

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-116524-1
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:
9/22/2016 3:46:32 PM

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

COMP. EX. 20567

MWG13-15_58807

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Case Narrative

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

TestAmerica Job ID: 500-116524-1

Job ID: 500-116524-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-116524-1

Comments

No additional comments.

Receipt

The samples were received on 9/1/2016 4:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.3° C and 5.8° C.

Metals

Method(s) 6020A: The initial calibration verification low level (ICVL) result for batch 500-350471 was above the upper control limit for Beryllium. The samples were bracketed by CCVL that were within control limits therefore, the data have been reported.

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

General Chemistry

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

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Method Summary

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

TestAmerica Job ID: 500-116524-1

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: 500-116524-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-116524-1	MW-03	Water	08/31/16 16:16	09/01/16 16:20
500-116524-2	MW-04	Water	08/31/16 14:48	09/01/16 16:20
500-116524-3	MW-05	Water	08/31/16 11:11	09/01/16 16:20
500-116524-4	MW-10	Water	08/31/16 12:55	09/01/16 16:20
500-116524-5	Dup	Water	08/31/16 00:00	09/01/16 16:20

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Client Sample Results

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: MW-03

Date Collected: 08/31/16 16:16

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		09/02/16 08:08	09/03/16 08:56	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		09/02/16 08:08	09/02/16 15:37	1
Arsenic	0.0013		0.0010		mg/L		09/02/16 08:08	09/02/16 15:37	1
Barium	0.095		0.0025		mg/L		09/02/16 08:08	09/02/16 15:37	1
Beryllium	<0.0010	^	0.0010		mg/L		09/02/16 08:08	09/02/16 15:37	1
Boron	0.49		0.050		mg/L		09/02/16 08:08	09/06/16 11:19	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:37	1
Calcium	100		0.20		mg/L		09/02/16 08:08	09/02/16 15:37	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:37	1
Cobalt	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:37	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:37	1
Molybdenum	0.0086		0.0050		mg/L		09/02/16 08:08	09/02/16 15:37	1
Selenium	0.0051		0.0025		mg/L		09/02/16 08:08	09/02/16 15:37	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 15:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	920		10		mg/L			09/02/16 05:34	1
Chloride	250		10		mg/L			09/11/16 22:46	5
Fluoride	0.45		0.10		mg/L			09/08/16 12:10	1
Sulfate	120		25		mg/L			09/21/16 08:48	5

Client Sample Results

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: MW-04

Date Collected: 08/31/16 14:48

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.011		0.010		mg/L		09/02/16 08:08	09/03/16 09:00	1

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

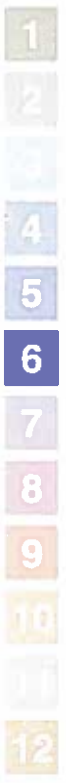
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/16 08:08	09/02/16 15:40	1
Arsenic	0.0014		0.0010		mg/L		09/02/16 08:08	09/02/16 15:40	1
Barium	0.086		0.0025		mg/L		09/02/16 08:08	09/02/16 15:40	1
Beryllium	<0.0010	^	0.0010		mg/L		09/02/16 08:08	09/02/16 15:40	1
Boron	0.42		0.050		mg/L		09/02/16 08:08	09/06/16 11:22	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:40	1
Calcium	100		0.20		mg/L		09/02/16 08:08	09/02/16 15:40	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:40	1
Cobalt	0.0035		0.0010		mg/L		09/02/16 08:08	09/02/16 15:40	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:40	1
Molybdenum	0.0083		0.0050		mg/L		09/02/16 08:08	09/02/16 15:40	1
Selenium	<0.0025		0.0025		mg/L		09/02/16 08:08	09/02/16 15:40	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 15:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	890		10		mg/L			09/02/16 05:42	1
Chloride	210		10		mg/L			09/11/16 22:46	5
Fluoride	0.45		0.10		mg/L			09/08/16 12:13	1
Sulfate	120		25		mg/L			09/21/16 08:52	5



Client Sample Results

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: MW-05

Date Collected: 08/31/16 11:11

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/02/16 08:08	09/03/16 09:05	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		09/02/16 08:08	09/02/16 15:44	1
Arsenic	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:44	1
Barium	0.070		0.0025		mg/L		09/02/16 08:08	09/02/16 15:44	1
Beryllium	<0.0010	^	0.0010		mg/L		09/02/16 08:08	09/02/16 15:44	1
Boron	1.0		0.050		mg/L		09/02/16 08:08	09/06/16 11:26	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:44	1
Calcium	140		0.20		mg/L		09/02/16 08:08	09/02/16 15:44	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:44	1
Cobalt	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:44	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:44	1
Molybdenum	0.012		0.0050		mg/L		09/02/16 08:08	09/02/16 15:44	1
Selenium	0.020		0.0025		mg/L		09/02/16 08:08	09/02/16 15:44	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 15:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 11:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	820		10		mg/L			09/02/16 05:45	1
Chloride	99		10		mg/L			09/11/16 22:48	5
Fluoride	0.56		0.10		mg/L			09/08/16 12:24	1
Sulfate	260		50		mg/L			09/21/16 08:55	10



Client Sample Results

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: MW-10

Date Collected: 08/31/16 12:55

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.010		0.010		mg/L		09/02/16 08:08	09/03/16 09:09	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		09/02/16 08:08	09/02/16 15:48	1
Arsenic	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:48	1
Barium	0.039		0.0025		mg/L		09/02/16 08:08	09/02/16 15:48	1
Beryllium	<0.0010	^	0.0010		mg/L		09/02/16 08:08	09/02/16 15:48	1
Boron	0.36		0.050		mg/L		09/02/16 08:08	09/06/16 11:30	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:48	1
Calcium	89		0.20		mg/L		09/02/16 08:08	09/02/16 15:48	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:48	1
Cobalt	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:48	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:48	1
Molybdenum	0.0077		0.0050		mg/L		09/02/16 08:08	09/02/16 15:48	1
Selenium	<0.0025		0.0025		mg/L		09/02/16 08:08	09/02/16 15:48	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 15:48	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 11:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	760		10		mg/L			09/02/16 05:49	1
Chloride	170		10		mg/L			09/11/16 22:49	5
Fluoride	0.46		0.10		mg/L			09/08/16 12:31	1
Sulfate	100		20		mg/L			09/21/16 08:57	4



Client Sample Results

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: Dup
Date Collected: 08/31/16 00:00
Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.010		0.010		mg/L		09/02/16 08:08	09/03/16 09:30	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		09/02/16 08:08	09/02/16 16:15	1
Arsenic	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 16:15	1
Barium	0.038		0.0025		mg/L		09/02/16 08:08	09/02/16 16:15	1
Beryllium	<0.0010	^	0.0010		mg/L		09/02/16 08:08	09/02/16 16:15	1
Boron	0.35		0.050		mg/L		09/02/16 08:08	09/09/16 11:32	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 16:15	1
Calcium	92		0.20		mg/L		09/02/16 08:08	09/02/16 16:15	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 16:15	1
Cobalt	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 16:15	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 16:15	1
Molybdenum	0.0080		0.0050		mg/L		09/02/16 08:08	09/02/16 16:15	1
Selenium	<0.0025		0.0025		mg/L		09/02/16 08:08	09/02/16 16:15	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 16:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	730		10		mg/L			09/02/16 05:53	1
Chloride	170		10		mg/L			09/11/16 22:49	5
Fluoride	0.45		0.10		mg/L			09/08/16 12:33	1
Sulfate	77		25		mg/L			09/21/16 08:58	5



Definitions/Glossary

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

TestAmerica Job ID: 500-116524-1



Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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.

General Chemistry

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)

QC Association Summary

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

TestAmerica Job ID: 500-116524-1



Metals

Prep Batch: 350356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total Recoverable	Water	3005A	
500-116524-2	MW-04	Total Recoverable	Water	3005A	
500-116524-3	MW-05	Total Recoverable	Water	3005A	
500-116524-4	MW-10	Total Recoverable	Water	3005A	
500-116524-5	Dup	Total Recoverable	Water	3005A	
MB 500-350356/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-350356/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-116524-4 MS	MW-10	Total Recoverable	Water	3005A	
500-116524-4 MSD	MW-10	Total Recoverable	Water	3005A	
500-116524-4 DU	MW-10	Total Recoverable	Water	3005A	

Prep Batch: 350445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	7470A	
500-116524-2	MW-04	Total/NA	Water	7470A	
500-116524-3	MW-05	Total/NA	Water	7470A	
500-116524-4	MW-10	Total/NA	Water	7470A	
500-116524-5	Dup	Total/NA	Water	7470A	
MB 500-350445/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-350445/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 350471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total Recoverable	Water	6020A	350356
500-116524-2	MW-04	Total Recoverable	Water	6020A	350356
500-116524-3	MW-05	Total Recoverable	Water	6020A	350356
500-116524-4	MW-10	Total Recoverable	Water	6020A	350356
500-116524-5	Dup	Total Recoverable	Water	6020A	350356
MB 500-350356/1-A	Method Blank	Total Recoverable	Water	6020A	350356
LCS 500-350356/2-A	Lab Control Sample	Total Recoverable	Water	6020A	350356
500-116524-4 MS	MW-10	Total Recoverable	Water	6020A	350356
500-116524-4 MSD	MW-10	Total Recoverable	Water	6020A	350356
500-116524-4 DU	MW-10	Total Recoverable	Water	6020A	350356

Analysis Batch: 350507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total Recoverable	Water	6010C	350356
500-116524-2	MW-04	Total Recoverable	Water	6010C	350356
500-116524-3	MW-05	Total Recoverable	Water	6010C	350356
500-116524-4	MW-10	Total Recoverable	Water	6010C	350356
500-116524-5	Dup	Total Recoverable	Water	6010C	350356
MB 500-350356/1-A	Method Blank	Total Recoverable	Water	6010C	350356
LCS 500-350356/2-A	Lab Control Sample	Total Recoverable	Water	6010C	350356
500-116524-4 MS	MW-10	Total Recoverable	Water	6010C	350356
500-116524-4 MSD	MW-10	Total Recoverable	Water	6010C	350356
500-116524-4 DU	MW-10	Total Recoverable	Water	6010C	350356

Analysis Batch: 350678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	7470A	350445
500-116524-2	MW-04	Total/NA	Water	7470A	350445

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-116524-1

Metals (Continued)

Analysis Batch: 350678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-3	MW-05	Total/NA	Water	7470A	350445
500-116524-4	MW-10	Total/NA	Water	7470A	350445
500-116524-5	Dup	Total/NA	Water	7470A	350445
MB 500-350445/12-A	Method Blank	Total/NA	Water	7470A	350445
LCS 500-350445/13-A	Lab Control Sample	Total/NA	Water	7470A	350445

Analysis Batch: 350692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total Recoverable	Water	6020A	350356
500-116524-2	MW-04	Total Recoverable	Water	6020A	350356
500-116524-3	MW-05	Total Recoverable	Water	6020A	350356
500-116524-4	MW-10	Total Recoverable	Water	6020A	350356
MB 500-350356/1-A	Method Blank	Total Recoverable	Water	6020A	350356
LCS 500-350356/2-A	Lab Control Sample	Total Recoverable	Water	6020A	350356
500-116524-4 MS	MW-10	Total Recoverable	Water	6020A	350356
500-116524-4 MSD	MW-10	Total Recoverable	Water	6020A	350356
500-116524-4 DU	MW-10	Total Recoverable	Water	6020A	350356

Analysis Batch: 351110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-5	Dup	Total Recoverable	Water	6020A	350356

General Chemistry

Analysis Batch: 350341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	SM 2540C	
500-116524-2	MW-04	Total/NA	Water	SM 2540C	
500-116524-3	MW-05	Total/NA	Water	SM 2540C	
500-116524-4	MW-10	Total/NA	Water	SM 2540C	
500-116524-5	Dup	Total/NA	Water	SM 2540C	
MB 500-350341/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-350341/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-116524-1 DU	MW-03	Total/NA	Water	SM 2540C	

Analysis Batch: 350973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	SM 4500 F C	
500-116524-2	MW-04	Total/NA	Water	SM 4500 F C	
500-116524-3	MW-05	Total/NA	Water	SM 4500 F C	
500-116524-4	MW-10	Total/NA	Water	SM 4500 F C	
500-116524-5	Dup	Total/NA	Water	SM 4500 F C	
MB 500-350973/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-350973/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-350973/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-350973/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-116524-3 MS	MW-05	Total/NA	Water	SM 4500 F C	
500-116524-3 MSD	MW-05	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: 500-116524-1

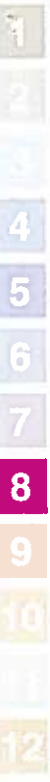
General Chemistry (Continued)

Analysis Batch: 351394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-116524-2	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-116524-3	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-116524-4	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-116524-5	Dup	Total/NA	Water	SM 4500 Cl- E	
MB 500-351394/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-351394/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-116524-2 MS	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-116524-2 MSD	MW-04	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 352645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-116524-1	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-116524-2	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-116524-3	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-116524-4	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-116524-5	Dup	Total/NA	Water	SM 4500 SO4 E	
MB 500-352645/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-352645/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-116524-1 MS	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-116524-1 MSD	MW-03	Total/NA	Water	SM 4500 SO4 E	



QC Sample Results

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

TestAmerica Job ID: 500-116524-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-350356/1-A
Matrix: Water
Analysis Batch: 350507

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		09/02/16 08:08	09/03/16 08:40	1

Lab Sample ID: LCS 500-350356/2-A
Matrix: Water
Analysis Batch: 350507

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.510		mg/L		102	80 - 120

Lab Sample ID: 500-116524-4 MS
Matrix: Water
Analysis Batch: 350507

Client Sample ID: MW-10
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	0.010		0.500	0.480		mg/L		94	75 - 125

Lab Sample ID: 500-116524-4 MSD
Matrix: Water
Analysis Batch: 350507

Client Sample ID: MW-10
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	0.010		0.500	0.499		mg/L		98	75 - 125	4	20

Lab Sample ID: 500-116524-4 DU
Matrix: Water
Analysis Batch: 350507

Client Sample ID: MW-10
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lithium	0.010		<0.010		mg/L		NC	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-350356/1-A
Matrix: Water
Analysis Batch: 350471

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		09/02/16 08:08	09/02/16 15:21	1
Arsenic	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:21	1
Barium	<0.0025		0.0025		mg/L		09/02/16 08:08	09/02/16 15:21	1
Beryllium	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:21	1
Cadmium	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:21	1
Calcium	<0.20		0.20		mg/L		09/02/16 08:08	09/02/16 15:21	1
Chromium	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:21	1
Cobalt	<0.0010		0.0010		mg/L		09/02/16 08:08	09/02/16 15:21	1
Lead	<0.00050		0.00050		mg/L		09/02/16 08:08	09/02/16 15:21	1
Molybdenum	<0.0050		0.0050		mg/L		09/02/16 08:08	09/02/16 15:21	1
Selenium	<0.0025		0.0025		mg/L		09/02/16 08:08	09/02/16 15:21	1
Thallium	<0.0020		0.0020		mg/L		09/02/16 08:08	09/02/16 15:21	1

TestAmerica Chicago

MWG13-15_58821
9/22/2016

QC Sample Results

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

TestAmerica Job ID: 500-116524-1

Lab Sample ID: MB 500-350356/1-A
Matrix: Water
Analysis Batch: 350692

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		09/02/16 08:08	09/06/16 11:11	1

Lab Sample ID: LCS 500-350356/2-A
Matrix: Water
Analysis Batch: 350471

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.516		mg/L		103	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	2.00	2.06		mg/L		103	80 - 120
Beryllium	0.0500	0.0517		mg/L		103	80 - 120
Cadmium	0.0500	0.0537		mg/L		107	80 - 120
Calcium	10.0	8.87		mg/L		89	80 - 120
Chromium	0.200	0.205		mg/L		103	80 - 120
Cobalt	0.500	0.516		mg/L		103	80 - 120
Lead	0.100	0.108		mg/L		108	80 - 120
Molybdenum	1.00	0.999		mg/L		100	80 - 120
Selenium	0.100	0.102		mg/L		102	80 - 120
Thallium	0.100	0.109		mg/L		109	80 - 120

Lab Sample ID: LCS 500-350356/2-A
Matrix: Water
Analysis Batch: 350692

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.00	1.02		mg/L		102	80 - 120

Lab Sample ID: 500-116524-4 MS
Matrix: Water
Analysis Batch: 350471

Client Sample ID: MW-10
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.485		mg/L		97	75 - 125
Arsenic	<0.0010		0.100	0.0981		mg/L		97	75 - 125
Barium	0.039		2.00	1.95		mg/L		96	75 - 125
Beryllium	<0.0010	^	0.0500	0.0475	^	mg/L		95	75 - 125
Cadmium	<0.00050		0.0500	0.0488		mg/L		98	75 - 125
Calcium	89		10.0	91.3	4	mg/L		20	75 - 125
Chromium	<0.0050		0.200	0.186		mg/L		92	75 - 125
Cobalt	<0.0010		0.500	0.454		mg/L		91	75 - 125
Lead	<0.00050		0.100	0.0982		mg/L		98	75 - 125
Molybdenum	0.0077		1.00	0.943		mg/L		94	75 - 125
Selenium	<0.0025		0.100	0.0963		mg/L		95	75 - 125
Thallium	<0.0020		0.100	0.0989		mg/L		99	75 - 125

Lab Sample ID: 500-116524-4 MS
Matrix: Water
Analysis Batch: 350692

Client Sample ID: MW-10
Prep Type: Total Recoverable
Prep Batch: 350356

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	0.36		1.00	1.32		mg/L		96	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-116524-1

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

Lab Sample ID: 500-116524-4 MSD

Matrix: Water

Analysis Batch: 350471

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Antimony	<0.0030		0.500	0.506		mg/L		101	75 - 125	4	20
Arsenic	<0.0010		0.100	0.102		mg/L		102	75 - 125	4	20
Barium	0.039		2.00	2.05		mg/L		100	75 - 125	5	20
Beryllium	<0.0010	^	0.0500	0.0467	^	mg/L		93	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0501		mg/L		100	75 - 125	3	20
Calcium	89		10.0	99.6	4	mg/L		102	75 - 125	9	20
Chromium	<0.0050		0.200	0.194		mg/L		96	75 - 125	4	20
Cobalt	<0.0010		0.500	0.474		mg/L		95	75 - 125	4	20
Lead	<0.00050		0.100	0.0994		mg/L		99	75 - 125	1	20
Molybdenum	0.0077		1.00	0.948		mg/L		94	75 - 125	1	20
Selenium	<0.0025		0.100	0.103		mg/L		101	75 - 125	6	20
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125	2	20

Client Sample ID: MW-10

Prep Type: Total Recoverable

Prep Batch: 350356

Lab Sample ID: 500-116524-4 MSD

Matrix: Water

Analysis Batch: 350692

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
Boron	0.36		1.00	1.39		mg/L		103	75 - 125	5	20

Client Sample ID: MW-10

Prep Type: Total Recoverable

Prep Batch: 350356

Lab Sample ID: 500-116524-4 DU

Matrix: Water

Analysis Batch: 350471

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.039		0.0388		mg/L		0.6	20
Beryllium	<0.0010	^	<0.0010	^	mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	89		94.4		mg/L		6	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.0077		0.00776		mg/L		0.9	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Client Sample ID: MW-10

Prep Type: Total Recoverable

Prep Batch: 350356

Lab Sample ID: 500-116524-4 DU

Matrix: Water

Analysis Batch: 350692

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Boron	0.36		0.338		mg/L		5	20

Client Sample ID: MW-10

Prep Type: Total Recoverable

Prep Batch: 350356

TestAmerica Chicago

MWG13-15_58823

9/22/2016

QC Sample Results

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

TestAmerica Job ID: 500-116524-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-350445/12-A
Matrix: Water
Analysis Batch: 350678

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 350445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/02/16 15:00	09/06/16 10:33	1

Lab Sample ID: LCS 500-350445/13-A
Matrix: Water
Analysis Batch: 350678

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 350445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00177		mg/L		88	80 - 120

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

Lab Sample ID: MB 500-350341/1
Matrix: Water
Analysis Batch: 350341

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			09/02/16 04:28	1

Lab Sample ID: LCS 500-350341/2
Matrix: Water
Analysis Batch: 350341

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	250	284		mg/L		114	80 - 120

Lab Sample ID: 500-116524-1 DU
Matrix: Water
Analysis Batch: 350341

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	920		904		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-351394/4
Matrix: Water
Analysis Batch: 351394

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			09/11/16 21:58	1

Lab Sample ID: LCS 500-351394/5
Matrix: Water
Analysis Batch: 351394

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chloride	50.0	49.6		mg/L		99	80 - 120

TestAmerica Chicago

MWG13-15_58824
9/22/2016

QC Sample Results

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

TestAmerica Job ID: 500-116524-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: 500-116524-2 MS
Matrix: Water
Analysis Batch: 351394

Client Sample ID: MW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	210		50.0	259	4	mg/L		95	75 - 125

Lab Sample ID: 500-116524-2 MSD
Matrix: Water
Analysis Batch: 351394

Client Sample ID: MW-04
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	210		50.0	252	4	mg/L		81	75 - 125	3	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-350973/3
Matrix: Water
Analysis Batch: 350973

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			09/08/16 10:59	1

Lab Sample ID: MB 500-350973/31
Matrix: Water
Analysis Batch: 350973

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			09/08/16 12:19	1

Lab Sample ID: LCS 500-350973/32
Matrix: Water
Analysis Batch: 350973

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	10.1		mg/L		101	80 - 120

Lab Sample ID: LCS 500-350973/4
Matrix: Water
Analysis Batch: 350973

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	10.0		mg/L		100	80 - 120

Lab Sample ID: 500-116524-3 MS
Matrix: Water
Analysis Batch: 350973

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.56		5.00	5.93		mg/L		107	75 - 125



QC Sample Results

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

TestAmerica Job ID: 500-116524-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-116524-3 MSD
Matrix: Water
Analysis Batch: 350973

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.56		5.00	5.96		mg/L		108	75 - 125	1	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-352645/3
Matrix: Water
Analysis Batch: 352645

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			09/21/16 08:43	1

Lab Sample ID: LCS 500-352645/4
Matrix: Water
Analysis Batch: 352645

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	21.5		mg/L		108	80 - 120

Lab Sample ID: 500-116524-1 MS
Matrix: Water
Analysis Batch: 352645

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	120		200	316		mg/L		98	75 - 125

Lab Sample ID: 500-116524-1 MSD
Matrix: Water
Analysis Batch: 352645

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	120		200	325		mg/L		103	75 - 125	3	20



Client Information Company: KPRG & Associates Inc. Address: 14685 W. Lisbon Rd City: Brookfield State, Zip: WI, 53005 Phone: 282-781-0475 Email:		Lab PM: Eric Lang E-Mail:		Carrier Tracking Note:		COC No: 500-40303-20793.1 Page: Page 1 of 1 Job #: 500-116524	
Due Date Requested: TAT Requested (days): 15 days PO #: 4501575426 Line Item 00040 WO #: 35588578 Project #: 50011568 SSONW:		Analysis Requested		Preservation Codes: A - HCl B - NaOH C - As ₂ O ₃ D - Nitric Acid E - H ₂ SO ₄ F - MeOH G - Anchoir H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Special Instructions/Notes:	
Sample Identification MW-03 MW-04 MW-05 MW-10 Dup		Sample Date 8-31-16 8-31-16 8-31-16 8-31-16 8-31-16		Sample Time 16:16 14:48 11:11 12:55 -		Sample Type (C=Comp, G=grab) G G G G G	
Matrix (Water, Sewage, Other) Water Water Water Water Water		Preservation Code N N N N N		Method of Shipment Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months		Special Instructions/Notes: 500-116524 COC	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Delivarable Requested: I, II, III, IV, Other (specify) - Level IV		Empty Kit Relinquished by:		Date: 9-1-16 16:20	
Relinquished by: [Signature] Relinquished by: [Signature]		Company: KPRG Date/Time: 9-1-16 16:20		Company: [Signature] Date/Time: 9-1-16 16:20		Company: [Signature] Date/Time: 9-1-16 16:20	
Custody Seal No.: A Yes A No		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 5.8 4.3		MWG13-15_58827 8/29/2016	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-116524-1

Login Number: 116524

List Number: 1

Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is \leq 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	4.3,5.8
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 <math><6\text{mm}</math> (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: 500-116524-1

Client Sample ID: MW-03

Date Collected: 08/31/16 16:16

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	350507	09/03/16 08:56	KML	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350471	09/02/16 15:37	FXG	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350692	09/06/16 11:19	FXG	TAL CHI
Total/NA	Prep	7470A			350445	09/02/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	350678	09/06/16 11:05	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	350341	09/02/16 05:34	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	351394	09/11/16 22:46	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	350973	09/08/16 12:10	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	352645		CLB	TAL CHI
						(Start) 09/21/16 08:48		
						(End) 09/21/16 08:49		

Client Sample ID: MW-04

Date Collected: 08/31/16 14:48

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	350507	09/03/16 09:00	KML	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350471	09/02/16 15:40	FXG	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350692	09/06/16 11:22	FXG	TAL CHI
Total/NA	Prep	7470A			350445	09/02/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	350678	09/06/16 11:06	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	350341	09/02/16 05:42	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	351394	09/11/16 22:46	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	350973	09/08/16 12:13	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	352645		CLB	TAL CHI
						(Start) 09/21/16 08:52		
						(End) 09/21/16 08:53		

Client Sample ID: MW-05

Date Collected: 08/31/16 11:11

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	350507	09/03/16 09:05	KML	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-116524-1

Client Sample ID: MW-05

Date Collected: 08/31/16 11:11

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	350471	09/02/16 15:44	FXG	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350692	09/06/16 11:26	FXG	TAL CHI
Total/NA	Prep	7470A			350445	09/02/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	350678	09/06/16 11:08	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	350341	09/02/16 05:45	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	351394	09/11/16 22:48	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	350973	09/08/16 12:24	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	352645		CLB	TAL CHI
						(Start) 09/21/16 08:55		
						(End) 09/21/16 08:57		

Client Sample ID: MW-10

Date Collected: 08/31/16 12:55

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	350507	09/03/16 09:09	KML	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350471	09/02/16 15:48	FXG	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350692	09/06/16 11:30	FXG	TAL CHI
Total/NA	Prep	7470A			350445	09/02/16 15:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	350678	09/06/16 11:09	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	350341	09/02/16 05:49	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	351394	09/11/16 22:49	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	350973	09/08/16 12:31	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		4	352645		CLB	TAL CHI
						(Start) 09/21/16 08:57		
						(End) 09/21/16 08:58		

Client Sample ID: Dup

Date Collected: 08/31/16 00:00

Date Received: 09/01/16 16:20

Lab Sample ID: 500-116524-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	350507	09/03/16 09:30	KML	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	350471	09/02/16 16:15	FXG	TAL CHI
Total Recoverable	Prep	3005A			350356	09/02/16 08:08	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	351110	09/09/16 11:32	FXG	TAL CHI

TestAmerica Chicago

