

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: 500-115969-1
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:
8/31/2016 3:50:24 PM

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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_58853

COMP. Ex. 211 H

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Case Narrative

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

TestAmerica Job ID: 500-115969-1

Job ID: 500-115969-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-115969-1

Comments

No additional comments.

Receipt

The samples were received on 8/19/2016 6:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.3° C, 3.7° C and 4.6° C.

Metals

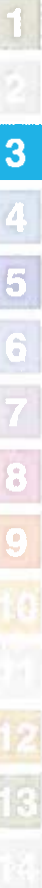
Method(s) 6020A: The internal standard Terbium(Tb) was used to report the elements Lead(Pb) and Thallium (Tl). This is because the LCS was spiked with ICP spike which contains Bismuth (Bi).

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

General Chemistry

Method(s) SM 4500 Cl- E: The Chloride matrix spike (MS) recovery for sample MW-15 (500-115969-7) in analytical batch 500-348761 was outside control limits. The associated matrix spike duplicate (MSD) and the laboratory control sample (LCS) recoveries were within acceptance limits.

No additional 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: 500-115969-1

Client Sample ID: MW-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0014		0.0010		mg/L	1		6020A	Total
Barium	0.048		0.0025		mg/L	1		6020A	Recoverable
Boron	0.27		0.050		mg/L	1		6020A	Total
Calcium	78		0.20		mg/L	1		6020A	Recoverable
Lead	0.0014		0.00050		mg/L	1		6020A	Total
Molybdenum	0.0057		0.0050		mg/L	1		6020A	Recoverable
Total Dissolved Solids	530		10		mg/L	1		SM 2540C	Total/NA
Chloride	39		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.25		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	50		20		mg/L	4		SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-1

Client Sample ID: MW-05

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.060		0.0025		mg/L	1		6020A	Total
Boron	0.69		0.050		mg/L	1		6020A	Recoverable
Calcium	110		0.20		mg/L	1		6020A	Total
Total Dissolved Solids	830		10		mg/L	1		SM 2540C	Recoverable
Chloride	97		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.30		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	150		50		mg/L	10		SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-2

Client Sample ID: MW-08

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.023		0.010		mg/L	1		6010C	Total
Arsenic	0.0032		0.0010		mg/L	1		6020A	Recoverable
Barium	0.15		0.0025		mg/L	1		6020A	Total
Boron	0.96		0.050		mg/L	1		6020A	Recoverable
Calcium	150		0.20		mg/L	1		6020A	Total
Molybdenum	0.013		0.0050		mg/L	1		6020A	Recoverable
Total Dissolved Solids	1400		10		mg/L	1		SM 2540C	Total/NA
Chloride	230		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.35		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	360		100		mg/L	20		SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-3

Client Sample ID: MW-09

Lab Sample ID: 500-115969-4

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: 500-115969-1

Client Sample ID: MW-09 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.031		0.0025		mg/L	1		6020A	Total Recoverable
Boron	2.7		0.050		mg/L	1		6020A	Total Recoverable
Calcium	74		0.20		mg/L	1		6020A	Total Recoverable
Molybdenum	0.036		0.0050		mg/L	1		6020A	Total Recoverable
Total Dissolved Solids	750		10		mg/L	1		SM 2540C	Total/NA
Chloride	39		2.0		mg/L	1		SM 4500 Cl- E	Total/NA
Fluoride	0.15		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	120		50		mg/L	10		SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-4

Client Sample ID: MW-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.29	F1	0.0010		mg/L	1		6020A	Total Recoverable
Barium	1.4		0.0025		mg/L	1		6020A	Total Recoverable
Boron	1.0		0.050		mg/L	1		6020A	Total Recoverable
Calcium	130		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0034		0.0010		mg/L	1		6020A	Total Recoverable
Lead	0.0010		0.00050		mg/L	1		6020A	Total Recoverable
Molybdenum	0.011		0.0050		mg/L	1		6020A	Total Recoverable
Total Dissolved Solids	910		10		mg/L	1		SM 2540C	Total/NA
Chloride	93		10		mg/L	5		SM 4500 Cl- E	Total/NA
Fluoride	0.67		0.10		mg/L	1		SM 4500 F C	Total/NA
Sulfate	180		50		mg/L	10		SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-5

Client Sample ID: MW-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.015		0.010		mg/L	1		6010C	Total Recoverable
Arsenic	0.33		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.88		0.0025		mg/L	1		6020A	Total Recoverable
Beryllium	0.0013		0.0010		mg/L	1		6020A	Total Recoverable
Boron	0.69		0.050		mg/L	1		6020A	Total Recoverable
Cadmium	0.0070		0.00050		mg/L	1		6020A	Total Recoverable
Calcium	170		0.20		mg/L	1		6020A	Total Recoverable
Cobalt	0.0010		0.0010		mg/L	1		6020A	Total Recoverable

Lab Sample ID: 500-115969-6

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: 500-115969-1

Client Sample ID: MW-12 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.0011		0.00050		mg/L		1	6020A	Total Recoverable
Molybdenum	0.011		0.0050		mg/L		1	6020A	Total Recoverable
Total Dissolved Solids	1600		10		mg/L		1	SM 2540C	Total/NA
Chloride	200		10		mg/L		5	SM 4500 Cl- E	Total/NA
Fluoride	0.49		0.10		mg/L		1	SM 4500 F C	Total/NA
Sulfate	620		130		mg/L		25	SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-6

Client Sample ID: MW-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lithium	0.028		0.010		mg/L		1	6010C	Total Recoverable
Arsenic	0.13		0.0010		mg/L		1	6020A	Total Recoverable
Barium	0.11		0.0025		mg/L		1	6020A	Total Recoverable
Boron	1.5		0.050		mg/L		1	6020A	Total Recoverable
Cadmium	0.0041		0.00050		mg/L		1	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	0.0061		0.0025		mg/L		1	6020A	Total Recoverable
Total Dissolved Solids	1900		10		mg/L		1	SM 2540C	Total/NA
Chloride	170	F1	10		mg/L		5	SM 4500 Cl- E	Total/NA
Fluoride	0.54		0.10		mg/L		1	SM 4500 F C	Total/NA
Sulfate	660		250		mg/L		50	SM 4500 SO4 E	Total/NA

Lab Sample ID: 500-115969-7

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 Recoverable
Arsenic	0.34		0.0010		mg/L		1	6020A	Total Recoverable
Barium	0.12		0.0025		mg/L		1	6020A	Total Recoverable
Boron	1.1		0.050		mg/L		1	6020A	Total Recoverable
Cadmium	0.0010		0.00050		mg/L		1	6020A	Total Recoverable
Calcium	220		0.20		mg/L		1	6020A	Total Recoverable
Cobalt	0.0016		0.0010		mg/L		1	6020A	Total Recoverable
Molybdenum	0.10		0.0050		mg/L		1	6020A	Total Recoverable
Thallium	0.0031		0.0020		mg/L		1	6020A	Total Recoverable
Total Dissolved Solids	2100		10		mg/L		1	SM 2540C	Total/NA

Lab Sample ID: 500-115969-8

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: 500-115969-1

Client Sample ID: MW-17 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit
Chloride	220		10		mg/L
Fluoride	0.60		0.10		mg/L
Sulfate	860		250		mg/L

Lab Sample ID: 500-115969-8

Dil Fac	D	Method	Prep Type
5		SM 4500 Cl- E	Total/NA
1		SM 4500 F C	Total/NA
50		SM 4500 SO4 E	Total/NA

Client Sample ID: MW-18

Analyte	Result	Qualifier	RL	MDL	Unit
Lithium	0.012		0.010		mg/L
Barium	0.14		0.0025		mg/L
Boron	0.67		0.050		mg/L
Calcium	130		0.20		mg/L
Molybdenum	0.0059		0.0050		mg/L
Total Dissolved Solids	1300		10		mg/L
Chloride	210		10		mg/L
Fluoride	0.64		0.10		mg/L
Sulfate	330		100		mg/L

Lab Sample ID: 500-115969-9

Dil Fac	D	Method	Prep Type
1		6010C	Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		SM 2540C	Total/NA
5		SM 4500 Cl- E	Total/NA
1		SM 4500 F C	Total/NA
20		SM 4500 SO4 E	Total/NA

Client Sample ID: Duplicates

Analyte	Result	Qualifier	RL	MDL	Unit
Barium	0.053		0.0025		mg/L
Boron	0.30		0.050		mg/L
Calcium	87		0.20		mg/L
Lead	0.0014		0.00050		mg/L
Total Dissolved Solids	510		10		mg/L
Chloride	39		2.0		mg/L
Fluoride	0.24		0.10		mg/L
Sulfate	53		10		mg/L

Lab Sample ID: 500-115969-10

Dil Fac	D	Method	Prep Type
1		6020A	Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		6020A	Recoverable Total
1		SM 2540C	Total/NA
1		SM 4500 Cl- E	Total/NA
1		SM 4500 F C	Total/NA
2		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: 500-115969-1

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: 500-115969-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-115969-1	MW-01	Water	08/17/16 16:09	08/19/16 18:10
500-115969-2	MW-05	Water	08/16/16 13:59	08/19/16 18:10
500-115969-3	MW-08	Water	08/17/16 10:25	08/19/16 18:10
500-115969-4	MW-09	Water	08/17/16 12:04	08/19/16 18:10
500-115969-5	MW-11	Water	08/17/16 13:52	08/19/16 18:10
500-115969-6	MW-12	Water	08/18/16 11:22	08/19/16 18:10
500-115969-7	MW-15	Water	08/18/16 15:55	08/19/16 18:10
500-115969-8	MW-17	Water	08/15/16 17:43	08/19/16 18:10
500-115969-9	MW-18	Water	08/15/16 16:46	08/19/16 18:10
500-115969-10	Duplicates	Water	08/17/16 00:00	08/19/16 18:10



Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-01

Date Collected: 08/17/16 16:09

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-1

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		08/20/16 10:56	08/23/16 14:40	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		08/20/16 10:56	08/22/16 19:18	1
Arsenic	0.0014		0.0010		mg/L		08/20/16 10:56	08/22/16 19:18	1
Barium	0.048		0.0025		mg/L		08/20/16 10:56	08/22/16 19:18	1
Beryllium	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:18	1
Boron	0.27		0.050		mg/L		08/20/16 10:56	08/22/16 19:18	1
Cadmium	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:18	1
Calcium	78		0.20		mg/L		08/20/16 10:56	08/23/16 11:39	1
Chromium	<0.0050		0.0050		mg/L		08/20/16 10:56	08/22/16 19:18	1
Cobalt	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:18	1
Lead	0.0014		0.00050		mg/L		08/20/16 10:56	08/22/16 19:18	1
Molybdenum	0.0057		0.0050		mg/L		08/20/16 10:56	08/23/16 11:39	1
Selenium	<0.0025		0.0025		mg/L		08/20/16 10:56	08/22/16 19:18	1
Thallium	<0.0020		0.0020		mg/L		08/20/16 10:56	08/22/16 19:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	530		10		mg/L			08/22/16 04:47	1
Chloride	39		2.0		mg/L			08/21/16 22:29	1
Fluoride	0.25		0.10		mg/L			08/26/16 13:49	1
Sulfate	50		20		mg/L			08/31/16 07:19	4

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-05

Date Collected: 08/16/16 13:59

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-2

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		08/20/16 10:56	08/23/16 14:44	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		08/20/16 10:56	08/22/16 19:22	1
Arsenic	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:22	1
Barium	0.060		0.0025		mg/L		08/20/16 10:56	08/22/16 19:22	1
Beryllium	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:22	1
Boron	0.69		0.050		mg/L		08/20/16 10:56	08/22/16 19:22	1
Cadmium	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:22	1
Calcium	110		0.20		mg/L		08/20/16 10:56	08/23/16 11:42	1
Chromium	<0.0050		0.0050		mg/L		08/20/16 10:56	08/22/16 19:22	1
Cobalt	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:22	1
Lead	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:22	1
Molybdenum	<0.0050		0.0050		mg/L		08/20/16 10:56	08/23/16 11:42	1
Selenium	<0.0025		0.0025		mg/L		08/20/16 10:56	08/22/16 19:22	1
Thallium	<0.0020		0.0020		mg/L		08/20/16 10:56	08/22/16 19:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	830		10		mg/L			08/22/16 04:50	1
Chloride	97		10		mg/L			08/21/16 22:30	5
Fluoride	0.30		0.10		mg/L			08/26/16 13:51	1
Sulfate	150		50		mg/L			08/31/16 07:20	10

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-08

Date Collected: 08/17/16 10:25

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.023		0.010		mg/L		08/20/16 10:56	08/23/16 14:48	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		08/20/16 10:56	08/22/16 19:25	1
Arsenic	0.0032		0.0010		mg/L		08/20/16 10:56	08/22/16 19:25	1
Barium	0.15		0.0025		mg/L		08/20/16 10:56	08/22/16 19:25	1
Beryllium	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:25	1
Boron	0.96		0.050		mg/L		08/20/16 10:56	08/22/16 19:25	1
Cadmium	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:25	1
Calcium	150		0.20		mg/L		08/20/16 10:56	08/23/16 11:46	1
Chromium	<0.0050		0.0050		mg/L		08/20/16 10:56	08/22/16 19:25	1
Cobalt	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:25	1
Lead	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:25	1
Molybdenum	0.013		0.0050		mg/L		08/20/16 10:56	08/23/16 11:46	1
Selenium	<0.0025		0.0025		mg/L		08/20/16 10:56	08/22/16 19:25	1
Thallium	<0.0020		0.0020		mg/L		08/20/16 10:56	08/22/16 19:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1400		10		mg/L			08/22/16 04:53	1
Chloride	230		10		mg/L			08/21/16 22:30	5
Fluoride	0.35		0.10		mg/L			08/26/16 13:54	1
Sulfate	360		100		mg/L			08/31/16 07:21	20

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-09

Date Collected: 08/17/16 12:04

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-4

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		08/20/16 10:56	08/23/16 14:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/20/16 10:56	08/22/16 19:29	1
Arsenic	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:29	1
Barium	0.031		0.0025		mg/L		08/20/16 10:56	08/22/16 19:29	1
Beryllium	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:29	1
Boron	2.7		0.050		mg/L		08/20/16 10:56	08/22/16 19:29	1
Cadmium	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:29	1
Calcium	74		0.20		mg/L		08/20/16 10:56	08/23/16 11:57	1
Chromium	<0.0050		0.0050		mg/L		08/20/16 10:56	08/22/16 19:29	1
Cobalt	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:29	1
Lead	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:29	1
Molybdenum	0.036		0.0050		mg/L		08/20/16 10:56	08/23/16 11:57	1
Selenium	<0.0025		0.0025		mg/L		08/20/16 10:56	08/22/16 19:29	1
Thallium	<0.0020		0.0020		mg/L		08/20/16 10:56	08/22/16 19:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	750		10		mg/L			08/22/16 04:56	1
Chloride	39		2.0		mg/L			08/21/16 22:31	1
Fluoride	0.15		0.10		mg/L			08/26/16 13:56	1
Sulfate	120		50		mg/L			08/31/16 07:22	10

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-11

Date Collected: 08/17/16 13:52

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-5

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		08/20/16 10:56	08/23/16 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/20/16 10:56	08/22/16 19:33	1
Arsenic	0.29	F1	0.0010		mg/L		08/20/16 10:56	08/22/16 19:33	1
Barium	1.4		0.0025		mg/L		08/20/16 10:56	08/22/16 19:33	1
Beryllium	<0.0010		0.0010		mg/L		08/20/16 10:56	08/22/16 19:33	1
Boron	1.0		0.050		mg/L		08/20/16 10:56	08/22/16 19:33	1
Cadmium	<0.00050		0.00050		mg/L		08/20/16 10:56	08/22/16 19:33	1
Calcium	130		0.20		mg/L		08/20/16 10:56	08/23/16 12:01	1
Chromium	<0.0050		0.0050		mg/L		08/20/16 10:56	08/22/16 19:33	1
Cobalt	0.0034		0.0010		mg/L		08/20/16 10:56	08/22/16 19:33	1
Lead	0.0010		0.00050		mg/L		08/20/16 10:56	08/22/16 19:33	1
Molybdenum	0.011		0.0050		mg/L		08/20/16 10:56	08/23/16 12:01	1
Selenium	<0.0025		0.0025		mg/L		08/20/16 10:56	08/22/16 19:33	1
Thallium	<0.0020		0.0020		mg/L		08/20/16 10:56	08/22/16 19:33	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	910		10		mg/L			08/22/16 05:00	1
Chloride	93		10		mg/L			08/21/16 22:31	5
Fluoride	0.67		0.10		mg/L			08/26/16 13:59	1
Sulfate	180		50		mg/L			08/31/16 07:25	10

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-12

Date Collected: 08/18/16 11:22

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.015		0.010		mg/L		08/21/16 10:18	08/23/16 15:37	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		08/21/16 10:18	08/22/16 13:40	1
Arsenic	0.33		0.0010		mg/L		08/21/16 10:18	08/22/16 13:40	1
Barium	0.88		0.0025		mg/L		08/21/16 10:18	08/22/16 13:40	1
Beryllium	0.0013		0.0010		mg/L		08/21/16 10:18	08/22/16 13:40	1
Boron	0.69		0.050		mg/L		08/21/16 10:18	08/25/16 18:19	1
Cadmium	0.0070		0.00050		mg/L		08/21/16 10:18	08/22/16 13:40	1
Calcium	170		0.20		mg/L		08/21/16 10:18	08/22/16 13:40	1
Chromium	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 13:40	1
Cobalt	0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:40	1
Lead	0.0011		0.00050		mg/L		08/21/16 10:18	08/22/16 13:40	1
Molybdenum	0.011		0.0050		mg/L		08/21/16 10:18	08/23/16 12:55	1
Selenium	<0.0025		0.0025		mg/L		08/21/16 10:18	08/22/16 13:40	1
Thallium	<0.0020		0.0020		mg/L		08/21/16 10:18	08/22/16 13:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1600		10		mg/L			08/22/16 05:03	1
Chloride	200		10		mg/L			08/21/16 22:34	5
Fluoride	0.49		0.10		mg/L			08/26/16 14:01	1
Sulfate	620		130		mg/L			08/31/16 07:26	25

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-15

Date Collected: 08/18/16 15:55

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.028		0.010		mg/L		08/21/16 10:18	08/23/16 15:42	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		08/21/16 10:18	08/22/16 13:44	1
Arsenic	0.13		0.0010		mg/L		08/21/16 10:18	08/22/16 13:44	1
Barium	0.11		0.0025		mg/L		08/21/16 10:18	08/22/16 13:44	1
Beryllium	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:44	1
Boron	1.5		0.050		mg/L		08/21/16 10:18	08/25/16 18:23	1
Cadmium	0.0041		0.00050		mg/L		08/21/16 10:18	08/22/16 13:44	1
Calcium	200		0.20		mg/L		08/21/16 10:18	08/22/16 13:44	1
Chromium	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 13:44	1
Cobalt	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:44	1
Lead	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 13:44	1
Molybdenum	0.027		0.0050		mg/L		08/21/16 10:18	08/23/16 12:59	1
Selenium	0.0061		0.0025		mg/L		08/21/16 10:18	08/22/16 13:44	1
Thallium	<0.0020		0.0020		mg/L		08/21/16 10:18	08/22/16 13:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1900		10		mg/L			08/22/16 05:06	1
Chloride	170	F1	10		mg/L			08/21/16 22:34	5
Fluoride	0.54		0.10		mg/L			08/26/16 14:04	1
Sulfate	660		250		mg/L			08/31/16 07:27	50

TestAmerica Chicago

MWG13-15_58868
8/31/2016

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-17

Date Collected: 08/15/16 17:43

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-8

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		08/21/16 10:18	08/23/16 15:48	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		08/21/16 10:18	08/22/16 13:48	1
Arsenic	0.34		0.0010		mg/L		08/21/16 10:18	08/22/16 13:48	1
Barium	0.12		0.0025		mg/L		08/21/16 10:18	08/22/16 13:48	1
Beryllium	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:48	1
Boron	1.1		0.050		mg/L		08/21/16 10:18	08/25/16 18:27	1
Cadmium	0.0010		0.00050		mg/L		08/21/16 10:18	08/22/16 13:48	1
Calcium	220		0.20		mg/L		08/21/16 10:18	08/22/16 13:48	1
Chromium	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 13:48	1
Cobalt	0.0016		0.0010		mg/L		08/21/16 10:18	08/22/16 13:48	1
Lead	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 13:48	1
Molybdenum	0.10		0.0050		mg/L		08/21/16 10:18	08/23/16 13:03	1
Selenium	<0.0025		0.0025		mg/L		08/21/16 10:18	08/22/16 13:48	1
Thallium	0.0031		0.0020		mg/L		08/21/16 10:18	08/22/16 13:48	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	2100		10		mg/L			08/22/16 05:09	1
Chloride	220		10		mg/L			08/21/16 22:36	5
Fluoride	0.60		0.10		mg/L			08/26/16 14:15	1
Sulfate	860		250		mg/L			08/31/16 07:28	50

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-18
Date Collected: 08/15/16 16:46
Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		08/21/16 10:18	08/23/16 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/21/16 10:18	08/22/16 13:51	1
Arsenic	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:51	1
Barium	0.14		0.0025		mg/L		08/21/16 10:18	08/22/16 13:51	1
Beryllium	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:51	1
Boron	0.67		0.050		mg/L		08/21/16 10:18	08/25/16 18:30	1
Cadmium	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 13:51	1
Calcium	130		0.20		mg/L		08/21/16 10:18	08/22/16 13:51	1
Chromium	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 13:51	1
Cobalt	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 13:51	1
Lead	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 13:51	1
Molybdenum	0.0059		0.0050		mg/L		08/21/16 10:18	08/22/16 13:51	1
Selenium	<0.0025		0.0025		mg/L		08/21/16 10:18	08/22/16 13:51	1
Thallium	<0.0020		0.0020		mg/L		08/21/16 10:18	08/22/16 13:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			08/22/16 05:12	1
Chloride	210		10		mg/L			08/21/16 22:36	5
Fluoride	0.64		0.10		mg/L			08/26/16 14:18	1
Sulfate	330		100		mg/L			08/31/16 07:29	20

Client Sample Results

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: Duplicates

Date Collected: 08/17/16 00:00

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-10

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		08/21/16 10:18	08/23/16 15:57	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		08/21/16 10:18	08/22/16 14:03	1
Arsenic	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 14:03	1
Barium	0.053		0.0025		mg/L		08/21/16 10:18	08/22/16 14:03	1
Beryllium	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 14:03	1
Boron	0.30		0.050		mg/L		08/21/16 10:18	08/25/16 18:34	1
Cadmium	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 14:03	1
Calcium	87		0.20		mg/L		08/21/16 10:18	08/22/16 14:03	1
Chromium	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 14:03	1
Cobalt	<0.0010		0.0010		mg/L		08/21/16 10:18	08/22/16 14:03	1
Lead	0.0014		0.00050		mg/L		08/21/16 10:18	08/22/16 14:03	1
Molybdenum	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 14:03	1
Selenium	<0.0025		0.0025		mg/L		08/21/16 10:18	08/22/16 14:03	1
Thallium	<0.0020		0.0020		mg/L		08/21/16 10:18	08/22/16 14:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 10:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	510		10		mg/L			08/22/16 05:15	1
Chloride	39		2.0		mg/L			08/21/16 22:59	1
Fluoride	0.24		0.10		mg/L			08/26/16 14:20	1
Sulfate	53		10		mg/L			08/31/16 07:30	2

Definitions/Glossary

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

TestAmerica Job ID: 500-115969-1



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.
F1	MS and/or MSD Recovery is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.

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: 500-115969-1



Metals

Prep Batch: 348593

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total Recoverable	Water	3005A	
500-115969-2	MW-05	Total Recoverable	Water	3005A	
500-115969-3	MW-08	Total Recoverable	Water	3005A	
500-115969-4	MW-09	Total Recoverable	Water	3005A	
500-115969-5	MW-11	Total Recoverable	Water	3005A	
MB 500-348593/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-348593/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-115969-5 MS	MW-11	Total Recoverable	Water	3005A	
500-115969-5 MSD	MW-11	Total Recoverable	Water	3005A	
500-115969-5 DU	MW-11	Total Recoverable	Water	3005A	

Prep Batch: 348625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-6	MW-12	Total Recoverable	Water	3005A	
500-115969-7	MW-15	Total Recoverable	Water	3005A	
500-115969-8	MW-17	Total Recoverable	Water	3005A	
500-115969-9	MW-18	Total Recoverable	Water	3005A	
500-115969-10	Duplicates	Total Recoverable	Water	3005A	
MB 500-348625/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-348625/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-115969-10 MS	Duplicates	Total Recoverable	Water	3005A	
500-115969-10 MSD	Duplicates	Total Recoverable	Water	3005A	
500-115969-10 DU	Duplicates	Total Recoverable	Water	3005A	

Prep Batch: 348628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	7470A	
500-115969-2	MW-05	Total/NA	Water	7470A	
500-115969-3	MW-08	Total/NA	Water	7470A	
500-115969-4	MW-09	Total/NA	Water	7470A	
500-115969-5	MW-11	Total/NA	Water	7470A	
500-115969-6	MW-12	Total/NA	Water	7470A	
500-115969-7	MW-15	Total/NA	Water	7470A	
500-115969-8	MW-17	Total/NA	Water	7470A	
500-115969-9	MW-18	Total/NA	Water	7470A	
500-115969-10	Duplicates	Total/NA	Water	7470A	
MB 500-348628/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-348628/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 348722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	7470A	348628
500-115969-2	MW-05	Total/NA	Water	7470A	348628
500-115969-3	MW-08	Total/NA	Water	7470A	348628
500-115969-4	MW-09	Total/NA	Water	7470A	348628
500-115969-5	MW-11	Total/NA	Water	7470A	348628
500-115969-6	MW-12	Total/NA	Water	7470A	348628
500-115969-7	MW-15	Total/NA	Water	7470A	348628
500-115969-8	MW-17	Total/NA	Water	7470A	348628
500-115969-9	MW-18	Total/NA	Water	7470A	348628
500-115969-10	Duplicates	Total/NA	Water	7470A	348628

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-115969-1

Metals (Continued)

Analysis Batch: 348722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-348628/12-A	Method Blank	Total/NA	Water	7470A	348628
LCS 500-348628/13-A	Lab Control Sample	Total/NA	Water	7470A	348628

Analysis Batch: 348758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-6	MW-12	Total Recoverable	Water	6020A	348625
500-115969-7	MW-15	Total Recoverable	Water	6020A	348625
500-115969-8	MW-17	Total Recoverable	Water	6020A	348625
500-115969-9	MW-18	Total Recoverable	Water	6020A	348625
500-115969-10	Duplicates	Total Recoverable	Water	6020A	348625
MB 500-348625/1-A	Method Blank	Total Recoverable	Water	6020A	348625
LCS 500-348625/2-A	Lab Control Sample	Total Recoverable	Water	6020A	348625
500-115969-10 MS	Duplicates	Total Recoverable	Water	6020A	348625
500-115969-10 MSD	Duplicates	Total Recoverable	Water	6020A	348625
500-115969-10 DU	Duplicates	Total Recoverable	Water	6020A	348625

Analysis Batch: 348822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total Recoverable	Water	6020A	348593
500-115969-2	MW-05	Total Recoverable	Water	6020A	348593
500-115969-3	MW-08	Total Recoverable	Water	6020A	348593
500-115969-4	MW-09	Total Recoverable	Water	6020A	348593
500-115969-5	MW-11	Total Recoverable	Water	6020A	348593
MB 500-348593/1-A	Method Blank	Total Recoverable	Water	6020A	348593
LCS 500-348593/2-A	Lab Control Sample	Total Recoverable	Water	6020A	348593
500-115969-5 MS	MW-11	Total Recoverable	Water	6020A	348593
500-115969-5 MSD	MW-11	Total Recoverable	Water	6020A	348593
500-115969-5 DU	MW-11	Total Recoverable	Water	6020A	348593

Analysis Batch: 349005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total Recoverable	Water	6010C	348593
500-115969-2	MW-05	Total Recoverable	Water	6010C	348593
500-115969-3	MW-08	Total Recoverable	Water	6010C	348593
500-115969-4	MW-09	Total Recoverable	Water	6010C	348593
500-115969-5	MW-11	Total Recoverable	Water	6010C	348593
500-115969-6	MW-12	Total Recoverable	Water	6010C	348625
500-115969-7	MW-15	Total Recoverable	Water	6010C	348625
500-115969-8	MW-17	Total Recoverable	Water	6010C	348625
500-115969-9	MW-18	Total Recoverable	Water	6010C	348625
500-115969-10	Duplicates	Total Recoverable	Water	6010C	348625
MB 500-348593/1-A	Method Blank	Total Recoverable	Water	6010C	348593
MB 500-348625/1-A	Method Blank	Total Recoverable	Water	6010C	348625
LCS 500-348593/2-A	Lab Control Sample	Total Recoverable	Water	6010C	348593
LCS 500-348625/2-A	Lab Control Sample	Total Recoverable	Water	6010C	348625
500-115969-5 MS	MW-11	Total Recoverable	Water	6010C	348593
500-115969-5 MSD	MW-11	Total Recoverable	Water	6010C	348593
500-115969-10 MS	Duplicates	Total Recoverable	Water	6010C	348625
500-115969-10 MSD	Duplicates	Total Recoverable	Water	6010C	348625
500-115969-5 DU	MW-11	Total Recoverable	Water	6010C	348593
500-115969-10 DU	Duplicates	Total Recoverable	Water	6010C	348625

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-115969-1

Analysis Batch: 349037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total Recoverable	Water	6020A	348593
500-115969-2	MW-05	Total Recoverable	Water	6020A	348593
500-115969-3	MW-08	Total Recoverable	Water	6020A	348593
500-115969-4	MW-09	Total Recoverable	Water	6020A	348593
500-115969-5	MW-11	Total Recoverable	Water	6020A	348593
500-115969-6	MW-12	Total Recoverable	Water	6020A	348625
500-115969-7	MW-15	Total Recoverable	Water	6020A	348625
500-115969-8	MW-17	Total Recoverable	Water	6020A	348625
MB 500-348593/1-A	Method Blank	Total Recoverable	Water	6020A	348593
LCS 500-348593/2-A	Lab Control Sample	Total Recoverable	Water	6020A	348593
500-115969-5 MS	MW-11	Total Recoverable	Water	6020A	348593
500-115969-5 MSD	MW-11	Total Recoverable	Water	6020A	348593
500-115969-5 DU	MW-11	Total Recoverable	Water	6020A	348593

Analysis Batch: 349382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-6	MW-12	Total Recoverable	Water	6020A	348625
500-115969-7	MW-15	Total Recoverable	Water	6020A	348625
500-115969-8	MW-17	Total Recoverable	Water	6020A	348625
500-115969-9	MW-18	Total Recoverable	Water	6020A	348625
500-115969-10	Duplicates	Total Recoverable	Water	6020A	348625
MB 500-348625/1-A	Method Blank	Total Recoverable	Water	6020A	348625
LCS 500-348625/2-A	Lab Control Sample	Total Recoverable	Water	6020A	348625
500-115969-10 MS	Duplicates	Total Recoverable	Water	6020A	348625
500-115969-10 MSD	Duplicates	Total Recoverable	Water	6020A	348625
500-115969-10 DU	Duplicates	Total Recoverable	Water	6020A	348625

General Chemistry

Analysis Batch: 348652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	SM 2540C	
500-115969-2	MW-05	Total/NA	Water	SM 2540C	
500-115969-3	MW-08	Total/NA	Water	SM 2540C	
500-115969-4	MW-09	Total/NA	Water	SM 2540C	
500-115969-5	MW-11	Total/NA	Water	SM 2540C	
500-115969-6	MW-12	Total/NA	Water	SM 2540C	
500-115969-7	MW-15	Total/NA	Water	SM 2540C	
500-115969-8	MW-17	Total/NA	Water	SM 2540C	
500-115969-9	MW-18	Total/NA	Water	SM 2540C	
500-115969-10	Duplicates	Total/NA	Water	SM 2540C	
MB 500-348652/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-348652/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 348761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-115969-2	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-115969-3	MW-08	Total/NA	Water	SM 4500 Cl- E	
500-115969-4	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-115969-5	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-115969-6	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-115969-7	MW-15	Total/NA	Water	SM 4500 Cl- E	

TestAmerica Chicago



QC Association Summary

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

TestAmerica Job ID: 500-115969-1

General Chemistry (Continued)

Analysis Batch: 348761 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-8	MW-17	Total/NA	Water	SM 4500 Cl- E	
500-115969-9	MW-18	Total/NA	Water	SM 4500 Cl- E	
500-115969-10	Duplicates	Total/NA	Water	SM 4500 Cl- E	
MB 500-348761/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-348761/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
500-115969-7 MS	MW-15	Total/NA	Water	SM 4500 Cl- E	
500-115969-7 MSD	MW-15	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 349459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	SM 4500 F C	
500-115969-2	MW-05	Total/NA	Water	SM 4500 F C	
500-115969-3	MW-08	Total/NA	Water	SM 4500 F C	
500-115969-4	MW-09	Total/NA	Water	SM 4500 F C	
500-115969-5	MW-11	Total/NA	Water	SM 4500 F C	
500-115969-6	MW-12	Total/NA	Water	SM 4500 F C	
500-115969-7	MW-15	Total/NA	Water	SM 4500 F C	
500-115969-8	MW-17	Total/NA	Water	SM 4500 F C	
500-115969-9	MW-18	Total/NA	Water	SM 4500 F C	
500-115969-10	Duplicates	Total/NA	Water	SM 4500 F C	
MB 500-349459/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-349459/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 350017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-115969-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-115969-2	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-115969-3	MW-08	Total/NA	Water	SM 4500 SO4 E	
500-115969-4	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-115969-5	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-115969-6	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-115969-7	MW-15	Total/NA	Water	SM 4500 SO4 E	
500-115969-8	MW-17	Total/NA	Water	SM 4500 SO4 E	
500-115969-9	MW-18	Total/NA	Water	SM 4500 SO4 E	
500-115969-10	Duplicates	Total/NA	Water	SM 4500 SO4 E	
MB 500-350017/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-350017/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	



QC Sample Results

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

TestAmerica Job ID: 500-115969-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-348593/1-A
Matrix: Water
Analysis Batch: 349005

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	Result	Qualifier	0.010		mg/L		08/20/16 10:56	08/23/16 14:31	1
	<0.010								

Lab Sample ID: LCS 500-348593/2-A
Matrix: Water
Analysis Batch: 349005

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.504		mg/L		101	80 - 120

Lab Sample ID: 500-115969-5 MS
Matrix: Water
Analysis Batch: 349005

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	<0.010		0.500	0.507		mg/L		101	75 - 125

Lab Sample ID: 500-115969-5 MSD
Matrix: Water
Analysis Batch: 349005

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	<0.010		0.500	0.540		mg/L		107	75 - 125	6	20

Lab Sample ID: 500-115969-5 DU
Matrix: Water
Analysis Batch: 349005

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

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

Lab Sample ID: MB 500-348625/1-A
Matrix: Water
Analysis Batch: 349005

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	Result	Qualifier	0.010		mg/L		08/21/16 10:18	08/23/16 15:28	1
	<0.010								

Lab Sample ID: LCS 500-348625/2-A
Matrix: Water
Analysis Batch: 349005

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348625

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

Lab Sample ID: 500-115969-10 MS
Matrix: Water
Analysis Batch: 349005

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	<0.010		0.500	0.516		mg/L		103	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

Lab Sample ID: 500-115969-10 MSD
Matrix: Water
Analysis Batch: 349005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit
Lithium	<0.010		0.500	0.492		mg/L

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

D	%Rec	Limits	RPD	Limit
	98	75 - 125	5	20

Lab Sample ID: 500-115969-10 DU
Matrix: Water
Analysis Batch: 349005

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit
Lithium	<0.010		<0.010		mg/L

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

D	RPD	Limit
	NC	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-348593/1-A
Matrix: Water
Analysis Batch: 348822

Analyte	MB Result	MB Qualifier	RL	MDL	Unit
Antimony	<0.0030		0.0030		mg/L
Arsenic	<0.0010		0.0010		mg/L
Barium	<0.0025		0.0025		mg/L
Beryllium	<0.0010		0.0010		mg/L
Boron	<0.050		0.050		mg/L
Cadmium	<0.00050		0.00050		mg/L
Chromium	<0.0050		0.0050		mg/L
Cobalt	<0.0010		0.0010		mg/L
Lead	<0.00050		0.00050		mg/L
Selenium	<0.0025		0.0025		mg/L
Thallium	<0.0020		0.0020		mg/L

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348593

D	Prepared	Analyzed	Dil Fac
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1
	08/20/16 10:56	08/22/16 18:33	1

Lab Sample ID: MB 500-348593/1-A
Matrix: Water
Analysis Batch: 349037

Analyte	MB Result	MB Qualifier	RL	MDL	Unit
Calcium	<0.20		0.20		mg/L
Molybdenum	<0.0050		0.0050		mg/L

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348593

D	Prepared	Analyzed	Dil Fac
	08/20/16 10:56	08/23/16 11:31	1
	08/20/16 10:56	08/23/16 11:31	1

Lab Sample ID: LCS 500-348593/2-A
Matrix: Water
Analysis Batch: 348822

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit
Antimony	0.500	0.467		mg/L
Arsenic	0.100	0.0965		mg/L
Barium	2.00	1.98		mg/L
Beryllium	0.0500	0.0497		mg/L
Boron	1.00	0.938		mg/L
Cadmium	0.0500	0.0477		mg/L
Chromium	0.200	0.202		mg/L
Cobalt	0.500	0.500		mg/L
Lead	0.100	0.0991		mg/L
Selenium	0.100	0.0934		mg/L

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348593

D	%Rec	Limits
	93	80 - 120
	96	80 - 120
	99	80 - 120
	99	80 - 120
	94	80 - 120
	95	80 - 120
	101	80 - 120
	100	80 - 120
	99	80 - 120
	93	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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

Lab Sample ID: LCS 500-348593/2-A
Matrix: Water
Analysis Batch: 348822

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Thallium	0.100	0.0981		mg/L		98	80 - 120

Lab Sample ID: LCS 500-348593/2-A
Matrix: Water
Analysis Batch: 349037

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Calcium	10.0	10.0		mg/L		100	80 - 120
Molybdenum	1.00	0.953		mg/L		95	80 - 120

Lab Sample ID: 500-115969-5 MS
Matrix: Water
Analysis Batch: 348822

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.483		mg/L		97	75 - 125
Arsenic	0.29	F1	0.100	0.406		mg/L		113	75 - 125
Barium	1.4		2.00	3.44		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0462		mg/L		92	75 - 125
Boron	1.0		1.00	1.88		mg/L		87	75 - 125
Cadmium	<0.00050		0.0500	0.0481		mg/L		96	75 - 125
Chromium	<0.0050		0.200	0.200		mg/L		100	75 - 125
Cobalt	0.0034		0.500	0.488		mg/L		97	75 - 125
Lead	0.0010		0.100	0.0966		mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.100		mg/L		100	75 - 125
Thallium	<0.0020		0.100	0.0949		mg/L		95	75 - 125

Lab Sample ID: 500-115969-5 MS
Matrix: Water
Analysis Batch: 349037

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Calcium	130		10.0	146	4	mg/L		113	75 - 125
Molybdenum	0.011		1.00	1.01		mg/L		100	75 - 125

Lab Sample ID: 500-115969-5 MSD
Matrix: Water
Analysis Batch: 348822

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.517		mg/L		103	75 - 125	7	20
Arsenic	0.29	F1	0.100	0.452	F1	mg/L		158	75 - 125	11	20
Barium	1.4		2.00	3.74		mg/L		115	75 - 125	8	20
Beryllium	<0.0010		0.0500	0.0472		mg/L		94	75 - 125	2	20
Boron	1.0		1.00	1.95		mg/L		94	75 - 125	4	20
Cadmium	<0.00050		0.0500	0.0519		mg/L		103	75 - 125	8	20
Chromium	<0.0050		0.200	0.209		mg/L		104	75 - 125	4	20
Cobalt	0.0034		0.500	0.507		mg/L		101	75 - 125	4	20
Lead	0.0010		0.100	0.103		mg/L		102	75 - 125	7	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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

Lab Sample ID: 500-115969-5 MSD
Matrix: Water
Analysis Batch: 348822

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit
Selenium	<0.0025		0.100	0.105		mg/L
Thallium	<0.0020		0.100	0.101		mg/L

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

D	%Rec	Limits	RPD	Limit
	105	75 - 125	5	20
	101	75 - 125	6	20

Lab Sample ID: 500-115969-5 MSD
Matrix: Water
Analysis Batch: 349037

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit
Calcium	130		10.0	155	4	mg/L
Molybdenum	0.011		1.00	1.07		mg/L

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

D	%Rec	Limits	RPD	Limit
	206	75 - 125	6	20
	106	75 - 125	6	20

Lab Sample ID: 500-115969-5 DU
Matrix: Water
Analysis Batch: 348822

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit
Antimony	<0.0030		<0.0030		mg/L
Arsenic	0.29	F1	0.327		mg/L
Barium	1.4		1.58		mg/L
Beryllium	<0.0010		<0.0010		mg/L
Boron	1.0		1.04		mg/L
Cadmium	<0.00050		<0.00050		mg/L
Chromium	<0.0050		<0.0050		mg/L
Cobalt	0.0034		0.00363		mg/L
Lead	0.0010		0.00111		mg/L
Selenium	<0.0025		<0.0025		mg/L
Thallium	<0.0020		<0.0020		mg/L

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

D	RPD	Limit
	NC	20
	11	20
	10	20
	NC	20
	3	20
	NC	20
	8	20
	8	20
	NC	20
	NC	20

Lab Sample ID: 500-115969-5 DU
Matrix: Water
Analysis Batch: 349037

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit
Calcium	130		142		mg/L
Molybdenum	0.011		0.0120		mg/L

Client Sample ID: MW-11
Prep Type: Total Recoverable
Prep Batch: 348593

D	RPD	Limit
	5	20
	9	20

Lab Sample ID: MB 500-348625/1-A
Matrix: Water
Analysis Batch: 348758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit
Antimony	<0.0030		0.0030		mg/L
Arsenic	<0.0010		0.0010		mg/L
Barium	<0.0025		0.0025		mg/L
Beryllium	<0.0010		0.0010		mg/L
Cadmium	<0.00050		0.00050		mg/L
Calcium	<0.20		0.20		mg/L
Chromium	<0.0050		0.0050		mg/L
Cobalt	<0.0010		0.0010		mg/L

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348625

D	Prepared	Analyzed	Dil Fac
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1
	08/21/16 10:18	08/22/16 13:33	1

TestAmerica Chicago

MWG13-15_58880
8/31/2016

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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

Lab Sample ID: MB 500-348625/1-A
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	<0.00050		0.00050		mg/L		08/21/16 10:18	08/22/16 13:33	1
Molybdenum	<0.0050		0.0050		mg/L		08/21/16 10:18	08/22/16 13:33	1
Selenium	<0.0025		0.0025		mg/L		08/21/16 10:18	08/22/16 13:33	1
Thallium	<0.0020		0.0020		mg/L		08/21/16 10:18	08/22/16 13:33	1

Lab Sample ID: MB 500-348625/1-A
Matrix: Water
Analysis Batch: 349382

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		08/21/16 10:18	08/25/16 18:04	1

Lab Sample ID: LCS 500-348625/2-A
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Antimony	0.500	0.483		mg/L		97	80 - 120
Arsenic	0.100	0.0967		mg/L		97	80 - 120
Barium	2.00	1.99		mg/L		99	80 - 120
Beryllium	0.0500	0.0499		mg/L		100	80 - 120
Cadmium	0.0500	0.0497		mg/L		99	80 - 120
Calcium	10.0	11.5		mg/L		115	80 - 120
Chromium	0.200	0.206		mg/L		103	80 - 120
Cobalt	0.500	0.514		mg/L		103	80 - 120
Lead	0.100	0.102		mg/L		102	80 - 120
Molybdenum	1.00	1.02		mg/L		102	80 - 120
Selenium	0.100	0.0954		mg/L		95	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120

Lab Sample ID: LCS 500-348625/2-A
Matrix: Water
Analysis Batch: 349382

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Boron	1.00	0.955		mg/L		95	80 - 120

Lab Sample ID: 500-115969-10 MS
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Antimony	<0.0030		0.500	0.508		mg/L		102	75 - 125
Arsenic	<0.0010		0.100	0.103		mg/L		102	75 - 125
Barium	0.053		2.00	2.11		mg/L		103	75 - 125
Beryllium	<0.0010		0.0500	0.0488		mg/L		98	75 - 125
Cadmium	<0.00050		0.0500	0.0513		mg/L		103	75 - 125
Calcium	87		10.0	95.8	4	mg/L		90	75 - 125
Chromium	<0.0050		0.200	0.209		mg/L		104	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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

Lab Sample ID: 500-115969-10 MS
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cobalt	<0.0010		0.500	0.510		mg/L		102	75 - 125
Lead	0.0014		0.100	0.105		mg/L		103	75 - 125
Molybdenum	<0.0050		1.00	0.925		mg/L		92	75 - 125
Selenium	<0.0025		0.100	0.101		mg/L		99	75 - 125
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125

Lab Sample ID: 500-115969-10 MS
Matrix: Water
Analysis Batch: 349382

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	0.30		1.00	1.21		mg/L		91	75 - 125

Lab Sample ID: 500-115969-10 MSD
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.481		mg/L		96	75 - 125	5	20
Arsenic	<0.0010		0.100	0.0986		mg/L		98	75 - 125	5	20
Barium	0.053		2.00	1.95		mg/L		95	75 - 125	8	20
Beryllium	<0.0010		0.0500	0.0429		mg/L		86	75 - 125	13	20
Cadmium	<0.00050		0.0500	0.0480		mg/L		96	75 - 125	7	20
Calcium	87		10.0	91.0	4	mg/L		43	75 - 125	5	20
Chromium	<0.0050		0.200	0.196		mg/L		97	75 - 125	7	20
Cobalt	<0.0010		0.500	0.473		mg/L		94	75 - 125	8	20
Lead	0.0014		0.100	0.0975		mg/L		96	75 - 125	7	20
Molybdenum	<0.0050		1.00	0.857		mg/L		85	75 - 125	8	20
Selenium	<0.0025		0.100	0.0961		mg/L		95	75 - 125	5	20
Thallium	<0.0020		0.100	0.0952		mg/L		95	75 - 125	7	20

Lab Sample ID: 500-115969-10 MSD
Matrix: Water
Analysis Batch: 349382

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Boron	0.30		1.00	1.21		mg/L		91	75 - 125	0	20

Lab Sample ID: 500-115969-10 DU
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625
RPD

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		0.00108		mg/L		NC	20
Barium	0.053		0.0504		mg/L		5	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	87		82.7		mg/L		5	20

TestAmerica Chicago

MWG13-15_58882
8/31/2016

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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- 2
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- 13
- 14

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

Lab Sample ID: 500-115969-10 DU
Matrix: Water
Analysis Batch: 348758

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD		Limit
			Result	Qualifier			RPD	Limit	
Chromium	<0.0050		<0.0050		mg/L		NC	20	
Cobalt	<0.0010		<0.0010		mg/L		NC	20	
Lead	0.0014		0.00153		mg/L		6	20	
Molybdenum	<0.0050		<0.0050		mg/L		NC	20	
Selenium	<0.0025		<0.0025		mg/L		NC	20	
Thallium	<0.0020		<0.0020		mg/L		NC	20	

Lab Sample ID: 500-115969-10 DU
Matrix: Water
Analysis Batch: 349382

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 348625

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD		Limit
			Result	Qualifier			RPD	Limit	
Boron	0.30		0.285		mg/L		5	20	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-348628/12-A
Matrix: Water
Analysis Batch: 348722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348628

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020		mg/L		08/21/16 12:30	08/22/16 09:42	1

Lab Sample ID: LCS 500-348628/13-A
Matrix: Water
Analysis Batch: 348722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limit	Limit
Mercury	0.00200	0.00165		mg/L		83	80 - 120	

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

Lab Sample ID: MB 500-348652/1
Matrix: Water
Analysis Batch: 348652

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	<10		10		mg/L			08/22/16 04:03	1

Lab Sample ID: LCS 500-348652/2
Matrix: Water
Analysis Batch: 348652

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Limit	Limit
Total Dissolved Solids	250	280		mg/L		112	80 - 120	

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-348761/4
Matrix: Water
Analysis Batch: 348761

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			08/21/16 22:16	1

Lab Sample ID: LCS 500-348761/5
Matrix: Water
Analysis Batch: 348761

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	49.4		mg/L		99	80 - 120

Lab Sample ID: 500-115969-7 MS
Matrix: Water
Analysis Batch: 348761

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	170	F1	50.0	204	F1	mg/L		74	75 - 125

Lab Sample ID: 500-115969-7 MSD
Matrix: Water
Analysis Batch: 348761

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	170	F1	50.0	204		mg/L		75	75 - 125	0	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-349459/31
Matrix: Water
Analysis Batch: 349459

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			08/26/16 13:15	1

Lab Sample ID: LCS 500-349459/32
Matrix: Water
Analysis Batch: 349459

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	10.4		mg/L		104	80 - 120

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-350017/3
Matrix: Water
Analysis Batch: 350017

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			08/31/16 07:12	1

TestAmerica Chicago

MWG13-15_58884
8/31/2016

QC Sample Results

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

TestAmerica Job ID: 500-115969-1

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

Lab Sample ID: LCS 500-350017/4
Matrix: Water
Analysis Batch: 350017

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	19.3		mg/L		96	80 - 120



Lab Chronicle

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-01

Date Collected: 08/17/16 16:09

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 14:40	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	348822	08/22/16 19:18	FXG	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 11:39	PFK	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:17	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 04:47	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		1	348761	08/21/16 22:29	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 13:49	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		4	350017		CLB	TAL CHI
						(Start) 08/31/16 07:19		
						(End) 08/31/16 07:20		

Client Sample ID: MW-05

Date Collected: 08/16/16 13:59

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 14:44	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	348822	08/22/16 19:22	FXG	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 11:42	PFK	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:19	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 04:50	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	348761	08/21/16 22:30	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 13:51	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	350017		CLB	TAL CHI
						(Start) 08/31/16 07:20		
						(End) 08/31/16 07:21		

Client Sample ID: MW-08

Date Collected: 08/17/16 10:25

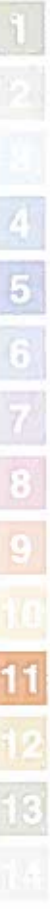
Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 14:48	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-08

Date Collected: 08/17/16 10:25

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	348822	08/22/16 19:25	FXG	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 11:46	PFK	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:20	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 04:53	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	348761	08/21/16 22:30	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 13:54	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	350017		CLB	TAL CHI
						(Start) 08/31/16 07:21		
						(End) 08/31/16 07:22		

Client Sample ID: MW-09

Date Collected: 08/17/16 12:04

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 14:53	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	348822	08/22/16 19:29	FXG	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 11:57	PFK	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:21	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 04:56	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	348761	08/21/16 22:31	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 13:56	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	350017		CLB	TAL CHI
						(Start) 08/31/16 07:22		
						(End) 08/31/16 07:23		

Client Sample ID: MW-11

Date Collected: 08/17/16 13:52

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 14:58	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	348822	08/22/16 19:33	FXG	TAL CHI
Total Recoverable	Prep	3005A			348593	08/20/16 10:56	JNH	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 12:01	PFK	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-11

Date Collected: 08/17/16 13:52

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:23	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:00	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	348761	08/21/16 22:31	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 13:59	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	350017		CLB	TAL CHI
						(Start) 08/31/16 07:25		
						(End) 08/31/16 07:26		

Client Sample ID: MW-12

Date Collected: 08/18/16 11:22

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 15:37	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	348758	08/22/16 13:40	FXG	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 12:55	PFK	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349382	08/25/16 18:19	FXG	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:24	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:03	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	348761	08/21/16 22:34	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 14:01	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		25	350017		CLB	TAL CHI
						(Start) 08/31/16 07:26		
						(End) 08/31/16 07:27		

Client Sample ID: MW-15

Date Collected: 08/18/16 15:55

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 15:42	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	348758	08/22/16 13:44	FXG	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 12:59	PFK	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-15

Date Collected: 08/18/16 15:55

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020A		1	349382	08/25/16 18:23	FXG	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:26	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:06	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	348761	08/21/16 22:34	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 14:04	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	350017		CLB	TAL CHI
						(Start) 08/31/16 07:27		
						(End) 08/31/16 07:28		

Client Sample ID: MW-17

Date Collected: 08/15/16 17:43

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 15:48	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	348758	08/22/16 13:48	FXG	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349037	08/23/16 13:03	PFK	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349382	08/25/16 18:27	FXG	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:27	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:09	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	348761	08/21/16 22:36	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 14:15	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		50	350017		CLB	TAL CHI
						(Start) 08/31/16 07:28		
						(End) 08/31/16 07:29		

Client Sample ID: MW-18

Date Collected: 08/15/16 16:46

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 15:53	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	348758	08/22/16 13:51	FXG	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349382	08/25/16 18:30	FXG	TAL CHI

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-115969-1

Client Sample ID: MW-18

Date Collected: 08/15/16 16:46

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:29	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:12	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	348761	08/21/16 22:36	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 14:18	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		20	350017		CLB	TAL CHI
					(Start)	08/31/16 07:29		
					(End)	08/31/16 07:30		

Client Sample ID: Duplicates

Date Collected: 08/17/16 00:00

Date Received: 08/19/16 18:10

Lab Sample ID: 500-115969-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	349005	08/23/16 15:57	PJ1	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	348758	08/22/16 14:03	FXG	TAL CHI
Total Recoverable	Prep	3005A			348625	08/21/16 10:18	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	349382	08/25/16 18:34	FXG	TAL CHI
Total/NA	Prep	7470A			348628	08/21/16 12:30	MJD	TAL CHI
Total/NA	Analysis	7470A		1	348722	08/22/16 10:30	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	348652	08/22/16 05:15	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		1	348761	08/21/16 22:59	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	349459	08/26/16 14:20	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		2	350017		CLB	TAL CHI
					(Start)	08/31/16 07:30		
					(End)	08/31/16 07:31		

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: 500-115969-1

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 ENVIRONMENTAL TESTING

TestAmerica Chicago

2417 Bond St.

University Park, IL 60484

708-634-6200

Fax: 708-634-6211

Report To:

Contact: Richard Gnat
 Company: KPRG and Associates, Inc
 Address: 14688 W. Liebun Rd., Suite 2B
 Brookfield, WI 53006
 Phone: 262-781-0476
 Email: richardg@kprginc.com

Bill To:

Contact: Accounts Payable
 Company: NRG Energy
 Address: 112 Telly St
 New Roads, LA 70760
 Phone: 713 486-4113
 Email: invoices@nrg.com
 PO #: 4801576732

Sampler Name: Ian John Howison
Project Name: Quaterny Powerion CCR
Project Location: Pekin, IL
Lab PM: Eric Lang

Signature: _____
TestAmerica Project Number: 60011612
TAT: 15 Days

Laboratory ID	Client Sample ID	Sampling Date	Time	# / Cont.	Volume	Preserv.	Matrix		Additional Analyses / Remarks
							Matrix	# of Cont	
1	MWV-01	8-17-16	16:09	5	W				
2	MWV-05	8-16-16	13:59	5	W				
3	MWV-08	8-17-16	10:25	5	W				
4	MWV-09	8-17-16	12:04	5	W				
5	MWV-11	8-17-16	13:52	5	W				
6	MWV-12	8-18-16	11:27	5	W				
7	MWV-16	8-18-16	15:55	5	W				
8	MWV-17	8-15-16	17:43	5	W				
9	MWV-18	8-15-16	16:46	5	W				
10	Duplicates	8-17-16		5	W				

RELINQUISHED BY: *[Signature]* DATE: 8-19-16 TIME: 18:10
COMPANY: KPRG

RECEIVED BY: *[Signature]* DATE: 8-19-16 TIME: 18:10
COMPANY: NRG Energy

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 =

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. 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:

Lab Lot # 500-115969
Package Sealed (Yes) No (Yes) No
Revised on Ice (Yes) No (Yes) No
Temperature °C of Cooler 3, 3, 7, 4, 6
Within Hold Time (Yes) No (Yes) No
pH Check OK (Yes) No (Yes) No
Res Cl₂ Check OK (Yes) No (Yes) No
Sample Labels and COC Agree (Yes) No (Yes) No
COC not present (Yes) No (Yes) No

Additional Analyses / Remarks:
 SMA500, SO₄, F - Sulfate
 SMA500, Cl, F Chloride
 4500, F, C - Fluoride
 2540C-TDS
 6010C, 6020A, 7470A - Total Metals
 903.0, 904.0 Radium 226/228

Additional Analyses / Remarks:
 500-115969 COC
 QR Code

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-115969-1

Login Number: 115969

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel M

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	1.3, 3.7, 4.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



