

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: 500-124079-1
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:
3/8/2017 4:43:48 PM

Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@testamericainc.com

LINKS

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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_61621

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Case Narrative

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

TestAmerica Job ID: 500-124079-1



Job ID: 500-124079-1

Laboratory: TestAmerica Chicago

Narrative

**Job Narrative
500-124079-1**

Comments

No additional comments.

Receipt

The samples were received on 2/17/2017 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 2.6° C, 2.9° C and 3.1° C.

Metals

Method(s) 6020A: The internal standard Terbium (Tb) was used to report the elements Lead and Thallium in batch 500-373234. This was due to the LCS being spiked with the trace digestion spike which contains Bismuth.

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-01

Lab Sample ID: 500-124079-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0041		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	120		0.20		mg/L			1	6020A	Total Recoverable
Cobalt	0.0045		0.0010		mg/L			1	6020A	Total Recoverable
Lead	0.0076		0.00050		mg/L			1	6020A	Total Recoverable
Molybdenum	0.0056		0.0050		mg/L			1	6020A	Total Recoverable
Total Dissolved Solids	550		10		mg/L			1	SM 2540C	Total/NA
Chloride	55		2.0		mg/L			1	SM 4500 Cl- E	Total/NA
Fluoride	0.17		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	60		10		mg/L			2	SM 4500 SO4 E	Total/NA

Client Sample ID: MW-05

Lab Sample ID: 500-124079-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	0.062		0.0025		mg/L			1	6020A	Total Recoverable
Boron	0.79		0.050		mg/L			1	6020A	Total Recoverable
Calcium	100		0.20		mg/L			1	6020A	Total Recoverable
Lead	0.00091		0.00050		mg/L			1	6020A	Total Recoverable
Total Dissolved Solids	760		10		mg/L			1	SM 2540C	Total/NA
Chloride	100		10		mg/L			5	SM 4500 Cl- E	Total/NA
Fluoride	0.25		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	170		50		mg/L			10	SM 4500 SO4 E	Total/NA

Client Sample ID: MW-08

Lab Sample ID: 500-124079-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0030		0.0010		mg/L			1	6020A	Total Recoverable
Barium	0.086		0.0025		mg/L			1	6020A	Total Recoverable
Boron	1.5		0.25		mg/L			5	6020A	Total Recoverable
Calcium	150		0.20		mg/L			1	6020A	Total Recoverable
Lead	0.00087		0.00050		mg/L			1	6020A	Total Recoverable
Molybdenum	0.026		0.0050		mg/L			1	6020A	Total Recoverable
Total Dissolved Solids	1500		10		mg/L			1	SM 2540C	Total/NA
Chloride	460		50		mg/L			25	SM 4500 Cl- E	Total/NA
Fluoride	0.28		0.10		mg/L			1	SM 4500 F C	Total/NA
Sulfate	230		50		mg/L			10	SM 4500 SO4 E	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: 500-124079-1

Client Sample ID: MW-09

Lab Sample ID: 500-124079-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0032		0.0010		mg/L	1			6020A	Total
										Recoverable
Barium	0.043		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	4.1		0.50		mg/L	10			6020A	Total
										Recoverable
Calcium	84		0.20		mg/L	1			6020A	Total
										Recoverable
Molybdenum	0.035		0.0050		mg/L	1			6020A	Total
										Recoverable
Selenium	0.0062		0.0025		mg/L	1			6020A	Total
										Recoverable
Total Dissolved Solids	620		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	160		50		mg/L	10			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 500-124079-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.040		0.0010		mg/L	1			6020A	Total
										Recoverable
Barium	0.30		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	1.6		0.25		mg/L	5			6020A	Total
										Recoverable
Calcium	140		0.20		mg/L	1			6020A	Total
										Recoverable
Cobalt	0.0030		0.0010		mg/L	1			6020A	Total
										Recoverable
Lead	0.00094		0.00050		mg/L	1			6020A	Total
										Recoverable
Molybdenum	0.013		0.0050		mg/L	1			6020A	Total
										Recoverable
Total Dissolved Solids	910		10		mg/L	1			SM 2540C	Total/NA
Chloride	110		10		mg/L	5			SM 4500 Cl- E	Total/NA
Fluoride	0.40		0.10		mg/L	1			SM 4500 F C	Total/NA
Sulfate	260		50		mg/L	10			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 500-124079-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.010		0.010		mg/L	1			6010C	Total
										Recoverable
Arsenic	0.29		0.0010		mg/L	1			6020A	Total
										Recoverable
Barium	0.26		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	0.48		0.050		mg/L	1			6020A	Total
										Recoverable
Cadmium	0.0057		0.00050		mg/L	1			6020A	Total
										Recoverable
Calcium	140		0.20		mg/L	1			6020A	Total
										Recoverable

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: 500-124079-1

Client Sample ID: MW-12 (Continued)

Lab Sample ID: 500-124079-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Cobalt	0.0013		0.0010		mg/L	1			6020A	Total Recoverable
Lead	0.0042		0.00050		mg/L	1			6020A	Total Recoverable
Molybdenum	0.015		0.0050		mg/L	1			6020A	Total Recoverable
Total Dissolved Solids	1300		10		mg/L	1			SM 2540C	Total/NA
Chloride	190		10		mg/L	5			SM 4500 Cl- E	Total/NA
Fluoride	0.37		0.10		mg/L	1			SM 4500 F C	Total/NA
Sulfate	630		100		mg/L	20			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 500-124079-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.025		0.010		mg/L	1			6010C	Total Recoverable
Arsenic	0.020		0.0010		mg/L	1			6020A	Total Recoverable
Barium	0.056		0.0025		mg/L	1			6020A	Total Recoverable
Boron	1.9		0.25		mg/L	5			6020A	Total Recoverable
Calcium	200		0.20		mg/L	1			6020A	Total Recoverable
Molybdenum	0.027		0.0050		mg/L	1			6020A	Total Recoverable
Selenium	0.0032		0.0025		mg/L	1			6020A	Total Recoverable
Total Dissolved Solids	1700		10		mg/L	1			SM 2540C	Total/NA
Chloride	190		10		mg/L	5			SM 4500 Cl- E	Total/NA
Fluoride	0.43		0.10		mg/L	1			SM 4500 F C	Total/NA
Sulfate	670		100		mg/L	20			SM 4500 SO4 E	Total/NA

Client Sample ID: Duplicate

Lab Sample ID: 500-124079-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	0.049		0.0025		mg/L	1			6020A	Total Recoverable
Boron	4.5		0.50		mg/L	10			6020A	Total Recoverable
Calcium	90		0.20		mg/L	1			6020A	Total Recoverable
Molybdenum	0.037		0.0050		mg/L	1			6020A	Total Recoverable
Selenium	0.0065		0.0025		mg/L	1			6020A	Total Recoverable
Total Dissolved Solids	630		10		mg/L	1			SM 2540C	Total/NA
Chloride	37		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	160		50		mg/L	10			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 500-124079-9

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: 500-124079-1



Client Sample ID: MW-17 (Continued)

Lab Sample ID: 500-124079-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.019		0.010		mg/L	1			6010C	Total
										Recoverable
Arsenic	0.35		0.0010		mg/L	1			6020A	Total
										Recoverable
Barium	0.16		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	1.6		0.25		mg/L	5			6020A	Total
										Recoverable
Cadmium	0.00093		0.00050		mg/L	1			6020A	Total
										Recoverable
Calcium	190		0.20		mg/L	1			6020A	Total
										Recoverable
Cobalt	0.0014		0.0010		mg/L	1			6020A	Total
										Recoverable
Lead	0.00079		0.00050		mg/L	1			6020A	Total
										Recoverable
Molybdenum	0.088		0.0050		mg/L	1			6020A	Total
										Recoverable
Thallium	0.0025		0.0020		mg/L	1			6020A	Total
										Recoverable
Total Dissolved Solids	1600		10		mg/L	1			SM 2540C	Total/NA
Chloride	230		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	770		200		mg/L	40			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-18

Lab Sample ID: 500-124079-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Lithium	0.014		0.010		mg/L	1			6010C	Total
										Recoverable
Barium	0.14		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	0.56		0.050		mg/L	1			6020A	Total
										Recoverable
Calcium	140		0.20		mg/L	1			6020A	Total
										Recoverable
Molybdenum	0.0058		0.0050		mg/L	1			6020A	Total
										Recoverable
Total Dissolved Solids	1200		10		mg/L	1			SM 2540C	Total/NA
Chloride	190		10		mg/L	5			SM 4500 Cl- E	Total/NA
Fluoride	0.50		0.10		mg/L	1			SM 4500 F C	Total/NA
Sulfate	340		100		mg/L	20			SM 4500 SO4 E	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 500-124079-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	0.088		0.0025		mg/L	1			6020A	Total
										Recoverable
Boron	4.7		0.50		mg/L	10			6020A	Total
										Recoverable
Calcium	88		0.20		mg/L	1			6020A	Total
										Recoverable
Lead	0.00061		0.00050		mg/L	1			6020A	Total
										Recoverable

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: 500-124079-1

Client Sample ID: MW-19 (Continued)

Lab Sample ID: 500-124079-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Molybdenum	0.046		0.0050		mg/L	1			6020A	Total Recoverable
Selenium	0.0063		0.0025		mg/L	1			6020A	Total Recoverable
Total Dissolved Solids	630		10		mg/L	1			SM 2540C	Total/NA
Chloride	37		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	180		50		mg/L	10			SM 4500 SO4 E	Total/NA



This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-124079-1

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: 500-124079-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-124079-1	MW-01	Water	02/14/17 14:55	02/17/17 19:50
500-124079-2	MW-05	Water	02/14/17 13:20	02/17/17 19:50
500-124079-3	MW-08	Water	02/16/17 15:56	02/17/17 19:50
500-124079-4	MW-09	Water	02/15/17 11:28	02/17/17 19:50
500-124079-5	MW-11	Water	02/16/17 10:18	02/17/17 19:50
500-124079-6	MW-12	Water	02/16/17 11:55	02/17/17 19:50
500-124079-7	MW-15	Water	02/17/17 13:08	02/17/17 19:50
500-124079-8	Duplicate	Water	02/15/17 00:00	02/17/17 19:50
500-124079-9	MW-17	Water	02/13/17 15:47	02/17/17 19:50
500-124079-10	MW-18	Water	02/15/17 15:26	02/17/17 19:50
500-124079-11	MW-19	Water	02/15/17 13:26	02/17/17 19:50



TestAmerica Chicago

MWG13-15_61630
3/8/2017

Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-01

Date Collected: 02/14/17 14:55

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-1

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		02/20/17 08:26	02/21/17 21:03	1

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

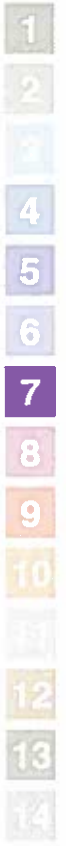
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 14:47	1
Arsenic	0.0041		0.0010		mg/L		02/20/17 08:26	02/22/17 14:47	1
Barium	0.056		0.0025		mg/L		02/20/17 08:26	02/22/17 14:47	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:47	1
Boron	0.18		0.050		mg/L		02/20/17 08:26	02/24/17 13:13	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:47	1
Calcium	120		0.20		mg/L		02/20/17 08:26	02/22/17 14:47	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:47	1
Cobalt	0.0045		0.0010		mg/L		02/20/17 08:26	02/22/17 14:47	1
Lead	0.0076		0.00050		mg/L		02/20/17 08:26	02/22/17 14:47	1
Molybdenum	0.0056		0.0050		mg/L		02/20/17 08:26	02/22/17 14:47	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 14:47	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 14:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	550		10		mg/L			02/20/17 04:02	1
Chloride	55		2.0		mg/L			02/19/17 20:52	1
Fluoride	0.17		0.10		mg/L			02/22/17 14:23	1
Sulfate	60		10		mg/L			03/02/17 07:18	2



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-05
Date Collected: 02/14/17 13:20
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-2
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		02/20/17 08:26	02/21/17 21:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 14:51	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:51	1
Barium	0.062		0.0025		mg/L		02/20/17 08:26	02/22/17 14:51	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:51	1
Boron	0.79		0.050		mg/L		02/20/17 08:26	02/24/17 13:17	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:51	1
Calcium	100		0.20		mg/L		02/20/17 08:26	02/22/17 14:51	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:51	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:51	1
Lead	0.00091		0.00050		mg/L		02/20/17 08:26	02/22/17 14:51	1
Molybdenum	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:51	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 14:51	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 14:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	760		10		mg/L			02/20/17 04:07	1
Chloride	100		10		mg/L			02/19/17 20:53	5
Fluoride	0.25		0.10		mg/L			02/22/17 14:25	1
Sulfate	170		50		mg/L			03/02/17 07:19	10

TestAmerica Chicago

MWG13-15_61632
3/8/2017

Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-08

Date Collected: 02/16/17 15:56

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		02/20/17 08:26	02/21/17 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		02/20/17 08:26	02/22/17 14:55	1
Arsenic	0.0030		0.0010		mg/L		02/20/17 08:26	02/22/17 14:55	1
Barium	0.086		0.0025		mg/L		02/20/17 08:26	02/22/17 14:55	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:55	1
Boron	1.5		0.25		mg/L		02/20/17 08:26	02/24/17 13:21	5
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:55	1
Calcium	150		0.20		mg/L		02/20/17 08:26	02/22/17 14:55	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:55	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:55	1
Lead	0.00087		0.00050		mg/L		02/20/17 08:26	02/22/17 14:55	1
Molybdenum	0.026		0.0050		mg/L		02/20/17 08:26	02/22/17 14:55	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 14:55	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 14:55	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1500		10		mg/L			02/20/17 04:10	1
Chloride	460		50		mg/L			02/19/17 21:29	25
Fluoride	0.28		0.10		mg/L			03/04/17 19:07	1
Sulfate	230		50		mg/L			03/02/17 07:20	10



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-09

Date Collected: 02/15/17 11:28

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-4

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		02/20/17 08:26	02/21/17 21:15	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		02/20/17 08:26	02/22/17 14:58	1
Arsenic	0.0032		0.0010		mg/L		02/20/17 08:26	02/22/17 14:58	1
Barium	0.043		0.0025		mg/L		02/20/17 08:26	02/22/17 14:58	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:58	1
Boron	4.1		0.50		mg/L		02/20/17 08:26	02/24/17 13:24	10
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:58	1
Calcium	84		0.20		mg/L		02/20/17 08:26	02/22/17 14:58	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:58	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:58	1
Lead	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:58	1
Molybdenum	0.035		0.0050		mg/L		02/20/17 08:26	02/22/17 14:58	1
Selenium	0.0062		0.0025		mg/L		02/20/17 08:26	02/22/17 14:58	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 14:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	620		10		mg/L			02/20/17 04:12	1
Chloride	38		2.0		mg/L			02/19/17 20:57	1
Fluoride	0.13		0.10		mg/L			03/04/17 19:12	1
Sulfate	160		50		mg/L			03/02/17 07:21	10



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-11

Date Collected: 02/16/17 10:18

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-5

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		02/20/17 08:26	02/21/17 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:02	1
Arsenic	0.040		0.0010		mg/L		02/20/17 08:26	02/22/17 15:02	1
Barium	0.30		0.0025		mg/L		02/20/17 08:26	02/22/17 15:02	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:02	1
Boron	1.6		0.25		mg/L		02/20/17 08:26	02/24/17 13:28	5
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:02	1
Calcium	140		0.20		mg/L		02/20/17 08:26	02/22/17 15:02	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:02	1
Cobalt	0.0030		0.0010		mg/L		02/20/17 08:26	02/22/17 15:02	1
Lead	0.00094		0.00050		mg/L		02/20/17 08:26	02/22/17 15:02	1
Molybdenum	0.013		0.0050		mg/L		02/20/17 08:26	02/22/17 15:02	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 15:02	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:02	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	910		10		mg/L			02/20/17 04:15	1
Chloride	110		10		mg/L			02/19/17 21:29	5
Fluoride	0.40		0.10		mg/L			03/04/17 19:16	1
Sulfate	260		50		mg/L			03/02/17 07:22	10



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-12

Date Collected: 02/16/17 11:55

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-6

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		02/20/17 08:26	02/21/17 21:22	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		02/20/17 08:26	02/22/17 15:06	1
Arsenic	0.29		0.0010		mg/L		02/20/17 08:26	02/22/17 15:06	1
Barium	0.26		0.0025		mg/L		02/20/17 08:26	02/22/17 15:06	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:06	1
Boron	0.48		0.050		mg/L		02/20/17 08:26	02/24/17 13:32	1
Cadmium	0.0057		0.00050		mg/L		02/20/17 08:26	02/22/17 15:06	1
Calcium	140		0.20		mg/L		02/20/17 08:26	02/22/17 15:06	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:06	1
Cobalt	0.0013		0.0010		mg/L		02/20/17 08:26	02/22/17 15:06	1
Lead	0.0042		0.00050		mg/L		02/20/17 08:26	02/22/17 15:06	1
Molybdenum	0.015		0.0050		mg/L		02/20/17 08:26	02/22/17 15:06	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 15:06	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			02/20/17 04:17	1
Chloride	190		10		mg/L			02/19/17 20:59	5
Fluoride	0.37		0.10		mg/L			03/04/17 19:19	1
Sulfate	630		100		mg/L			03/02/17 07:23	20

TestAmerica Chicago

MWG13-15_61636

3/8/2017

Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-15

Date Collected: 02/17/17 13:08

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.025		0.010		mg/L		02/20/17 08:26	02/21/17 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:10	1
Arsenic	0.020		0.0010		mg/L		02/20/17 08:26	02/22/17 15:10	1
Barium	0.056		0.0025		mg/L		02/20/17 08:26	02/22/17 15:10	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:10	1
Boron	1.9		0.25		mg/L		02/20/17 08:26	02/24/17 13:36	5
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:10	1
Calcium	200		0.20		mg/L		02/20/17 08:26	02/22/17 15:10	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:10	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:10	1
Lead	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:10	1
Molybdenum	0.027		0.0050		mg/L		02/20/17 08:26	02/22/17 15:10	1
Selenium	0.0032		0.0025		mg/L		02/20/17 08:26	02/22/17 15:10	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1700		10		mg/L			02/20/17 04:20	1
Chloride	190		10		mg/L			02/19/17 20:59	5
Fluoride	0.43		0.10		mg/L			03/04/17 19:22	1
Sulfate	670		100		mg/L			03/02/17 07:24	20



TestAmerica Chicago

MWG13-15_61637
3/8/2017

Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: Duplicate

Date Collected: 02/15/17 00:00

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-8

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		02/20/17 08:26	02/21/17 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:13	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:13	1
Barium	0.049		0.0025		mg/L		02/20/17 08:26	02/22/17 15:13	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:13	1
Boron	4.5		0.50		mg/L		02/20/17 08:26	02/24/17 13:39	10
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:13	1
Calcium	90		0.20		mg/L		02/20/17 08:26	02/22/17 15:13	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:13	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:13	1
Lead	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:13	1
Molybdenum	0.037		0.0050		mg/L		02/20/17 08:26	02/22/17 15:13	1
Selenium	0.0065		0.0025		mg/L		02/20/17 08:26	02/22/17 15:13	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	630		10		mg/L			02/20/17 04:23	1
Chloride	37		2.0		mg/L			02/19/17 21:00	1
Fluoride	0.13		0.10		mg/L			03/04/17 19:25	1
Sulfate	160		50		mg/L			03/02/17 07:25	10



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-17

Date Collected: 02/13/17 15:47

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.019		0.010		mg/L		02/20/17 08:26	02/21/17 21:41	1

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

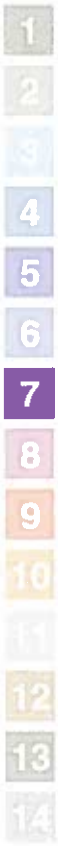
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:25	1
Arsenic	0.35		0.0010		mg/L		02/20/17 08:26	02/22/17 15:25	1
Barium	0.16		0.0025		mg/L		02/20/17 08:26	02/22/17 15:25	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:25	1
Boron	1.6		0.25		mg/L		02/20/17 08:26	02/24/17 13:51	5
Cadmium	0.00093		0.00050		mg/L		02/20/17 08:26	02/22/17 15:25	1
Calcium	190		0.20		mg/L		02/20/17 08:26	02/22/17 15:25	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:25	1
Cobalt	0.0014		0.0010		mg/L		02/20/17 08:26	02/22/17 15:25	1
Lead	0.00079		0.00050		mg/L		02/20/17 08:26	02/22/17 15:25	1
Molybdenum	0.088		0.0050		mg/L		02/20/17 08:26	02/22/17 15:25	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 15:25	1
Thallium	0.0025		0.0020		mg/L		02/20/17 08:26	02/22/17 15:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1600		10		mg/L			02/20/17 04:25	1
Chloride	230		10		mg/L			02/19/17 21:00	5
Fluoride	0.56		0.10		mg/L			03/04/17 19:28	1
Sulfate	770		200		mg/L			03/02/17 07:26	40



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-18

Date Collected: 02/15/17 15:26

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.014		0.010		mg/L		02/20/17 08:26	02/21/17 21:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:28	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:28	1
Barium	0.14		0.0025		mg/L		02/20/17 08:26	02/22/17 15:28	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:28	1
Boron	0.56		0.050		mg/L		02/20/17 08:26	02/24/17 13:55	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:28	1
Calcium	140		0.20		mg/L		02/20/17 08:26	02/22/17 15:28	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:28	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:28	1
Lead	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:28	1
Molybdenum	0.0058		0.0050		mg/L		02/20/17 08:26	02/22/17 15:28	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 15:28	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			02/20/17 04:28	1
Chloride	190		10		mg/L			02/19/17 21:01	5
Fluoride	0.50		0.10		mg/L			03/04/17 19:41	1
Sulfate	340		100		mg/L			03/02/17 07:27	20



Client Sample Results

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-19
Date Collected: 02/15/17 13:26
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-11
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		02/20/17 08:26	02/21/17 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 15:47	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:47	1
Barium	0.088		0.0025		mg/L		02/20/17 08:26	02/22/17 15:47	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:47	1
Boron	4.7		0.50		mg/L		02/20/17 08:26	02/24/17 14:13	10
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 15:47	1
Calcium	88		0.20		mg/L		02/20/17 08:26	02/22/17 15:47	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 15:47	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 15:47	1
Lead	0.00061		0.00050		mg/L		02/20/17 08:26	02/22/17 15:47	1
Molybdenum	0.046		0.0050		mg/L		02/20/17 08:26	02/22/17 15:47	1
Selenium	0.0063		0.0025		mg/L		02/20/17 08:26	02/22/17 15:47	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 15:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	630		10		mg/L			02/20/17 04:30	1
Chloride	37		2.0		mg/L			02/19/17 21:03	1
Fluoride	0.13		0.10		mg/L			03/04/17 19:44	1
Sulfate	180		50		mg/L			03/06/17 04:54	10



Definitions/Glossary

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

TestAmerica Job ID: 500-124079-1



Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-124079-1



Metals

Prep Batch: 372697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total Recoverable	Water	3005A	
500-124079-2	MW-05	Total Recoverable	Water	3005A	
500-124079-3	MW-08	Total Recoverable	Water	3005A	
500-124079-4	MW-09	Total Recoverable	Water	3005A	
500-124079-5	MW-11	Total Recoverable	Water	3005A	
500-124079-6	MW-12	Total Recoverable	Water	3005A	
500-124079-7	MW-15	Total Recoverable	Water	3005A	
500-124079-8	Duplicate	Total Recoverable	Water	3005A	
500-124079-9	MW-17	Total Recoverable	Water	3005A	
500-124079-10	MW-18	Total Recoverable	Water	3005A	
500-124079-11	MW-19	Total Recoverable	Water	3005A	
MB 500-372697/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-372697/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-124079-10 MS	MW-18	Total Recoverable	Water	3005A	
500-124079-10 MSD	MW-18	Total Recoverable	Water	3005A	
500-124079-10 DU	MW-18	Total Recoverable	Water	3005A	

Prep Batch: 372759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	7470A	
500-124079-2	MW-05	Total/NA	Water	7470A	
500-124079-3	MW-08	Total/NA	Water	7470A	
500-124079-4	MW-09	Total/NA	Water	7470A	
500-124079-5	MW-11	Total/NA	Water	7470A	
500-124079-6	MW-12	Total/NA	Water	7470A	
500-124079-7	MW-15	Total/NA	Water	7470A	
500-124079-8	Duplicate	Total/NA	Water	7470A	
500-124079-9	MW-17	Total/NA	Water	7470A	
500-124079-10	MW-18	Total/NA	Water	7470A	
500-124079-11	MW-19	Total/NA	Water	7470A	
MB 500-372759/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-372759/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-124079-1 MS	MW-01	Total/NA	Water	7470A	
500-124079-1 MSD	MW-01	Total/NA	Water	7470A	
500-124079-1 DU	MW-01	Total/NA	Water	7470A	

Analysis Batch: 372932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	7470A	372759
500-124079-2	MW-05	Total/NA	Water	7470A	372759
500-124079-3	MW-08	Total/NA	Water	7470A	372759
500-124079-4	MW-09	Total/NA	Water	7470A	372759
500-124079-5	MW-11	Total/NA	Water	7470A	372759
500-124079-6	MW-12	Total/NA	Water	7470A	372759
500-124079-7	MW-15	Total/NA	Water	7470A	372759
500-124079-8	Duplicate	Total/NA	Water	7470A	372759
500-124079-9	MW-17	Total/NA	Water	7470A	372759
500-124079-10	MW-18	Total/NA	Water	7470A	372759
500-124079-11	MW-19	Total/NA	Water	7470A	372759
MB 500-372759/12-A	Method Blank	Total/NA	Water	7470A	372759
LCS 500-372759/13-A	Lab Control Sample	Total/NA	Water	7470A	372759

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-124079-1



Metals (Continued)

Analysis Batch: 372932 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1 MS	MW-01	Total/NA	Water	7470A	372759
500-124079-1 MSD	MW-01	Total/NA	Water	7470A	372759
500-124079-1 DU	MW-01	Total/NA	Water	7470A	372759

Analysis Batch: 373077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total Recoverable	Water	6010C	372697
500-124079-2	MW-05	Total Recoverable	Water	6010C	372697
500-124079-3	MW-08	Total Recoverable	Water	6010C	372697
500-124079-4	MW-09	Total Recoverable	Water	6010C	372697
500-124079-5	MW-11	Total Recoverable	Water	6010C	372697
500-124079-6	MW-12	Total Recoverable	Water	6010C	372697
500-124079-7	MW-15	Total Recoverable	Water	6010C	372697
500-124079-8	Duplicate	Total Recoverable	Water	6010C	372697
500-124079-9	MW-17	Total Recoverable	Water	6010C	372697
500-124079-10	MW-18	Total Recoverable	Water	6010C	372697
500-124079-11	MW-19	Total Recoverable	Water	6010C	372697
MB 500-372697/1-A	Method Blank	Total Recoverable	Water	6010C	372697
LCS 500-372697/2-A	Lab Control Sample	Total Recoverable	Water	6010C	372697
500-124079-10 MS	MW-18	Total Recoverable	Water	6010C	372697
500-124079-10 MSD	MW-18	Total Recoverable	Water	6010C	372697
500-124079-10 DU	MW-18	Total Recoverable	Water	6010C	372697

Analysis Batch: 373234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total Recoverable	Water	6020A	372697
500-124079-2	MW-05	Total Recoverable	Water	6020A	372697
500-124079-3	MW-08	Total Recoverable	Water	6020A	372697
500-124079-4	MW-09	Total Recoverable	Water	6020A	372697
500-124079-5	MW-11	Total Recoverable	Water	6020A	372697
500-124079-6	MW-12	Total Recoverable	Water	6020A	372697
500-124079-7	MW-15	Total Recoverable	Water	6020A	372697
500-124079-8	Duplicate	Total Recoverable	Water	6020A	372697
500-124079-9	MW-17	Total Recoverable	Water	6020A	372697
500-124079-10	MW-18	Total Recoverable	Water	6020A	372697
500-124079-11	MW-19	Total Recoverable	Water	6020A	372697
MB 500-372697/1-A	Method Blank	Total Recoverable	Water	6020A	372697
LCS 500-372697/2-A	Lab Control Sample	Total Recoverable	Water	6020A	372697
500-124079-10 MS	MW-18	Total Recoverable	Water	6020A	372697
500-124079-10 MSD	MW-18	Total Recoverable	Water	6020A	372697
500-124079-10 DU	MW-18	Total Recoverable	Water	6020A	372697

Analysis Batch: 373471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total Recoverable	Water	6020A	372697
500-124079-2	MW-05	Total Recoverable	Water	6020A	372697
500-124079-3	MW-08	Total Recoverable	Water	6020A	372697
500-124079-4	MW-09	Total Recoverable	Water	6020A	372697
500-124079-5	MW-11	Total Recoverable	Water	6020A	372697
500-124079-6	MW-12	Total Recoverable	Water	6020A	372697
500-124079-7	MW-15	Total Recoverable	Water	6020A	372697

TestAmerica Chicago

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QC Association Summary

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

TestAmerica Job ID: 500-124079-1



Metals (Continued)

Analysis Batch: 373471 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-8	Duplicate	Total Recoverable	Water	6020A	372697
500-124079-9	MW-17	Total Recoverable	Water	6020A	372697
500-124079-10	MW-18	Total Recoverable	Water	6020A	372697
500-124079-11	MW-19	Total Recoverable	Water	6020A	372697
MB 500-372697/1-A	Method Blank	Total Recoverable	Water	6020A	372697
LCS 500-372697/2-A	Lab Control Sample	Total Recoverable	Water	6020A	372697
500-124079-10 MS	MW-18	Total Recoverable	Water	6020A	372697
500-124079-10 MSD	MW-18	Total Recoverable	Water	6020A	372697
500-124079-10 DU	MW-18	Total Recoverable	Water	6020A	372697

General Chemistry

Analysis Batch: 372668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	SM 4500 CI- E	
500-124079-2	MW-05	Total/NA	Water	SM 4500 CI- E	
500-124079-3	MW-08	Total/NA	Water	SM 4500 CI- E	
500-124079-4	MW-09	Total/NA	Water	SM 4500 CI- E	
500-124079-5	MW-11	Total/NA	Water	SM 4500 CI- E	
500-124079-6	MW-12	Total/NA	Water	SM 4500 CI- E	
500-124079-7	MW-15	Total/NA	Water	SM 4500 CI- E	
500-124079-8	Duplicate	Total/NA	Water	SM 4500 CI- E	
500-124079-9	MW-17	Total/NA	Water	SM 4500 CI- E	
500-124079-10	MW-18	Total/NA	Water	SM 4500 CI- E	
500-124079-11	MW-19	Total/NA	Water	SM 4500 CI- E	
MB 500-372668/4	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-372668/5	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-124079-5 MS	MW-11	Total/NA	Water	SM 4500 CI- E	
500-124079-5 MSD	MW-11	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 372676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	SM 2540C	
500-124079-2	MW-05	Total/NA	Water	SM 2540C	
500-124079-3	MW-08	Total/NA	Water	SM 2540C	
500-124079-4	MW-09	Total/NA	Water	SM 2540C	
500-124079-5	MW-11	Total/NA	Water	SM 2540C	
500-124079-6	MW-12	Total/NA	Water	SM 2540C	
500-124079-7	MW-15	Total/NA	Water	SM 2540C	
500-124079-8	Duplicate	Total/NA	Water	SM 2540C	
500-124079-9	MW-17	Total/NA	Water	SM 2540C	
500-124079-10	MW-18	Total/NA	Water	SM 2540C	
500-124079-11	MW-19	Total/NA	Water	SM 2540C	
MB 500-372676/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-372676/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-124079-1 DU	MW-01	Total/NA	Water	SM 2540C	

Analysis Batch: 373142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	SM 4500 F C	

TestAmerica Chicago

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QC Association Summary

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

TestAmerica Job ID: 500-124079-1



General Chemistry (Continued)

Analysis Batch: 373142 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-2	MW-05	Total/NA	Water	SM 4500 F C	
MB 500-373142/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-373142/5	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 374123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-124079-2	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-124079-3	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-124079-4	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-124079-5	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-124079-6	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-124079-7	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-124079-8	Duplicate	Total/NA	Water	SM 4500 SO4 E	
500-124079-9	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-124079-10	MW-18	Total/NA	Water	SM 4500 SO4 E	
MB 500-374123/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-374123/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 374508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-11	MW-19	Total/NA	Water	SM 4500 SO4 E	
MB 500-374508/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-374508/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 374704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124079-3	MW-08	Total/NA	Water	SM 4500 F C	
500-124079-4	MW-09	Total/NA	Water	SM 4500 F C	
500-124079-5	MW-11	Total/NA	Water	SM 4500 F C	
500-124079-6	MW-12	Total/NA	Water	SM 4500 F C	
500-124079-7	MW-15	Total/NA	Water	SM 4500 F C	
500-124079-8	Duplicate	Total/NA	Water	SM 4500 F C	
500-124079-9	MW-17	Total/NA	Water	SM 4500 F C	
500-124079-10	MW-18	Total/NA	Water	SM 4500 F C	
500-124079-11	MW-19	Total/NA	Water	SM 4500 F C	
MB 500-374704/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-374704/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

QC Sample Results

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

TestAmerica Job ID: 500-124079-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-372697/1-A
Matrix: Water
Analysis Batch: 373077

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		02/20/17 08:26	02/21/17 20:56	1

Lab Sample ID: LCS 500-372697/2-A
Matrix: Water
Analysis Batch: 373077

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.505		mg/L		101	80 - 120

Lab Sample ID: 500-124079-10 MS
Matrix: Water
Analysis Batch: 373077

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	0.014		0.500	0.541		mg/L		105	75 - 125

Lab Sample ID: 500-124079-10 MSD
Matrix: Water
Analysis Batch: 373077

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	0.014		0.500	0.518		mg/L		101	75 - 125	4	20

Lab Sample ID: 500-124079-10 DU
Matrix: Water
Analysis Batch: 373077

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lithium	0.014		0.0118		mg/L		19	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-372697/1-A
Matrix: Water
Analysis Batch: 373234

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 08:26	02/22/17 14:40	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:40	1
Barium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 14:40	1
Beryllium	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:40	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:40	1
Calcium	<0.20		0.20		mg/L		02/20/17 08:26	02/22/17 14:40	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:40	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 08:26	02/22/17 14:40	1
Lead	<0.00050		0.00050		mg/L		02/20/17 08:26	02/22/17 14:40	1
Molybdenum	<0.0050		0.0050		mg/L		02/20/17 08:26	02/22/17 14:40	1
Selenium	<0.0025		0.0025		mg/L		02/20/17 08:26	02/22/17 14:40	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 08:26	02/22/17 14:40	1

TestAmerica Chicago

MWG13-15_61647
3/8/2017



QC Sample Results

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

TestAmerica Job ID: 500-124079-1

Lab Sample ID: MB 500-372697/1-A
Matrix: Water
Analysis Batch: 373471

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		02/20/17 08:26	02/24/17 12:26	1

Lab Sample ID: LCS 500-372697/2-A
Matrix: Water
Analysis Batch: 373234

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.518		mg/L		104	80 - 120
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	2.00	2.12		mg/L		106	80 - 120
Beryllium	0.0500	0.0491		mg/L		98	80 - 120
Cadmium	0.0500	0.0528		mg/L		106	80 - 120
Calcium	10.0	9.53		mg/L		95	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Cobalt	0.500	0.513		mg/L		103	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Molybdenum	1.00	0.959		mg/L		96	80 - 120
Selenium	0.100	0.105		mg/L		105	80 - 120
Thallium	0.100	0.104		mg/L		104	80 - 120

Lab Sample ID: LCS 500-372697/2-A
Matrix: Water
Analysis Batch: 373471

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 500-124079-10 MS
Matrix: Water
Analysis Batch: 373234

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.555		mg/L		111	75 - 125
Arsenic	<0.0010		0.100	0.114		mg/L		113	75 - 125
Barium	0.14		2.00	2.27		mg/L		106	75 - 125
Beryllium	<0.0010		0.0500	0.0504		mg/L		101	75 - 125
Cadmium	<0.00050		0.0500	0.0535		mg/L		107	75 - 125
Calcium	140		10.0	144	4	mg/L		12	75 - 125
Chromium	<0.0050		0.200	0.204		mg/L		102	75 - 125
Cobalt	<0.0010		0.500	0.500		mg/L		100	75 - 125
Lead	<0.00050		0.100	0.0999		mg/L		100	75 - 125
Molybdenum	0.0058		1.00	1.03		mg/L		102	75 - 125
Selenium	<0.0025		0.100	0.0946		mg/L		95	75 - 125
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125

Lab Sample ID: 500-124079-10 MS
Matrix: Water
Analysis Batch: 373471

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	0.56		1.00	1.61		mg/L		105	75 - 125

TestAmerica Chicago



QC Sample Results

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

TestAmerica Job ID: 500-124079-1



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

Lab Sample ID: 500-124079-10 MSD
Matrix: Water
Analysis Batch: 373234

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Prep Batch: 372697		
				Result	Qualifier				%Rec.	RPD	Limit
Antimony	<0.0030		0.500	0.529		mg/L		106	75 - 125	5	20
Arsenic	<0.0010		0.100	0.108		mg/L		107	75 - 125	6	20
Barium	0.14		2.00	2.17		mg/L		101	75 - 125	4	20
Beryllium	<0.0010		0.0500	0.0465		mg/L		93	75 - 125	8	20
Cadmium	<0.00050		0.0500	0.0504		mg/L		101	75 - 125	6	20
Calcium	140		10.0	141	4	mg/L		-18	75 - 125	2	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	5	20
Cobalt	<0.0010		0.500	0.466		mg/L		93	75 - 125	7	20
Lead	<0.00050		0.100	0.0952		mg/L		95	75 - 125	5	20
Molybdenum	0.0058		1.00	0.983		mg/L		98	75 - 125	5	20
Selenium	<0.0025		0.100	0.0893		mg/L		89	75 - 125	6	20
Thallium	<0.0020		0.100	0.0956		mg/L		96	75 - 125	5	20

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Lab Sample ID: 500-124079-10 MSD
Matrix: Water
Analysis Batch: 373471

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Prep Batch: 372697		
				Result	Qualifier				%Rec.	RPD	Limit
Boron	0.56		1.00	1.55		mg/L		99	75 - 125	4	20

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Lab Sample ID: 500-124079-10 DU
Matrix: Water
Analysis Batch: 373234

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.14		0.130		mg/L		9	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	140		132		mg/L		8	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.0058		0.00529		mg/L		9	20
Selenium	<0.0025		<0.0025		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

Lab Sample ID: 500-124079-10 DU
Matrix: Water
Analysis Batch: 373471

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Boron	0.56		0.521		mg/L		8	20

Client Sample ID: MW-18
Prep Type: Total Recoverable
Prep Batch: 372697

TestAmerica Chicago

MWG13-15_61649
3/8/2017

QC Sample Results

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

TestAmerica Job ID: 500-124079-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-372759/12-A
Matrix: Water
Analysis Batch: 372932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372759

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	Result	Qualifier	0.00020	0.00020	mg/L		02/20/17 12:00	02/21/17 11:18	1

Lab Sample ID: LCS 500-372759/13-A
Matrix: Water
Analysis Batch: 372932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372759

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Mercury	Added	Result	Qualifier	mg/L		103	80 - 120
	0.00200	0.00206					

Lab Sample ID: 500-124079-1 MS
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 372759

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/L		103	75 - 125
	<0.00020		0.00100	0.00103					

Lab Sample ID: 500-124079-1 MSD
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 372759

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	RPD	Limit
Mercury	Result	Qualifier	Added	Result	Qualifier	mg/L		90	75 - 125	13	20	
	<0.00020		0.00100	0.000904								

Lab Sample ID: 500-124079-1 DU
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Total/NA
Prep Batch: 372759

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

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

Lab Sample ID: MB 500-372676/1
Matrix: Water
Analysis Batch: 372676

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	Result	Qualifier	10		mg/L			02/20/17 03:50	1
	<10								

Lab Sample ID: LCS 500-372676/2
Matrix: Water
Analysis Batch: 372676

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
Total Dissolved Solids	Added	Result	Qualifier	mg/L		117	80 - 120
	250	292					

TestAmerica Chicago

MWG13-15_61650
3/8/2017

QC Sample Results

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

TestAmerica Job ID: 500-124079-1

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

Lab Sample ID: 500-124079-1 DU
Matrix: Water
Analysis Batch: 372676

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	550		536		mg/L		2	5

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-372668/4
Matrix: Water
Analysis Batch: 372668

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/19/17 20:48	1

Lab Sample ID: LCS 500-372668/5
Matrix: Water
Analysis Batch: 372668

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	50.4		mg/L		101	80 - 120

Lab Sample ID: 500-124079-5 MS
Matrix: Water
Analysis Batch: 372668

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	110		50.0	152		mg/L		86	75 - 125

Lab Sample ID: 500-124079-5 MSD
Matrix: Water
Analysis Batch: 372668

Client Sample ID: MW-11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	110		50.0	152		mg/L		84	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-373142/4
Matrix: Water
Analysis Batch: 373142

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/22/17 13:14	1

Lab Sample ID: LCS 500-373142/5
Matrix: Water
Analysis Batch: 373142

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	9.74		mg/L		97	80 - 120

TestAmerica Chicago

MWG13-15_61651
3/8/2017



QC Sample Results

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

TestAmerica Job ID: 500-124079-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: MB 500-374704/3
Matrix: Water
Analysis Batch: 374704

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			03/04/17 19:03	1

Lab Sample ID: LCS 500-374704/4
Matrix: Water
Analysis Batch: 374704

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	10.3		mg/L		103	80 - 120

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-374123/3
Matrix: Water
Analysis Batch: 374123

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			03/02/17 07:06	1

Lab Sample ID: LCS 500-374123/4
Matrix: Water
Analysis Batch: 374123

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	20.4		mg/L		102	80 - 120

Lab Sample ID: MB 500-374508/3
Matrix: Water
Analysis Batch: 374508

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			03/06/17 04:52	1

Lab Sample ID: LCS 500-374508/4
Matrix: Water
Analysis Batch: 374508

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	19.9		mg/L		99	80 - 120

Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-01
Date Collected: 02/14/17 14:55
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21 03	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 14 47	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373471	02/24/17 13 13	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12 00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11 21	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04 02	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	372668	02/19/17 20 52	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	373142	02/22/17 14 23	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	374123		CLB	TAL CHI
						(Start) 03/02/17 07 18		
						(End) 03/02/17 07 19		

Client Sample ID: MW-05
Date Collected: 02/14/17 13:20
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21 07	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 14 51	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373471	02/24/17 13 17	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12 00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11 30	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04 07	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	372668	02/19/17 20 53	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	373142	02/22/17 14 25	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374123		CLB	TAL CHI
						(Start) 03/02/17 07 19		
						(End) 03/02/17 07 20		

Client Sample ID: MW-08
Date Collected: 02/16/17 15:56
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21 10	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI

TestAmerica Chicago

MWG13-15_61653
3/8/2017



Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-08
Date Collected: 02/16/17 15:56
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	373234	02/22/17 14:55	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		5	373471	02/24/17 13:21	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:32	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:10	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		25	372668	02/19/17 21:29	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:07	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374123		CLB	TAL CHI
						(Start) 03/02/17 07:20		
						(End) 03/02/17 07:21		

Client Sample ID: MW-09
Date Collected: 02/15/17 11:28
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:15	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 14:58	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		10	373471	02/24/17 13:24	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:33	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:12	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	372668	02/19/17 20:57	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:12	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374123		CLB	TAL CHI
						(Start) 03/02/17 07:21		
						(End) 03/02/17 07:22		

Client Sample ID: MW-11
Date Collected: 02/16/17 10:18
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:18	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15:02	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		5	373471	02/24/17 13:28	FXG	TAL CHI

TestAmerica Chicago

MWG13-15_61654

3/8/2017



Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-11
Date Collected: 02/16/17 10:18
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:35	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:15	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	372668	02/19/17 21:29	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:16	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374123		CLB	TAL CHI
						(Start) 03/02/17 07:22		
						(End) 03/02/17 07:23		

Client Sample ID: MW-12
Date Collected: 02/16/17 11:55
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:22	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15:06	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373471	02/24/17 13:32	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:36	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:17	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	372668	02/19/17 20:59	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:19	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	374123		CLB	TAL CHI
						(Start) 03/02/17 07:23		
						(End) 03/02/17 07:24		

Client Sample ID: MW-15
Date Collected: 02/17/17 13:08
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:26	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15:10	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		5	373471	02/24/17 13:36	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:38	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:20	CLB	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-15
Date Collected: 02/17/17 13:08
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-7
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	372668	02/19/17 20:59	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:22	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	374123		CLB	TAL CHI
						(Start) 03/02/17 07:24		
						(End) 03/02/17 07:25		

Client Sample ID: Duplicate
Date Collected: 02/15/17 00:00
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:30	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15:13	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		10	373471	02/24/17 13:39	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:39	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:23	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	372668	02/19/17 21:00	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:25	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374123		CLB	TAL CHI
						(Start) 03/02/17 07:25		
						(End) 03/02/17 07:26		

Client Sample ID: MW-17
Date Collected: 02/13/17 15:47
Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21:41	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15:25	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08:26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		5	373471	02/24/17 13:51	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11:41	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04:25	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	372668	02/19/17 21:00	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19:28	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_61656

3/8/2017

Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Client Sample ID: MW-17

Date Collected: 02/13/17 15:47

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-9

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		40	374123	03/02/17 07 26 (Start) 03/02/17 07 27 (End)	CLB	TAL CHI

Client Sample ID: MW-18

Date Collected: 02/15/17 15:26

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 21 45	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15 28	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373471	02/24/17 13 55	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12 00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11 45	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04 28	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	372668	02/19/17 21 01	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19 41	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	374123	03/02/17 07 27 (Start) 03/02/17 07 28 (End)	CLB	TAL CHI

Client Sample ID: MW-19

Date Collected: 02/15/17 13:26

Date Received: 02/17/17 19:50

Lab Sample ID: 500-124079-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	373077	02/21/17 22 04	PJ1	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	373234	02/22/17 15 47	FXG	TAL CHI
Total Recoverable	Prep	3005A			372697	02/20/17 08 26	JEF	TAL CHI
Total Recoverable	Analysis	6020A		10	373471	02/24/17 14 13	FXG	TAL CHI
Total/NA	Prep	7470A			372759	02/20/17 12 00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	372932	02/21/17 11 47	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	372676	02/20/17 04 30	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	372668	02/19/17 21 03	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	374704	03/04/17 19 44	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	374508	03/06/17 04 54 (Start) 03/06/17 04 55 (End)	CLB	TAL CHI

TestAmerica Chicago

MWG13-15_61657
3/8/2017

Lab Chronicle

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

TestAmerica Job ID: 500-124079-1

Laboratory References:

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



Certification Summary

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

TestAmerica Job ID: 500-124079-1

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 *



* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chci
2417 Bond St
University Park, IL
708-534-5200
Fax: 708-534-5211 500-124079 COC



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

Bill To:
Contact:
Company:
Address:
Phone:
Email:
PO #:

Lab Lot # 500-124079
Package Sealed Yes No
Repacked on Ice Yes No
Temperature of Cooler 21.0/21.2/21.9
W/with Hold Time Yes No
pH Check OK Yes No
Sample Labels and COC Agree Yes No
COC not present Yes No
Samples Sealed Yes No
Samples Intact Yes No
Preserv. Indicated Yes No N/A
Res Cl₂ Check OK Yes No N/A

Sampler Name: Ian John Howleson
Project Name: Quarterly - Powertron CCR
Project Location: Pekin, IL
Lab PM: Eric Lang
COMPANY: KPRG & Associates Inc.
TestAmerica Project Number: 50011612
TAT: 15 Days
Matrix:
of Cont:
Volume:
Preserv.:

Laboratory ID	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Cont	903.0, 904.0 Radium 228/228	6010C, 6020A, 7470A - Total Metals	2540C -TDS	4500_F_C - Fluoride	SM4500_Cl_E Chloride	SM4500_SO4_E - Sulfate	Additional Analyses / Remarks
MSD	MMW-01	2-14-17	14:55		5	X	X	X	X	X	X	
	MMW-05	2-14-17	13:20		5	X	X	X	X	X	X	
	MMW-08	2-16-17	15:56		5	X	X	X	X	X	X	
	MMW-09	2-15-17	11:28		5	X	X	X	X	X	X	
	MMW-11	2-16-17	10:18		5	X	X	X	X	X	X	
	MMW-12	2-16-17	11:55		5	X	X	X	X	X	X	
	MMW-15	2-14-17	13:08		5	X	X	X	X	X	X	
	Duplicates	2-15-17			5	X	X	X	X	X	X	

REINQUISHED BY: [Signature]
COMPANY: KPRG
DATE: 2-17-17
TIME: 19:50
RECEIVED BY: [Signature]
COMPANY: TIA
DATE: 2/17/17
TIME: 19:50

Matrix Key:
 WW = Wastewater SE = Sediment
 W = Water SO = Solid
 S = Soil DL = Drum Liquid
 SL = Sludge DS = Drum Solid
 MS = Miscellaneous L = Leachate
 OL = Oil W = Wipe
 A = Air O = Other

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

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

COMMENTS:
 Date Received: _____
 Courier: _____
 Hand Delivered:
 Bill of Lading: _____

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Chicago

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

Report To:

Contact: Richard Gnat
Company: KPRG and Associates, Inc
Address: 14085 W. Lisbon Rd., Suite 2B
Brookfield, WI 53005
Phone: 262-781-0475
Email: richardg@kprginc.com

Bill To:

Contact: [Blank]
Company: [Blank]
Address: [Blank]
Phone: [Blank]
Email: [Blank]
PO #: [Blank]

Lab Lot # 500-124079

Package Sealed: Yes No
Samples Sealed: Yes No
Received on Ice: Yes No
Samples Intact: Yes No
Temperature °C of Cooler: Yes No N/A

Sampler Name: Ian John Howleson
Project Name: Quarry-Powerton CCR
Project Location: Pekin, IL
Lab P#: Eric Lang
Company: KPRG & Associates Inc.
TestAmerica Project Number: 50011612
TAT: 15 Days
Matrix: [Blank]
of Cont: [Blank]

Laboratory ID	Client Sample ID	Sampling Date	Sampling Time	Matrix	# of Cont	903.0, 904.0 Radium 226/228	6010C, 6020A, 7470A - Total Metals	2540C -TDS	4500_F_C - Fluoride	SM4500_Cl_E Chloride	SM4600_SO4_E - Sulfate	Additional Analytes / Remarks
9	MMW-17	2-13-17	15:47	W	5	X	X	X	X	X	X	
	MMW-18	2-15-17	15:26	W	5	X	X	X	X	X	X	
	MMW-19	2-15-17	13:26	W	5	X	X	X	X	X	X	

REINQUISHED BY: [Signature]
COMPANY: KPRG
DATE: 2-17-17
TIME: 14:50
RECEIVED BY: [Signature]
COMPANY: [Blank]
DATE: [Blank]
TIME: [Blank]

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

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

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

COMMENTS:

Date Received: [Blank]
Counter: [Blank]
Hand Delivered:
Bill of Lading: [Blank]

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-124079-1

Login Number: 124079

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,3.1,2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

