

# 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: 500-111523-1  
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:  
5/31/2016 5:33:24 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\_58593

C.DMP EX. 2046

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# Case Narrative

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

TestAmerica Job ID: 500-111523-1

**Job ID: 500-111523-1**

**Laboratory: TestAmerica Chicago**

## Narrative

**Job Narrative**  
**500-111523-1**

## Comments

No additional comments.

## Receipt

The samples were received on 5/12/2016 1:44 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.9° C and 2.8° C.

## Metals

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

## General Chemistry

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



# Method Summary

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

TestAmerica Job ID: 500-111523-1

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: 500-111523-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-111523-1	MW-03	Water	05/10/16 14:04	05/12/16 13:44
500-111523-2	MW-04	Water	05/10/16 12:43	05/12/16 13:44
500-111523-3	MW-05	Water	05/10/16 15:48	05/12/16 13:44
500-111523-4	MW-10	Water	05/12/16 08:25	05/12/16 13:44
500-111523-5	Dup	Water	05/10/16 00:00	05/12/16 13:44



# Client Sample Results

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-03**

Date Collected: 05/10/16 14:04

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-1**

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		05/17/16 15:24	05/18/16 18:45	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		05/17/16 15:24	05/19/16 18:07	1
Arsenic	0.0011		0.0010		mg/L		05/17/16 15:24	05/19/16 18:07	1
Barium	0.095		0.0025		mg/L		05/17/16 15:24	05/19/16 18:07	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:07	1
Boron	0.48		0.050		mg/L		05/17/16 15:24	05/20/16 17:46	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 18:07	1
Calcium	95		0.20		mg/L		05/17/16 15:24	05/19/16 18:07	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 18:07	1
Cobalt	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:07	1
Lead	<0.00050		0.00050		mg/L		05/17/16 15:24	05/20/16 17:46	1
Molybdenum	0.0062		0.0050		mg/L		05/17/16 15:24	05/19/16 18:07	1
Selenium	0.0030		0.0025		mg/L		05/17/16 15:24	05/19/16 18:07	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 17:46	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 12:16	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	800		10		mg/L			05/13/16 02:24	1
Chloride	240		10		mg/L			05/20/16 23:43	5
Fluoride	0.44		0.10		mg/L			05/21/16 18:41	1
Sulfate	130		25		mg/L			05/24/16 08:08	5

# Client Sample Results

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-04**

Date Collected: 05/10/16 12:43

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-2**

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		05/17/16 15:24	05/18/16 18:49	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		05/17/16 15:24	05/19/16 18:10	1
Arsenic	0.0014		0.0010		mg/L		05/17/16 15:24	05/19/16 18:10	1
Barium	0.088		0.0025		mg/L		05/17/16 15:24	05/19/16 18:10	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:10	1
Boron	0.47		0.050		mg/L		05/17/16 15:24	05/20/16 17:50	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 18:10	1
Calcium	100		0.20		mg/L		05/17/16 15:24	05/19/16 18:10	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 18:10	1
Cobalt	0.0086		0.0010		mg/L		05/17/16 15:24	05/19/16 18:10	1
Lead	<0.00050		0.00050		mg/L		05/17/16 15:24	05/20/16 17:50	1
Molybdenum	0.0088		0.0050		mg/L		05/17/16 15:24	05/19/16 18:10	1
Selenium	<0.0025		0.0025		mg/L		05/17/16 15:24	05/19/16 18:10	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 17:50	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 12:18	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	900		10		mg/L			05/13/16 02:30	1
Chloride	260		10		mg/L			05/20/16 23:43	5
Fluoride	0.46		0.10		mg/L			05/21/16 18:52	1
Sulfate	150		50		mg/L			05/24/16 08:09	10

# Client Sample Results

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-05**  
Date Collected: 05/10/16 15:48  
Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-3**  
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		05/17/16 15:24	05/18/16 18:53	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		05/17/16 15:24	05/19/16 18:14	1
Arsenic	0.0023		0.0010		mg/L		05/17/16 15:24	05/19/16 18:14	1
Barium	0.075		0.0025		mg/L		05/17/16 15:24	05/19/16 18:14	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:14	1
Boron	0.80		0.050		mg/L		05/17/16 15:24	05/20/16 17:54	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 18:14	1
Calcium	150		0.20		mg/L		05/17/16 15:24	05/19/16 18:14	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 18:14	1
Cobalt	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:14	1
Lead	0.0022		0.00050		mg/L		05/17/16 15:24	05/20/16 17:54	1
Molybdenum	0.0080		0.0050		mg/L		05/17/16 15:24	05/19/16 18:14	1
Selenium	0.019		0.0025		mg/L		05/17/16 15:24	05/19/16 18:14	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 17:54	1

**Method: 7470A - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 12:24	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	950		10		mg/L			05/13/16 02:32	1
Chloride	220		10		mg/L			05/20/16 23:44	5
Fluoride	0.46		0.10		mg/L			05/21/16 18:59	1
Sulfate	290		50		mg/L			05/24/16 08:10	10





# Client Sample Results

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-10**

Date Collected: 05/12/16 08:25

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-4**

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		05/17/16 15:24	05/18/16 18:58	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		05/17/16 15:24	05/19/16 18:18	1
Arsenic	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:18	1
Barium	0.046		0.0025		mg/L		05/17/16 15:24	05/19/16 18:18	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:18	1
Boron	0.29		0.050		mg/L		05/17/16 15:24	05/20/16 17:58	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 18:18	1
Calcium	100		0.20		mg/L		05/17/16 15:24	05/19/16 18:18	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 18:18	1
Cobalt	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:18	1
Lead	<0.00050		0.00050		mg/L		05/17/16 15:24	05/20/16 17:58	1
Molybdenum	0.0051		0.0050		mg/L		05/17/16 15:24	05/19/16 18:18	1
Selenium	<0.0025		0.0025		mg/L		05/17/16 15:24	05/19/16 18:18	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 17:58	1

### Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 12:26	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	920		10		mg/L			05/13/16 02:35	1
Chloride	300		10		mg/L			05/20/16 23:44	5
Fluoride	0.42		0.10		mg/L			05/21/16 19:11	1
Sulfate	110		25		mg/L			05/24/16 08:11	5

# Client Sample Results

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

TestAmerica Job ID: 500-111523-1

## Client Sample ID: Dup

Date Collected: 05/10/16 00:00  
Date Received: 05/12/16 13:44

## Lab Sample ID: 500-111523-5

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		05/17/16 15:24	05/18/16 19:02	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		05/17/16 15:24	05/19/16 18:22	1
Arsenic	0.0029		0.0010		mg/L		05/17/16 15:24	05/19/16 18:22	1
Barium	0.071		0.0025		mg/L		05/17/16 15:24	05/19/16 18:22	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 18:22	1
Boron	0.74		0.050		mg/L		05/17/16 15:24	05/20/16 18:01	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 18:22	1
Calcium	150		0.20		mg/L		05/17/16 15:24	05/19/16 18:22	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 18:22	1
Cobalt	0.0012		0.0010		mg/L		05/17/16 15:24	05/19/16 18:22	1
Lead	0.0030		0.00050		mg/L		05/17/16 15:24	05/20/16 18:01	1
Molybdenum	0.0068		0.0050		mg/L		05/13/16 13:14	05/23/16 22:26	1
Selenium	0.018		0.0025		mg/L		05/17/16 15:24	05/19/16 18:22	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 18:01	1

### Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 12:28	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	960		10		mg/L			05/13/16 02:38	1
Chloride	230		10		mg/L			05/20/16 23:45	5
Fluoride	0.46		0.10		mg/L			05/21/16 19:14	1
Sulfate	290		50		mg/L			05/24/16 08:12	10

## Definitions/Glossary

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

TestAmerica Job ID: 500-111523-1

### 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: 500-111523-1

## Metals

### Prep Batch: 335378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-5	Dup	Total Recoverable	Water	3005A	
LCS 500-335378/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 500-335378/1-A	Method Blank	Total Recoverable	Water	3005A	

### Prep Batch: 335892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total Recoverable	Water	3005A	
500-111523-2	MW-04	Total Recoverable	Water	3005A	
500-111523-3	MW-05	Total Recoverable	Water	3005A	
500-111523-4	MW-10	Total Recoverable	Water	3005A	
500-111523-5	Dup	Total Recoverable	Water	3005A	
LCS 500-335892/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 500-335892/1-A	Method Blank	Total Recoverable	Water	3005A	

### Analysis Batch: 336164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total Recoverable	Water	6010C	335892
500-111523-2	MW-04	Total Recoverable	Water	6010C	335892
500-111523-3	MW-05	Total Recoverable	Water	6010C	335892
500-111523-4	MW-10	Total Recoverable	Water	6010C	335892
500-111523-5	Dup	Total Recoverable	Water	6010C	335892
LCS 500-335892/2-A	Lab Control Sample	Total Recoverable	Water	6010C	335892
MB 500-335892/1-A	Method Blank	Total Recoverable	Water	6010C	335892

### Analysis Batch: 336337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total Recoverable	Water	6020A	335892
500-111523-2	MW-04	Total Recoverable	Water	6020A	335892
500-111523-3	MW-05	Total Recoverable	Water	6020A	335892
500-111523-4	MW-10	Total Recoverable	Water	6020A	335892
500-111523-5	Dup	Total Recoverable	Water	6020A	335892
LCS 500-335892/2-A	Lab Control Sample	Total Recoverable	Water	6020A	335892
MB 500-335892/1-A	Method Blank	Total Recoverable	Water	6020A	335892

### Analysis Batch: 336668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total Recoverable	Water	6020A	335892
500-111523-2	MW-04	Total Recoverable	Water	6020A	335892
500-111523-3	MW-05	Total Recoverable	Water	6020A	335892
500-111523-4	MW-10	Total Recoverable	Water	6020A	335892
500-111523-5	Dup	Total Recoverable	Water	6020A	335892
LCS 500-335892/2-A	Lab Control Sample	Total Recoverable	Water	6020A	335892
MB 500-335892/1-A	Method Blank	Total Recoverable	Water	6020A	335892

### Analysis Batch: 336858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-5	Dup	Total Recoverable	Water	6020A	335378
LCS 500-335378/2-A	Lab Control Sample	Total Recoverable	Water	6020A	335378
MB 500-335378/1-A	Method Blank	Total Recoverable	Water	6020A	335378



# QC Association Summary

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

TestAmerica Job ID: 500-111523-1



## Metals (Continued)

### Prep Batch: 336919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	7470A	
500-111523-2	MW-04	Total/NA	Water	7470A	
500-111523-3	MW-05	Total/NA	Water	7470A	
500-111523-4	MW-10	Total/NA	Water	7470A	
500-111523-5	Dup	Total/NA	Water	7470A	
LCS 500-336919/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-336919/12-A	Method Blank	Total/NA	Water	7470A	

### Analysis Batch: 337097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	7470A	336919
500-111523-2	MW-04	Total/NA	Water	7470A	336919
500-111523-3	MW-05	Total/NA	Water	7470A	336919
500-111523-4	MW-10	Total/NA	Water	7470A	336919
500-111523-5	Dup	Total/NA	Water	7470A	336919
LCS 500-336919/13-A	Lab Control Sample	Total/NA	Water	7470A	336919
MB 500-336919/12-A	Method Blank	Total/NA	Water	7470A	336919

## General Chemistry

### Analysis Batch: 335274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	SM 2540C	
500-111523-1 DU	MW-03	Total/NA	Water	SM 2540C	
500-111523-2	MW-04	Total/NA	Water	SM 2540C	
500-111523-3	MW-05	Total/NA	Water	SM 2540C	
500-111523-4	MW-10	Total/NA	Water	SM 2540C	
500-111523-5	Dup	Total/NA	Water	SM 2540C	
LCS 500-335274/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-335274/1	Method Blank	Total/NA	Water	SM 2540C	

### Analysis Batch: 336515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	SM 4500 F C	
500-111523-2	MW-04	Total/NA	Water	SM 4500 F C	
500-111523-2 MS	MW-04	Total/NA	Water	SM 4500 F C	
500-111523-2 MSD	MW-04	Total/NA	Water	SM 4500 F C	
500-111523-3	MW-05	Total/NA	Water	SM 4500 F C	
500-111523-4	MW-10	Total/NA	Water	SM 4500 F C	
500-111523-5	Dup	Total/NA	Water	SM 4500 F C	
LCS 500-336515/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-336515/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-336515/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-336515/31	Method Blank	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 336544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	SM 4500 CI- E	
500-111523-2	MW-04	Total/NA	Water	SM 4500 CI- E	
500-111523-3	MW-05	Total/NA	Water	SM 4500 CI- E	

TestAmerica Chicago

# QC Association Summary

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

TestAmerica Job ID: 500-111523-1



## General Chemistry (Continued)

### Analysis Batch: 336544 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-4	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-111523-5	Dup	Total/NA	Water	SM 4500 Cl- E	
LCS 500-336544/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 500-336544/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	

### Analysis Batch: 336829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111523-1	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-111523-2	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-111523-3	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-111523-4	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-111523-5	Dup	Total/NA	Water	SM 4500 SO4 E	
LCS 500-336829/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MB 500-336829/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	

# QC Sample Results

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

TestAmerica Job ID: 500-111523-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-335892/1-A  
Matrix: Water  
Analysis Batch: 336164

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		05/17/16 15:24	05/18/16 18:36	1

Lab Sample ID: LCS 500-335892/2-A  
Matrix: Water  
Analysis Batch: 336164

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.527		mg/L		105	80 - 120

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

Lab Sample ID: MB 500-335378/1-A  
Matrix: Water  
Analysis Batch: 336858

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 335378

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Molybdenum	<0.0050		0.0050		mg/L		05/13/16 13:14	05/23/16 20:56	1

Lab Sample ID: LCS 500-335378/2-A  
Matrix: Water  
Analysis Batch: 336858

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 335378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Molybdenum	1.00	0.920		mg/L		92	80 - 120

Lab Sample ID: MB 500-335892/1-A  
Matrix: Water  
Analysis Batch: 336337

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/17/16 15:24	05/19/16 17:25	1
Arsenic	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 17:25	1
Barium	<0.0025		0.0025		mg/L		05/17/16 15:24	05/19/16 17:25	1
Beryllium	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 17:25	1
Cadmium	<0.00050		0.00050		mg/L		05/17/16 15:24	05/19/16 17:25	1
Calcium	<0.20		0.20		mg/L		05/17/16 15:24	05/19/16 17:25	1
Chromium	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 17:25	1
Cobalt	<0.0010		0.0010		mg/L		05/17/16 15:24	05/19/16 17:25	1
Molybdenum	<0.0050		0.0050		mg/L		05/17/16 15:24	05/19/16 17:25	1
Selenium	<0.0025		0.0025		mg/L		05/17/16 15:24	05/19/16 17:25	1

Lab Sample ID: MB 500-335892/1-A  
Matrix: Water  
Analysis Batch: 336668

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		05/17/16 15:24	05/20/16 17:39	1
Lead	<0.00050		0.00050		mg/L		05/17/16 15:24	05/20/16 17:39	1
Thallium	<0.0020		0.0020		mg/L		05/17/16 15:24	05/20/16 17:39	1

TestAmerica Chicago

# QC Sample Results

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

TestAmerica Job ID: 500-111523-1

Lab Sample ID: LCS 500-335892/2-A  
Matrix: Water  
Analysis Batch: 336337

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.488		mg/L		98	80 - 120
Arsenic	0.100	0.100		mg/L		100	80 - 120
Barium	2.00	2.05		mg/L		102	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120
Cadmium	0.0500	0.0507		mg/L		101	80 - 120
Calcium	10.0	10.7		mg/L		107	80 - 120
Chromium	0.200	0.201		mg/L		100	80 - 120
Cobalt	0.500	0.506		mg/L		101	80 - 120
Molybdenum	1.00	0.974		mg/L		97	80 - 120
Selenium	0.100	0.0999		mg/L		100	80 - 120

Lab Sample ID: LCS 500-335892/2-A  
Matrix: Water  
Analysis Batch: 336668

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 335892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.00		mg/L		100	80 - 120
Lead	0.100	0.105		mg/L		105	80 - 120
Thallium	0.100	0.105		mg/L		105	80 - 120

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-336919/12-A  
Matrix: Water  
Analysis Batch: 337097

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 336919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/24/16 15:30	05/25/16 11:45	1

Lab Sample ID: LCS 500-336919/13-A  
Matrix: Water  
Analysis Batch: 337097

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 336919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00207		mg/L		103	80 - 120

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

Lab Sample ID: MB 500-335274/1  
Matrix: Water  
Analysis Batch: 335274

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			05/13/16 01:35	1

Lab Sample ID: LCS 500-335274/2  
Matrix: Water  
Analysis Batch: 335274

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	288		mg/L		115	80 - 120

TestAmerica Chicago





# QC Sample Results

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

TestAmerica Job ID: 500-111523-1

Lab Sample ID: 500-111523-1 DU  
Matrix: Water  
Analysis Batch: 335274

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	800		826		mg/L		3	5

## Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-336544/4  
Matrix: Water  
Analysis Batch: 336544

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			05/20/16 22:47	1

Lab Sample ID: LCS 500-336544/5  
Matrix: Water  
Analysis Batch: 336544

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	53.1		mg/L		106	80 - 120

## Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-336515/3  
Matrix: Water  
Analysis Batch: 336515

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			05/21/16 17:24	1

Lab Sample ID: MB 500-336515/31  
Matrix: Water  
Analysis Batch: 336515

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			05/21/16 18:47	1

Lab Sample ID: LCS 500-336515/32  
Matrix: Water  
Analysis Batch: 336515

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 500-336515/4  
Matrix: Water  
Analysis Batch: 336515

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	9.89		mg/L		99	80 - 120



# QC Sample Results

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

TestAmerica Job ID: 500-111523-1

## Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-111523-2 MS  
Matrix: Water  
Analysis Batch: 336515

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
Fluoride	0.46		5.00	5.51		mg/L		101	75 - 125

Lab Sample ID: 500-111523-2 MSD  
Matrix: Water  
Analysis Batch: 336515

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
Fluoride	0.46		5.00	5.49		mg/L		101	75 - 125	0	20

## Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-336829/3  
Matrix: Water  
Analysis Batch: 336829

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			05/24/16 07:53	1

Lab Sample ID: LCS 500-336829/4  
Matrix: Water  
Analysis Batch: 336829

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	20.3		mg/L		101	80 - 120

**Client Information**  
 Sampler: Ian John Howieson  
 Client Contact: Eric Lang  
 Phone: 6302908850 ; iamh@kprginc.com  
 Company: KPRG & Associates Inc.  
 Address: 14865 W. Lisbon Rd  
 Brookfield  
 State, Zip: WI, 53005  
 Phone: 262-781-0475  
 Email: 4501575428 Line Item 00040  
 WO #: 35589579  
 Project #: 50011588  
 Site: Joliet, Illinois

**Analysis Requested**  
 Date Data Requested: TAT Requested (days): 15 days  
 PO #: 4501575428 Line Item 00040  
 WO #: 35589579  
 Project #: 50011588  
 Site: Joliet, Illinois

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sludge, Other)	Preservation Code		Special Instructions/Note
					6010C, 6020A, 7470A	2540C, 4500, F, C, SM4500, Cl, E, SM4500, 504, E	
MW-03	5-10-16	14:04	G	Water	N	X	
MW-04	5-10-16	12:43	G	Water	N	X	
MW-05	5-10-16	15:48	G	Water	N	X	
MW-10	5-12-16	08:25	G	Water	N	X	
Dup	5-10-16	—	G	Water	N	X	

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify) - Level IV

**Empty Kit Requisition/Ship By:**  
 Requisitioned by: [Signature]  
 Date/Time: 5-12-16 13:14  
 Company: KPRG  
 Requisitioned by: [Signature]  
 Date/Time: 5-12-16 13:14  
 Company: KPRG  
 Requisitioned by: [Signature]  
 Date/Time: 5-12-16 13:14  
 Company: KPRG  
 Custody Seal No.: MWG13-15 58611  
 Δ Yes Δ No  
 Remarks: (2.8) (1.9) -

## Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-111523-1

Login Number: 111523

List Number: 1

Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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	(2.8)(1.9)c
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.	True	



# Lab Chronicle

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-03**

Date Collected: 05/10/16 14:04

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-1**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	336164	05/18/16 18:45	PJ1	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336337	05/19/16 18:07	FXG	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336668	05/20/16 17:46	PFK	TAL CHI
Total/NA	Prep	7470A			336919	05/24/16 15:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	337097	05/25/16 12:16	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	335274	05/13/16 02:24	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	336544	05/20/16 23:43	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	336515	05/21/16 18:41	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	336829		CLB	TAL CHI
					(Start)	05/24/16 08:08		
					(End)	05/24/16 08:09		

**Client Sample ID: MW-04**

Date Collected: 05/10/16 12:43

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-2**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	336164	05/18/16 18:49	PJ1	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336337	05/19/16 18:10	FXG	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336668	05/20/16 17:50	PFK	TAL CHI
Total/NA	Prep	7470A			336919	05/24/16 15:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	337097	05/25/16 12:18	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	335274	05/13/16 02:30	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	336544	05/20/16 23:43	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	336515	05/21/16 18:52	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	336829		CLB	TAL CHI
					(Start)	05/24/16 08:09		
					(End)	05/24/16 08:10		

**Client Sample ID: MW-05**

Date Collected: 05/10/16 15:48

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	336164	05/18/16 18:53	PJ1	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI

TestAmerica Chicago



# Lab Chronicle

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: MW-05**

Date Collected: 05/10/16 15:48

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-3**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	336337	05/19/16 18:14	FXG	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336668	05/20/16 17:54	PFK	TAL CHI
Total/NA	Prep	7470A			336919	05/24/16 15:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	337097	05/25/16 12:24	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	335274	05/13/16 02:32	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	336544	05/20/16 23:44	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	336515	05/21/16 18:59	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	336829		CLB	TAL CHI
					(Start)	05/24/16 08:10		
					(End)	05/24/16 08:11		

**Client Sample ID: MW-10**

Date Collected: 05/12/16 08:25

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-4**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	336164	05/18/16 18:58	PJ1	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336337	05/19/16 18:18	FXG	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336668	05/20/16 17:58	PFK	TAL CHI
Total/NA	Prep	7470A			336919	05/24/16 15:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	337097	05/25/16 12:26	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	335274	05/13/16 02:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	336544	05/20/16 23:44	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	336515	05/21/16 19:11	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	336829		CLB	TAL CHI
					(Start)	05/24/16 08:11		
					(End)	05/24/16 08:12		

**Client Sample ID: Dup**

Date Collected: 05/10/16 00:00

Date Received: 05/12/16 13:44

**Lab Sample ID: 500-111523-5**

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	336164	05/18/16 19:02	PJ1	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336337	05/19/16 18:22	FXG	TAL CHI
Total Recoverable	Prep	3005A			335892	05/17/16 15:24	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336668	05/20/16 18:01	PFK	TAL CHI

TestAmerica Chicago

# Lab Chronicle

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

TestAmerica Job ID: 500-111523-1

**Client Sample ID: Dup**

**Date Collected: 05/10/16 00:00**

**Date Received: 05/12/16 13:44**

**Lab Sample ID: 500-111523-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			335378	05/13/16 13:14	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	336858	05/23/16 22:26	FXG	TAL CHI
Total/NA	Prep	7470A			336919	05/24/16 15:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	337097	05/25/16 12:28	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	335274	05/13/16 02:38	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	336544	05/20/16 23:45	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	336515	05/21/16 19:14	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	336829		CLB	TAL CHI
					(Start)	05/24/16 08:12		
					(End)	05/24/16 08:13		

#### Laboratory References:

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



