

# 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: 500-120425-1

Client Project/Site: Powerton CCR

For:

KPRG and Associates, Inc.

14665 West Lisbon Road,

Suite 2B

Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:

12/1/2016 11:36:38 AM

Eric Lang, Manager of Project Management

(708)534-5200

[eric.lang@testamericainc.com](mailto:eric.lang@testamericainc.com)

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*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*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\_59069

COMP. EX. 212 H

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# Case Narrative

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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**Job ID: 500-120425-1**

**Laboratory: TestAmerica Chicago**

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## Narrative

**Job Narrative**  
**500-120425-1**

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## Comments

No additional comments.

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## Receipt

The samples were received on 11/18/2016 7:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.8° C, 4.7° C and 5.1° C.

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## Metals

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

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## General Chemistry

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

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## Detection Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

### Client Sample ID: MW-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0051		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.056		0.0025		mg/L	1		6020A	Total Recoverable
Boron	0.18		0.050		mg/L	1		6020A	Total Recoverable
Calcium	97		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0044		0.0010		mg/L	1		6020A	Total Recoverable
Lead	0.0082		0.00050		mg/L	1		6020A	Total Recoverable
Molybdenum	0.0059		0.0050		mg/L	1		6020A	Total Recoverable
Total Dissolved Solids	500		10		mg/L	1		SM 2540C	Total/NA
Chloride	39		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.21		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	32		10		mg/L	2		SM 4500 SO4 E	Total/NA

### Lab Sample ID: 500-120425-1

### Client Sample ID: MW-05

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.051		0.0025		mg/L	1		6020A	Total Recoverable
Boron	0.93		0.10		mg/L	2		6020A	Total Recoverable
Calcium	94		0.20		mg/L	1		6020A	Total Recoverable
Total Dissolved Solids	620		10		mg/L	1		SM 2540C	Total/NA
Chloride	66		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.23		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	77		20		mg/L	4		SM 4500 SO4 E	Total/NA

### Lab Sample ID: 500-120425-2

### Client Sample ID: MW-08

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.017		0.010		mg/L	1		6010C	Total Recoverable
Arsenic	0.0012		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.076		0.0025		mg/L	1		6020A	Total Recoverable
Boron	1.2		0.10		mg/L	2		6020A	Total Recoverable
Calcium	140		0.20		mg/L	1		6020A	Total Recoverable
Molybdenum	0.016		0.0050		mg/L	1		6020A	Total Recoverable
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Total/NA
Chloride	290		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.33		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	230		50		mg/L	10		SM 4500 SO4 E	Total/NA

### Lab Sample ID: 500-120425-3

### Client Sample ID: MW-09

### Lab Sample ID: 500-120425-4

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

MWG13-15\_59072  
12/1/2016

# Detection Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Client Sample ID: MW-09 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0038		0.0010		mg/L			1	6020A	Total
Barium	0.039		0.0025		mg/L			1	6020A	Recoverable
Boron	4.5		0.50		mg/L			10	6020A	Total
Calcium	85		0.20		mg/L			1	6020A	Recoverable
Molybdenum	0.036		0.0050		mg/L			1	6020A	Total
Selenium	0.0025		0.0025		mg/L			1	6020A	Recoverable
Total Dissolved Solids	630		10		mg/L			1	SM 2540C	Total/NA
Chloride	38		2.0		mg/L			1	SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	110		25		mg/L			5	SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.071		0.0010		mg/L			1	6020A	Total
Barium	0.44		0.0025		mg/L			1	6020A	Recoverable
Boron	1.2		0.10		mg/L			2	6020A	Total
Calcium	140		0.20		mg/L			1	6020A	Recoverable
Cobalt	0.0037		0.0010		mg/L			1	6020A	Total
Lead	0.0013		0.00050		mg/L			1	6020A	Recoverable
Molybdenum	0.0088		0.0050		mg/L			1	6020A	Total
Total Dissolved Solids	1100		10		mg/L			1	SM 2540C	Total/NA
Chloride	130		10		mg/L			5	SM 4500 Cl- E	Total/NA
Fluoride	0.44		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	240		100		mg/L			20	SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.017		0.010		mg/L			1	6010C	Total
Arsenic	0.23		0.0010		mg/L			1	6020A	Recoverable
Barium	0.67		0.0025		mg/L			1	6020A	Total
Boron	0.83		0.10		mg/L			2	6020A	Recoverable
Cadmium	0.0028		0.00050		mg/L			1	6020A	Total
Calcium	140		0.20		mg/L			1	6020A	Recoverable
Total Dissolved Solids	1300		10		mg/L			1	SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

# Detection Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Client Sample ID: MW-12 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Chloride	180		10		mg/L			5	SM 4500 Cl- E	Total/NA
Fluoride	0.46		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	340		100		mg/L			20	SM 4500 SO4 E	Total/NA

## Lab Sample ID: 500-120425-6

## Client Sample ID: MW-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.016		0.010		mg/L			1	6010C	Total
Arsenic	0.0033		0.0010		mg/L			1	6020A	Recoverable Total
Barium	0.031		0.0025		mg/L			1	6020A	Recoverable Total
Boron	1.3		0.10		mg/L			2	6020A	Recoverable Total
Calcium	120		0.20		mg/L			1	6020A	Recoverable Total
Molybdenum	0.018		0.0050		mg/L			1	6020A	Recoverable Total
Selenium	0.0078		0.0025		mg/L			1	6020A	Recoverable Total
Total Dissolved Solids	1900		10		mg/L			1	SM 2540C	Total/NA
Chloride	180		10		mg/L			5	SM 4500 Cl- E	Total/NA
Fluoride	0.47		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	560		130		mg/L			25	SM 4500 SO4 E	Total/NA

## Lab Sample ID: 500-120425-7

## Client Sample ID: MW-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.022		0.010		mg/L			1	6010C	Total
Arsenic	0.19		0.0010		mg/L			1	6020A	Recoverable Total
Barium	0.073		0.0025		mg/L			1	6020A	Recoverable Total
Boron	1.5		0.10		mg/L			2	6020A	Recoverable Total
Cadmium	0.00051		0.00050		mg/L			1	6020A	Recoverable Total
Calcium	200		0.20		mg/L			1	6020A	Recoverable Total
Cobalt	0.0012		0.0010		mg/L			1	6020A	Recoverable Total
Molybdenum	0.042		0.0050		mg/L			1	6020A	Recoverable Total
Thallium	0.0021		0.0020		mg/L			1	6020A	Recoverable Total
Total Dissolved Solids	2000		10		mg/L			1	SM 2540C	Total/NA
Chloride	210		10		mg/L			5	SM 4500 Cl- E	Total/NA
Fluoride	0.56		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	560		250		mg/L			50	SM 4500 SO4 E	Total/NA

## Lab Sample ID: 500-120425-8

## Client Sample ID: MW-18

## Lab Sample ID: 500-120425-9

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

MWG13-15\_59074

12/1/2016

# Detection Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Client Sample ID: MW-18 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.013		0.010		mg/L	1		6010C	Total
Barium	0.14		0.0025		mg/L	1		6020A	Recoverable Total
Boron	0.94		0.10		mg/L	2		6020A	Recoverable Total
Calcium	130		0.20		mg/L	1		6020A	Recoverable Total
Molybdenum	0.0053		0.0050		mg/L	1		6020A	Recoverable Total
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Total/NA
Chloride	200		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.58		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	250		100		mg/L	20		SM 4500 SO4 E	Total/NA

## Client Sample ID: MW-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.084		0.0025		mg/L	1		6020A	Total
Boron	3.8		0.10		mg/L	2		6020A	Recoverable Total
Calcium	89		0.20		mg/L	1		6020A	Recoverable Total
Cobalt	0.0010		0.0010		mg/L	1		6020A	Recoverable Total
Lead	0.00068		0.00050		mg/L	1		6020A	Recoverable Total
Molybdenum	0.035		0.0050		mg/L	1		6020A	Recoverable Total
Selenium	0.0043		0.0025		mg/L	1		6020A	Recoverable Total
Total Dissolved Solids	670		10		mg/L	1		SM 2540C	Total/NA
Chloride	38		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.13		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	120		50		mg/L	10		SM 4500 SO4 E	Total/NA

## Client Sample ID: Duplicate

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.013		0.010		mg/L	1		6010C	Total
Barium	0.13		0.0025		mg/L	1		6020A	Recoverable Total
Boron	0.75		0.10		mg/L	2		6020A	Recoverable Total
Calcium	120		0.20		mg/L	1		6020A	Recoverable Total
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Total/NA
Chloride	200		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.57		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	270		100		mg/L	20		SM 4500 SO4 E	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

## Method Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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: Powerton CCR

TestAmerica Job ID: 500-120425-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-120425-1	MW-01	Water	11/16/16 14:32	11/18/16 19:50
500-120425-2	MW-05	Water	11/15/16 12:52	11/18/16 19:50
500-120425-3	MW-08	Water	11/15/16 14:51	11/18/16 19:50
500-120425-4	MW-09	Water	11/17/16 09:47	11/18/16 19:50
500-120425-5	MW-11	Water	11/17/16 12:01	11/18/16 19:50
500-120425-6	MW-12	Water	11/18/16 13:20	11/18/16 19:50
500-120425-7	MW-15	Water	11/17/16 16:40	11/18/16 19:50
500-120425-8	MW-17	Water	11/14/16 15:55	11/18/16 19:50
500-120425-9	MW-18	Water	11/18/16 10:19	11/18/16 19:50
500-120425-10	MW-19	Water	11/18/16 12:00	11/18/16 19:50
500-120425-11	Duplicate	Water	11/18/16 00:00	11/18/16 19:50



# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-01**

Date Collected: 11/16/16 14:32

Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-1**

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		11/22/16 09:03	11/23/16 20:02	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		11/22/16 09:03	11/28/16 19:54	1
Arsenic	0.0051		0.0010		mg/L		11/22/16 09:03	11/28/16 19:54	1
Barium	0.056		0.0025		mg/L		11/22/16 09:03	11/28/16 19:54	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 19:54	1
Boron	0.18		0.050		mg/L		11/22/16 09:03	11/29/16 14:41	1
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 19:54	1
Calcium	97		0.20		mg/L		11/22/16 09:03	11/28/16 19:54	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 19:54	1
Cobalt	0.0044		0.0010		mg/L		11/22/16 09:03	11/28/16 19:54	1
Lead	0.0082		0.00050		mg/L		11/22/16 09:03	11/28/16 19:54	1
Molybdenum	0.0059		0.0050		mg/L		11/22/16 09:03	11/29/16 14:41	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 19:54	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 19:54	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:08	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	500		10		mg/L			11/21/16 00:51	1
Chloride	39		2.0		mg/L			11/27/16 22:58	1
Fluoride	0.21		0.10		mg/L			11/26/16 14:42	1
Sulfate	32		10		mg/L			11/30/16 07:39	2

TestAmerica Chicago

MWG13-15\_59078  
12/1/2016

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-05**  
Date Collected: 11/15/16 12:52  
Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-2**  
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		11/22/16 09:03	11/23/16 20:05	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		11/22/16 09:03	11/28/16 19:57	1
Arsenic	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 19:57	1
Barium	0.051		0.0025		mg/L		11/22/16 09:03	11/28/16 19:57	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 19:57	1
Boron	0.93		0.10		mg/L		11/22/16 09:03	11/29/16 14:45	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 19:57	1
Calcium	94		0.20		mg/L		11/22/16 09:03	11/28/16 19:57	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 19:57	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 19:57	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 19:57	1
Molybdenum	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 19:57	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 19:57	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 19:57	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:18	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	620		10		mg/L			11/21/16 00:59	1
Chloride	66		2.0		mg/L			11/27/16 22:58	1
Fluoride	0.23		0.10		mg/L			11/26/16 14:45	1
Sulfate	77		20		mg/L			11/30/16 07:42	4

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-08**

Date Collected: 11/15/16 14:51

Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-3**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		11/22/16 09:03	11/23/16 20:15	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		11/22/16 09:03	11/28/16 20:01	1
Arsenic	0.0012		0.0010		mg/L		11/22/16 09:03	11/28/16 20:01	1
Barium	0.076		0.0025		mg/L		11/22/16 09:03	11/28/16 20:01	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:01	1
Boron	1.2		0.10		mg/L		11/22/16 09:03	11/29/16 14:49	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:01	1
Calcium	140		0.20		mg/L		11/22/16 09:03	11/28/16 20:01	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:01	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:01	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:01	1
Molybdenum	0.016		0.0050		mg/L		11/22/16 09:03	11/28/16 20:01	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:01	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:01	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:19	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			11/21/16 01:03	1
Chloride	290		10		mg/L			11/27/16 23:27	5
Fluoride	0.33		0.10		mg/L			11/26/16 14:57	1
Sulfate	230		50		mg/L			11/30/16 07:43	10

TestAmerica Chicago

MWG13-15\_59080  
12/1/2016

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-09**  
Date Collected: 11/17/16 09:47  
Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-4**  
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		11/22/16 09:03	11/23/16 20:22	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		11/22/16 09:03	11/28/16 20:05	1
Arsenic	0.0038		0.0010		mg/L		11/22/16 09:03	11/28/16 20:05	1
Barium	0.039		0.0025		mg/L		11/22/16 09:03	11/28/16 20:05	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:05	1
Boron	4.5		0.50		mg/L		11/22/16 09:03	11/29/16 14:52	10
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:05	1
Calcium	85		0.20		mg/L		11/22/16 09:03	11/28/16 20:05	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:05	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:05	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:05	1
Molybdenum	0.036		0.0050		mg/L		11/22/16 09:03	11/28/16 20:05	1
Selenium	0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:05	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	630		10		mg/L			11/21/16 01:07	1
Chloride	38		2.0		mg/L			11/27/16 22:59	1
Fluoride	0.13		0.10		mg/L			11/26/16 15:00	1
Sulfate	110		25		mg/L			11/30/16 07:44	5



# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-11**  
Date Collected: 11/17/16 12:01  
Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-5**  
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		11/22/16 09:03	11/23/16 20:38	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		11/22/16 09:03	11/28/16 20:31	1
Arsenic	0.071		0.0010		mg/L		11/22/16 09:03	11/28/16 20:31	1
Barium	0.44		0.0025		mg/L		11/22/16 09:03	11/28/16 20:31	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:31	1
Boron	1.2		0.10		mg/L		11/22/16 09:03	11/29/16 15:11	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:31	1
Calcium	140		0.20		mg/L		11/22/16 09:03	11/28/16 20:31	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:31	1
Cobalt	0.0037		0.0010		mg/L		11/22/16 09:03	11/28/16 20:31	1
Lead	0.0013		0.00050		mg/L		11/22/16 09:03	11/28/16 20:31	1
Molybdenum	0.0088		0.0050		mg/L		11/22/16 09:03	11/28/16 20:31	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:31	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:31	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:22	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			11/21/16 01:11	1
Chloride	130		10		mg/L			11/27/16 23:27	5
Fluoride	0.44		0.10		mg/L			11/26/16 15:03	1
Sulfate	240		100		mg/L			11/30/16 07:45	20

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-12**

Date Collected: 11/18/16 13:20

Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-6**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		11/22/16 09:03	11/23/16 20:42	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		11/22/16 09:03	11/28/16 20:35	1
Arsenic	0.23		0.0010		mg/L		11/22/16 09:03	11/28/16 20:35	1
Barium	0.67		0.0025		mg/L		11/22/16 09:03	11/28/16 20:35	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:35	1
Boron	0.83		0.10		mg/L		11/22/16 09:03	11/29/16 15:15	2
Cadmium	0.0028		0.00050		mg/L		11/22/16 09:03	11/28/16 20:35	1
Calcium	140		0.20		mg/L		11/22/16 09:03	11/28/16 20:35	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:35	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:35	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:35	1
Molybdenum	<0.010		0.010		mg/L		11/22/16 09:03	11/29/16 15:15	2
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:35	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:35	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:24	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			11/21/16 01:15	1
Chloride	180		10		mg/L			11/27/16 23:28	5
Fluoride	0.46		0.10		mg/L			11/26/16 15:05	1
Sulfate	340		100		mg/L			11/30/16 07:48	20

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-15**  
Date Collected: 11/17/16 16:40  
Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-7**  
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.016		0.010		mg/L		11/22/16 09:03	11/23/16 20:45	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		11/22/16 09:03	11/28/16 20:39	1
Arsenic	0.0033		0.0010		mg/L		11/22/16 09:03	11/28/16 20:39	1
Barium	0.031		0.0025		mg/L		11/22/16 09:03	11/28/16 20:39	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:39	1
Boron	1.3		0.10		mg/L		11/22/16 09:03	11/29/16 15:26	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:39	1
Calcium	120		0.20		mg/L		11/22/16 09:03	11/28/16 20:39	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:39	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:39	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:39	1
Molybdenum	0.018		0.0050		mg/L		11/22/16 09:03	11/28/16 20:39	1
Selenium	0.0078		0.0025		mg/L		11/22/16 09:03	11/28/16 20:39	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			11/21/16 01:19	1
Chloride	180		10		mg/L			11/27/16 23:28	5
Fluoride	0.47		0.10		mg/L			11/26/16 15:08	1
Sulfate	560		130		mg/L			11/30/16 07:49	25





# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

Client Sample ID: MW-17

Date Collected: 11/14/16 15:55

Date Received: 11/18/16 19:50

Lab Sample ID: 500-120425-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.022		0.010		mg/L		11/22/16 09:03	11/23/16 20:49	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		11/22/16 09:03	11/28/16 20:43	1
Arsenic	0.19		0.0010		mg/L		11/22/16 09:03	11/28/16 20:43	1
Barium	0.073		0.0025		mg/L		11/22/16 09:03	11/28/16 20:43	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:43	1
Boron	1.5		0.10		mg/L		11/22/16 09:03	11/29/16 15:30	2
Cadmium	0.00051		0.00050		mg/L		11/22/16 09:03	11/28/16 20:43	1
Calcium	200		0.20		mg/L		11/22/16 09:03	11/28/16 20:43	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:43	1
Cobalt	0.0012		0.0010		mg/L		11/22/16 09:03	11/28/16 20:43	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:43	1
Molybdenum	0.042		0.0050		mg/L		11/22/16 09:03	11/28/16 20:43	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:43	1
Thallium	0.0021		0.0020		mg/L		11/22/16 09:03	11/28/16 20:43	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:26	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2000		10		mg/L			11/21/16 01:23	1
Chloride	210		10		mg/L			11/28/16 00:02	5
Fluoride	0.56		0.10		mg/L			11/26/16 15:11	1
Sulfate	560		250		mg/L			11/30/16 07:50	50

TestAmerica Chicago

MWG13-15\_59085

12/1/2016

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-18**

Date Collected: 11/18/16 10:19

Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-9**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		11/22/16 09:03	11/23/16 21:03	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		11/22/16 09:03	11/28/16 20:46	1
Arsenic	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:46	1
Barium	0.14		0.0025		mg/L		11/22/16 09:03	11/28/16 20:46	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:46	1
Boron	0.94		0.10		mg/L		11/22/16 09:03	11/29/16 15:34	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:46	1
Calcium	130		0.20		mg/L		11/22/16 09:03	11/28/16 20:46	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:46	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:46	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:46	1
Molybdenum	0.0053		0.0050		mg/L		11/22/16 09:03	11/28/16 20:46	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:46	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:46	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:28	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			11/21/16 01:27	1
Chloride	200		10		mg/L			11/28/16 00:03	5
Fluoride	0.58		0.10		mg/L			11/26/16 15:14	1
Sulfate	250		100		mg/L			11/30/16 07:51	20

TestAmerica Chicago

MWG13-15\_59086

12/1/2016

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-19**

**Date Collected: 11/18/16 12:00**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-10**

**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		11/22/16 09:03	11/23/16 21:10	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		11/22/16 09:03	11/28/16 20:50	1
Arsenic	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:50	1
Barium	0.084		0.0025		mg/L		11/22/16 09:03	11/28/16 20:50	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:50	1
Boron	3.8		0.10		mg/L		11/22/16 09:03	11/29/16 15:38	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:50	1
Calcium	89		0.20		mg/L		11/22/16 09:03	11/28/16 20:50	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:50	1
Cobalt	0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:50	1
Lead	0.00068		0.00050		mg/L		11/22/16 09:03	11/28/16 20:50	1
Molybdenum	0.035		0.0050		mg/L		11/22/16 09:03	11/28/16 20:50	1
Selenium	0.0043		0.0025		mg/L		11/22/16 09:03	11/28/16 20:50	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:50	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:29	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	670		10		mg/L			11/21/16 01:31	1
Chloride	38		2.0		mg/L			11/28/16 00:35	1
Fluoride	0.13		0.10		mg/L			11/28/16 15:17	1
Sulfate	120		50		mg/L			11/30/16 07:52	10

# Client Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: Duplicate**

Date Collected: 11/18/16 00:00

Date Received: 11/18/16 19:50

**Lab Sample ID: 500-120425-11**

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.013		0.010		mg/L		11/22/16 09:03	11/23/16 21:13	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		11/22/16 09:03	11/28/16 20:54	1
Arsenic	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:54	1
Barium	0.13		0.0025		mg/L		11/22/16 09:03	11/28/16 20:54	1
Beryllium	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:54	1
Boron	0.75		0.10		mg/L		11/22/16 09:03	11/29/16 15:41	2
Cadmium	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:54	1
Calcium	120		0.20		mg/L		11/22/16 09:03	11/28/16 20:54	1
Chromium	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:54	1
Cobalt	<0.0010		0.0010		mg/L		11/22/16 09:03	11/28/16 20:54	1
Lead	<0.00050		0.00050		mg/L		11/22/16 09:03	11/28/16 20:54	1
Molybdenum	<0.0050		0.0050		mg/L		11/22/16 09:03	11/28/16 20:54	1
Selenium	<0.0025		0.0025		mg/L		11/22/16 09:03	11/28/16 20:54	1
Thallium	<0.0020		0.0020		mg/L		11/22/16 09:03	11/28/16 20:54	1

## Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:31	1

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			11/21/16 01:35	1
Chloride	200		10		mg/L			11/28/16 00:36	5
Fluoride	0.57		0.10		mg/L			11/26/16 15:20	1
Sulfate	270		100		mg/L			11/30/16 07:55	20

TestAmerica Chicago

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# Definitions/Glossary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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## 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)

# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Metals

### Prep Batch: 361669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	7470A	
500-120425-2	MW-05	Total/NA	Water	7470A	
500-120425-3	MW-08	Total/NA	Water	7470A	
500-120425-4	MW-09	Total/NA	Water	7470A	
500-120425-5	MW-11	Total/NA	Water	7470A	
500-120425-6	MW-12	Total/NA	Water	7470A	
500-120425-7	MW-15	Total/NA	Water	7470A	
500-120425-8	MW-17	Total/NA	Water	7470A	
500-120425-9	MW-18	Total/NA	Water	7470A	
500-120425-10	MW-19	Total/NA	Water	7470A	
500-120425-11	Duplicate	Total/NA	Water	7470A	
MB 500-361669/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-361669/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-120425-1 MS	MW-01	Total/NA	Water	7470A	
500-120425-1 MSD	MW-01	Total/NA	Water	7470A	
500-120425-1 DU	MW-01	Total/NA	Water	7470A	

### Analysis Batch: 361865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	7470A	361669
500-120425-2	MW-05	Total/NA	Water	7470A	361669
500-120425-3	MW-08	Total/NA	Water	7470A	361669
500-120425-4	MW-09	Total/NA	Water	7470A	361669
500-120425-5	MW-11	Total/NA	Water	7470A	361669
500-120425-6	MW-12	Total/NA	Water	7470A	361669
500-120425-7	MW-15	Total/NA	Water	7470A	361669
500-120425-8	MW-17	Total/NA	Water	7470A	361669
500-120425-9	MW-18	Total/NA	Water	7470A	361669
500-120425-10	MW-19	Total/NA	Water	7470A	361669
500-120425-11	Duplicate	Total/NA	Water	7470A	361669
MB 500-361669/12-A	Method Blank	Total/NA	Water	7470A	361669
LCS 500-361669/13-A	Lab Control Sample	Total/NA	Water	7470A	361669
500-120425-1 MS	MW-01	Total/NA	Water	7470A	361669
500-120425-1 MSD	MW-01	Total/NA	Water	7470A	361669
500-120425-1 DU	MW-01	Total/NA	Water	7470A	361669

### Prep Batch: 361946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total Recoverable	Water	3005A	
500-120425-2	MW-05	Total Recoverable	Water	3005A	
500-120425-3	MW-08	Total Recoverable	Water	3005A	
500-120425-4	MW-09	Total Recoverable	Water	3005A	
500-120425-5	MW-11	Total Recoverable	Water	3005A	
500-120425-6	MW-12	Total Recoverable	Water	3005A	
500-120425-7	MW-15	Total Recoverable	Water	3005A	
500-120425-8	MW-17	Total Recoverable	Water	3005A	
500-120425-9	MW-18	Total Recoverable	Water	3005A	
500-120425-10	MW-19	Total Recoverable	Water	3005A	
500-120425-11	Duplicate	Total Recoverable	Water	3005A	
MB 500-361946/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-361946/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

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# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Metals (Continued)

### Prep Batch: 361946 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-4 MS	MW-09	Total Recoverable	Water	3005A	
500-120425-4 MSD	MW-09	Total Recoverable	Water	3005A	
500-120425-4 DU	MW-09	Total Recoverable	Water	3005A	

### Analysis Batch: 362283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total Recoverable	Water	6010C	361946
500-120425-2	MW-05	Total Recoverable	Water	6010C	361946
500-120425-3	MW-08	Total Recoverable	Water	6010C	361946
500-120425-4	MW-09	Total Recoverable	Water	6010C	361946
500-120425-5	MW-11	Total Recoverable	Water	6010C	361946
500-120425-6	MW-12	Total Recoverable	Water	6010C	361946
500-120425-7	MW-15	Total Recoverable	Water	6010C	361946
500-120425-8	MW-17	Total Recoverable	Water	6010C	361946
500-120425-9	MW-18	Total Recoverable	Water	6010C	361946
500-120425-10	MW-19	Total Recoverable	Water	6010C	361946
500-120425-11	Duplicate	Total Recoverable	Water	6010C	361946
MB 500-361946/1-A	Method Blank	Total Recoverable	Water	6010C	361946
LCS 500-361946/2-A	Lab Control Sample	Total Recoverable	Water	6010C	361946
500-120425-4 MS	MW-09	Total Recoverable	Water	6010C	361946
500-120425-4 MSD	MW-09	Total Recoverable	Water	6010C	361946
500-120425-4 DU	MW-09	Total Recoverable	Water	6010C	361946

### Analysis Batch: 362749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total Recoverable	Water	6020A	361946
500-120425-2	MW-05	Total Recoverable	Water	6020A	361946
500-120425-3	MW-08	Total Recoverable	Water	6020A	361946
500-120425-4	MW-09	Total Recoverable	Water	6020A	361946
500-120425-5	MW-11	Total Recoverable	Water	6020A	361946
500-120425-6	MW-12	Total Recoverable	Water	6020A	361946
500-120425-7	MW-15	Total Recoverable	Water	6020A	361946
500-120425-8	MW-17	Total Recoverable	Water	6020A	361946
500-120425-9	MW-18	Total Recoverable	Water	6020A	361946
500-120425-10	MW-19	Total Recoverable	Water	6020A	361946
500-120425-11	Duplicate	Total Recoverable	Water	6020A	361946
MB 500-361946/1-A	Method Blank	Total Recoverable	Water	6020A	361946
LCS 500-361946/2-A	Lab Control Sample	Total Recoverable	Water	6020A	361946
500-120425-4 MS	MW-09	Total Recoverable	Water	6020A	361946
500-120425-4 MSD	MW-09	Total Recoverable	Water	6020A	361946
500-120425-4 DU	MW-09	Total Recoverable	Water	6020A	361946

### Analysis Batch: 362921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total Recoverable	Water	6020A	361946
500-120425-2	MW-05	Total Recoverable	Water	6020A	361946
500-120425-3	MW-08	Total Recoverable	Water	6020A	361946
500-120425-4	MW-09	Total Recoverable	Water	6020A	361946
500-120425-5	MW-11	Total Recoverable	Water	6020A	361946
500-120425-6	MW-12	Total Recoverable	Water	6020A	361946
500-120425-7	MW-15	Total Recoverable	Water	6020A	361946

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# QC Association Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Metals (Continued)

### Analysis Batch: 362921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-8	MW-17	Total Recoverable	Water	6020A	361946
500-120425-9	MW-18	Total Recoverable	Water	6020A	361946
500-120425-10	MW-19	Total Recoverable	Water	6020A	361946
500-120425-11	Duplicate	Total Recoverable	Water	6020A	361946
MB 500-361946/1-A	Method Blank	Total Recoverable	Water	6020A	361946
LCS 500-361946/2-A	Lab Control Sample	Total Recoverable	Water	6020A	361946
500-120425-4 MS	MW-09	Total Recoverable	Water	6020A	361946
500-120425-4 MSD	MW-09	Total Recoverable	Water	6020A	361946
500-120425-4 DU	MW-09	Total Recoverable	Water	6020A	361946

## General Chemistry

### Analysis Batch: 361707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	SM 2540C	
500-120425-2	MW-05	Total/NA	Water	SM 2540C	
500-120425-3	MW-08	Total/NA	Water	SM 2540C	
500-120425-4	MW-09	Total/NA	Water	SM 2540C	
500-120425-5	MW-11	Total/NA	Water	SM 2540C	
500-120425-6	MW-12	Total/NA	Water	SM 2540C	
500-120425-7	MW-15	Total/NA	Water	SM 2540C	
500-120425-8	MW-17	Total/NA	Water	SM 2540C	
500-120425-9	MW-18	Total/NA	Water	SM 2540C	
500-120425-10	MW-19	Total/NA	Water	SM 2540C	
500-120425-11	Duplicate	Total/NA	Water	SM 2540C	
MB 500-361707/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-361707/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-120425-1 DU	MW-01	Total/NA	Water	SM 2540C	

### Analysis Batch: 362658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-120425-2	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-120425-3	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-120425-4	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-120425-5	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-120425-6	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-120425-7	MW-15	Total/NA	Water	SM 4500 Cl- E	
MB 500-362658/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-362658/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

### Analysis Batch: 362659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-8	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-120425-9	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-120425-10	MW-19	Total/NA	Water	SM 4500 Cl- E	
500-120425-11	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-362659/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-362659/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

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# QC Association Summary

Client: KPRG and Associates, Inc.  
 Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## General Chemistry (Continued)

### Analysis Batch: 362739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	SM 4500 F C	
500-120425-2	MW-05	Total/NA	Water	SM 4500 F C	
500-120425-3	MW-08	Total/NA	Water	SM 4500 F C	
500-120425-4	MW-09	Total/NA	Water	SM 4500 F C	
500-120425-5	MW-11	Total/NA	Water	SM 4500 F C	
500-120425-6	MW-12	Total/NA	Water	SM 4500 F C	
500-120425-7	MW-15	Total/NA	Water	SM 4500 F C	
500-120425-8	MW-17	Total/NA	Water	SM 4500 F C	
500-120425-9	MW-18	Total/NA	Water	SM 4500 F C	
500-120425-10	MW-19	Total/NA	Water	SM 4500 F C	
500-120425-11	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-362739/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-362739/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

### Analysis Batch: 362919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120425-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-120425-2	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-120425-3	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-120425-4	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-120425-5	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-120425-6	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-120425-7	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-120425-8	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-120425-9	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-120425-10	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-120425-11	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-362919/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-362919/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
500-120425-1 MS	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-120425-1 MSD	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-120425-10 MS	MW-19	Total/NA	Water	SM 4500 SO4 E	
500-120425-10 MSD	MW-19	Total/NA	Water	SM 4500 SO4 E	



# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-361946/1-A  
Matrix: Water  
Analysis Batch: 362283

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 361946

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium		Result Qualifier	0.010		mg/L		11/22/16 09:03	11/23/16 19:55	1

Lab Sample ID: LCS 500-361946/2-A  
Matrix: Water  
Analysis Batch: 362283

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 361946

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Lithium	Added	Result	Qualifier	mg/L		110	80 - 120
	0.500	0.548					

Lab Sample ID: 500-120425-4 MS  
Matrix: Water  
Analysis Batch: 362283

Client Sample ID: MW-09  
Prep Type: Total Recoverable  
Prep Batch: 361946

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
Lithium	Result	Qualifier	Added	Result	Qualifier	mg/L		109	75 - 125
	<0.010		0.500	0.548					

Lab Sample ID: 500-120425-4 MSD  
Matrix: Water  
Analysis Batch: 362283

Client Sample ID: MW-09  
Prep Type: Total Recoverable  
Prep Batch: 361946

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
Lithium	Result	Qualifier	Added	Result	Qualifier	mg/L		104	75 - 125	4	20
	<0.010		0.500	0.524							

Lab Sample ID: 500-120425-4 DU  
Matrix: Water  
Analysis Batch: 362283

Client Sample ID: MW-09  
Prep Type: Total Recoverable  
Prep Batch: 361946

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

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

Lab Sample ID: MB 500-361946/1-A  
Matrix: Water  
Analysis Batch: 362749

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 361946

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony		Result Qualifier	0.0030		mg/L		11/22/16 09:03	11/28/16 19:46	1
Arsenic			0.0010		mg/L		11/22/16 09:03	11/28/16 19:46	1
Barium			0.0025		mg/L		11/22/16 09:03	11/28/16 19:46	1
Beryllium			0.0010		mg/L		11/22/16 09:03	11/28/16 19:46	1
Cadmium			0.00050		mg/L		11/22/16 09:03	11/28/16 19:46	1
Calcium			0.20		mg/L		11/22/16 09:03	11/28/16 19:46	1
Chromium			0.0050		mg/L		11/22/16 09:03	11/28/16 19:46	1
Cobalt			0.0010		mg/L		11/22/16 09:03	11/28/16 19:46	1
Lead			0.00050		mg/L		11/22/16 09:03	11/28/16 19:46	1
Molybdenum			0.0050		mg/L		11/22/16 09:03	11/28/16 19:46	1
Selenium			0.0025		mg/L		11/22/16 09:03	11/28/16 19:46	1
Thallium			0.0020		mg/L		11/22/16 09:03	11/28/16 19:46	1

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# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Lab Sample ID: MB 500-361946/1-A**  
**Matrix: Water**  
**Analysis Batch: 362921**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 361946**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		11/22/16 09:03	11/29/16 13:31	1

**Lab Sample ID: LCS 500-361946/2-A**  
**Matrix: Water**  
**Analysis Batch: 362749**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 361946**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.496		mg/L		99	80 - 120
Arsenic	0.100	0.103		mg/L		103	80 - 120
Barium	2.00	1.93		mg/L		97	80 - 120
Beryllium	0.0500	0.0483		mg/L		97	80 - 120
Cadmium	0.0500	0.0503		mg/L		101	80 - 120
Calcium	10.0	8.44		mg/L		84	80 - 120
Chromium	0.200	0.201		mg/L		101	80 - 120
Cobalt	0.500	0.510		mg/L		102	80 - 120
Lead	0.100	0.104		mg/L		104	80 - 120
Molybdenum	1.00	0.969		mg/L		97	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

**Lab Sample ID: LCS 500-361946/2-A**  
**Matrix: Water**  
**Analysis Batch: 362921**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 361946**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.00	1.06		mg/L		106	80 - 120

**Lab Sample ID: 500-120425-4 MS**  
**Matrix: Water**  
**Analysis Batch: 362749**

**Client Sample ID: MW-09**  
**Prep Type: Total Recoverable**  
**Prep Batch: 361946**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.514		mg/L		103	75 - 125
Arsenic	0.0038		0.100	0.106		mg/L		102	75 - 125
Barium	0.039		2.00	1.96		mg/L		96	75 - 125
Beryllium	<0.0010		0.0500	0.0508		mg/L		102	75 - 125
Cadmium	<0.00050		0.0500	0.0510		mg/L		102	75 - 125
Calcium	85		10.0	90.2	4	mg/L		53	75 - 125
Chromium	<0.0050		0.200	0.198		mg/L		99	75 - 125
Cobalt	<0.0010		0.500	0.491		mg/L		98	75 - 125
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125
Molybdenum	0.036		1.00	0.949		mg/L		91	75 - 125
Selenium	0.0025		0.100	0.104		mg/L		102	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

**Lab Sample ID: 500-120425-4 MS**  
**Matrix: Water**  
**Analysis Batch: 362921**

**Client Sample ID: MW-09**  
**Prep Type: Total Recoverable**  
**Prep Batch: 361946**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	4.5		1.00	5.14	4	mg/L		67	75 - 125

TestAmerica Chicago



# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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

**Lab Sample ID: 500-120425-4 MSD**

**Matrix: Water**

**Analysis Batch: 362749**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit
	Result	Qualifier	Added	Result	Qualifier	
Antimony	<0.0030		0.500	0.492		mg/L
Arsenic	0.0038		0.100	0.102		mg/L
Barium	0.039		2.00	1.89		mg/L
Beryllium	<0.0010		0.0500	0.0504		mg/L
Cadmium	<0.00050		0.0500	0.0472		mg/L
Calcium	85		10.0	85.5	4	mg/L
Chromium	<0.0050		0.200	0.189		mg/L
Cobalt	<0.0010		0.500	0.467		mg/L
Lead	<0.00050		0.100	0.0981		mg/L
Molybdenum	0.036		1.00	0.909		mg/L
Selenium	0.0025		0.100	0.0992		mg/L
Thallium	<0.0020		0.100	0.0980		mg/L

**Client Sample ID: MW-09**

**Prep Type: Total Recoverable**

**Prep Batch: 361946**

D	%Rec	Limits	RPD	
			RPD	Limit
	98	75 - 125	4	20
	98	75 - 125	4	20
	93	75 - 125	4	20
	101	75 - 125	1	20
	94	75 - 125	8	20
	6	75 - 125	5	20
	94	75 - 125	5	20
	93	75 - 125	5	20
	98	75 - 125	4	20
	87	75 - 125	4	20
	97	75 - 125	5	20
	98	75 - 125	4	20

**Lab Sample ID: 500-120425-4 MSD**

**Matrix: Water**

**Analysis Batch: 362921**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit
	Result	Qualifier	Added	Result	Qualifier	
Boron	4.5		1.00	4.96	4	mg/L

**Client Sample ID: MW-09**

**Prep Type: Total Recoverable**

**Prep Batch: 361946**

D	%Rec	Limits	RPD	
			RPD	Limit
	49	75 - 125	4	20

**Lab Sample ID: 500-120425-4 DU**

**Matrix: Water**

**Analysis Batch: 362749**

Analyte	Sample	Sample	DU		Unit
	Result	Qualifier	Result	Qualifier	
Antimony	<0.0030		<0.0030		mg/L
Arsenic	0.0038		0.00392		mg/L
Barium	0.039		0.0377		mg/L
Beryllium	<0.0010		<0.0010		mg/L
Cadmium	<0.00050		<0.00050		mg/L
Calcium	85		85.3		mg/L
Chromium	<0.0050		<0.0050		mg/L
Cobalt	<0.0010		0.00103		mg/L
Lead	<0.00050		<0.00050		mg/L
Molybdenum	0.036		0.0378		mg/L
Selenium	0.0025		<0.0025		mg/L
Thallium	<0.0020		<0.0020		mg/L

**Client Sample ID: MW-09**

**Prep Type: Total Recoverable**

**Prep Batch: 361946**

D	RPD	Limit
	4	20
	3	20
	NC	20
	NC	20
	0.5	20
	NC	20
	NC	20
	NC	20
	5	20
	NC	20
	NC	20

**Lab Sample ID: 500-120425-4 DU**

**Matrix: Water**

**Analysis Batch: 362921**

Analyte	Sample	Sample	DU		Unit
	Result	Qualifier	Result	Qualifier	
Boron	4.5		4.24		mg/L

**Client Sample ID: MW-09**

**Prep Type: Total Recoverable**

**Prep Batch: 361946**

D	RPD	Limit

TestAmerica Chicago

MWG13-15\_59096

12/1/2016

# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-361669/12-A  
Matrix: Water  
Analysis Batch: 361865

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 361669

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:05	1

Lab Sample ID: LCS 500-361669/13-A  
Matrix: Water  
Analysis Batch: 361865

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 361669

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00192		mg/L		96	80 - 120

Lab Sample ID: 500-120425-1 MS  
Matrix: Water  
Analysis Batch: 361865

Client Sample ID: MW-01  
Prep Type: Total/NA  
Prep Batch: 361669

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020		0.00100	0.000890		mg/L		89	75 - 125

Lab Sample ID: 500-120425-1 MSD  
Matrix: Water  
Analysis Batch: 361865

Client Sample ID: MW-01  
Prep Type: Total/NA  
Prep Batch: 361669

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.00106		mg/L		106	75 - 125	18	20

Lab Sample ID: 500-120425-1 DU  
Matrix: Water  
Analysis Batch: 361865

Client Sample ID: MW-01  
Prep Type: Total/NA  
Prep Batch: 361669

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Mercury	<0.00020		<0.00020		mg/L		NC	20

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

Lab Sample ID: MB 500-361707/1  
Matrix: Water  
Analysis Batch: 361707

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			11/21/16 00:24	1

Lab Sample ID: LCS 500-361707/2  
Matrix: Water  
Analysis Batch: 361707

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	276		mg/L		110	80 - 120

TestAmerica Chicago

# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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

Lab Sample ID: 500-120425-1 DU  
Matrix: Water  
Analysis Batch: 361707

Client Sample ID: MW-01  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Dissolved Solids	500		484		mg/L		4	5

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

Lab Sample ID: MB 500-362658/4  
Matrix: Water  
Analysis Batch: 362658

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			11/27/16 22:40	1

Lab Sample ID: LCS 500-362658/5  
Matrix: Water  
Analysis Batch: 362658

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	50.5		mg/L		101	80 - 120

Lab Sample ID: MB 500-362659/4  
Matrix: Water  
Analysis Batch: 362659

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			11/28/16 00:00	1

Lab Sample ID: LCS 500-362659/5  
Matrix: Water  
Analysis Batch: 362659

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	49.9		mg/L		100	80 - 120

## Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-362739/3  
Matrix: Water  
Analysis Batch: 362739

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			11/26/16 14:20	1

Lab Sample ID: LCS 500-362739/4  
Matrix: Water  
Analysis Batch: 362739

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	10.2		mg/L		102	80 - 120

TestAmerica Chicago

# QC Sample Results

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

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

Lab Sample ID: MB 500-362919/3  
Matrix: Water  
Analysis Batch: 362919

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			11/30/16 07:36	1

Lab Sample ID: LCS 500-362919/4  
Matrix: Water  
Analysis Batch: 362919

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		102	80 - 120

Lab Sample ID: 500-120425-1 MS  
Matrix: Water  
Analysis Batch: 362919

Client Sample ID: MW-01  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	32		80.0	115		mg/L		104	75 - 125

Lab Sample ID: 500-120425-1 MSD  
Matrix: Water  
Analysis Batch: 362919

Client Sample ID: MW-01  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	32		80.0	120		mg/L		109	75 - 125	4	20

Lab Sample ID: 500-120425-10 MS  
Matrix: Water  
Analysis Batch: 362919

Client Sample ID: MW-19  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	120		400	529		mg/L		101	75 - 125

Lab Sample ID: 500-120425-10 MSD  
Matrix: Water  
Analysis Batch: 362919

Client Sample ID: MW-19  
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		400	548		mg/L		106	75 - 125	4	20

# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-01**

**Date Collected: 11/16/16 14:32**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-1**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:02	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 19:54	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362921	11/29/16 14:41	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:08	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 00:51	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	362658	11/27/16 22:58	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 14:42	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	362919		CLB	TAL CHI
						(Start) 11/30/16 07:39		
						(End) 11/30/16 07:40		

**Client Sample ID: MW-05**

**Date Collected: 11/15/16 12:52**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-2**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:05	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 19:57	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 14:45	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:18	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 00:59	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	362658	11/27/16 22:58	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 14:45	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		4	362919		CLB	TAL CHI
						(Start) 11/30/16 07:42		
						(End) 11/30/16 07:43		

**Client Sample ID: MW-08**

**Date Collected: 11/15/16 14:51**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:15	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI

TestAmerica Chicago



# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-08**

**Date Collected: 11/15/16 14:51**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-3**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:01	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 14:49	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:19	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:03	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	362658	11/27/16 23:27	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 14:57	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	362919		CLB	TAL CHI
						(Start) 11/30/16 07:43		
						(End) 11/30/16 07:44		

**Client Sample ID: MW-09**

**Date Collected: 11/17/16 09:47**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-4**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:22	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:05	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		10	362921	11/29/16 14:52	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:21	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	362658	11/27/16 22:59	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:00	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	362919		CLB	TAL CHI
						(Start) 11/30/16 07:44		
						(End) 11/30/16 07:45		

**Client Sample ID: MW-11**

**Date Collected: 11/17/16 12:01**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:38	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:31	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:11	FXG	TAL CHI

TestAmerica Chicago



# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-11**

**Date Collected: 11/17/16 12:01**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-5**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:22	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:11	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	362658	11/27/16 23:27	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:03	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	362919		CLB	TAL CHI
					(Start)	11/30/16 07:45		
					(End)	11/30/16 07:46		

**Client Sample ID: MW-12**

**Date Collected: 11/18/16 13:20**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-6**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:42	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:35	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:15	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:24	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:15	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	362658	11/27/16 23:28	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:05	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	362919		CLB	TAL CHI
					(Start)	11/30/16 07:48		
					(End)	11/30/16 07:49		

**Client Sample ID: MW-15**

**Date Collected: 11/17/16 16:40**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:45	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:39	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:26	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:25	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:19	CLB	TAL CHI

TestAmerica Chicago



# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-15**

**Date Collected: 11/17/16 16:40**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-7**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- E		5	362658	11/27/16 23:28	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:08	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		25	362919		CLB	TAL CHI
						(Start) 11/30/16 07:49		
						(End) 11/30/16 07:50		

**Client Sample ID: MW-17**

**Date Collected: 11/14/16 15:55**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-8**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 20:49	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:43	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:30	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:26	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:23	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	362659	11/28/16 00:02	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:11	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	362919		CLB	TAL CHI
						(Start) 11/30/16 07:50		
						(End) 11/30/16 07:51		

**Client Sample ID: MW-18**

**Date Collected: 11/18/16 10:19**

**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-9**

**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 21:03	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:46	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:34	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:28	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:27	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	362659	11/28/16 00:03	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:14	EAT	TAL CHI

TestAmerica Chicago

MWG13-15\_59103  
12/1/2016



# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

**Client Sample ID: MW-18**  
**Date Collected: 11/18/16 10:19**  
**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-9**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 SO4 E		20	362919		CLB	TAL CHI
					(Start)	11/30/16 07:51		
					(End)	11/30/16 07:52		

**Client Sample ID: MW-19**  
**Date Collected: 11/18/16 12:00**  
**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-10**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 21:10	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:50	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:38	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:29	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:31	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	362659	11/28/16 00:35	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:17	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	362919		CLB	TAL CHI
					(Start)	11/30/16 07:52		
					(End)	11/30/16 07:53		

**Client Sample ID: Duplicate**  
**Date Collected: 11/18/16 00:00**  
**Date Received: 11/18/16 19:50**

**Lab Sample ID: 500-120425-11**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	362283	11/23/16 21:13	PJ1	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	362749	11/28/16 20:54	FXG	TAL CHI
Total Recoverable	Prep	3005A			361946	11/22/16 09:03	JEF	TAL CHI
Total Recoverable	Analysis	6020A		2	362921	11/29/16 15:41	FXG	TAL CHI
Total/NA	Prep	7470A			361669	11/20/16 16:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	361865	11/21/16 12:31	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	361707	11/21/16 01:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	362659	11/28/16 00:36	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	362739	11/26/16 15:20	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	362919		CLB	TAL CHI
					(Start)	11/30/16 07:55		
					(End)	11/30/16 07:56		

TestAmerica Chicago

MWG13-15\_59104  
12/1/2016

# Lab Chronicle

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Laboratory References:

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

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TestAmerica Chicago

# Certification Summary

Client: KPRG and Associates, Inc.  
Project/Site: Powerton CCR

TestAmerica Job ID: 500-120425-1

## Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-17



# TestAmerica

THE LEADER IN ENVIP

TestAmerica Chicago

2417 Bond St.

University Park, IL 61

708-534-5200

Fax: 708-534-5211



500-120425 COC

## Report To:

Contact: Richard Gnat  
 Company: KPRG and Associates, Inc  
 Address: 14885 W. Lebon Rd., Suite 2B  
 Brookfield, WI 53005  
 Phone: 262-781-0476  
 Email: richardg@kprginc.com

## Bill To:

Contact: Accounts Payable  
 Company: NRG Energy  
 Address: 112 Telly St  
 New Roads, LA 70780  
 Phone: 713 465-4113  
 Email: invoice88@nrq.com  
 PO #: 4801676732

Lab Lot # 500-120425  
 Packages Sealed: Yes No  
 Recycled on Ice: Yes No  
 Temperature °C of Cooler: 0.8 4.7, 5.1  
 Samples Sealed: Yes No  
 Samples Intact: Yes No N/A

Sampler Name:	Signature:	# / Cont.	Volume	Preserv.	# of Cont.	Sampling Date	Time	Client Sample ID	Additional Analyses / Remarks
Jan John Howlesson	TestAmerica Project Number: 50011812					11-16-16	14:32	MW-01	
Project Name: Quarterly Powertron CCR	TAT					11-15-16	12:52	MW-05	
Project Location: Pekin, IL						11-15-16	14:51	MW-08	
Lab PM: Eric Lang						11-14-16	09:47	MW-09	
						11-17-16	12:01	MW-11	
						11-18-16	13:20	MW-12	
						11-17-16	16:40	MW-15	
						11-14-16	15:55	MW-17	
						11-18-16	10:19	MW-18	
						11-18-16	12:00	MW-19	
								Duplicates	

RELINQUISHED BY: ESH DATE: 11-18-16 TIME: 19:50  
 COMPANY: KPRG  
 RECEIVED BY: [Signature] DATE: 11-18-16 TIME: 19:50  
 COMPANY: TestAmerica

Matrix Key: SE = Sediment, W = Water, S = Soil, SL = Sludge, MS = Miscellaneous, OL = Oil, A = Air  
 Container Key: 1. Plastic, 2. VOA Vial, 3. Sterile Plastic, 4. Amber Glass, 5. Widemouth Glass, 6. Other  
 Preservative Key: 1. HCl, Cool to 4°, 2. H<sub>2</sub>SO<sub>4</sub>, Cool to 4°, 3. HNO<sub>3</sub>, Cool to 4°, 4. NaOH, Cool to 4°, 5. NaOH/Zn, Cool to 4°, 6. Cool to 4°, 7. None  
 COMMENTS:  
 Date Received: \_\_\_\_\_  
 Courier: \_\_\_\_\_  
 Hand Delivered:   
 Bill of Lading: \_\_\_\_\_ of \_\_\_\_\_

