

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-45612-1

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:

12/30/2014 2:30:10 PM

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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: 240-45612-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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	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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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: 240-45612-1

Job ID: 240-45612-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Golder Associates Inc.

Project: Satralloy - Industrial SWPPP

Report Number: 240-45612-1

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 12/17/2014 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.3° C.

TOTAL RECOVERABLE METALS (ICPMS)

Samples US01 (240-45612-1), SC02D (240-45612-2), SC01D (240-45612-3), GC09D (240-45612-4), GC06D (240-45612-5), GC05D (240-45612-6), GC04D (240-45612-7), DS01 (240-45612-8) and FD (240-45612-9) were analyzed for total recoverable metals (ICPMS) in accordance with EPA Method 200.8. The samples were prepared on 12/18/2014 and analyzed on 12/29/2014.

Chromium was detected in method blank MB 240-161666/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. 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.

TOTAL DISSOLVED SOLIDS

Samples US01 (240-45612-1), SC02D (240-45612-2), SC01D (240-45612-3), GC09D (240-45612-4), GC06D (240-45612-5), GC05D (240-45612-6), GC04D (240-45612-7), DS01 (240-45612-8) and FD (240-45612-9) were analyzed for total dissolved solids in accordance with SM 2540C. The samples were analyzed on 12/19/2014.

Case Narrative

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

TestAmerica Job ID: 240-45612-1

Job ID: 240-45612-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

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

TOTAL SUSPENDED SOLIDS

Samples US01 (240-45612-1), SC02D (240-45612-2), SC01D (240-45612-3), GC09D (240-45612-4), GC06D (240-45612-5), GC05D (240-45612-6), GC04D (240-45612-7), DS01 (240-45612-8) and FD (240-45612-9) were analyzed for total suspended solids in accordance with SM 2540D. The samples were analyzed on 12/22/2014.

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

HEXAVALENT CHROMIUM

Samples US01 (240-45612-1), SC02D (240-45612-2), SC01D (240-45612-3), GC09D (240-45612-4), GC06D (240-45612-5), GC05D (240-45612-6), GC04D (240-45612-7), DS01 (240-45612-8) and FD (240-45612-9) were analyzed for hexavalent chromium in accordance with SM 3500 CR B. The samples were analyzed on 12/17/2014.

Sample GC04D (240-45612-7)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

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

PH

Samples US01 (240-45612-1), SC02D (240-45612-2), SC01D (240-45612-3), GC09D (240-45612-4), GC06D (240-45612-5), GC05D (240-45612-6), GC04D (240-45612-7), DS01 (240-45612-8) and FD (240-45612-9) were analyzed for pH in accordance with SM 4500 H+ B. The samples were analyzed on 12/17/2014.

No 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: 240-45612-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL CAN
3500-Cr B-2009	Chromium, Hexxavalent	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.

TestAmerica Job ID: 240-45612-1

Project/Site: Satralloy - Industrial SWPPP

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-45612-1	US01	Water	12/16/14 11:05	12/17/14 10:10
240-45612-2	SC02D	Water	12/16/14 11:25	12/17/14 10:10
240-45612-3	SC01D	Water	12/16/14 11:14	12/17/14 10:10
240-45612-4	GC09D	Water	12/16/14 11:52	12/17/14 10:10
240-45612-5	GC06D	Water	12/16/14 12:01	12/17/14 10:10
240-45612-6	GC05D	Water	12/16/14 12:18	12/17/14 10:10
240-45612-7	GC04D	Water	12/16/14 12:24	12/17/14 10:10
240-45612-8	DS01	Water	12/16/14 12:35	12/17/14 10:10
240-45612-9	FD	Water	12/16/14 14:09	12/17/14 10:10

Detection Summary

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: US01

Lab Sample ID: 240-45612-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	1.1	J B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	510		10	7.4	mg/L	1		SM 2540C	Total/NA
pH	8.20	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: SC02D

Lab Sample ID: 240-45612-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	43	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.045		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	520		20	15	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	1.8	mg/L	1		SM 2540D	Total/NA
pH	12.2	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: SC01D

Lab Sample ID: 240-45612-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	57	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.060		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	190		10	7.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	3.0	J	4.0	1.8	mg/L	1		SM 2540D	Total/NA
pH	11.7	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC09D

Lab Sample ID: 240-45612-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	270	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.28		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	300		10	7.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	4.0		4.0	1.8	mg/L	1		SM 2540D	Total/NA
pH	8.38	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC06D

Lab Sample ID: 240-45612-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	32	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.035		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	550		10	7.4	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	5.0		4.0	1.8	mg/L	1		SM 2540D	Total/NA
pH	8.14	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC05D

Lab Sample ID: 240-45612-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	480	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.49		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	670		10	7.4	mg/L	1		SM 2540C	Total/NA

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: 240-45612-1

Client Sample ID: GC05D (Continued)

Lab Sample ID: 240-45612-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	95		4.0	1.8	mg/L	1		SM 2540D	Total/NA
pH	9.54	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: GC04D

Lab Sample ID: 240-45612-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	640	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.66		0.040	0.0038	mg/L	2		3500-Cr B-2009	Total/NA
Total Dissolved Solids	1200		10	7.4	mg/L	1		SM 2540C	Total/NA
pH	11.5	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: DS01

Lab Sample ID: 240-45612-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	1.9	J B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Total Dissolved Solids	790		10	7.4	mg/L	1		SM 2540C	Total/NA
pH	8.46	HF	0.100	0.100	SU	1		SM 4500 H+ B	Total/NA

Client Sample ID: FD

Lab Sample ID: 240-45612-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	37	B	2.0	0.20	ug/L	1		200.8	Total Recoverable
Cr (VI)	0.041		0.020	0.0019	mg/L	1		3500-Cr B-2009	Total/NA
Total Dissolved Solids	590		10	7.4	mg/L	1		SM 2540C	Total/NA
pH	8.27	HF	0.100	0.100	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: 240-45612-1

Client Sample ID: US01

Date Collected: 12/16/14 11:05

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.1	J B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0019		0.020	0.0019	mg/L			12/17/14 10:50	1
Total Dissolved Solids	510		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	<1.8		4.0	1.8	mg/L			12/22/14 09:09	1
pH	8.20	HF	0.100	0.100	SU			12/17/14 12:06	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: SC02D

Date Collected: 12/16/14 11:25

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	43	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.045		0.020	0.0019	mg/L			12/17/14 10:51	1
Total Dissolved Solids	520		20	15	mg/L			12/19/14 12:09	1
Total Suspended Solids	4.0		4.0	1.8	mg/L			12/22/14 09:09	1
pH	12.2	HF	0.100	0.100	SU			12/17/14 12:41	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: SC01D

Date Collected: 12/16/14 11:14

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	57	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.060		0.020	0.0019	mg/L			12/17/14 10:49	1
Total Dissolved Solids	190		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	3.0	J	4.0	1.8	mg/L			12/22/14 09:09	1
pH	11.7	HF	0.100	0.100	SU			12/17/14 11:39	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: GC09D

Lab Sample ID: 240-45612-4

Date Collected: 12/16/14 11:52

Matrix: Water

Date Received: 12/17/14 10:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	270	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.28		0.020	0.0019	mg/L			12/17/14 10:52	1
Total Dissolved Solids	300		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	4.0		4.0	1.8	mg/L			12/22/14 09:09	1
pH	8.38	HF	0.100	0.100	SU			12/17/14 12:59	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: GC06D

Date Collected: 12/16/14 12:01

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	32	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.035		0.020	0.0019	mg/L			12/17/14 10:50	1
Total Dissolved Solids	550		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	5.0		4.0	1.8	mg/L			12/22/14 09:09	1
pH	8.14	HF	0.100	0.100	SU			12/17/14 12:15	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: GC05D

Date Collected: 12/16/14 12:18

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	480	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.49		0.020	0.0019	mg/L			12/17/14 10:50	1
Total Dissolved Solids	670		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	95		4.0	1.8	mg/L			12/22/14 09:09	1
pH	9.54	HF	0.100	0.100	SU			12/17/14 12:23	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: GC04D

Date Collected: 12/16/14 12:24

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	640	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.66		0.040	0.0038	mg/L			12/17/14 10:50	2
Total Dissolved Solids	1200		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	<1.8		4.0	1.8	mg/L			12/22/14 09:09	1
pH	11.5	HF	0.100	0.100	SU			12/17/14 12:32	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: DS01

Date Collected: 12/16/14 12:35

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.9	J B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0019		0.020	0.0019	mg/L			12/17/14 10:49	1
Total Dissolved Solids	790		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	<1.8		4.0	1.8	mg/L			12/22/14 09:09	1
pH	8.46	HF	0.100	0.100	SU			12/17/14 11:48	1

TestAmerica Canton

Client Sample Results

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: FD

Date Collected: 12/16/14 14:09

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	37	B	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.041		0.020	0.0019	mg/L			12/17/14 10:50	1
Total Dissolved Solids	590		10	7.4	mg/L			12/19/14 12:09	1
Total Suspended Solids	<1.8		4.0	1.8	mg/L			12/22/14 09:09	1
pH	8.27	HF	0.100	0.100	SU			12/17/14 11:57	1

TestAmerica Canton

QC Sample Results

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

TestAmerica Job ID: 240-45612-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 240-161666/1-A
Matrix: Water
Analysis Batch: 162809

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 161666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	1.11	J	2.0	0.20	ug/L		12/18/14 10:51	12/29/14 16:00	1

Lab Sample ID: LCS 240-161666/3-A
Matrix: Water
Analysis Batch: 162809

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 161666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	1000	1080		ug/L		108	85 - 115

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

Lab Sample ID: MB 240-161411/27
Matrix: Water
Analysis Batch: 161411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0019		0.020	0.0019	mg/L			12/17/14 10:49	1

Lab Sample ID: MB 240-161411/3
Matrix: Water
Analysis Batch: 161411

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	<0.0019		0.020	0.0019	mg/L			12/17/14 08:57	1

Lab Sample ID: LCS 240-161411/28
Matrix: Water
Analysis Batch: 161411

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	0.276		mg/L		110	80 - 118

Lab Sample ID: LCS 240-161411/4
Matrix: Water
Analysis Batch: 161411

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	0.291		mg/L		116	80 - 118

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

Lab Sample ID: MB 240-161875/1
Matrix: Water
Analysis Batch: 161875

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	<7.4		10	7.4	mg/L			12/19/14 12:09	1

TestAmerica Canton

QC Sample Results

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

TestAmerica Job ID: 240-45612-1

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

Lab Sample ID: LCS 240-161875/2

Matrix: Water

Analysis Batch: 161875

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	680	650		mg/L		96	88 - 110

Lab Sample ID: 240-45612-6 DU

Matrix: Water

Analysis Batch: 161875

Client Sample ID: GC05D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	670		642		mg/L		4	20

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

Lab Sample ID: MB 240-162108/1

Matrix: Water

Analysis Batch: 162108

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	<1.8		4.0	1.8	mg/L			12/22/14 09:09	1

Lab Sample ID: LCS 240-162108/2

Matrix: Water

Analysis Batch: 162108

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	77.4	78.0		mg/L		101	73 - 113

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 240-161441/2

Matrix: Water

Analysis Batch: 161441

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	6.47	6.490		SU		100	97 - 103

Lab Sample ID: 240-45612-3 DU

Matrix: Water

Analysis Batch: 161441

Client Sample ID: SC01D

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	11.7	HF	11.59		SU		0.5	20

TestAmerica Canton

QC Association Summary

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

TestAmerica Job ID: 240-45612-1

Metals

Prep Batch: 161666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total Recoverable	Water	200.8	
240-45612-2	SC02D	Total Recoverable	Water	200.8	
240-45612-3	SC01D	Total Recoverable	Water	200.8	
240-45612-4	GC09D	Total Recoverable	Water	200.8	
240-45612-5	GC06D	Total Recoverable	Water	200.8	
240-45612-6	GC05D	Total Recoverable	Water	200.8	
240-45612-7	GC04D	Total Recoverable	Water	200.8	
240-45612-8	DS01	Total Recoverable	Water	200.8	
240-45612-9	FD	Total Recoverable	Water	200.8	
LCS 240-161666/3-A	Lab Control Sample	Total Recoverable	Water	200.8	
MB 240-161666/1-A	Method Blank	Total Recoverable	Water	200.8	

Analysis Batch: 162809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total Recoverable	Water	200.8	161666
240-45612-2	SC02D	Total Recoverable	Water	200.8	161666
240-45612-3	SC01D	Total Recoverable	Water	200.8	161666
240-45612-4	GC09D	Total Recoverable	Water	200.8	161666
240-45612-5	GC06D	Total Recoverable	Water	200.8	161666
240-45612-6	GC05D	Total Recoverable	Water	200.8	161666
240-45612-7	GC04D	Total Recoverable	Water	200.8	161666
240-45612-8	DS01	Total Recoverable	Water	200.8	161666
240-45612-9	FD	Total Recoverable	Water	200.8	161666
LCS 240-161666/3-A	Lab Control Sample	Total Recoverable	Water	200.8	161666
MB 240-161666/1-A	Method Blank	Total Recoverable	Water	200.8	161666

General Chemistry

Analysis Batch: 161411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total/NA	Water	3500-Cr B-2009	
240-45612-2	SC02D	Total/NA	Water	3500-Cr B-2009	
240-45612-3	SC01D	Total/NA	Water	3500-Cr B-2009	
240-45612-4	GC09D	Total/NA	Water	3500-Cr B-2009	
240-45612-5	GC06D	Total/NA	Water	3500-Cr B-2009	
240-45612-6	GC05D	Total/NA	Water	3500-Cr B-2009	
240-45612-7	GC04D	Total/NA	Water	3500-Cr B-2009	
240-45612-8	DS01	Total/NA	Water	3500-Cr B-2009	
240-45612-9	FD	Total/NA	Water	3500-Cr B-2009	
LCS 240-161411/28	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	
LCS 240-161411/4	Lab Control Sample	Total/NA	Water	3500-Cr B-2009	
MB 240-161411/27	Method Blank	Total/NA	Water	3500-Cr B-2009	
MB 240-161411/3	Method Blank	Total/NA	Water	3500-Cr B-2009	

Analysis Batch: 161441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total/NA	Water	SM 4500 H+ B	
240-45612-2	SC02D	Total/NA	Water	SM 4500 H+ B	
240-45612-3	SC01D	Total/NA	Water	SM 4500 H+ B	
240-45612-3 DU	SC01D	Total/NA	Water	SM 4500 H+ B	

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QC Association Summary

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

TestAmerica Job ID: 240-45612-1

General Chemistry (Continued)

Analysis Batch: 161441 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-4	GC09D	Total/NA	Water	SM 4500 H+ B	
240-45612-5	GC06D	Total/NA	Water	SM 4500 H+ B	
240-45612-6	GC05D	Total/NA	Water	SM 4500 H+ B	
240-45612-7	GC04D	Total/NA	Water	SM 4500 H+ B	
240-45612-8	DS01	Total/NA	Water	SM 4500 H+ B	
240-45612-9	FD	Total/NA	Water	SM 4500 H+ B	
LCS 240-161441/2	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Analysis Batch: 161875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total/NA	Water	SM 2540C	
240-45612-2	SC02D	Total/NA	Water	SM 2540C	
240-45612-3	SC01D	Total/NA	Water	SM 2540C	
240-45612-4	GC09D	Total/NA	Water	SM 2540C	
240-45612-5	GC06D	Total/NA	Water	SM 2540C	
240-45612-6	GC05D	Total/NA	Water	SM 2540C	
240-45612-6 DU	GC05D	Total/NA	Water	SM 2540C	
240-45612-7	GC04D	Total/NA	Water	SM 2540C	
240-45612-8	DS01	Total/NA	Water	SM 2540C	
240-45612-9	FD	Total/NA	Water	SM 2540C	
LCS 240-161875/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 240-161875/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 162108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-45612-1	US01	Total/NA	Water	SM 2540D	
240-45612-2	SC02D	Total/NA	Water	SM 2540D	
240-45612-3	SC01D	Total/NA	Water	SM 2540D	
240-45612-4	GC09D	Total/NA	Water	SM 2540D	
240-45612-5	GC06D	Total/NA	Water	SM 2540D	
240-45612-6	GC05D	Total/NA	Water	SM 2540D	
240-45612-7	GC04D	Total/NA	Water	SM 2540D	
240-45612-8	DS01	Total/NA	Water	SM 2540D	
240-45612-9	FD	Total/NA	Water	SM 2540D	
LCS 240-162108/2	Lab Control Sample	Total/NA	Water	SM 2540D	
MB 240-162108/1	Method Blank	Total/NA	Water	SM 2540D	

Lab Chronicle

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: US01

Date Collected: 12/16/14 11:05

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:03	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:50	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:06	SEM	TAL CAN

Client Sample ID: SC02D

Date Collected: 12/16/14 11:25

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:07	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:51	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:41	SEM	TAL CAN

Client Sample ID: SC01D

Date Collected: 12/16/14 11:14

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:11	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:49	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 11:39	SEM	TAL CAN

Client Sample ID: GC09D

Date Collected: 12/16/14 11:52

Date Received: 12/17/14 10:10

Lab Sample ID: 240-45612-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:15	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:52	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN

TestAmerica Canton

Lab Chronicle

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: GC09D

Lab Sample ID: 240-45612-4

Date Collected: 12/16/14 11:52

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:59	SEM	TAL CAN

Client Sample ID: GC06D

Lab Sample ID: 240-45612-5

Date Collected: 12/16/14 12:01

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:19	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:50	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:15	SEM	TAL CAN

Client Sample ID: GC05D

Lab Sample ID: 240-45612-6

Date Collected: 12/16/14 12:18

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:30	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:50	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:23	SEM	TAL CAN

Client Sample ID: GC04D

Lab Sample ID: 240-45612-7

Date Collected: 12/16/14 12:24

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:34	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		2	161411	12/17/14 10:50	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 12:32	SEM	TAL CAN

TestAmerica Canton

Lab Chronicle

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

TestAmerica Job ID: 240-45612-1

Client Sample ID: DS01

Lab Sample ID: 240-45612-8

Date Collected: 12/16/14 12:35

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:38	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:49	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 11:48	SEM	TAL CAN

Client Sample ID: FD

Lab Sample ID: 240-45612-9

Date Collected: 12/16/14 14:09

Matrix: Water

Date Received: 12/17/14 10:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	200.8			161666	12/18/14 10:51	WAL	TAL CAN
Total Recoverable	Analysis	200.8		1	162809	12/29/14 17:42	AMM2	TAL CAN
Total/NA	Analysis	3500-Cr B-2009		1	161411	12/17/14 10:50	LCN	TAL CAN
Total/NA	Analysis	SM 2540C		1	161875	12/19/14 12:09	AS1	TAL CAN
Total/NA	Analysis	SM 2540D		1	162108	12/22/14 09:09	AS1	TAL CAN
Total/NA	Analysis	SM 4500 H+ B		1	161441	12/17/14 11:57	SEM	TAL CAN

Laboratory References:

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

Certification Summary

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

TestAmerica Job ID: 240-45612-1

Laboratory: TestAmerica Canton

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

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14 *
California	State Program	9	2927	04-30-15
Connecticut	State Program	1	PH-0590	12-31-14
Florida	NELAP	4	E87225	06-30-15
Georgia	State Program	4	N/A	06-30-15
Illinois	NELAP	5	200004	07-31-15
Kansas	NELAP	7	E-10336	01-31-15
Kentucky (UST)	State Program	4	58	06-30-15
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-14
Nevada	State Program	9	OH-000482008A	07-31-15
New Jersey	NELAP	2	OH001	06-30-15
New York	NELAP	2	10975	03-31-15
Ohio VAP	State Program	5	CL0024	10-31-15
Pennsylvania	NELAP	3	68-00340	08-31-15
Texas	NELAP	6		08-31-15
USDA	Federal		P330-13-00319	11-26-16
Virginia	NELAP	3	460175	09-14-15
Washington	State Program	10	C971	01-12-15
West Virginia DEP	State Program	3	210	12-31-14
Wisconsin	State Program	5	999518190	08-31-15

* Certification renewal pending - certification considered valid.

TestAmerica Canton

**CHAIN OF CUSTODY
AND
RECEIVING DOCUMENTS**



240-45612 Chain of Custody



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

Chain of Custody Record

TestAmerica

Client Information						Lab PVI: Brooks, Kris M E-Mail: kris.brooks@testamericainc.com					
Sample: SS, HS Phone: 614-486-1700						Carrier Tracking No(s): 7722 6110 4677 Page: 1 of 1 Job #:					
Company: Golder Associates Inc.						Analysis Requested					
Address: 1335 Dublin Road, Suite 126-D City: Columbus State, Zip: OH, 43215 Phone: 614-486-1700 Email: bob.ireson@golder.com Project Name: Industrial SWPPP Site: Satalloy						Due Date Requested: TAT Requested (days): Normal PO #: Purchase Order not required WO #: Project #: Golder 123-9330901.300 SSOW#:					
Sample Identification						Field Filtered Sample (Yes or No)					
Sample ID						Perform MS/MSD (Yes or No)					
Sample Date						Total Suspended Solids (TDS)					
Sample Time						Hexavalent Chromium					
Sample Type (C=Comp, G=grab)						Total Dissolved Solids (TDS)					
Matrix (Wetweight, Solid, On-weight, Off)											
Preservation Code											
US01						Short Hold Time!					
SC02D											
SC01D											
GC09D											
GC06D											
GC05D											
GC04D											
DS01											
FD											
Possible Hazard Identification						Special Instructions/Note:					
Non-Hazardous ☐ Irritant ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological ☐											
Deliverable Requested: I, II, III, IV, Other (specify)											
Empty Kit Relinquished by:						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months					
Relinquished by: Henry Schwachen						Date/Time: 12/16/14 1630					
Relinquished by:						Date/Time: 12/16/14 10:10					
Relinquished by:						Date/Time:					
Custody Seals Intact: A Yes A No						Cooler Temperature(s) °C and Other Remarks:					

TestAmerica Canton Sample Receipt Form/Narrative Login # : 45612

Canton Facility

Client Golden Assoc Site Name _____ Cooler unpacked by: [Signature]

Cooler Received on 12/17/14 Opened on 12/17/14

FedEx: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13

UPS FAS Stetson 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

IR GUN# A	(CF +4.0 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	☐ See Multiple Cooler Form
IR GUN# 4	(CF +1.2 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 5	(CF +0.4 °C)	Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	
IR GUN# 8	(CF +0.7 °C)	Observed Cooler Temp. <u>0.6</u> °C	Corrected Cooler Temp. <u>1.3</u> °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 Yes No

-Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA

-Were custody seals on the bottle(s)? 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. Did all bottles arrive in good condition (Unbroken)? Yes No

7. Could all bottle labels be reconciled with the COC? Yes No

8. Were correct bottle(s) used for the test(s) indicated? Yes No

9. Sufficient quantity received to perform indicated analyses? Yes No

10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# HC425511

11. Were VOAs on the COC? Yes No

12. Were air bubbles >6 mm in any VOA vials? Yes No NA

13. Was a trip blank present in the cooler(s)? Yes No

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

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by: [Signature]

15. 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)

16. 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>
US01	240-45612-A-1	Plastic 250ml - with Nitric Acid	<2	_____	_____
SC02D	240-45612-A-2	Plastic 250ml - with Nitric Acid	<2	_____	_____
SC01D	240-45612-A-3	Plastic 250ml - with Nitric Acid	<2	_____	_____
GC09D	240-45612-A-4	Plastic 250ml - with Nitric Acid	<2	_____	_____
GC06D	240-45612-A-5	Plastic 250ml - with Nitric Acid	<2	_____	_____
GC05D	240-45612-A-6	Plastic 250ml - with Nitric Acid	<2	_____	_____
GC04D	240-45612-A-7	Plastic 250ml - with Nitric Acid	<2	_____	_____
DS01	240-45612-A-8	Plastic 250ml - with Nitric Acid	<2	_____	_____
FD	240-45612-A-9	Plastic 250ml - with Nitric Acid	<2	_____	_____