200.8	624027

General Chemistry

Analysis Batch: 623915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total/NA	Water	3500-Cr B-2009	
240-209782-2	DS-01	Total/NA	Water	3500-Cr B-2009	
240-209782-3	GC-11D	Total/NA	Water	3500-Cr B-2009	
240-209782-4	GC-06D	Total/NA	Water	3500-Cr B-2009	
240-209782-5	GC-04D	Total/NA	Water	3500-Cr B-2009	
240-209782-6	FD-01	Total/NA	Water	3500-Cr B-2009	
MB 240-623915/3	Method Blank	Total/NA	Water	3500-Cr B-2009	
LCS 240-623915/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	
240-209782-1 MS	US-03	Total/NA	Water	3500-Cr B-2009	
240-209782-1 MSD	US-03	Total/NA	Water	3500-Cr B-2009	

Analysis Batch: 624019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total/NA	Water	SM 4500 H+ B	
240-209782-2	DS-01	Total/NA	Water	SM 4500 H+ B	
240-209782-3	GC-11D	Total/NA	Water	SM 4500 H+ B	
240-209782-4	GC-06D	Total/NA	Water	SM 4500 H+ B	
240-209782-5	GC-04D	Total/NA	Water	SM 4500 H+ B	
240-209782-6	FD-01	Total/NA	Water	SM 4500 H+ B	
LCS 240-624019/2	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCS 240-624019/25	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCS 240-624019/48	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
240-209782-6 DU	FD-01	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 624351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total/NA	Water	SM 2540D	

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QC Association Summary

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

General Chemistry (Continued)

Analysis Batch: 624351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-624351/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-624351/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 624512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-1	US-03	Total/NA	Water	SM 2540C	
240-209782-2	DS-01	Total/NA	Water	SM 2540C	
240-209782-3	GC-11D	Total/NA	Water	SM 2540C	
240-209782-4	GC-06D	Total/NA	Water	SM 2540C	
240-209782-5	GC-04D	Total/NA	Water	SM 2540C	
240-209782-6	FD-01	Total/NA	Water	SM 2540C	
MB 240-624512/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-624512/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 624562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-209782-2	DS-01	Total/NA	Water	SM 2540D	
240-209782-3	GC-11D	Total/NA	Water	SM 2540D	
240-209782-4	GC-06D	Total/NA	Water	SM 2540D	
240-209782-5	GC-04D	Total/NA	Water	SM 2540D	
240-209782-6	FD-01	Total/NA	Water	SM 2540D	
MB 240-624562/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-624562/2	Lab Control Sample	Total/NA	Water	SM 2540D	
240-209782-2 DU	DS-01	Total/NA	Water	SM 2540D	

Lab Chronicle

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: US-03

Lab Sample ID: 240-209782-1

Date Collected: 08/19/24 09:00

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:17
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:30
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624351	TAV2	EET CLE	08/22/24 09:44
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

Client Sample ID: DS-01

Lab Sample ID: 240-209782-2

Date Collected: 08/19/24 10:50

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:19
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:34
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624562	TAV2	EET CLE	08/23/24 11:45
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

Client Sample ID: GC-11D

Lab Sample ID: 240-209782-3

Date Collected: 08/19/24 09:10

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:22
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:35
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624562	TAV2	EET CLE	08/23/24 11:45
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

Client Sample ID: GC-06D

Lab Sample ID: 240-209782-4

Date Collected: 08/19/24 10:00

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:24
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:35
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624562	TAV2	EET CLE	08/23/24 11:45
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Satralloy - Industrial SWPPP Sampling

Job ID: 240-209782-1

Client Sample ID: GC-04D

Lab Sample ID: 240-209782-5

Date Collected: 08/19/24 10:25

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:27
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:36
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624562	TAV2	EET CLE	08/23/24 11:45
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

Client Sample ID: FD-01

Lab Sample ID: 240-209782-6

Date Collected: 08/19/24 00:00

Matrix: Water

Date Received: 08/19/24 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			624027	BN	EET CLE	08/20/24 14:00
Total Recoverable	Analysis	200.8		1	624482	RKT	EET CLE	08/22/24 18:29
Total/NA	Analysis	3500-Cr B-2009		1	623915	C5SV	EET CLE	08/19/24 16:36
Total/NA	Analysis	SM 2540C		1	624512	TAV2	EET CLE	08/23/24 09:16
Total/NA	Analysis	SM 2540D		1	624562	TAV2	EET CLE	08/23/24 11:45
Total/NA	Analysis	SM 4500 H+ B		1	624019	PQD2	EET CLE	08/20/24 09:40

Laboratory References:
EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 240-209782-1

Project/Site: Satralloy - Industrial SWPPP Sampling

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-24
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-24
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-24

Phone (330) 497-9396 Phone (330) 497-0772

$$3.7/4.7$$


240-209782 Chain of Custody

Eurofins - Cleveland Sample Receipt Form/Narrative Login # 209782
Barberton Facility

Client WSP Site Name Satellite Site Cooler unpacked by JESSICA RIGDON
Cooler Received on 8-19-24 Opened on 8-19-24
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Receipt After-hours Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC Foam Box Client Cooler Box Other _____
Packing material used: Bubble Wrap Foam Plastic Bag None Other _____
COOLANT: Wet Ice Blue Ice Dry Ice Water None

1 Cooler temperature upon receipt ☐ See Multiple Cooler Form
IR GUN # 19 (CF +10 °C) Observed Cooler Temp. 37 °C Corrected Cooler Temp. 4.7 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes No
-Were the seals on the outside of the cooler(s) signed & dated? Yes No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
-Were tamper/custody seals intact and uncompromised? Yes No NA

3 Shippers' packing slip attached to the cooler(s)? Yes No
4 Did custody papers accompany the sample(s)? Yes No
5 Were the custody papers relinquished & signed in the appropriate place? Yes No
6 Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7 Did all bottles arrive in good condition (Unbroken)? Yes No
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes No
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)?
10 Were correct bottle(s) used for the test(s) indicated? Yes No
11 Sufficient quantity received to perform indicated analyses? Yes No
12. Are these work share samples and all listed on the COC? Yes No
If yes, Questions 13-17 have been checked at the originating laboratory

13 Were all preserved sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC442471
14. Were VOAs on the COC? Yes No
15 Were air bubbles >6 mm in any VOA vials?  Larger than this. Yes No NA
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes No
17 Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by _____

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory
Time preserved. _____ Preservative(s) added/Lot number(s) _____

VOA Sample Preservation - Date/Time VOAs Frozen. _____

Temperature readings _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Temp</u>	<u>Preservation</u> <u>Added</u>	<u>Preservation</u> <u>Lot Number</u>
US-03	240-209782-A-1	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
US-03	240-209782-B-1	Plastic 500ml - unpreserved	_____	_____	_____	_____
US-03	240-209782-C-1	Plastic 1 liter - unpreserved	_____	_____	_____	_____
DS-01	240-209782-A-2	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
DS-01	240-209782-B-2	Plastic 500ml - unpreserved	_____	_____	_____	_____
DS-01	240-209782-C-2	Plastic 1 liter - unpreserved	_____	_____	_____	_____
GC-11D	240-209782-A-3	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-11D	240-209782-B-3	Plastic 500ml - unpreserved	_____	_____	_____	_____
GC-11D	240-209782-C-3	Plastic 1 liter - unpreserved	_____	_____	_____	_____
GC-06D	240-209782-A-4	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-06D	240-209782-B-4	Plastic 500ml - unpreserved	_____	_____	_____	_____
GC-06D	240-209782-C-4	Plastic 1 liter - unpreserved	_____	_____	_____	_____
GC-04D	240-209782-A-5	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
GC-04D	240-209782-B-5	Plastic 500ml - unpreserved	_____	_____	_____	_____
GC-04D	240-209782-C-5	Plastic 1 liter - unpreserved	_____	_____	_____	_____
FD-01	240-209782-A-6	Plastic 250ml - with Nitric Acid	<2	_____	_____	_____
FD-01	240-209782-B-6	Plastic 500ml - unpreserved	_____	_____	_____	_____
FD-01	240-209782-C-6	Plastic 1 liter - unpreserved	_____	_____	_____	_____

ANALYTICAL REPORT

PREPARED FOR

Attn: Mr. Bob Ireson
WSP USA Inc
2 Miranova Place
Suite 450

Columbus, Ohio 43215

Generated 12/19/2024 8:59:24 PM

JOB DESCRIPTION

Industrial SWPPP-Former Satralloy Site

JOB NUMBER

240-216316-1

Eurofins Cleveland

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Authorized for release by
Kris Brooks, Project Manager II
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(330)966-9790

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Definitions/Glossary

Client: WSP USA Inc

Job ID: 240-216316-1

Project/Site: Industrial SWPPP-Former Satralloy Site

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc
Project: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Job ID: 240-216316-1

Eurofins Cleveland

Job Narrative 240-216316-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/9/2024 4:14 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.9°C and 2.5°C.

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry

Method 3500_CR_B: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: FD-01 (240-216316-9).

Method SM4500_H+: The pH for the following sample was outside the instrument calibration range of 2 to 12: SC-02D (240-216316-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Method Summary

Client: WSP USA Inc

Job ID: 240-216316-1

Project/Site: Industrial SWPPP-Former Satralloy Site

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CLE
2540 C-2020	Solids, Total Dissolved (TDS)	SM	EET CLE
2540D-2020	Solids, Total Suspended (TSS)	SM	EET CLE
3500-Cr B-2020	Chromium, Hexavalent	SM	EET CLE
4500-H+ B-2021	pH	SM	EET CLE
200.8	Preparation, Total Recoverable Metals	EPA	EET CLE

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: WSP USA Inc

Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-216316-1	US-03	Water	12/09/24 13:10	12/09/24 16:14
240-216316-2	DS-01	Water	12/09/24 13:25	12/09/24 16:14
240-216316-3	SC-01D	Water	12/09/24 13:00	12/09/24 16:14
240-216316-4	SC-02D	Water	12/09/24 12:50	12/09/24 16:14
240-216316-5	SW-12	Water	12/09/24 10:10	12/09/24 16:14
240-216316-6	GC-06D	Water	12/09/24 09:30	12/09/24 16:14
240-216316-7	SW-11	Water	12/09/24 10:40	12/09/24 16:14
240-216316-8	GC-04D	Water	12/09/24 09:45	12/09/24 16:14
240-216316-9	FD-01	Water	12/09/24 00:00	12/09/24 16:14

Detection Summary

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: US-03

Lab Sample ID: 240-216316-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	640		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	1.7	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: DS-01

Lab Sample ID: 240-216316-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	4.4	J	5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	1000		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	3.9	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
pH	8.4	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: SC-01D

Lab Sample ID: 240-216316-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	54		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	120		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	3.8	J	4.0	0.40	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.058		0.020	0.0070	mg/L	1		3500-Cr B-2020	Total/NA
pH	9.5	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: SC-02D

Lab Sample ID: 240-216316-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	37		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	390		20	16	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	82		8.0	0.80	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.015	J	0.020	0.0070	mg/L	1		3500-Cr B-2020	Total/NA
pH	12.1	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: SW-12

Lab Sample ID: 240-216316-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	760		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	260		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	390		40	4.0	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.63		0.20	0.070	mg/L	10		3500-Cr B-2020	Total/NA
pH	9.2	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: GC-06D

Lab Sample ID: 240-216316-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	52		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	380		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	160		10	1.0	mg/L	1		2540D-2020	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SW-11

Lab Sample ID: 240-216316-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	320		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	350		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	510		40	4.0	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.21		0.020	0.0070	mg/L	1		3500-Cr B-2020	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: GC-04D

Lab Sample ID: 240-216316-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	470		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	470		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	350		20	2.0	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.47		0.20	0.070	mg/L	10		3500-Cr B-2020	Total/NA
pH	8.0	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

Client Sample ID: FD-01

Lab Sample ID: 240-216316-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	360		5.0	1.2	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	360		10	7.8	mg/L	1		2540 C-2020	Total/NA
Total Suspended Solids	530		36	3.6	mg/L	1		2540D-2020	Total/NA
Cr (VI)	0.23	H	0.20	0.070	mg/L	10		3500-Cr B-2020	Total/NA
pH	8.2	HF	0.1	0.1	SU	1		4500-H+ B-2021	Total/NA

This Detection Summary does not include radiochemical test results.

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Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: US-03

Lab Sample ID: 240-216316-1

Date Collected: 12/09/24 13:10

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 18:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	640		10	7.8	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	1.7	J	4.0	0.40	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	<0.0070		0.020	0.0070	mg/L			12/10/24 08:48	1
pH (SM 4500-H+ B-2021)	8.3	HF	0.1	0.1	SU			12/18/24 14:57	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: DS-01

Lab Sample ID: 240-216316-2

Date Collected: 12/09/24 13:25

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	4.4	J	5.0	1.2	ug/L		12/12/24 05:00	12/16/24 18:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	1000		20	16	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	3.9	J	4.0	0.40	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	<0.0070		0.020	0.0070	mg/L			12/10/24 08:50	1
pH (SM 4500-H+ B-2021)	8.4	HF	0.1	0.1	SU			12/19/24 09:43	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SC-01D

Lab Sample ID: 240-216316-3

Date Collected: 12/09/24 13:00

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	54		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 18:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	120		10	7.8	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	3.8	J	4.0	0.40	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.058		0.020	0.0070	mg/L			12/10/24 08:51	1
pH (SM 4500-H+ B-2021)	9.5	HF	0.1	0.1	SU			12/18/24 15:03	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SC-02D

Lab Sample ID: 240-216316-4

Date Collected: 12/09/24 12:50

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	37		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 18:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	390		20	16	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	82		8.0	0.80	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.015	J	0.020	0.0070	mg/L			12/10/24 08:51	1
pH (SM 4500-H+ B-2021)	12.1	HF	0.1	0.1	SU			12/18/24 15:08	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SW-12

Lab Sample ID: 240-216316-5

Date Collected: 12/09/24 10:10

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	760		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 19:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	260		10	7.8	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	390		40	4.0	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.63		0.20	0.070	mg/L			12/10/24 08:52	10
pH (SM 4500-H+ B-2021)	9.2	HF	0.1	0.1	SU			12/18/24 15:13	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: GC-06D

Lab Sample ID: 240-216316-6

Date Collected: 12/09/24 09:30

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	52		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 19:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	380		10	7.8	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	160		10	1.0	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	<0.0070		0.020	0.0070	mg/L			12/10/24 08:53	1
pH (SM 4500-H+ B-2021)	8.2	HF	0.1	0.1	SU			12/18/24 15:18	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SW-11

Lab Sample ID: 240-216316-7

Date Collected: 12/09/24 10:40

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	320		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 19:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	350		10	7.8	mg/L			12/12/24 14:36	1
Total Suspended Solids (SM 2540D-2020)	510		40	4.0	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.21		0.020	0.0070	mg/L			12/10/24 08:56	1
pH (SM 4500-H+ B-2021)	8.3	HF	0.1	0.1	SU			12/18/24 15:23	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: GC-04D

Lab Sample ID: 240-216316-8

Date Collected: 12/09/24 09:45

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	470		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	470		10	7.8	mg/L			12/13/24 10:20	1
Total Suspended Solids (SM 2540D-2020)	350		20	2.0	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.47		0.20	0.070	mg/L			12/10/24 08:57	10
pH (SM 4500-H+ B-2021)	8.0	HF	0.1	0.1	SU			12/18/24 15:38	1

Client Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: FD-01

Lab Sample ID: 240-216316-9

Date Collected: 12/09/24 00:00

Matrix: Water

Date Received: 12/09/24 16:14

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	360		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 19:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540 C-2020)	360		10	7.8	mg/L			12/13/24 10:26	1
Total Suspended Solids (SM 2540D-2020)	530		36	3.6	mg/L			12/11/24 11:53	1
Cr (VI) (SM 3500-Cr B-2020)	0.23	H	0.20	0.070	mg/L			12/10/24 08:58	10
pH (SM 4500-H+ B-2021)	8.2	HF	0.1	0.1	SU			12/18/24 15:48	1

QC Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-638389/1-A

Matrix: Water

Analysis Batch: 639014

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 638389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<1.2		5.0	1.2	ug/L		12/12/24 05:00	12/16/24 18:15	1

Lab Sample ID: LCS 240-638389/2-A

Matrix: Water

Analysis Batch: 639014

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 638389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	500	518		ug/L		104	85 - 115

Method: 2540 C-2020 - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 240-638586/1

Matrix: Water

Analysis Batch: 638586

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			12/12/24 14:36	1

Lab Sample ID: LCS 240-638586/2

Matrix: Water

Analysis Batch: 638586

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	242	229		mg/L		95	80 - 120

Lab Sample ID: 240-216316-1 DU

Matrix: Water

Analysis Batch: 638586

Client Sample ID: US-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	640		663		mg/L		4	20

Lab Sample ID: MB 240-638699/1

Matrix: Water

Analysis Batch: 638699

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			12/13/24 10:20	1

Lab Sample ID: LCS 240-638699/2

Matrix: Water

Analysis Batch: 638699

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	242	223		mg/L		92	80 - 120

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QC Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Method: 2540 C-2020 - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: MB 240-638700/1
Matrix: Water
Analysis Batch: 638700

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<7.8		10	7.8	mg/L			12/13/24 10:26	1

Lab Sample ID: LCS 240-638700/2
Matrix: Water
Analysis Batch: 638700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	242	232		mg/L		96	80 - 120

Method: 2540D-2020 - Solids, Total Suspended (TSS)

Lab Sample ID: MB 240-638405/1
Matrix: Water
Analysis Batch: 638405

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	<0.40		4.0	0.40	mg/L			12/11/24 11:53	1

Lab Sample ID: LCS 240-638405/2
Matrix: Water
Analysis Batch: 638405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Suspended Solids	72.7	71.0		mg/L		98	64 - 120

Lab Sample ID: 240-216316-4 DU
Matrix: Water
Analysis Batch: 638405

Client Sample ID: SC-02D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Suspended Solids	82		81.6		mg/L		0.5	10

Method: 3500-Cr B-2020 - Chromium, Hexavalent

Lab Sample ID: MB 240-638189/3
Matrix: Water
Analysis Batch: 638189

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0070		0.020	0.0070	mg/L			12/10/24 08:47	1

Lab Sample ID: LCS 240-638189/4
Matrix: Water
Analysis Batch: 638189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cr (VI)	0.250	0.244		mg/L		98	85 - 115

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QC Sample Results

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Method: 3500-Cr B-2020 - Chromium, Hexavalent (Continued)

Lab Sample ID: 240-216316-1 MS

Matrix: Water

Analysis Batch: 638189

Client Sample ID: US-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cr (VI)	<0.0070		0.250	0.255		mg/L		102	85 - 115		

Lab Sample ID: 240-216316-1 MSD

Matrix: Water

Analysis Batch: 638189

Client Sample ID: US-03

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cr (VI)	<0.0070		0.250	0.257		mg/L		103	85 - 115	1	20

Method: 4500-H+ B-2021 - pH

Lab Sample ID: LCS 240-639282/22

Matrix: Water

Analysis Batch: 639282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			9.14	9.1		SU		99	97 - 103		

Lab Sample ID: LCS 240-639282/42

Matrix: Water

Analysis Batch: 639282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			9.14	9.1		SU		99	97 - 103		

Lab Sample ID: 240-216316-8 DU

Matrix: Water

Analysis Batch: 639282

Client Sample ID: GC-04D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	8.0	HF		8.0		SU				0.1	20

Lab Sample ID: LCS 240-639416/72

Matrix: Water

Analysis Batch: 639416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
pH			9.14	9.0		SU		99	97 - 103		

QC Association Summary

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Metals

Prep Batch: 638389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total Recoverable	Water	200.8	
240-216316-2	DS-01	Total Recoverable	Water	200.8	
240-216316-3	SC-01D	Total Recoverable	Water	200.8	
240-216316-4	SC-02D	Total Recoverable	Water	200.8	
240-216316-5	SW-12	Total Recoverable	Water	200.8	
240-216316-6	GC-06D	Total Recoverable	Water	200.8	
240-216316-7	SW-11	Total Recoverable	Water	200.8	
240-216316-8	GC-04D	Total Recoverable	Water	200.8	
240-216316-9	FD-01	Total Recoverable	Water	200.8	
MB 240-638389/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 240-638389/2-A	Lab Control Sample	Total Recoverable	Water	200.8	

Analysis Batch: 639014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total Recoverable	Water	200.8	638389
240-216316-2	DS-01	Total Recoverable	Water	200.8	638389
240-216316-3	SC-01D	Total Recoverable	Water	200.8	638389
240-216316-4	SC-02D	Total Recoverable	Water	200.8	638389
240-216316-5	SW-12	Total Recoverable	Water	200.8	638389
240-216316-6	GC-06D	Total Recoverable	Water	200.8	638389
240-216316-7	SW-11	Total Recoverable	Water	200.8	638389
240-216316-8	GC-04D	Total Recoverable	Water	200.8	638389
240-216316-9	FD-01	Total Recoverable	Water	200.8	638389
MB 240-638389/1-A	Method Blank	Total Recoverable	Water	200.8	638389
LCS 240-638389/2-A	Lab Control Sample	Total Recoverable	Water	200.8	638389

General Chemistry

Analysis Batch: 638189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total/NA	Water	3500-Cr B-2020	
240-216316-2	DS-01	Total/NA	Water	3500-Cr B-2020	
240-216316-3	SC-01D	Total/NA	Water	3500-Cr B-2020	
240-216316-4	SC-02D	Total/NA	Water	3500-Cr B-2020	
240-216316-5	SW-12	Total/NA	Water	3500-Cr B-2020	
240-216316-6	GC-06D	Total/NA	Water	3500-Cr B-2020	
240-216316-7	SW-11	Total/NA	Water	3500-Cr B-2020	
240-216316-8	GC-04D	Total/NA	Water	3500-Cr B-2020	
240-216316-9	FD-01	Total/NA	Water	3500-Cr B-2020	
MB 240-638189/3	Method Blank	Total/NA	Water	3500-Cr B-2020	
LCS 240-638189/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2020	
240-216316-1 MS	US-03	Total/NA	Water	3500-Cr B-2020	
240-216316-1 MSD	US-03	Total/NA	Water	3500-Cr B-2020	

Analysis Batch: 638405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total/NA	Water	2540D-2020	
240-216316-2	DS-01	Total/NA	Water	2540D-2020	
240-216316-3	SC-01D	Total/NA	Water	2540D-2020	
240-216316-4	SC-02D	Total/NA	Water	2540D-2020	
240-216316-5	SW-12	Total/NA	Water	2540D-2020	

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QC Association Summary

Client: WSP USA Inc

Job ID: 240-216316-1

Project/Site: Industrial SWPPP-Former Satralloy Site

General Chemistry (Continued)

Analysis Batch: 638405 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-6	GC-06D	Total/NA	Water	2540D-2020	
240-216316-7	SW-11	Total/NA	Water	2540D-2020	
240-216316-8	GC-04D	Total/NA	Water	2540D-2020	
240-216316-9	FD-01	Total/NA	Water	2540D-2020	
MB 240-638405/1	Method Blank	Total/NA	Water	2540D-2020	
LCS 240-638405/2	Lab Control Sample	Total/NA	Water	2540D-2020	
240-216316-4 DU	SC-02D	Total/NA	Water	2540D-2020	

Analysis Batch: 638586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total/NA	Water	2540 C-2020	
240-216316-2	DS-01	Total/NA	Water	2540 C-2020	
240-216316-3	SC-01D	Total/NA	Water	2540 C-2020	
240-216316-4	SC-02D	Total/NA	Water	2540 C-2020	
240-216316-5	SW-12	Total/NA	Water	2540 C-2020	
240-216316-6	GC-06D	Total/NA	Water	2540 C-2020	
240-216316-7	SW-11	Total/NA	Water	2540 C-2020	
MB 240-638586/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-638586/2	Lab Control Sample	Total/NA	Water	2540 C-2020	
240-216316-1 DU	US-03	Total/NA	Water	2540 C-2020	

Analysis Batch: 638699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-8	GC-04D	Total/NA	Water	2540 C-2020	
MB 240-638699/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-638699/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 638700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-9	FD-01	Total/NA	Water	2540 C-2020	
MB 240-638700/1	Method Blank	Total/NA	Water	2540 C-2020	
LCS 240-638700/2	Lab Control Sample	Total/NA	Water	2540 C-2020	

Analysis Batch: 639282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-1	US-03	Total/NA	Water	4500-H+ B-2021	
240-216316-3	SC-01D	Total/NA	Water	4500-H+ B-2021	
240-216316-4	SC-02D	Total/NA	Water	4500-H+ B-2021	
240-216316-5	SW-12	Total/NA	Water	4500-H+ B-2021	
240-216316-6	GC-06D	Total/NA	Water	4500-H+ B-2021	
240-216316-7	SW-11	Total/NA	Water	4500-H+ B-2021	
240-216316-8	GC-04D	Total/NA	Water	4500-H+ B-2021	
240-216316-9	FD-01	Total/NA	Water	4500-H+ B-2021	
LCS 240-639282/22	Lab Control Sample	Total/NA	Water	4500-H+ B-2021	
LCS 240-639282/42	Lab Control Sample	Total/NA	Water	4500-H+ B-2021	
240-216316-8 DU	GC-04D	Total/NA	Water	4500-H+ B-2021	

Analysis Batch: 639416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-216316-2	DS-01	Total/NA	Water	4500-H+ B-2021	
LCS 240-639416/72	Lab Control Sample	Total/NA	Water	4500-H+ B-2021	

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Lab Chronicle

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: US-03

Lab Sample ID: 240-216316-1

Date Collected: 12/09/24 13:10

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 18:49
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:48
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 14:57

Client Sample ID: DS-01

Lab Sample ID: 240-216316-2

Date Collected: 12/09/24 13:25

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 18:52
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:50
Total/NA	Analysis	4500-H+ B-2021		1	639416	SC3B	EET CLE	12/19/24 09:43

Client Sample ID: SC-01D

Lab Sample ID: 240-216316-3

Date Collected: 12/09/24 13:00

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 18:55
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:51
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:03

Client Sample ID: SC-02D

Lab Sample ID: 240-216316-4

Date Collected: 12/09/24 12:50

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 18:57
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:51
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:08

Eurofins Cleveland

Lab Chronicle

Client: WSP USA Inc
Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: SW-12

Lab Sample ID: 240-216316-5

Date Collected: 12/09/24 10:10

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 19:00
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		10	638189	BLW	EET CLE	12/10/24 08:52
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:13

Client Sample ID: GC-06D

Lab Sample ID: 240-216316-6

Date Collected: 12/09/24 09:30

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 19:03
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:53
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:18

Client Sample ID: SW-11

Lab Sample ID: 240-216316-7

Date Collected: 12/09/24 10:40

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 19:06
Total/NA	Analysis	2540 C-2020		1	638586	TAV2	EET CLE	12/12/24 14:36
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		1	638189	BLW	EET CLE	12/10/24 08:56
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:23

Client Sample ID: GC-04D

Lab Sample ID: 240-216316-8

Date Collected: 12/09/24 09:45

Matrix: Water

Date Received: 12/09/24 16:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 19:08
Total/NA	Analysis	2540 C-2020		1	638699	PQD2	EET CLE	12/13/24 10:20
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		10	638189	BLW	EET CLE	12/10/24 08:57
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:38

Eurofins Cleveland

Lab Chronicle

Client: WSP USA Inc

Project/Site: Industrial SWPPP-Former Satralloy Site

Job ID: 240-216316-1

Client Sample ID: FD-01

Date Collected: 12/09/24 00:00

Date Received: 12/09/24 16:14

Lab Sample ID: 240-216316-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			638389	GK	EET CLE	12/12/24 05:00
Total Recoverable	Analysis	200.8		1	639014	AJC	EET CLE	12/16/24 19:16
Total/NA	Analysis	2540 C-2020		1	638700	PQD2	EET CLE	12/13/24 10:26
Total/NA	Analysis	2540D-2020		1	638405	PQD2	EET CLE	12/11/24 11:53
Total/NA	Analysis	3500-Cr B-2020		10	638189	BLW	EET CLE	12/10/24 08:58
Total/NA	Analysis	4500-H+ B-2021		1	639282	SC3B	EET CLE	12/18/24 15:48

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: WSP USA Inc

Job ID: 240-216316-1

Project/Site: Industrial SWPPP-Former Satralloy Site

Laboratory: Eurofins Cleveland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-28-25
Connecticut	State	PH-0806	12-31-26
Georgia	State	4062	02-27-25
Illinois	NELAP	200004	08-31-25
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-27-25
Kentucky (WW)	State	KY98016	12-30-24
Minnesota	NELAP	039-999-348	12-31-25
New Hampshire	NELAP	225024	09-30-25
New Jersey	NELAP	OH001	07-03-25
New York	NELAP	10975	04-02-25
Ohio VAP	State	ORELAP 4062	02-27-25
Oregon	NELAP	4062	02-27-25
Pennsylvania	NELAP	68-00340	08-31-25
Texas	NELAP	T104704517-22-19	08-31-25
USDA	US Federal Programs	P330-18-00281	01-05-27
Virginia	NELAP	460175	09-14-25
West Virginia DEP	State	210	12-31-24
Wisconsin	State	399167560	08-31-25

80 S. Van Buren Avenue
Barberton, OH 44203
Phone (330) 497-9396 Phone (330) 497-0772

Chain of Custody Record

Client Information

Client Contact:
Mr. Bob Ireson

Company:
WSP USA Inc.

Address:
Two Miranova Place, Suite 450

City:
Columbus

State, Zip:
OH, 43215

Phone:
614-915-3587

Email:
bob.ireson@wsp.com

Project Name:
Industrial SWPPP Sampling

Site:
Former Satralloy Site

Sampler:
David Walter

Phone:
614-915-3587

PWSID:

Lab PM:
Brooks, Kris M

E-Mail:
Kris.Brooks@et.eurofinsus.com

Carrier Tracking No(s):

COC No: 1

State of Origin:
Ohio

Page: 1 of 1

Job #:
US 0033555, 9828 / 400

Analysis Requested

Preservation Codes:

A - HCL M - Hexane
B - NaOH N - None
C - Zn Acetate O - AsNaO2
D - Nitric Acid P - Na2O4S
E - NaHSO4 Q - Na2SO3
F - MeOH R - Na2S2O3
G - Amchlor S - H2SO4
H - Ascorbic Acid T - TSP Dodecahydrate
I - Ice U - Acetone
J - DI Water V - MCAA
K - EDTA W - pH 4-5
L - EDA Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Chromium (200.8)	Chromium, Hexavalent (3500-Cr B-2009)	Total Dissolved Solids (SM 2450C)	Total Suspended Solids (SM 2450D)	pH (SM 4500 H+ B)	Total Number of containers	Special Instructions/Note:
US-01	12-9-2024	1310	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
DS-01	12-9-2024	1325	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
SC-01D	12-9-2024	1300	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
SC-02D	12-9-2024	1250	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
GC-04D SW-12	12-9-2024	1010	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
GC-06D	12-9-2024	0930	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
GC-05D SW-11	12-9-2024	1040	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
GC-04D	12-9-2024	0945	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME
FD-01	12-9-2024	-	G	WS	N	N	X	X	X	X	X		SHORT HOLD TIME

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Deliverable Requested: I, II, III, IV, Other (specify)

Level II, Golder - 4file EDD

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by:

Date:

Time:

Method of Shipment:

Relinquished by:
David C. Malt

Date/Time:
12-9-2024 1400

Company:
WSP

Received by:
[Signature]

Date/Time:
12/9/24 1400

Company:
EVR

Relinquished by:
[Signature]

Date/Time:
12-9-24 1614

Company:
EVR

Received by:
[Signature]

Date/Time:
12-9-24 MS 1614

Company:

Custody Seals Intact:
☐ Yes ☐ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Eurofins - Cleveland Sample Receipt Form/Narrative		Login # : _____
Barberton Facility		
Client <u>WSP</u>	Site Name _____	Cooler unpacked by <u>[Signature]</u>
Cooler Received on <u>12-09-24</u>	Opened on <u>12-10-24</u>	
FedEx: 1st Grd Exp <u>UPS</u> FAS Waypoint <u>Client Drop Off</u>	Eurofins Courier <u>Other</u>	
Receipt After-hours. Drop-off Date/Time _____		Storage Location _____
Eurofins Cooler # <u>EC</u>	Foam Box _____	Client Cooler <u>Box</u> Other _____
Packing material used <u>Bubble Wrap</u> Foam Plastic Bag None Other _____		
COOLANT <u>Wet Ice</u> Blue Ice Dry Ice Water None		
1 Cooler temperature upon receipt <u>17</u> (CF <u>to 1</u> °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp _____ °C		
2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes <u>(No)</u> No <u>(NA)</u>		
-Were the seals on the outside of the cooler(s) signed & dated? Yes <u>(No)</u> No <u>(NA)</u>		
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes <u>(No)</u> No <u>(NA)</u>		
-Were tamper/custody seals intact and uncompromised? Yes <u>(No)</u> No <u>(NA)</u>		
3 Shippers' packing slip attached to the cooler(s)? Yes <u>(No)</u> No <u>(NA)</u>		
4. Did custody papers accompany the sample(s)? Yes <u>(No)</u> No <u>(NA)</u>		
5 Were the custody papers relinquished & signed in the appropriate place? Yes <u>(No)</u> No <u>(NA)</u>		
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes <u>(No)</u> No <u>(NA)</u>		
7 Did all bottles arrive in good condition (Unbroken)? Yes <u>(No)</u> No <u>(NA)</u>		
8 Could all bottle labels (ID/Date/Time) be reconciled with the COC? Yes <u>(No)</u> No <u>(NA)</u>		
9 For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp (Y/N)? Yes <u>(No)</u> No <u>(NA)</u>		
10 Were correct bottle(s) used for the test(s) indicated? Yes <u>(No)</u> No <u>(NA)</u>		
11 Sufficient quantity received to perform indicated analyses? Yes <u>(No)</u> No <u>(NA)</u>		
12. Are these work share samples and all listed on the COC? Yes <u>(No)</u> No <u>(NA)</u>		
If yes, Questions 13-17 have been checked at the originating laboratory		
13 Were all preserved sample(s) at the correct pH upon receipt? Yes <u>(No)</u> No <u>(NA)</u> pH Strip Lot# <u>HC448976</u>		
14 Were VOAs on the COC? Yes <u>(No)</u> No <u>(NA)</u>		
15 Were air bubbles >6 mm in any VOA vials? Yes <u>(No)</u> No <u>(NA)</u>		
16 Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ Yes <u>(No)</u> No <u>(NA)</u>		
17 Was a LL Hg or Me Hg trip blank present? Yes <u>(No)</u> No <u>(NA)</u>		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____		
Concerning _____		
18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page		Samples processed by _____
19. SAMPLE CONDITION		
Sample(s) _____ were received after the recommended holding time had expired.		
Sample(s) _____ were received in a broken container		
Sample(s) _____ were received with bubble >6 mm in diameter (Notify PM)		
20. SAMPLE PRESERVATION		
Sample(s) _____ were further preserved in the laboratory		
Time preserved. _____ Preservative(s) added/Lot number(s) _____		
VOA Sample Preservation - Date/Time VOAs Frozen _____		

Login #: _____

Eurofins - Cleveland Sample Receipt Multiple Cooler Form

[illegible]

Login Container Summary Report

Temperature readings

Client Sample ID	Lab ID	Container Type	Container pH	Preservation Temp	Preservation Added	Preservation Lot Number
US-03	240-216316-A-1	Plastic 250ml - with Nitric Acid	<2			
US-03	240-216316-B-1	Plastic 500ml - unpreserved				
US-03	240-216316-C-1	Plastic 1 liter - unpreserved				
DS-01	240-216316-A-2	Plastic 250ml - with Nitric Acid	<2			
DS-01	240-216316-B-2	Plastic 500ml - unpreserved				
DS-01	240-216316-C-2	Plastic 1 liter - unpreserved				
SC-01D	240-216316-A-3	Plastic 250ml - with Nitric Acid	<2			
SC-01D	240-216316-B-3	Plastic 500ml - unpreserved				
SC-01D	240-216316-C-3	Plastic 1 liter - unpreserved				
SC-02D	240-216316-A-4	Plastic 250ml - with Nitric Acid	<2			
SC-02D	240-216316-B-4	Plastic 500ml - unpreserved				
SC-02D	240-216316-C-4	Plastic 1 liter - unpreserved				
SW-12	240-216316-A-5	Plastic 250ml - with Nitric Acid	<2			
SW-12	240-216316-B-5	Plastic 500ml - unpreserved				
SW-12	240-216316-C-5	Plastic 1 liter - unpreserved				
GC-06D	240-216316-A-6	Plastic 250ml - with Nitric Acid	<2			
GC-06D	240-216316-B-6	Plastic 500ml - unpreserved				
GC-06D	240-216316-C-6	Plastic 1 liter - unpreserved				
SW-11	240-216316-A-7	Plastic 250ml - with Nitric Acid	<2			
SW-11	240-216316-B-7	Plastic 500ml - unpreserved				
SW-11	240-216316-C-7	Plastic 1 liter - unpreserved				
GC-04D	240-216316-A-8	Plastic 250ml - with Nitric Acid	<2			
GC-04D	240-216316-B-8	Plastic 500ml - unpreserved				
GC-04D	240-216316-C-8	Plastic 1 liter - unpreserved				
FD-01	240-216316-A-9	Plastic 250ml - with Nitric Acid	<2			
FD-01	240-216316-B-9	Plastic 500ml - unpreserved				
FD-01	240-216316-C-9	Plastic 1 liter - unpreserved				