

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

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North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-83350-1

Client Project/Site: Satralloy-Industrial SWPPP

For:

Golder Associates Inc.

1335 Dublin Road

Suite 126-D

Columbus, Ohio 43215

Attn: Mr. Bob Ireson



Authorized for release by:

8/14/2017 2:47:59 PM

Kris Brooks, Project Manager II

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Job ID: 240-83350-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Golder Associates Inc.

Project: Satralloy-Industrial SWPPP

Report Number: 240-83350-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 8/8/2017 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

TOTAL RECOVERABLE METALS (ICPMS)

Samples DS01 (240-83350-1), US01 (240-83350-2), ISWP-004 (GC-04D) (240-83350-3), ISWP-005 (GC-05D) (240-83350-4), ISWP-006 (GC-06D) (240-83350-5), ISWP-007 (GC-09D) (240-83350-6), ISWP-011 (SC-01D) (240-83350-7), ISWP-012 (SC-02D) (240-83350-8) and FD (240-83350-9) were analyzed for total recoverable metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 08/09/2017 and analyzed on 08/10/2017.

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

TOTAL DISSOLVED SOLIDS

Samples DS01 (240-83350-1), US01 (240-83350-2), ISWP-004 (GC-04D) (240-83350-3), ISWP-005 (GC-05D) (240-83350-4), ISWP-006 (GC-06D) (240-83350-5), ISWP-007 (GC-09D) (240-83350-6), ISWP-011 (SC-01D) (240-83350-7), ISWP-012 (SC-02D) (240-83350-8) and FD (240-83350-9) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 08/10/2017.

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

Case Narrative

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Job ID: 240-83350-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL SUSPENDED SOLIDS

Samples DS01 (240-83350-1), US01 (240-83350-2), ISWP-004 (GC-04D) (240-83350-3), ISWP-005 (GC-05D) (240-83350-4), ISWP-006 (GC-06D) (240-83350-5), ISWP-007 (GC-09D) (240-83350-6), ISWP-011 (SC-01D) (240-83350-7), ISWP-012 (SC-02D) (240-83350-8) and FD (240-83350-9) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 08/08/2017.

Total Suspended Solids exceeded the RPD limit for the duplicate of sample 240-83349-2. Refer to the QC report for details.

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

HEXAVALENT CHROMIUM

Samples DS01 (240-83350-1), US01 (240-83350-2), ISWP-004 (GC-04D) (240-83350-3), ISWP-005 (GC-05D) (240-83350-4), ISWP-006 (GC-06D) (240-83350-5), ISWP-007 (GC-09D) (240-83350-6), ISWP-011 (SC-01D) (240-83350-7), ISWP-012 (SC-02D) (240-83350-8) and FD (240-83350-9) were analyzed for hexavalent chromium in accordance with SM 3500 CR B. The samples were analyzed on 08/08/2017.

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

PH

Samples DS01 (240-83350-1), US01 (240-83350-2), ISWP-004 (GC-04D) (240-83350-3), ISWP-005 (GC-05D) (240-83350-4), ISWP-006 (GC-06D) (240-83350-5), ISWP-007 (GC-09D) (240-83350-6), ISWP-011 (SC-01D) (240-83350-7), ISWP-012 (SC-02D) (240-83350-8) and FD (240-83350-9) were analyzed for pH in accordance with SM 4500 H+ B. The samples were analyzed on 08/08/2017.

The pH for the following sample was outside the instrument calibration range of 2 to 12: ISWP-012 (SC-02D) (240-83350-8).

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

Method Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-83350-1	DS01	Water	08/07/17 11:05	08/08/17 09:20
240-83350-2	US01	Water	08/07/17 12:35	08/08/17 09:20
240-83350-3	ISWP-004 (GC-04D)	Water	08/07/17 11:20	08/08/17 09:20
240-83350-4	ISWP-005 (GC-05D)	Water	08/07/17 11:30	08/08/17 09:20
240-83350-5	ISWP-006 (GC-06D)	Water	08/07/17 11:39	08/08/17 09:20
240-83350-6	ISWP-007 (GC-09D)	Water	08/07/17 11:54	08/08/17 09:20
240-83350-7	ISWP-011 (SC-01D)	Water	08/07/17 12:25	08/08/17 09:20
240-83350-8	ISWP-012 (SC-02D)	Water	08/07/17 12:18	08/08/17 09:20
240-83350-9	FD	Water	08/07/17 11:05	08/08/17 09:20

Detection Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: DS01

Lab Sample ID: 240-83350-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	880		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	2.2	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: US01

Lab Sample ID: 240-83350-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	520		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	7.0		4.0	2.2	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: ISWP-004 (GC-04D)

Lab Sample ID: 240-83350-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	35		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.029		0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	910		10	7.8	mg/L	1		SM 2540C	Total/NA
pH	9.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: ISWP-005 (GC-05D)

Lab Sample ID: 240-83350-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	190		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.17		0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	1100		10	7.8	mg/L	1		SM 2540C	Total/NA
pH	8.6	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: ISWP-006 (GC-06D)

Lab Sample ID: 240-83350-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	21		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.015	J	0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	430		10	7.8	mg/L	1		SM 2540C	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: ISWP-007 (GC-09D)

Lab Sample ID: 240-83350-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	120		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.062		0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	300		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	58		4.0	2.2	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: ISWP-011 (SC-01D)

Lab Sample ID: 240-83350-7

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-011 (SC-01D) (Continued)

Lab Sample ID: 240-83350-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	56		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.054		0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	120		10	7.8	mg/L	1		SM 2540C	Total/NA
pH	11.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: ISWP-012 (SC-02D)

Lab Sample ID: 240-83350-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	48		2.0	0.98	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.046		0.020	0.0030	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	640		20	16	mg/L	1		SM 2540C	Total/NA
pH	12.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: FD

Lab Sample ID: 240-83350-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	880		10	7.8	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.0		4.0	2.2	mg/L	1		SM 2540D	Total/NA
pH	8.8	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: DS01
Date Collected: 08/07/17 11:05
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.98		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 21:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0030		0.020	0.0030	mg/L			08/08/17 10:54	1
Total Dissolved Solids	880		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	4.0		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.0	HF	0.1	0.1	SU			08/08/17 11:42	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: US01
Date Collected: 08/07/17 12:35
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.98		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 21:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0030		0.020	0.0030	mg/L			08/08/17 11:06	1
Total Dissolved Solids	520		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	7.0		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.3	HF	0.1	0.1	SU			08/08/17 11:52	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-004 (GC-04D)

Lab Sample ID: 240-83350-3

Date Collected: 08/07/17 11:20

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	35		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.029		0.020	0.0030	mg/L			08/08/17 10:57	1
Total Dissolved Solids	910		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	<2.2		4.0	2.2	mg/L			08/08/17 12:38	1
pH	9.4	HF	0.1	0.1	SU			08/08/17 11:57	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-005 (GC-05D)

Lab Sample ID: 240-83350-4

Date Collected: 08/07/17 11:30

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	190		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.17		0.020	0.0030	mg/L			08/08/17 10:59	1
Total Dissolved Solids	1100		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	<2.2		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.6	HF	0.1	0.1	SU			08/08/17 12:02	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-006 (GC-06D)

Lab Sample ID: 240-83350-5

Date Collected: 08/07/17 11:39

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.015	J	0.020	0.0030	mg/L			08/08/17 11:00	1
Total Dissolved Solids	430		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	<2.2		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.3	HF	0.1	0.1	SU			08/08/17 12:07	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-007 (GC-09D)

Lab Sample ID: 240-83350-6

Date Collected: 08/07/17 11:54

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	120		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.062		0.020	0.0030	mg/L			08/08/17 11:01	1
Total Dissolved Solids	300		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	58		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.4	HF	0.1	0.1	SU			08/08/17 12:12	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-011 (SC-01D)

Lab Sample ID: 240-83350-7

Date Collected: 08/07/17 12:25

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	56		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.054		0.020	0.0030	mg/L			08/08/17 11:05	1
Total Dissolved Solids	120		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	<2.2		4.0	2.2	mg/L			08/08/17 12:38	1
pH	11.4	HF	0.1	0.1	SU			08/08/17 12:17	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-012 (SC-02D)

Lab Sample ID: 240-83350-8

Date Collected: 08/07/17 12:18

Matrix: Water

Date Received: 08/08/17 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	48		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.046		0.020	0.0030	mg/L			08/08/17 11:02	1
Total Dissolved Solids	640		20	16	mg/L			08/10/17 10:47	1
Total Suspended Solids	<2.2		4.0	2.2	mg/L			08/08/17 12:38	1
pH	12.3	HF	0.1	0.1	SU			08/08/17 12:22	1

TestAmerica Canton

Client Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: FD

Date Collected: 08/07/17 11:05

Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.98		2.0	0.98	ug/L		08/09/17 14:00	08/10/17 22:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0030		0.020	0.0030	mg/L			08/08/17 10:58	1
Total Dissolved Solids	880		10	7.8	mg/L			08/10/17 10:47	1
Total Suspended Solids	6.0		4.0	2.2	mg/L			08/08/17 12:38	1
pH	8.8	HF	0.1	0.1	SU			08/08/17 12:31	1

TestAmerica Canton

QC Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-290482/1-A
Matrix: Water
Analysis Batch: 290786

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 290482

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.98		2.0	0.98	ug/L	-	08/09/17 14:00	08/10/17 21:24	1

Lab Sample ID: LCS 240-290482/2-A
Matrix: Water
Analysis Batch: 290786

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 290482

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1000	981		ug/L	-	98	85 - 115

Lab Sample ID: 240-83350-1 MS
Matrix: Water
Analysis Batch: 290786

Client Sample ID: DS01
Prep Type: Total Recoverable
Prep Batch: 290482

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	<0.98		1000	942		ug/L	-	94	70 - 130

Lab Sample ID: 240-83350-1 MSD
Matrix: Water
Analysis Batch: 290786

Client Sample ID: DS01
Prep Type: Total Recoverable
Prep Batch: 290482

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	<0.98		1000	983		ug/L	-	98	70 - 130	4	20

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

Lab Sample ID: MB 240-290339/3
Matrix: Water
Analysis Batch: 290339

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0030		0.020	0.0030	mg/L	-		08/08/17 10:52	1

Lab Sample ID: LCS 240-290339/4
Matrix: Water
Analysis Batch: 290339

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	0.280		mg/L	-	112	80 - 123

Lab Sample ID: 240-83350-1 MSD
Matrix: Water
Analysis Batch: 290339

Client Sample ID: DS01
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)	<0.0030		0.250	0.245		mg/L	-				

TestAmerica Canton

QC Sample Results

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

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

Lab Sample ID: MB 240-290672/1

Matrix: Water

Analysis Batch: 290672

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	-		08/10/17 10:47	1

Lab Sample ID: LCS 240-290672/2

Matrix: Water

Analysis Batch: 290672

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	480	443		mg/L	-	92	80 - 120

Lab Sample ID: 240-83350-9 DU

Matrix: Water

Analysis Batch: 290672

Client Sample ID: FD

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	880		869		mg/L	-	0.9	20

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

Lab Sample ID: MB 240-290362/1

Matrix: Water

Analysis Batch: 290362

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	<2.2		4.0	2.2	mg/L	-		08/08/17 12:38	1

Lab Sample ID: LCS 240-290362/2

Matrix: Water

Analysis Batch: 290362

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	66.1	65.0		mg/L	-	98	64 - 120

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 240-290355/2

Matrix: Water

Analysis Batch: 290355

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	5.79	5.8		SU	-	100	97 - 103

Lab Sample ID: 240-83350-2 DU

Matrix: Water

Analysis Batch: 290355

Client Sample ID: US01

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.3	HF	8.2		SU	-	0.6	20

TestAmerica Canton

QC Association Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Metals

Prep Batch: 290482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total Recoverable	Water	200.8	
240-83350-2	US01	Total Recoverable	Water	200.8	
240-83350-3	ISWP-004 (GC-04D)	Total Recoverable	Water	200.8	
240-83350-4	ISWP-005 (GC-05D)	Total Recoverable	Water	200.8	
240-83350-5	ISWP-006 (GC-06D)	Total Recoverable	Water	200.8	
240-83350-6	ISWP-007 (GC-09D)	Total Recoverable	Water	200.8	
240-83350-7	ISWP-011 (SC-01D)	Total Recoverable	Water	200.8	
240-83350-8	ISWP-012 (SC-02D)	Total Recoverable	Water	200.8	
240-83350-9	FD	Total Recoverable	Water	200.8	
MB 240-290482/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 240-290482/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
240-83350-1 MS	DS01	Total Recoverable	Water	200.8	
240-83350-1 MSD	DS01	Total Recoverable	Water	200.8	

Analysis Batch: 290786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total Recoverable	Water	200.8	290482
240-83350-2	US01	Total Recoverable	Water	200.8	290482
240-83350-3	ISWP-004 (GC-04D)	Total Recoverable	Water	200.8	290482
240-83350-4	ISWP-005 (GC-05D)	Total Recoverable	Water	200.8	290482
240-83350-5	ISWP-006 (GC-06D)	Total Recoverable	Water	200.8	290482
240-83350-6	ISWP-007 (GC-09D)	Total Recoverable	Water	200.8	290482
240-83350-7	ISWP-011 (SC-01D)	Total Recoverable	Water	200.8	290482
240-83350-8	ISWP-012 (SC-02D)	Total Recoverable	Water	200.8	290482
240-83350-9	FD	Total Recoverable	Water	200.8	290482
MB 240-290482/1-A	Method Blank	Total Recoverable	Water	200.8	290482
LCS 240-290482/2-A	Lab Control Sample	Total Recoverable	Water	200.8	290482
240-83350-1 MS	DS01	Total Recoverable	Water	200.8	290482
240-83350-1 MSD	DS01	Total Recoverable	Water	200.8	290482

General Chemistry

Analysis Batch: 290339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total/NA	Water	3500-Cr B-2009	
240-83350-2	US01	Total/NA	Water	3500-Cr B-2009	
240-83350-3	ISWP-004 (GC-04D)	Total/NA	Water	3500-Cr B-2009	
240-83350-4	ISWP-005 (GC-05D)	Total/NA	Water	3500-Cr B-2009	
240-83350-5	ISWP-006 (GC-06D)	Total/NA	Water	3500-Cr B-2009	
240-83350-6	ISWP-007 (GC-09D)	Total/NA	Water	3500-Cr B-2009	
240-83350-7	ISWP-011 (SC-01D)	Total/NA	Water	3500-Cr B-2009	
240-83350-8	ISWP-012 (SC-02D)	Total/NA	Water	3500-Cr B-2009	
240-83350-9	FD	Total/NA	Water	3500-Cr B-2009	
MB 240-290339/3	Method Blank	Total/NA	Water	3500-Cr B-2009	
LCS 240-290339/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	
240-83350-1 MS	DS01	Total/NA	Water	3500-Cr B-2009	
240-83350-1 MSD	DS01	Total/NA	Water	3500-Cr B-2009	

TestAmerica Canton

QC Association Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

General Chemistry (Continued)

Analysis Batch: 290355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total/NA	Water	SM 4500 H+ B	
240-83350-2	US01	Total/NA	Water	SM 4500 H+ B	
240-83350-3	ISWP-004 (GC-04D)	Total/NA	Water	SM 4500 H+ B	
240-83350-4	ISWP-005 (GC-05D)	Total/NA	Water	SM 4500 H+ B	
240-83350-5	ISWP-006 (GC-06D)	Total/NA	Water	SM 4500 H+ B	
240-83350-6	ISWP-007 (GC-09D)	Total/NA	Water	SM 4500 H+ B	
240-83350-7	ISWP-011 (SC-01D)	Total/NA	Water	SM 4500 H+ B	
240-83350-8	ISWP-012 (SC-02D)	Total/NA	Water	SM 4500 H+ B	
240-83350-9	FD	Total/NA	Water	SM 4500 H+ B	
LCS 240-290355/2	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
240-83350-2 DU	US01	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 290362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total/NA	Water	SM 2540D	
240-83350-2	US01	Total/NA	Water	SM 2540D	
240-83350-3	ISWP-004 (GC-04D)	Total/NA	Water	SM 2540D	
240-83350-4	ISWP-005 (GC-05D)	Total/NA	Water	SM 2540D	
240-83350-5	ISWP-006 (GC-06D)	Total/NA	Water	SM 2540D	
240-83350-6	ISWP-007 (GC-09D)	Total/NA	Water	SM 2540D	
240-83350-7	ISWP-011 (SC-01D)	Total/NA	Water	SM 2540D	
240-83350-8	ISWP-012 (SC-02D)	Total/NA	Water	SM 2540D	
240-83350-9	FD	Total/NA	Water	SM 2540D	
MB 240-290362/1	Method Blank	Total/NA	Water	SM 2540D	
LCS 240-290362/2	Lab Control Sample	Total/NA	Water	SM 2540D	

Analysis Batch: 290672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-83350-1	DS01	Total/NA	Water	SM 2540C	
240-83350-2	US01	Total/NA	Water	SM 2540C	
240-83350-3	ISWP-004 (GC-04D)	Total/NA	Water	SM 2540C	
240-83350-4	ISWP-005 (GC-05D)	Total/NA	Water	SM 2540C	
240-83350-5	ISWP-006 (GC-06D)	Total/NA	Water	SM 2540C	
240-83350-6	ISWP-007 (GC-09D)	Total/NA	Water	SM 2540C	
240-83350-7	ISWP-011 (SC-01D)	Total/NA	Water	SM 2540C	
240-83350-8	ISWP-012 (SC-02D)	Total/NA	Water	SM 2540C	
240-83350-9	FD	Total/NA	Water	SM 2540C	
MB 240-290672/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 240-290672/2	Lab Control Sample	Total/NA	Water	SM 2540C	
240-83350-9 DU	FD	Total/NA	Water	SM 2540C	

TestAmerica Canton

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: DS01
Date Collected: 08/07/17 11:05
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 21:33	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 10:54	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 11:42	MM	TAL CAN

Client Sample ID: US01
Date Collected: 08/07/17 12:35
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 21:56	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 11:06	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 11:52	MM	TAL CAN

Client Sample ID: ISWP-004 (GC-04D)
Date Collected: 08/07/17 11:20
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:01	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 10:57	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 11:57	MM	TAL CAN

Client Sample ID: ISWP-005 (GC-05D)
Date Collected: 08/07/17 11:30
Date Received: 08/08/17 09:20

Lab Sample ID: 240-83350-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:05	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 10:59	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-005 (GC-05D)

Lab Sample ID: 240-83350-4

Date Collected: 08/07/17 11:30

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:02	MM	TAL CAN

Client Sample ID: ISWP-006 (GC-06D)

Lab Sample ID: 240-83350-5

Date Collected: 08/07/17 11:39

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:19	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 11:00	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:07	MM	TAL CAN

Client Sample ID: ISWP-007 (GC-09D)

Lab Sample ID: 240-83350-6

Date Collected: 08/07/17 11:54

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:24	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 11:01	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:12	MM	TAL CAN

Client Sample ID: ISWP-011 (SC-01D)

Lab Sample ID: 240-83350-7

Date Collected: 08/07/17 12:25

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:28	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 11:05	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:17	MM	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Client Sample ID: ISWP-012 (SC-02D)

Lab Sample ID: 240-83350-8

Date Collected: 08/07/17 12:18

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:33	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 11:02	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:22	MM	TAL CAN

Client Sample ID: FD

Lab Sample ID: 240-83350-9

Date Collected: 08/07/17 11:05

Matrix: Water

Date Received: 08/08/17 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			290482	08/09/17 14:00	AJC	TAL CAN
Total Recoverable	Analysis	200.8		1	290786	08/10/17 22:37	AS1	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	290339	08/08/17 10:58	MM	TAL CAN
Total/NA	Analysis	SM 2540C		1	290672	08/10/17 10:47	MM	TAL CAN
Total/NA	Analysis	SM 2540D		1	290362	08/08/17 12:38	JWW	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	290355	08/08/17 12:31	MM	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Accreditation/Certification Summary

Client: Golder Associates Inc.
Project/Site: Satralloy-Industrial SWPPP

TestAmerica Job ID: 240-83350-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2927	02-23-18
Connecticut	State Program	1	PH-0590	12-31-17 *
Florida	NELAP	4	E87225	06-30-18
Illinois	NELAP	5	200004	07-31-18
Kansas	NELAP	7	E-10336	01-31-18 *
Kentucky (UST)	State Program	4	58	02-23-18
Kentucky (VW)	State Program	4	98016	12-31-17 *
Minnesota	NELAP	5	039-999-348	12-31-17 *
Minnesota (Petrofund)	State Program	1	3506	07-31-17 *
Nevada	State Program	9	OH-000482008A	07-31-18
New Jersey	NELAP	2	OH001	06-30-18
New York	NELAP	2	10975	03-31-18
Ohio VAP	State Program	5	CL0024	09-14-17 *
Oregon	NELAP	10	4062	02-23-18
Pennsylvania	NELAP	3	68-00340	08-31-17 *
Texas	NELAP	6	T104704517-15-5	08-31-17 *
USDA	Federal		P330-16-00404	12-28-19
Virginia	NELAP	3	460175	09-14-17 *
Washington	State Program	10	C971	01-12-18 *
West Virginia DEP	State Program	3	210	12-31-17 *
Wisconsin	State Program	5	999518190	08-31-17 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Canton

8/14/2017

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 83300

Client <u>Goldner</u>	Site Name _____	Cooler unpacked by: <u>[Signature]</u>
Cooler Received on <u>8-8-17</u>	Opened on <u>8-8-17</u>	
FedEx: 1 st Grd ☒ Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other		
Receipt After-hours: Drop-off Date/Time _____		Storage Location _____
TestAmerica Cooler # _____ 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# IR-8 (CF -0.4 °C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C IR GUN #36 (CF +0°C) Observed Cooler Temp. <u>0.4</u> °C Corrected Cooler Temp. <u>0.4</u> °C		
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____ Yes ☒ No ☐ -Were custody seals on the outside of the cooler(s) signed & dated? Yes ☐ No ☒ NA -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes ☒ No ☐		
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 be reconciled with the COC? ☒ Yes ☐ No		
9. Were correct bottle(s) used for the test(s) indicated? ☒ Yes ☐ No		
10. Sufficient quantity received to perform indicated analyses? ☒ Yes ☐ No		
11. Are these work share samples? ☒ Yes ☐ No		
If yes, Questions 11-15 have been checked at the originating laboratory. 11. Were sample(s) at the correct pH upon receipt? ☒ Yes ☐ No NA pH Strip Lot# <u>HC697954</u>		
12. Were VOAs on the COC? ☒ Yes ☐ No		
13. Were air bubbles >6 mm in any VOA vials? ☒ Yes ☐ No NA		
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____ ☒ Yes ☐ No		
15. Was a LL Hg or Me Hg trip blank present? ☒ Yes ☐ No		
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other		
Concerning _____		

16. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES 	Samples processed by: _____
17. 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)	
18. SAMPLE PRESERVATION Sample(s) _____ were further preserved in the laboratory. Time preserved: _____ Preservative(s) added/Lot number(s): _____	

Temperature readings: _____

<u>Client Sample ID</u>	<u>Lab ID</u>	<u>Container Type</u>	<u>Container</u> <u>pH</u>	<u>Preservative</u> <u>Added (mls)</u>	<u>Lot #</u>
DS01	240-83350-A-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
US01	240-83350-A-2	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-004 (GC-04D)	240-83350-A-3	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-005 (GC-05D)	240-83350-A-4	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-006 (GC-06D)	240-83350-A-5	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-007 (GC-09D)	240-83350-A-6	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-011 (SC-01D)	240-83350-A-7	Plastic 250ml - with Nitric Acid	<2	_____	_____
ISWP-012 (SC-02D)	240-83350-A-8	Plastic 250ml - with Nitric Acid	<2	_____	_____
FD	240-83350-A-9	Plastic 250ml - with Nitric Acid	<2	_____	_____