

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
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University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-123616-1
Client Project/Site: Joliet #29 CCR

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:
2/21/2017 4:27:52 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

MWG13-15_61575

Comp. Ex. 208 G

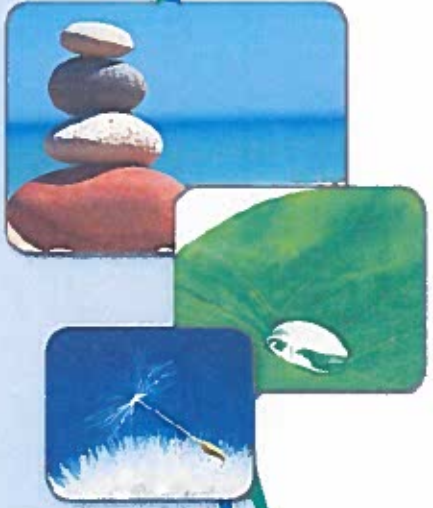




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Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Job ID: 500-123616-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-123616-1

Comments

No additional comments.

Receipt

The samples were received on 2/8/2017 1:58 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.5° C and 1.6° C.

Metals

Method(s) 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-371766. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

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

General Chemistry

Method(s) SM 4500 F C: The initial calibration blank (ICB) for analytical batch 500-371926 contained fluoride greater than the reporting limit (RL). The associated samples were not reanalyzed because the method blank (MB), which initially brackets the samples and is made from the same source as the ICB, was found within control limits. The data have been qualified and reported.

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

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 Cl- E	Chloride, Total	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 SO4 E	Sulfate, Total	SM	TAL CHI

Protocol References:

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

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-123616-1	MW-03	Water	02/06/17 13:14	02/08/17 13:58
500-123616-2	MW-04	Water	02/06/17 11:40	02/08/17 13:58
500-123616-3	MW-05	Water	02/06/17 14:42	02/08/17 13:58
500-123616-4	MW-10	Water	02/06/17 13:27	02/08/17 13:58
500-123616-5	Duplicate	Water	02/06/17 00:00	02/08/17 13:58

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-03

Lab Sample ID: 500-123616-1

Date Collected: 02/06/17 13:14

Matrix: Water

Date Received: 02/08/17 13:58

5
6

Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		02/09/17 08:09	02/10/17 13:38	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:30	1
Arsenic	0.0019		0.0010		mg/L		02/09/17 08:09	02/10/17 14:30	1
Barium	0.093		0.0025		mg/L		02/09/17 08:09	02/10/17 14:30	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:30	1
Boron	0.40		0.050		mg/L		02/09/17 08:09	02/13/17 12:00	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:30	1
Calcium	97		0.20		mg/L		02/09/17 08:09	02/10/17 14:30	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:30	1
Cobalt	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:30	1
Lead	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:30	1
Molybdenum	0.0066		0.0050		mg/L		02/09/17 08:09	02/10/17 14:30	1
Selenium	0.0028		0.0025		mg/L		02/09/17 08:09	02/10/17 14:30	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	720		10		mg/L			02/12/17 19:51	1
Chloride	140		10		mg/L			02/13/17 19:55	5
Fluoride	0.39		0.10		mg/L			02/11/17 13:05	1
Sulfate	77		25		mg/L			02/15/17 05:09	5

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MWG13-15_61580

2/21/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-04

Lab Sample ID: 500-123616-2

Date Collected: 02/06/17 11:40

Matrix: Water

Date Received: 02/08/17 13:58



Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		02/09/17 08:09	02/10/17 13:42	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:34	1
Arsenic	0.0015		0.0010		mg/L		02/09/17 08:09	02/10/17 14:34	1
Barium	0.10		0.0025		mg/L		02/09/17 08:09	02/10/17 14:34	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:34	1
Boron	0.40		0.050		mg/L		02/09/17 08:09	02/13/17 12:04	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:34	1
Calcium	110		0.20		mg/L		02/09/17 08:09	02/10/17 14:34	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:34	1
Cobalt	0.016		0.0010		mg/L		02/09/17 08:09	02/10/17 14:34	1
Lead	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:34	1
Molybdenum	0.0071		0.0050		mg/L		02/09/17 08:09	02/10/17 14:34	1
Selenium	<0.0025		0.0025		mg/L		02/09/17 08:09	02/10/17 14:34	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	790		10		mg/L			02/12/17 19:54	1
Chloride	200		10		mg/L			02/13/17 19:56	5
Fluoride	0.37		0.10		mg/L			02/11/17 13:13	1
Sulfate	98		20		mg/L			02/15/17 05:12	4

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-05

Date Collected: 02/06/17 14:42

Date Received: 02/08/17 13:58

Lab Sample ID: 500-123616-3

Matrix: Water

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Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021		0.010		mg/L		02/09/17 08:09	02/10/17 13:45	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:37	1
Arsenic	0.0016		0.0010		mg/L		02/09/17 08:09	02/10/17 14:37	1
Barium	0.082		0.0025		mg/L		02/09/17 08:09	02/10/17 14:37	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:37	1
Boron	0.48		0.050		mg/L		02/09/17 08:09	02/13/17 12:07	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:37	1
Calcium	150		0.20		mg/L		02/09/17 08:09	02/10/17 14:37	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:37	1
Cobalt	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:37	1
Lead	0.0016		0.00050		mg/L		02/09/17 08:09	02/10/17 14:37	1
Molybdenum	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:37	1
Selenium	0.0029		0.0025		mg/L		02/09/17 08:09	02/10/17 14:37	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 09:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	790		10		mg/L			02/12/17 19:57	1
Chloride	180		10		mg/L			02/13/17 19:56	5
Fluoride	0.30		0.10		mg/L			02/11/17 13:16	1
Sulfate	120		50		mg/L			02/15/17 05:13	10

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MWG13-15_61582
2/21/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-10

Date Collected: 02/06/17 13:27

Date Received: 02/08/17 13:58

Lab Sample ID: 500-123616-4

Matrix: Water



Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		02/09/17 08:09	02/10/17 13:49	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:41	1
Arsenic	0.0011		0.0010		mg/L		02/09/17 08:09	02/10/17 14:41	1
Barium	0.048		0.0025		mg/L		02/09/17 08:09	02/10/17 14:41	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:41	1
Boron	0.44		0.050		mg/L		02/09/17 08:09	02/13/17 12:11	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:41	1
Calcium	120		0.20		mg/L		02/09/17 08:09	02/10/17 14:41	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:41	1
Cobalt	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:41	1
Lead	0.00086		0.00050		mg/L		02/09/17 08:09	02/10/17 14:41	1
Molybdenum	0.0056		0.0050		mg/L		02/09/17 08:09	02/10/17 14:41	1
Selenium	<0.0025		0.0025		mg/L		02/09/17 08:09	02/10/17 14:41	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	820		10		mg/L			02/12/17 19:59	1
Chloride	190		10		mg/L			02/13/17 20:35	5
Fluoride	0.36		0.10		mg/L			02/11/17 13:18	1
Sulfate	88		25		mg/L			02/15/17 05:14	5

TestAmerica Chicago

MWG13-15_61583
2/21/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: Duplicate

Lab Sample ID: 500-123616-5

Date Collected: 02/06/17 00:00

Matrix: Water

Date Received: 02/08/17 13:58

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Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		02/09/17 08:09	02/10/17 13:52	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:45	1
Arsenic	0.0017		0.0010		mg/L		02/09/17 08:09	02/10/17 14:45	1
Barium	0.10		0.0025		mg/L		02/09/17 08:09	02/10/17 14:45	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:45	1
Boron	0.41		0.050		mg/L		02/09/17 08:09	02/13/17 12:22	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:45	1
Calcium	110		0.20		mg/L		02/09/17 08:09	02/10/17 14:45	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:45	1
Cobalt	0.015		0.0010		mg/L		02/09/17 08:09	02/10/17 14:45	1
Lead	0.00052		0.00050		mg/L		02/09/17 08:09	02/10/17 14:45	1
Molybdenum	0.0072		0.0050		mg/L		02/09/17 08:09	02/10/17 14:45	1
Selenium	<0.0025		0.0025		mg/L		02/09/17 08:09	02/10/17 14:45	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:45	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 09:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	820		10		mg/L			02/12/17 20:02	1
Chloride	190		10		mg/L			02/13/17 19:57	5
Fluoride	0.38		0.10		mg/L			02/11/17 13:21	1
Sulfate	76		25		mg/L			02/15/17 05:15	5

TestAmerica Chicago

MWG13-15_61584
2/21/2017

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

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
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)

TestAmerica Chicago

MWG13-15_61585
2/21/2017

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Metals

Prep Batch: 371377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total Recoverable	Water	3005A	
500-123616-2	MW-04	Total Recoverable	Water	3005A	
500-123616-3	MW-05	Total Recoverable	Water	3005A	
500-123616-4	MW-10	Total Recoverable	Water	3005A	
500-123616-5	Duplicate	Total Recoverable	Water	3005A	
MB 500-371377/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-371377/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-123616-5 MS	Duplicate	Total Recoverable	Water	3005A	
500-123616-5 MSD	Duplicate	Total Recoverable	Water	3005A	
500-123616-5 DU	Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 371413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	7470A	
500-123616-2	MW-04	Total/NA	Water	7470A	
500-123616-3	MW-05	Total/NA	Water	7470A	
500-123616-4	MW-10	Total/NA	Water	7470A	
500-123616-5	Duplicate	Total/NA	Water	7470A	
MB 500-371413/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-371413/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 371614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	7470A	371413
500-123616-2	MW-04	Total/NA	Water	7470A	371413
500-123616-3	MW-05	Total/NA	Water	7470A	371413
500-123616-4	MW-10	Total/NA	Water	7470A	371413
500-123616-5	Duplicate	Total/NA	Water	7470A	371413
MB 500-371413/12-A	Method Blank	Total/NA	Water	7470A	371413
LCS 500-371413/13-A	Lab Control Sample	Total/NA	Water	7470A	371413

Analysis Batch: 371628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total Recoverable	Water	6010C	371377
500-123616-2	MW-04	Total Recoverable	Water	6010C	371377
500-123616-3	MW-05	Total Recoverable	Water	6010C	371377
500-123616-4	MW-10	Total Recoverable	Water	6010C	371377
500-123616-5	Duplicate	Total Recoverable	Water	6010C	371377
MB 500-371377/1-A	Method Blank	Total Recoverable	Water	6010C	371377
LCS 500-371377/2-A	Lab Control Sample	Total Recoverable	Water	6010C	371377
500-123616-5 MS	Duplicate	Total Recoverable	Water	6010C	371377
500-123616-5 MSD	Duplicate	Total Recoverable	Water	6010C	371377
500-123616-5 DU	Duplicate	Total Recoverable	Water	6010C	371377

Analysis Batch: 371766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total Recoverable	Water	6020A	371377
500-123616-2	MW-04	Total Recoverable	Water	6020A	371377
500-123616-3	MW-05	Total Recoverable	Water	6020A	371377
500-123616-4	MW-10	Total Recoverable	Water	6020A	371377
500-123616-5	Duplicate	Total Recoverable	Water	6020A	371377

TestAmerica Chicago



QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Metals (Continued)

Analysis Batch: 371766 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-371377/1-A	Method Blank	Total Recoverable	Water	6020A	371377
LCS 500-371377/2-A	Lab Control Sample	Total Recoverable	Water	6020A	371377
500-123616-5 MS	Duplicate	Total Recoverable	Water	6020A	371377
500-123616-5 MSD	Duplicate	Total Recoverable	Water	6020A	371377
500-123616-5 DU	Duplicate	Total Recoverable	Water	6020A	371377

Analysis Batch: 371815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total Recoverable	Water	6020A	371377
500-123616-2	MW-04	Total Recoverable	Water	6020A	371377
500-123616-3	MW-05	Total Recoverable	Water	6020A	371377
500-123616-4	MW-10	Total Recoverable	Water	6020A	371377
500-123616-5	Duplicate	Total Recoverable	Water	6020A	371377
MB 500-371377/1-A	Method Blank	Total Recoverable	Water	6020A	371377
LCS 500-371377/2-A	Lab Control Sample	Total Recoverable	Water	6020A	371377
500-123616-5 MS	Duplicate	Total Recoverable	Water	6020A	371377
500-123616-5 MSD	Duplicate	Total Recoverable	Water	6020A	371377
500-123616-5 DU	Duplicate	Total Recoverable	Water	6020A	371377

General Chemistry

Analysis Batch: 371721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	SM 2540C	
500-123616-2	MW-04	Total/NA	Water	SM 2540C	
500-123616-3	MW-05	Total/NA	Water	SM 2540C	
500-123616-4	MW-10	Total/NA	Water	SM 2540C	
500-123616-5	Duplicate	Total/NA	Water	SM 2540C	
MB 500-371721/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-371721/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 371865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	SM 4500 CI- E	
500-123616-2	MW-04	Total/NA	Water	SM 4500 CI- E	
500-123616-3	MW-05	Total/NA	Water	SM 4500 CI- E	
500-123616-4	MW-10	Total/NA	Water	SM 4500 CI- E	
500-123616-5	Duplicate	Total/NA	Water	SM 4500 CI- E	
MB 500-371865/12	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-371865/13	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 371926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	SM 4500 F C	
500-123616-2	MW-04	Total/NA	Water	SM 4500 F C	
500-123616-3	MW-05	Total/NA	Water	SM 4500 F C	
500-123616-4	MW-10	Total/NA	Water	SM 4500 F C	
500-123616-5	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-371926/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-371926/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

General Chemistry (Continued)

Analysis Batch: 371926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-5 MS	Duplicate	Total/NA	Water	SM 4500 F C	
500-123616-5 MSD	Duplicate	Total/NA	Water	SM 4500 F C	

Analysis Batch: 372297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123616-1	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-123616-2	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-123616-3	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-123616-4	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-123616-5	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-372297/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-372297/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-123616-1 MS	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-123616-1 MSD	MW-03	Total/NA	Water	SM 4500 SO4 E	

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TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-371377/1-A
Matrix: Water
Analysis Batch: 371628

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		02/09/17 08:09	02/10/17 13:25	1

Lab Sample ID: LCS 500-371377/2-A
Matrix: Water
Analysis Batch: 371628

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.531		mg/L		106	80 - 120

Lab Sample ID: 500-123616-5 MS
Matrix: Water
Analysis Batch: 371628

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	0.014		0.500	0.556		mg/L		108	75 - 125

Lab Sample ID: 500-123616-5 MSD
Matrix: Water
Analysis Batch: 371628

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	0.014		0.500	0.554		mg/L		108	75 - 125	0	20

Lab Sample ID: 500-123616-5 DU
Matrix: Water
Analysis Batch: 371628

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lithium	0.014		0.0143		mg/L		5	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-371377/1-A
Matrix: Water
Analysis Batch: 371766

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/09/17 08:09	02/10/17 14:15	1
Arsenic	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:15	1
Barium	<0.0025		0.0025		mg/L		02/09/17 08:09	02/10/17 14:15	1
Beryllium	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:15	1
Cadmium	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:15	1
Calcium	<0.20		0.20		mg/L		02/09/17 08:09	02/10/17 14:15	1
Chromium	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:15	1
Cobalt	<0.0010		0.0010		mg/L		02/09/17 08:09	02/10/17 14:15	1
Lead	<0.00050		0.00050		mg/L		02/09/17 08:09	02/10/17 14:15	1
Molybdenum	<0.0050		0.0050		mg/L		02/09/17 08:09	02/10/17 14:15	1
Selenium	<0.0025		0.0025		mg/L		02/09/17 08:09	02/10/17 14:15	1
Thallium	<0.0020		0.0020		mg/L		02/09/17 08:09	02/10/17 14:15	1

TestAmerica Chicago

MWG13-15_61589
2/21/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Lab Sample ID: MB 500-371377/1-A
Matrix: Water
Analysis Batch: 371815

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		02/09/17 08:09	02/13/17 11:52	1

Lab Sample ID: LCS 500-371377/2-A
Matrix: Water
Analysis Batch: 371766

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Antimony	0.500	0.507		mg/L		101	80 - 120	
Arsenic	0.100	0.0987		mg/L		99	80 - 120	
Barium	2.00	2.06		mg/L		103	80 - 120	
Beryllium	0.0500	0.0500		mg/L		100	80 - 120	
Cadmium	0.0500	0.0524		mg/L		105	80 - 120	
Calcium	10.0	9.05		mg/L		90	80 - 120	
Chromium	0.200	0.209		mg/L		104	80 - 120	
Cobalt	0.500	0.523		mg/L		105	80 - 120	
Lead	0.100	0.104		mg/L		104	80 - 120	
Molybdenum	1.00	0.965		mg/L		97	80 - 120	
Selenium	0.100	0.100		mg/L		100	80 - 120	
Thallium	0.100	0.106		mg/L		106	80 - 120	

Lab Sample ID: LCS 500-371377/2-A
Matrix: Water
Analysis Batch: 371815

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Boron	1.00	0.971		mg/L		97	80 - 120	

Lab Sample ID: 500-123616-5 MS
Matrix: Water
Analysis Batch: 371766

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Antimony	<0.0030		0.500	0.511		mg/L		102	75 - 125	
Arsenic	0.0017		0.100	0.103		mg/L		101	75 - 125	
Barium	0.10		2.00	2.09		mg/L		99	75 - 125	
Beryllium	<0.0010		0.0500	0.0437		mg/L		87	75 - 125	
Cadmium	<0.00050		0.0500	0.0502		mg/L		100	75 - 125	
Calcium	110		10.0	115	4	mg/L		35	75 - 125	
Chromium	<0.0050		0.200	0.198		mg/L		98	75 - 125	
Cobalt	0.015		0.500	0.489		mg/L		95	75 - 125	
Lead	0.00052		0.100	0.0981		mg/L		98	75 - 125	
Molybdenum	0.0072		1.00	0.987		mg/L		98	75 - 125	
Selenium	<0.0025		0.100	0.102		mg/L		101	75 - 125	
Thallium	<0.0020		0.100	0.0991		mg/L		99	75 - 125	

Lab Sample ID: 500-123616-5 MS
Matrix: Water
Analysis Batch: 371815

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Boron	0.41		1.00	1.35		mg/L		94	75 - 125	

TestAmerica Chicago

MWG13-15_61590
2/21/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: 500-123616-5 MSD
Matrix: Water
Analysis Batch: 371766

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	
				Result	Qualifier					RPD	Limit
Antimony	<0.0030		0.500	0.512		mg/L		102	75 - 125	0	20
Arsenic	0.0017		0.100	0.103		mg/L		101	75 - 125	0	20
Barium	0.10		2.00	2.11		mg/L		100	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0474		mg/L		95	75 - 125	8	20
Cadmium	<0.00050		0.0500	0.0501		mg/L		100	75 - 125	0	20
Calcium	110		10.0	110.4		mg/L		-12	75 - 125	4	20
Chromium	<0.0050		0.200	0.195		mg/L		96	75 - 125	2	20
Cobalt	0.015		0.500	0.478		mg/L		93	75 - 125	2	20
Lead	0.00052		0.100	0.0988		mg/L		98	75 - 125	1	20
Molybdenum	0.0072		1.00	0.992		mg/L		98	75 - 125	0	20
Selenium	<0.0025		0.100	0.102		mg/L		101	75 - 125	0	20
Thallium	<0.0020		0.100	0.0996		mg/L		100	75 - 125	1	20

Lab Sample ID: 500-123616-5 MSD
Matrix: Water
Analysis Batch: 371815

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	
				Result	Qualifier					RPD	Limit
Boron	0.41		1.00	1.36		mg/L		95	75 - 125	1	20

Lab Sample ID: 500-123616-5 DU
Matrix: Water
Analysis Batch: 371766

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0017		0.00170		mg/L		2	20
Barium	0.10		0.105		mg/L		0.4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	110		112		mg/L		0.5	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	0.015		0.0155		mg/L		1	20
Lead	0.00052		0.000548		mg/L		5	20
Molybdenum	0.0072		0.00732		mg/L		1	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Lab Sample ID: 500-123616-5 DU
Matrix: Water
Analysis Batch: 371815

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 371377

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Boron	0.41		0.416		mg/L		1	20

TestAmerica Chicago

MWG13-15_61591
2/21/2017



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-371413/12-A
Matrix: Water
Analysis Batch: 371614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 371413

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/09/17 13:45	02/10/17 08:43	1

Lab Sample ID: LCS 500-371413/13-A
Matrix: Water
Analysis Batch: 371614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 371413

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00220		mg/L		110	80 - 120

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

Lab Sample ID: MB 500-371721/1
Matrix: Water
Analysis Batch: 371721

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	<10		10		mg/L			02/12/17 19:24	1

Lab Sample ID: LCS 500-371721/2
Matrix: Water
Analysis Batch: 371721

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	250	296		mg/L		118	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-371865/12
Matrix: Water
Analysis Batch: 371865

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/13/17 19:01	1

Lab Sample ID: LCS 500-371865/13
Matrix: Water
Analysis Batch: 371865

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.1		mg/L		100	80 - 120

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-371926/31
Matrix: Water
Analysis Batch: 371926

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/11/17 12:52	1

Lab Sample ID: LCS 500-371926/32
Matrix: Water
Analysis Batch: 371926

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: 500-123616-5 MS
Matrix: Water
Analysis Batch: 371926

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.38		5.00	5.50		mg/L		102	75 - 125

Lab Sample ID: 500-123616-5 MSD
Matrix: Water
Analysis Batch: 371926

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Fluoride	0.38		5.00	5.65		mg/L		105	75 - 125	3	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-372297/3
Matrix: Water
Analysis Batch: 372297

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			02/15/17 05:07	1

Lab Sample ID: LCS 500-372297/4
Matrix: Water
Analysis Batch: 372297

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	18.5		mg/L		93	80 - 120

Lab Sample ID: 500-123616-1 MS
Matrix: Water
Analysis Batch: 372297

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	77		200	269		mg/L		96	75 - 125

TestAmerica Chicago



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Method: SM 4500 SO4 E - Sulfate, Total (Continued)

Lab Sample ID: 500-123616-1 MSD
Matrix: Water
Analysis Batch: 372297

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	77		200	278		mg/L		100	75 - 125	3	20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Chicago

2417 Bond St.
University Park, IL 60484
708-534-5200
Fax: 708-534-5211

Report To:

Contact: Richard Gal
Company: KPRG and Associates, Inc.
Address: 14865 W. Lisbon Rd., Suite 2D
Brookfield, WI 53005
Phone: 262-781-0475
Email: richardg@kprginc.com

Bill To:

Contact: _____
Company: _____
Address: _____
Phone: _____
Email: _____
PO #: _____

Lab Lot # 500-123616

Package Sealed Yes No
Samples Sealed Yes No
Received on Ice Yes No
Samples Intact Yes No
Temperature °C of Cooler 16.05

With/No Hold Time Yes No
Palletry Indicated Yes No
pH Check OK Yes No
Res Cl₂ Check OK Yes No
Sample Labels and COC Agree Yes No
COC not present Yes No

Additional Analyses / Remarks



500-123616 COC

Sample Name:	COMPANY:	# / Cont	Volume	Matrix	# of Cont	903.0, 904.0 Radium 226/228	6010C, 6020A, 7470A - Total Metals	2540C -TDS	4500_F_C - Fluoride	SM4500_Cl_E Chloride	SM4500_SO4_E - Sulfate
Project Name: Ian John Howison	KPRG & Associates Inc.			Preserv.							
Project Number: Quarterly-JOLIET #29 CCR	TestAmerica Project Number: 50011568										
Project Location: Joliet, IL	TAT										
Lab PM: Eric Lang	eric.lang@testamerica.com										
Laboratory ID	Client Sample ID	Sampling Date	Sampling Time								
M5-MSD											
1	MW-03	2-6-17	13:14	W	5	X	X	X	X	X	X
2	MW-04	2-6-17	11:40	W	5	X	X	X	X	X	X
3	MW-05	2-6-17	14:42	W	5	X	X	X	X	X	X
4	MW-10	2-7-17	13:24	W	5	X	X	X	X	X	X
5	Duplicate	2-6-17		W	5	X	X	X	X	X	X

RELINQUISHED BY: [Signature] DATE: 2-8-17 TIME: 13:58
 COMPANY: KPRG

RECEIVED BY: [Signature] DATE: 2/8/17 TIME: 13:58
 COMPANY: KPRG

Matrix Key: WW = Wastewater, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air

SE = Sediment, SO = Solid, OL = Drum Liquid, DS = Drum Solid, L = Leachate, W = Wipe, O =

Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Wadsworth Glass, 6. Other

Preservative Key: 1. HCl, Cool to 4°, 2. H₂SO₄, Cool to 4°, 3. HNO₃, Cool to 4°, 4. NaOH, Cool to 4°, 5. NaOH/Zn, Cool to 4°, 6. Cool to 4°, 7. None

COMMENTS: _____

Date Received: 02/08/17
 Courier: _____
 Hand Delivered:
 Bill of Lading: _____

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-123616-1

Login Number: 123616

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is \neq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.6,0.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-03

Lab Sample ID: 500-123616-1

Date Collected: 02/06/17 13:14

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	371628	02/10/17 13:38	KML	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371766	02/10/17 14:30	FXG	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371815	02/13/17 12:00	FXG	TAL CHI
Total/NA	Prep	7470A			371413	02/09/17 13:45	MJD	TAL CHI
Total/NA	Analysis	7470A		1	371614	02/10/17 09:19	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	371721	02/12/17 19:51	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	371865	02/13/17 19:55	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	371926	02/11/17 13:05	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	372297		CLB	TAL CHI
						(Start) 02/15/17 05:09		
						(End) 02/15/17 05:10		

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Client Sample ID: MW-04

Lab Sample ID: 500-123616-2

Date Collected: 02/06/17 11:40

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	371628	02/10/17 13:42	KML	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371766	02/10/17 14:34	FXG	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371815	02/13/17 12:04	FXG	TAL CHI
Total/NA	Prep	7470A			371413	02/09/17 13:45	MJD	TAL CHI
Total/NA	Analysis	7470A		1	371614	02/10/17 09:20	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	371721	02/12/17 19:54	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	371865	02/13/17 19:56	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	371926	02/11/17 13:13	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		4	372297		CLB	TAL CHI
						(Start) 02/15/17 05:12		
						(End) 02/15/17 05:13		

Client Sample ID: MW-05

Lab Sample ID: 500-123616-3

Date Collected: 02/06/17 14:42

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	371628	02/10/17 13:45	KML	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI

TestAmerica Chicago

MWG13-15_61597
2/21/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: MW-05

Lab Sample ID: 500-123616-3

Date Collected: 02/06/17 14:42

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	371766	02/10/17 14:37	FXG	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371815	02/13/17 12:07	FXG	TAL CHI
Total/NA	Prep	7470A			371413	02/09/17 13:45	MJD	TAL CHI
Total/NA	Analysis	7470A		1	371614	02/10/17 09:22	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	371721	02/12/17 19:57	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	371865	02/13/17 19:56	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	371926	02/11/17 13:16	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	372297		CLB	TAL CHI
						(Start) 02/15/17 05:13		
						(End) 02/15/17 05:14		

Client Sample ID: MW-10

Lab Sample ID: 500-123616-4

Date Collected: 02/06/17 13:27

Matrix: Water

Date Received: 02/08/17 13:58

12

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	371628	02/10/17 13:49	KML	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371766	02/10/17 14:41	FXG	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371815	02/13/17 12:11	FXG	TAL CHI
Total/NA	Prep	7470A			371413	02/09/17 13:45	MJD	TAL CHI
Total/NA	Analysis	7470A		1	371614	02/10/17 09:23	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	371721	02/12/17 19:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	371865	02/13/17 20:35	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	371926	02/11/17 13:18	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	372297		CLB	TAL CHI
						(Start) 02/15/17 05:14		
						(End) 02/15/17 05:15		

Client Sample ID: Duplicate

Lab Sample ID: 500-123616-5

Date Collected: 02/06/17 00:00

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	371628	02/10/17 13:52	KML	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371766	02/10/17 14:45	FXG	TAL CHI
Total Recoverable	Prep	3005A			371377	02/09/17 08:09	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	371815	02/13/17 12:22	FXG	TAL CHI

TestAmerica Chicago

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-123616-1

Client Sample ID: Duplicate

Lab Sample ID: 500-123616-5

Date Collected: 02/06/17 00:00

Matrix: Water

Date Received: 02/08/17 13:58

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			371413	02/09/17 13:45	MJD	TAL CHI
Total/NA	Analysis	7470A		1	371614	02/10/17 09:24	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	371721	02/12/17 20:02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	371865	02/13/17 19:57	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	371926	02/11/17 13:21	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	372297		CLB	TAL CHI
					(Start)	02/15/17 05:15		
					(End)	02/15/17 05:16		

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

