

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: 500-108074-1
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:
3/11/2016 9:43:03 AM

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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_59873

COMP. EX. 213 H

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Case Narrative

TestAmerica Job ID: 500-108074-1

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

Job ID: 500-108074-1

Laboratory: TestAmerica Chicago

Narrative

**Job Narrative
500-108074-1**

Comments

No additional comments.

Receipt

The samples were received on 2/26/2016 5:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.7° C, 3.8° C and 4.6° C.

Metals

Method(s) 6020A: The %RSD in the initial calibration verification (ICV) for batch 326510 was above the 5% upper control limit for Boron (5.6%). All other QC were within acceptance limits. The samples were reported.

Method(s) 6020A: The method blank for preparation batch 324687 contained Pb above the reporting limit (RL). None of the samples associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

General Chemistry

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



Detection Summary

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-01

Lab Sample ID: 500-108074-1

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|---------|-----|------|-----|-----|---|---------------|-------------|
| Arsenic | 0.0025 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.053 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 0.20 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 110 | | 0.20 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Cobalt | 0.0014 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Lead | 0.0019 | | 0.00050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Selenium | 0.0029 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 460 | | 10 | | mg/L | 1 | | | SM 2540C | Total/NA |
| Chloride | 42 | | 2.0 | | mg/L | 1 | | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.16 | | 0.10 | | mg/L | 1 | | | SM 4500 F C | Total/NA |
| Sulfate | 54 | | 10 | | mg/L | 2 | | | SM 4500 SO4 E | Total/NA |

Client Sample ID: MW-08

Lab Sample ID: 500-108074-2

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|---------|-----------|---------|-----|------|-----|-----|---|---------------|-------------|
| Lithium | 0.015 | | 0.010 | | mg/L | 1 | | | 6010C | Total |
| | | | | | | | | | | Recoverable |
| Arsenic | 0.0018 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.11 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 1.7 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Cadmium | 0.00052 | | 0.00050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 160 | | 0.20 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Lead | 0.00072 | | 0.00050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.020 | | 0.0050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 1100 | | 10 | | mg/L | 1 | | | SM 2540C | Total/NA |
| Chloride | 200 | | 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 | 280 | | 50 | | mg/L | 10 | | | SM 4500 SO4 E | Total/NA |

Client Sample ID: MW-09

Lab Sample ID: 500-108074-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|-----|------|-----|-----|---|--------|-------------|
| Arsenic | 0.0042 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.036 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 2.3 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 77 | | 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: 500-108074-1

Client Sample ID: MW-09 (Continued)

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|---|---------------|-------------|
| Cobalt | 0.0011 | | 0.0010 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.053 | | 0.0050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 500 | | 10 | | mg/L | | | 1 | SM 2540C | Total/NA |
| Chloride | 36 | | 2.0 | | mg/L | | | 1 | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.19 | | 0.10 | | mg/L | | | 1 | SM 4500 F C | Total/NA |
| Sulfate | 120 | | 25 | | mg/L | | | 5 | SM 4500 SO4 E | Total/NA |

Lab Sample ID: 500-108074-3

Client Sample ID: MW-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|----|---------------|-------------|
| Arsenic | 0.023 | | 0.0010 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.23 | | 0.0025 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 1.5 | | 0.050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 140 | | 0.20 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Cobalt | 0.0023 | | 0.0010 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.013 | | 0.0050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 850 | | 10 | | mg/L | | | 1 | SM 2540C | Total/NA |
| Chloride | 120 | | 10 | | mg/L | | | 5 | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.55 | | 0.10 | | mg/L | | | 1 | SM 4500 F C | Total/NA |
| Sulfate | 220 | | 50 | | mg/L | | | 10 | SM 4500 SO4 E | Total/NA |

Lab Sample ID: 500-108074-4

Client Sample ID: MW-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|---------|-----|------|-----|-----|----|---------------|-------------|
| Lithium | 0.014 | | 0.010 | | mg/L | | | 1 | 6010C | Total |
| | | | | | | | | | | Recoverable |
| Arsenic | 0.077 | | 0.0010 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.13 | | 0.0025 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 0.42 | | 0.050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Cadmium | 0.0016 | | 0.00050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 130 | | 0.20 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Lead | 0.0014 | | 0.00050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.015 | | 0.0050 | | mg/L | | | 1 | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 1200 | | 10 | | mg/L | | | 1 | SM 2540C | Total/NA |
| Chloride | 200 | | 10 | | mg/L | | | 5 | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.40 | | 0.10 | | mg/L | | | 1 | SM 4500 F C | Total/NA |
| Sulfate | 530 | | 100 | | mg/L | | | 20 | SM 4500 SO4 E | Total/NA |

Lab Sample ID: 500-108074-5

Client Sample ID: MW-15

Lab Sample ID: 500-108074-6

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: 500-108074-1

Client Sample ID: MW-15 (Continued)

Lab Sample ID: 500-108074-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|---|---------------|-------------|
| Lithium | 0.041 | | 0.010 | | mg/L | 1 | | | 6010C | Total |
| | | | | | | | | | | Recoverable |
| Arsenic | 0.025 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.083 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 2.0 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 240 | | 0.20 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.035 | | 0.0050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Selenium | 0.045 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 1700 | | 10 | | mg/L | 1 | | | SM 2540C | Total/NA |
| Chloride | 110 | | 10 | | mg/L | 5 | | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.61 | | 0.10 | | mg/L | 1 | | | SM 4500 F C | Total/NA |
| Sulfate | 640 | | 250 | | mg/L | 50 | | | SM 4500 SO4 E | Total/NA |

Client Sample ID: MW-17

Lab Sample ID: 500-108074-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|---|---------------|-------------|
| Lithium | 0.038 | | 0.010 | | mg/L | 1 | | | 6010C | Total |
| | | | | | | | | | | Recoverable |
| Arsenic | 0.021 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.051 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 1.8 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 290 | | 2.0 | | mg/L | 10 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Cobalt | 0.0012 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Molybdenum | 0.093 | | 0.0050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Total Dissolved Solids | 2100 | | 10 | | mg/L | 1 | | | SM 2540C | Total/NA |
| Chloride | 280 | | 10 | | mg/L | 5 | | | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.55 | | 0.10 | | mg/L | 1 | | | SM 4500 F C | Total/NA |
| Sulfate | 960 | | 250 | | mg/L | 50 | | | SM 4500 SO4 E | Total/NA |

Client Sample ID: MW-18

Lab Sample ID: 500-108074-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|---------|--------|-----------|--------|-----|------|-----|-----|---|--------|-------------|
| Lithium | 0.022 | | 0.010 | | mg/L | 1 | | | 6010C | Total |
| | | | | | | | | | | Recoverable |
| Arsenic | 0.0012 | | 0.0010 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Barium | 0.15 | | 0.0025 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Boron | 0.76 | | 0.050 | | mg/L | 1 | | | 6020A | Total |
| | | | | | | | | | | Recoverable |
| Calcium | 150 | | 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: 500-108074-1

Client Sample ID: MW-18 (Continued)

Lab Sample ID: 500-108074-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|----|---------------|----------------------|
| Molybdenum | 0.0055 | | 0.0050 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Total Dissolved Solids | 1200 | | 10 | | mg/L | | | 1 | SM 2540C | Total/NA |
| Chloride | 220 | | 10 | | mg/L | | | 5 | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.68 | | 0.10 | | mg/L | | | 1 | SM 4500 F C | Total/NA |
| Sulfate | 310 | | 50 | | mg/L | | | 10 | SM 4500 SO4 E | Total/NA |

Client Sample ID: Duplicates

Lab Sample ID: 500-108074-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil | Fac | D | Method | Prep Type |
|------------------------|--------|-----------|--------|-----|------|-----|-----|----|---------------|----------------------|
| Lithium | 0.040 | | 0.010 | | mg/L | | | 1 | 6010C | Total Recoverable |
| Arsenic | 0.014 | | 0.0010 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Barium | 0.065 | | 0.0025 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Boron | 1.9 | | 0.050 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Calcium | 200 | | 0.20 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Molybdenum | 0.034 | | 0.0050 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Selenium | 0.036 | | 0.0025 | | mg/L | | | 1 | 6020A | Total Recoverable |
| Total Dissolved Solids | 1700 | | 10 | | mg/L | | | 1 | SM 2540C | Total/NA |
| Chloride | 110 | | 10 | | mg/L | | | 5 | SM 4500 Cl- E | Total/NA |
| Fluoride | 0.62 | | 0.10 | | mg/L | | | 1 | SM 4500 F C | Total/NA |
| Sulfate | 680 | | 250 | | mg/L | | | 50 | 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: 500-108074-1

| 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: 500-108074-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------|----------------|----------------|
| 500-108074-1 | MW-01 | Water | 02/25/16 10:00 | 02/26/16 17:20 |
| 500-108074-2 | MW-08 | Water | 02/25/16 13:40 | 02/26/16 17:20 |
| 500-108074-3 | MW-09 | Water | 02/25/16 16:00 | 02/26/16 17:20 |
| 500-108074-4 | MW-11 | Water | 02/26/16 09:40 | 02/26/16 17:20 |
| 500-108074-5 | MW-12 | Water | 02/26/16 11:30 | 02/26/16 17:20 |
| 500-108074-6 | MW-15 | Water | 02/25/16 11:40 | 02/26/16 17:20 |
| 500-108074-7 | MW-17 | Water | 02/22/16 16:20 | 02/26/16 17:20 |
| 500-108074-8 | MW-18 | Water | 02/22/16 17:30 | 02/26/16 17:20 |
| 500-108074-9 | Duplicates | Water | 02/25/16 00:00 | 02/26/16 17:20 |



Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-01

Date Collected: 02/25/16 10:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-1

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 | | 03/01/16 08:30 | 03/01/16 14:37 | 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 | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Arsenic | 0.0025 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Barium | 0.053 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:33 | 1 |
| Boron | 0.20 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 11:59 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Calcium | 110 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Cobalt | 0.0014 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Lead | 0.0019 | | 0.00050 | | mg/L | | 03/10/16 12:00 | 03/10/16 15:11 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:33 | 1 |
| Selenium | 0.0029 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:19 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:11 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 460 | | 10 | | mg/L | | | 02/29/16 22:54 | 1 |
| Chloride | 42 | | 2.0 | | mg/L | | | 03/03/16 17:12 | 1 |
| Fluoride | 0.16 | | 0.10 | | mg/L | | | 02/27/16 13:54 | 1 |
| Sulfate | 54 | | 10 | | mg/L | | | 03/04/16 07:59 | 2 |

TestAmerica Chicago



Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-08

Date Collected: 02/25/16 13:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-2

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 | | 03/01/16 08:30 | 03/01/16 14:41 | 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 | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Arsenic | 0.0018 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Barium | 0.11 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:37 | 1 |
| Boron | 1.7 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:02 | 1 |
| Cadmium | 0.00052 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Calcium | 160 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Lead | 0.00072 | | 0.00050 | | mg/L | | 03/10/16 12:00 | 03/10/16 15:15 | 1 |
| Molybdenum | 0.020 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:37 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:23 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:13 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 1100 | | 10 | | mg/L | | | 02/29/16 22:58 | 1 |
| Chloride | 200 | | 10 | | mg/L | | | 03/03/16 18:00 | 5 |
| Fluoride | 0.30 | | 0.10 | | mg/L | | | 02/27/16 13:56 | 1 |
| Sulfate | 280 | | 50 | | mg/L | | | 03/04/16 08:00 | 10 |

TestAmerica Chicago

MWG13-15_59883

3/11/2016

Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-09

Date Collected: 02/25/16 16:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-3

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 | | 03/01/16 08:30 | 03/01/16 14:45 | 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 | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Arsenic | 0.0042 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Barium | 0.036 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:42 | 1 |
| Boron | 2.3 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:06 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Calcium | 77 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Cobalt | 0.0011 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Molybdenum | 0.053 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:42 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:27 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:15 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 500 | | 10 | | mg/L | | | 02/29/16 23:02 | 1 |
| Chloride | 36 | | 2.0 | | mg/L | | | 03/03/16 17:14 | 1 |
| Fluoride | 0.19 | | 0.10 | | mg/L | | | 02/27/16 13:59 | 1 |
| Sulfate | 120 | | 25 | | mg/L | | | 03/04/16 08:05 | 5 |

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-11

Date Collected: 02/26/16 09:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-4

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 | | 03/01/16 08:30 | 03/01/16 14:49 | 1 |

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

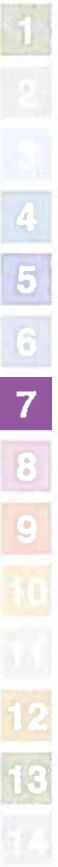
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Arsenic | 0.023 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Barium | 0.23 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:47 | 1 |
| Boron | 1.5 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:10 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Calcium | 140 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Cobalt | 0.0023 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Molybdenum | 0.013 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:47 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:31 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:21 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 850 | | 10 | | mg/L | | | 02/29/16 23:05 | 1 |
| Chloride | 120 | | 10 | | mg/L | | | 03/03/16 18:00 | 5 |
| Fluoride | 0.55 | | 0.10 | | mg/L | | | 02/27/16 14:01 | 1 |
| Sulfate | 220 | | 50 | | mg/L | | | 03/04/16 08:06 | 10 |



Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-12

Date Collected: 02/26/16 11:30

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-5

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Lithium | 0.014 | | 0.010 | | mg/L | | 03/01/16 08:30 | 03/01/16 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 | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Arsenic | 0.077 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Barium | 0.13 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:05 | 1 |
| Boron | 0.42 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:14 | 1 |
| Cadmium | 0.0016 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Calcium | 130 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Lead | 0.0014 | | 0.00050 | | mg/L | | 03/10/16 12:00 | 03/10/16 15:19 | 1 |
| Molybdenum | 0.015 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:05 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:34 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:23 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 1200 | | 10 | | mg/L | | | 02/29/16 23:09 | 1 |
| Chloride | 200 | | 10 | | mg/L | | | 03/03/16 18:01 | 5 |
| Fluoride | 0.40 | | 0.10 | | mg/L | | | 02/27/16 14:04 | 1 |
| Sulfate | 530 | | 100 | | mg/L | | | 03/04/16 08:07 | 20 |

TestAmerica Chicago

MWG13-15_59886

3/11/2016

Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-15

Date Collected: 02/25/16 11:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-6

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Lithium | 0.041 | | 0.010 | | mg/L | | 03/01/16 08:30 | 03/01/16 14:57 | 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 | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Arsenic | 0.025 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Barium | 0.083 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:10 | 1 |
| Boron | 2.0 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:17 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Calcium | 240 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Molybdenum | 0.035 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:10 | 1 |
| Selenium | 0.045 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:38 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:25 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 1700 | | 10 | | mg/L | | | 02/29/16 23:13 | 1 |
| Chloride | 110 | | 10 | | mg/L | | | 03/03/16 18:01 | 5 |
| Fluoride | 0.61 | | 0.10 | | mg/L | | | 02/27/16 14:06 | 1 |
| Sulfate | 640 | | 250 | | mg/L | | | 03/04/16 08:08 | 50 |



Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-17

Date Collected: 02/22/16 16:20

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-7

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Lithium | 0.038 | | 0.010 | | mg/L | | 03/01/16 08:30 | 03/01/16 15:02 | 1 |

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Arsenic | 0.021 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Barium | 0.051 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:15 | 1 |
| Boron | 1.8 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:21 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Calcium | 290 | | 2.0 | | mg/L | | 02/27/16 11:27 | 03/10/16 17:01 | 10 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Cobalt | 0.0012 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Molybdenum | 0.093 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:15 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:42 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:27 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 2100 | | 10 | | mg/L | | | 02/29/16 23:16 | 1 |
| Chloride | 280 | | 10 | | mg/L | | | 03/03/16 18:02 | 5 |
| Fluoride | 0.55 | | 0.10 | | mg/L | | | 03/05/16 13:57 | 1 |
| Sulfate | 960 | | 250 | | mg/L | | | 03/04/16 08:09 | 50 |

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-18

Date Collected: 02/22/16 17:30

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-8

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 | | 03/01/16 08:30 | 03/01/16 15:08 | 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 | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Arsenic | 0.0012 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Barium | 0.15 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:19 | 1 |
| Boron | 0.76 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:25 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Calcium | 150 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Molybdenum | 0.0055 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:19 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:46 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:29 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 1200 | | 10 | | mg/L | | | 02/29/16 23:20 | 1 |
| Chloride | 220 | | 10 | | mg/L | | | 03/03/16 18:02 | 5 |
| Fluoride | 0.68 | | 0.10 | | mg/L | | | 03/05/16 14:04 | 1 |
| Sulfate | 310 | | 50 | | mg/L | | | 03/04/16 08:10 | 10 |

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: Duplicates

Date Collected: 02/25/16 00:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-9

Matrix: Water

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

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|--------|-----------|-------|-----|------|---|----------------|----------------|---------|
| Lithium | 0.040 | | 0.010 | | mg/L | | 03/01/16 08:30 | 03/01/16 15:12 | 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 | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Arsenic | 0.014 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Barium | 0.065 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Beryllium | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:24 | 1 |
| Boron | 1.9 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 12:38 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Calcium | 200 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Lead | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Molybdenum | 0.034 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 21:24 | 1 |
| Selenium | 0.036 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:57 | 1 |

Method: 7470A - Mercury (CVAA)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|----------|-----------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 11:31 | 1 |

General Chemistry

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | 1700 | | 10 | | mg/L | | | 02/29/16 23:24 | 1 |
| Chloride | 110 | | 10 | | mg/L | | | 03/03/16 18:03 | 5 |
| Fluoride | 0.62 | | 0.10 | | mg/L | | | 03/05/16 14:07 | 1 |
| Sulfate | 680 | | 250 | | mg/L | | | 03/04/16 08:11 | 50 |

TestAmerica Chicago

MWG13-15_59890

3/11/2016

Definitions/Glossary

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

TestAmerica Job ID: 500-108074-1



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) |

QC Association Summary

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

TestAmerica Job ID: 500-108074-1

Metals

Prep Batch: 324697

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 3005A | |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 3005A | |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 3005A | |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 3005A | |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 3005A | |
| 500-108074-6 | MW-15 | Total Recoverable | Water | 3005A | |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 3005A | |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 3005A | |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 3005A | |
| 500-108074-9 DU | Duplicates | Total Recoverable | Water | 3005A | |
| 500-108074-9 MS | Duplicates | Total Recoverable | Water | 3005A | |
| 500-108074-9 MSD | Duplicates | Total Recoverable | Water | 3005A | |
| LCS 500-324697/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| MB 500-324697/1-A | Method Blank | Total Recoverable | Water | 3005A | |

Prep Batch: 324905

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | 7470A | |
| 500-108074-2 | MW-08 | Total/NA | Water | 7470A | |
| 500-108074-3 | MW-09 | Total/NA | Water | 7470A | |
| 500-108074-4 | MW-11 | Total/NA | Water | 7470A | |
| 500-108074-5 | MW-12 | Total/NA | Water | 7470A | |
| 500-108074-6 | MW-15 | Total/NA | Water | 7470A | |
| 500-108074-7 | MW-17 | Total/NA | Water | 7470A | |
| 500-108074-8 | MW-18 | Total/NA | Water | 7470A | |
| 500-108074-9 | Duplicates | Total/NA | Water | 7470A | |
| LCS 500-324905/13-A | Lab Control Sample | Total/NA | Water | 7470A | |
| MB 500-324905/12-A | Method Blank | Total/NA | Water | 7470A | |

Prep Batch: 324975

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 3005A | |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 3005A | |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 3005A | |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 3005A | |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 3005A | |
| 500-108074-6 | MW-15 | Total Recoverable | Water | 3005A | |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 3005A | |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 3005A | |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 3005A | |
| LCS 500-324975/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| LCSD 500-324975/3-A | Lab Control Sample Dup | Total Recoverable | Water | 3005A | |
| MB 500-324975/1-A | Method Blank | Total Recoverable | Water | 3005A | |

Analysis Batch: 324977

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 6020A | 324697 |

TestAmerica Chicago



QC Association Summary

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

TestAmerica Job ID: 500-108074-1



Metals (Continued)

Analysis Batch: 324977 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 500-108074-6 | MW-15 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 DU | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 MS | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 MSD | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| LCS 500-324697/2-A | Lab Control Sample | Total Recoverable | Water | 6020A | 324697 |
| MB 500-324697/1-A | Method Blank | Total Recoverable | Water | 6020A | 324697 |

Analysis Batch: 325017

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | 7470A | 324905 |
| 500-108074-2 | MW-08 | Total/NA | Water | 7470A | 324905 |
| 500-108074-3 | MW-09 | Total/NA | Water | 7470A | 324905 |
| 500-108074-4 | MW-11 | Total/NA | Water | 7470A | 324905 |
| 500-108074-5 | MW-12 | Total/NA | Water | 7470A | 324905 |
| 500-108074-6 | MW-15 | Total/NA | Water | 7470A | 324905 |
| 500-108074-7 | MW-17 | Total/NA | Water | 7470A | 324905 |
| 500-108074-8 | MW-18 | Total/NA | Water | 7470A | 324905 |
| 500-108074-9 | Duplicates | Total/NA | Water | 7470A | 324905 |
| LCS 500-324905/13-A | Lab Control Sample | Total/NA | Water | 7470A | 324905 |
| MB 500-324905/12-A | Method Blank | Total/NA | Water | 7470A | 324905 |

Analysis Batch: 325137

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-6 | MW-15 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 6010C | 324975 |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 6010C | 324975 |
| LCS 500-324975/2-A | Lab Control Sample | Total Recoverable | Water | 6010C | 324975 |
| LCSD 500-324975/3-A | Lab Control Sample Dup | Total Recoverable | Water | 6010C | 324975 |
| MB 500-324975/1-A | Method Blank | Total Recoverable | Water | 6010C | 324975 |

Analysis Batch: 326216

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-6 | MW-15 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 DU | Duplicates | Total Recoverable | Water | 6020A | 324697 |

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-108074-1



Metals (Continued)

Analysis Batch: 326216 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-------------------|--------|--------|------------|
| 500-108074-9 MS | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 MSD | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| LCS 500-324697/2-A | Lab Control Sample | Total Recoverable | Water | 6020A | 324697 |
| MB 500-324697/1-A | Method Blank | Total Recoverable | Water | 6020A | 324697 |

Prep Batch: 326441

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 3005A | |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 3005A | |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 3005A | |
| LCS 500-326441/2-A | Lab Control Sample | Total Recoverable | Water | 3005A | |
| LCSD 500-326441/3-A | Lab Control Sample Dup | Total Recoverable | Water | 3005A | |
| MB 500-326441/1-A | Method Blank | Total Recoverable | Water | 3005A | |

Analysis Batch: 326510

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-------------------|--------|--------|------------|
| 500-108074-1 | MW-01 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-1 | MW-01 | Total Recoverable | Water | 6020A | 326441 |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-2 | MW-08 | Total Recoverable | Water | 6020A | 326441 |
| 500-108074-3 | MW-09 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-4 | MW-11 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-5 | MW-12 | Total Recoverable | Water | 6020A | 326441 |
| 500-108074-6 | MW-15 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-7 | MW-17 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-8 | MW-18 | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 DU | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 MS | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| 500-108074-9 MSD | Duplicates | Total Recoverable | Water | 6020A | 324697 |
| LCS 500-324697/2-A | Lab Control Sample | Total Recoverable | Water | 6020A | 324697 |
| LCS 500-326441/2-A | Lab Control Sample | Total Recoverable | Water | 6020A | 326441 |
| LCSD 500-326441/3-A | Lab Control Sample Dup | Total Recoverable | Water | 6020A | 326441 |
| MB 500-324697/1-A | Method Blank | Total Recoverable | Water | 6020A | 324697 |
| MB 500-326441/1-A | Method Blank | Total Recoverable | Water | 6020A | 326441 |

General Chemistry

Analysis Batch: 324709

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|-------------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | SM 4500 F C | |
| 500-108074-2 | MW-08 | Total/NA | Water | SM 4500 F C | |
| 500-108074-3 | MW-09 | Total/NA | Water | SM 4500 F C | |
| 500-108074-4 | MW-11 | Total/NA | Water | SM 4500 F C | |
| 500-108074-5 | MW-12 | Total/NA | Water | SM 4500 F C | |
| 500-108074-6 | MW-15 | Total/NA | Water | SM 4500 F C | |
| LCS 500-324709/32 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| MB 500-324709/31 | Method Blank | Total/NA | Water | SM 4500 F C | |

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-108074-1



General Chemistry (Continued)

Analysis Batch: 324937

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|----------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | SM 2540C | |
| 500-108074-2 | MW-08 | Total/NA | Water | SM 2540C | |
| 500-108074-3 | MW-09 | Total/NA | Water | SM 2540C | |
| 500-108074-4 | MW-11 | Total/NA | Water | SM 2540C | |
| 500-108074-5 | MW-12 | Total/NA | Water | SM 2540C | |
| 500-108074-6 | MW-15 | Total/NA | Water | SM 2540C | |
| 500-108074-7 | MW-17 | Total/NA | Water | SM 2540C | |
| 500-108074-8 | MW-18 | Total/NA | Water | SM 2540C | |
| 500-108074-9 | Duplicates | Total/NA | Water | SM 2540C | |
| LCS 500-324937/2 | Lab Control Sample | Total/NA | Water | SM 2540C | |
| MB 500-324937/1 | Method Blank | Total/NA | Water | SM 2540C | |

Analysis Batch: 325483

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-2 | MW-08 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-3 | MW-09 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-4 | MW-11 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-5 | MW-12 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-6 | MW-15 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-7 | MW-17 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-8 | MW-18 | Total/NA | Water | SM 4500 CI- E | |
| 500-108074-9 | Duplicates | Total/NA | Water | SM 4500 CI- E | |
| LCS 500-325483/13 | Lab Control Sample | Total/NA | Water | SM 4500 CI- E | |
| MB 500-325483/12 | Method Blank | Total/NA | Water | SM 4500 CI- E | |

Analysis Batch: 325522

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|---------------|------------|
| 500-108074-1 | MW-01 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-2 | MW-08 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-2 MS | MW-08 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-2 MSD | MW-08 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-3 | MW-09 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-4 | MW-11 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-5 | MW-12 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-6 | MW-15 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-7 | MW-17 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-8 | MW-18 | Total/NA | Water | SM 4500 SO4 E | |
| 500-108074-9 | Duplicates | Total/NA | Water | SM 4500 SO4 E | |
| LCS 500-325522/4 | Lab Control Sample | Total/NA | Water | SM 4500 SO4 E | |
| MB 500-325522/3 | Method Blank | Total/NA | Water | SM 4500 SO4 E | |

Analysis Batch: 325740

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|-------------|------------|
| 500-108074-7 | MW-17 | Total/NA | Water | SM 4500 F C | |
| 500-108074-7 MS | MW-17 | Total/NA | Water | SM 4500 F C | |
| 500-108074-7 MSD | MW-17 | Total/NA | Water | SM 4500 F C | |
| 500-108074-8 | MW-18 | Total/NA | Water | SM 4500 F C | |
| 500-108074-9 | Duplicates | Total/NA | Water | SM 4500 F C | |
| LCS 500-325740/4 | Lab Control Sample | Total/NA | Water | SM 4500 F C | |
| MB 500-325740/3 | Method Blank | Total/NA | Water | SM 4500 F C | |

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-108074-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-324975/1-A
Matrix: Water
Analysis Batch: 325137

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324975

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|-----|------|---|----------------|----------------|---------|
| Lithium | <0.010 | | 0.010 | | mg/L | | 03/01/16 08:30 | 03/01/16 13:41 | 1 |

Lab Sample ID: LCS 500-324975/2-A
Matrix: Water
Analysis Batch: 325137

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 324975

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|------|---|------|----------|
| Lithium | 0.500 | 0.538 | | mg/L | | 108 | 80 - 120 |

Lab Sample ID: LCSD 500-324975/3-A
Matrix: Water
Analysis Batch: 325137

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 324975

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| Lithium | 0.500 | 0.531 | | mg/L | | 106 | 80 - 120 | 1 | 20 |

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-324697/1-A
Matrix: Water
Analysis Batch: 324977

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324697

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|---------|-----|------|---|----------------|----------------|---------|
| Antimony | <0.0030 | | 0.0030 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Arsenic | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Barium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Cadmium | <0.00050 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Calcium | <0.20 | | 0.20 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Chromium | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Cobalt | <0.0010 | | 0.0010 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Lead | 0.000674 | | 0.00050 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Selenium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |
| Thallium | <0.0020 | | 0.0020 | | mg/L | | 02/27/16 11:27 | 02/29/16 18:12 | 1 |

Lab Sample ID: MB 500-324697/1-A
Matrix: Water
Analysis Batch: 326216

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324697

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|-----------|--------------|--------|-----|------|---|----------------|----------------|---------|
| Barium | <0.0025 | | 0.0025 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:23 | 1 |
| Molybdenum | <0.0050 | | 0.0050 | | mg/L | | 02/27/16 11:27 | 03/08/16 20:23 | 1 |

Lab Sample ID: MB 500-324697/1-A
Matrix: Water
Analysis Batch: 326510

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 324697

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|-------|-----|------|---|----------------|----------------|---------|
| Boron | <0.050 | | 0.050 | | mg/L | | 02/27/16 11:27 | 03/10/16 11:51 | 1 |

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-108074-1

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

Lab Sample ID: LCS 500-324697/2-A

Matrix: Water

Analysis Batch: 324977

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 324697

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|----------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Antimony | 0.500 | 0.519 | | mg/L | | 104 | 80 - 120 |
| Arsenic | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 |
| Barium | 0.500 | 0.524 | | mg/L | | 105 | 80 - 120 |
| Cadmium | 0.0500 | 0.0528 | | mg/L | | 106 | 80 - 120 |
| Calcium | 10.0 | 11.5 | | mg/L | | 115 | 80 - 120 |
| Chromium | 0.200 | 0.208 | | mg/L | | 104 | 80 - 120 |
| Cobalt | 0.500 | 0.530 | | mg/L | | 106 | 80 - 120 |
| Lead | 0.100 | 0.106 | | mg/L | | 106 | 80 - 120 |
| Selenium | 0.100 | 0.102 | | mg/L | | 102 | 80 - 120 |
| Thallium | 0.100 | 0.105 | | mg/L | | 105 | 80 - 120 |

Lab Sample ID: LCS 500-324697/2-A

Matrix: Water

Analysis Batch: 326216

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 324697

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|------------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Barium | 0.500 | 0.554 | | mg/L | | 111 | 80 - 120 |
| Molybdenum | 1.00 | 1.09 | | mg/L | | 109 | 80 - 120 |

Lab Sample ID: LCS 500-324697/2-A

Matrix: Water

Analysis Batch: 326510

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 324697

| Analyte | Spike Added | LCS | | Unit | D | %Rec | Limits |
|---------|-------------|--------|-----------|------|---|------|----------|
| | | Result | Qualifier | | | | |
| Boron | 1.00 | 0.970 | | mg/L | | 97 | 80 - 120 |

Lab Sample ID: 500-108074-9 MS

Matrix: Water

Analysis Batch: 324977

Client Sample ID: Duplicates

Prep Type: Total Recoverable

Prep Batch: 324697

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | Limits |
|----------|---------------|------------------|-------------|--------|-----------|------|---|------|----------|
| | | | | Result | Qualifier | | | | |
| Antimony | <0.0030 | | 0.500 | 0.534 | | mg/L | | 107 | 75 - 125 |
| Arsenic | 0.014 | | 0.100 | 0.126 | | mg/L | | 112 | 75 - 125 |
| Barium | 0.065 | | 0.500 | 0.594 | | mg/L | | 106 | 75 - 125 |
| Cadmium | <0.00050 | | 0.0500 | 0.0524 | | mg/L | | 104 | 75 - 125 |
| Calcium | 200 | | 10.0 | 219 | 4 | mg/L | | 215 | 75 - 125 |
| Chromium | <0.0050 | | 0.200 | 0.199 | | mg/L | | 99 | 75 - 125 |
| Cobalt | <0.0010 | | 0.500 | 0.497 | | mg/L | | 99 | 75 - 125 |
| Lead | <0.00050 | | 0.100 | 0.105 | | mg/L | | 105 | 75 - 125 |
| Selenium | 0.036 | | 0.100 | 0.147 | | mg/L | | 111 | 75 - 125 |
| Thallium | <0.0020 | | 0.100 | 0.105 | | mg/L | | 105 | 75 - 125 |

Lab Sample ID: 500-108074-9 MS

Matrix: Water

Analysis Batch: 326216

Client Sample ID: Duplicates

Prep Type: Total Recoverable

Prep Batch: 324697

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS | | Unit | D | %Rec | Limits |
|------------|---------------|------------------|-------------|--------|-----------|------|---|------|----------|
| | | | | Result | Qualifier | | | | |
| Barium | 0.065 | | 0.500 | 0.633 | | mg/L | | 113 | 75 - 125 |
| Molybdenum | 0.034 | | 1.00 | 1.14 | | mg/L | | 110 | 75 - 125 |

TestAmerica Chicago



QC Sample Results

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

TestAmerica Job ID: 500-108074-1



Lab Sample ID: 500-108074-9 MS
Matrix: Water
Analysis Batch: 326510

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit |
|---------|---------------|------------------|-------------|-----------|--------------|------|
| Boron | 1.9 | | 1.00 | 2.96 | | mg/L |

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 324697
%Rec.

| D | %Rec | Limits |
|---|------|----------|
| | 101 | 75 - 125 |

Lab Sample ID: 500-108074-9 MSD
Matrix: Water
Analysis Batch: 324977

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit |
|----------|---------------|------------------|-------------|------------|---------------|------|
| Antimony | <0.0030 | | 0.500 | 0.530 | | mg/L |
| Arsenic | 0.014 | | 0.100 | 0.126 | | mg/L |
| Barium | 0.065 | | 0.500 | 0.588 | | mg/L |
| Cadmium | <0.00050 | | 0.0500 | 0.0518 | | mg/L |
| Calcium | 200 | | 10.0 | 218 | 4 | mg/L |
| Chromium | <0.0050 | | 0.200 | 0.196 | | mg/L |
| Cobalt | <0.0010 | | 0.500 | 0.491 | | mg/L |
| Lead | <0.00050 | | 0.100 | 0.105 | | mg/L |
| Selenium | 0.036 | | 0.100 | 0.149 | | mg/L |
| Thallium | <0.0020 | | 0.100 | 0.104 | | mg/L |

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 324697
%Rec.

| D | %Rec | Limits | RPD | Limit |
|---|------|----------|-----|-------|
| | 106 | 75 - 125 | 1 | 20 |
| | 112 | 75 - 125 | 0 | 20 |
| | 105 | 75 - 125 | 1 | 20 |
| | 103 | 75 - 125 | 1 | 20 |
| | 212 | 75 - 125 | 0 | 20 |
| | 98 | 75 - 125 | 1 | 20 |
| | 98 | 75 - 125 | 1 | 20 |
| | 105 | 75 - 125 | 0 | 20 |
| | 113 | 75 - 125 | 1 | 20 |
| | 104 | 75 - 125 | 1 | 20 |

Lab Sample ID: 500-108074-9 MSD
Matrix: Water
Analysis Batch: 326216

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit |
|------------|---------------|------------------|-------------|------------|---------------|------|
| Barium | 0.065 | | 0.500 | 0.627 | | mg/L |
| Molybdenum | 0.034 | | 1.00 | 1.11 | | mg/L |

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 324697
%Rec.

| D | %Rec | Limits | RPD | Limit |
|---|------|----------|-----|-------|
| | 112 | 75 - 125 | 1 | 20 |
| | 108 | 75 - 125 | 2 | 20 |

Lab Sample ID: 500-108074-9 MSD
Matrix: Water
Analysis Batch: 326510

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit |
|---------|---------------|------------------|-------------|------------|---------------|------|
| Boron | 1.9 | | 1.00 | 3.18 | | mg/L |

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 324697
%Rec.

| D | %Rec | Limits | RPD | Limit |
|---|------|----------|-----|-------|
| | 123 | 75 - 125 | 7 | 20 |

Lab Sample ID: 500-108074-9 DU
Matrix: Water
Analysis Batch: 324977

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit |
|----------|---------------|------------------|-----------|--------------|------|
| Antimony | <0.0030 | | <0.0030 | | mg/L |
| Arsenic | 0.014 | | 0.0155 | | mg/L |
| Barium | 0.065 | | 0.0705 | | mg/L |
| Cadmium | <0.00050 | | <0.00050 | | mg/L |
| Calcium | 200 | | 217 | | mg/L |
| Chromium | <0.0050 | | <0.0050 | | mg/L |
| Cobalt | <0.0010 | | <0.0010 | | mg/L |
| Lead | <0.00050 | | <0.00050 | | mg/L |
| Selenium | 0.036 | | 0.0397 | | mg/L |
| Thallium | <0.0020 | | <0.0020 | | mg/L |

Client Sample ID: Duplicates
Prep Type: Total Recoverable
Prep Batch: 324697
%Rec.

| D | RPD | Limit |
|---|-----|-------|
| | NC | 20 |
| | 8 | 20 |
| | 9 | 20 |
| | NC | 20 |
| | 10 | 20 |
| | NC | 20 |
| | NC | 20 |
| | NC | 20 |
| | 8 | 20 |
| | NC | 20 |

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-108074-1

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

Lab Sample ID: 500-108074-9 DU

Matrix: Water

Analysis Batch: 326216

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|------------|---------------|------------------|-----------|--------------|------|---|-----|-------|
| Barium | 0.065 | | 0.0715 | | mg/L | | 9 | 20 |
| Molybdenum | 0.034 | | 0.0367 | | mg/L | | 8 | 20 |

Client Sample ID: Duplicates

Prep Type: Total Recoverable

Prep Batch: 324697

Lab Sample ID: 500-108074-9 DU

Matrix: Water

Analysis Batch: 326510

| Analyte | Sample Result | Sample Qualifier | DU Result | DU Qualifier | Unit | D | RPD | Limit |
|---------|---------------|------------------|-----------|--------------|------|---|-----|-------|
| Boron | 1.9 | | 2.14 | | mg/L | | 9 | 20 |

Client Sample ID: Duplicates

Prep Type: Total Recoverable

Prep Batch: 324697

Lab Sample ID: MB 500-326441/1-A

Matrix: Water

Analysis Batch: 326510

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|-----|------|---|----------------|----------------|---------|
| Lead | <0.00050 | | 0.00050 | | mg/L | | 03/10/16 12:00 | 03/10/16 15:00 | 1 |

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 326441

Lab Sample ID: LCS 500-326441/2-A

Matrix: Water

Analysis Batch: 326510

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|------|---|------|----------|
| Lead | 0.100 | 0.0955 | | mg/L | | 96 | 80 - 120 |

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 326441

Lab Sample ID: LCSD 500-326441/3-A

Matrix: Water

Analysis Batch: 326510

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
|---------|-------------|-------------|----------------|------|---|------|----------|-----|-------|
| Lead | 0.100 | 0.100 | | mg/L | | 100 | 80 - 120 | 5 | 20 |

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 326441

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-324905/12-A

Matrix: Water

Analysis Batch: 325017

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------|-----------|--------------|---------|-----|------|---|----------------|----------------|---------|
| Mercury | <0.00020 | | 0.00020 | | mg/L | | 02/29/16 17:00 | 03/01/16 10:42 | 1 |

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 324905

Lab Sample ID: LCS 500-324905/13-A

Matrix: Water

Analysis Batch: 325017

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | Limits |
|---------|-------------|------------|---------------|------|---|------|----------|
| Mercury | 0.00200 | 0.00177 | | mg/L | | 89 | 80 - 120 |

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 324905

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-108074-1

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

Lab Sample ID: MB 500-324937/1
Matrix: Water
Analysis Batch: 324937

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

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------------------|-----------|--------------|----|-----|------|---|----------|----------------|---------|
| Total Dissolved Solids | <10 | | 10 | | mg/L | | | 02/29/16 22:25 | 1 |

Lab Sample ID: LCS 500-324937/2
Matrix: Water
Analysis Batch: 324937

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

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|------------------------|-------------|------------|---------------|------|---|------|--------------|
| Total Dissolved Solids | 250 | 244 | | mg/L | | 98 | 80 - 120 |

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-325483/12
Matrix: Water
Analysis Batch: 325483

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 | | | 03/03/16 17:02 | 1 |

Lab Sample ID: LCS 500-325483/13
Matrix: Water
Analysis Batch: 325483

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 | 50.0 | | mg/L | | 100 | 80 - 120 |

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-324709/31
Matrix: Water
Analysis Batch: 324709

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 | | | 02/27/16 13:23 | 1 |

Lab Sample ID: LCS 500-324709/32
Matrix: Water
Analysis Batch: 324709

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 | 10.5 | | mg/L | | 105 | 80 - 120 |

Lab Sample ID: MB 500-325740/3
Matrix: Water
Analysis Batch: 325740

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 | | | 03/05/16 13:52 | 1 |

TestAmerica Chicago



QC Sample Results

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

TestAmerica Job ID: 500-108074-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-325740/4

Matrix: Water

Analysis Batch: 325740

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 |

Lab Sample ID: 500-108074-7 MS

Matrix: Water

Analysis Batch: 325740

Client Sample ID: MW-17

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Fluoride | 0.55 | | 5.00 | 5.51 | | mg/L | | 99 | 75 - 125 |

Lab Sample ID: 500-108074-7 MSD

Matrix: Water

Analysis Batch: 325740

Client Sample ID: MW-17

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Fluoride | 0.55 | | 5.00 | 5.54 | | mg/L | | 100 | 75 - 125 | 1 | 20 |

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-325522/3

Matrix: Water

Analysis Batch: 325522

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 | | | 03/04/16 07:53 | 1 |

Lab Sample ID: LCS 500-325522/4

Matrix: Water

Analysis Batch: 325522

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 | 18.5 | | mg/L | | 92 | 80 - 120 |

Lab Sample ID: 500-108074-2 MS

Matrix: Water

Analysis Batch: 325522

Client Sample ID: MW-08

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Sulfate | 280 | | 400 | 653 | | mg/L | | 94 | 75 - 125 |

Lab Sample ID: 500-108074-2 MSD

Matrix: Water

Analysis Batch: 325522

Client Sample ID: MW-08

Prep Type: Total/NA

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Sulfate | 280 | | 400 | 678 | | mg/L | | 100 | 75 - 125 | 4 | 20 |

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-01

Date Collected: 02/25/16 10:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:37 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 20:33 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:19 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 11:59 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 326441 | 03/10/16 12:00 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 15:11 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:11 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 22:54 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 325483 | 03/03/16 17:12 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 13:54 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 2 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 07:59 | | |
| | | | | | (End) | 03/04/16 08:00 | | |

Client Sample ID: MW-08

Date Collected: 02/25/16 13:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-2

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:41 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 20:37 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:23 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:02 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 326441 | 03/10/16 12:00 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 15:15 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:13 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 22:58 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 Cl- E | | 5 | 325483 | 03/03/16 18:00 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 13:56 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:00 | | |
| | | | | | (End) | 03/04/16 08:01 | | |

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-09

Date Collected: 02/25/16 16:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:45 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 20:42 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:27 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:06 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:15 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:02 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 Cl- E | | 1 | 325483 | 03/03/16 17:14 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 13:59 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 5 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:05 | | |
| | | | | | (End) | 03/04/16 08:06 | | |

Client Sample ID: MW-11

Date Collected: 02/26/16 09:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-4

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:49 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 20:47 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:31 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:10 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:21 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:05 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 Cl- E | | 5 | 325483 | 03/03/16 18:00 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 14:01 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:06 | | |
| | | | | | (End) | 03/04/16 08:07 | | |

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-12

Date Collected: 02/26/16 11:30

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:53 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 21:05 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:34 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:14 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 326441 | 03/10/16 12:00 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 15:19 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:23 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:09 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 CI- E | | 5 | 325483 | 03/03/16 18:01 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 14:04 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 20 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:07 | | |
| | | | | | (End) | 03/04/16 08:08 | | |

Client Sample ID: MW-15

Date Collected: 02/25/16 11:40

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-6

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 14:57 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 21:10 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:38 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:17 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:25 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:13 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 CI- E | | 5 | 325483 | 03/03/16 18:01 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 324709 | 02/27/16 14:06 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:08 | | |
| | | | | | (End) | 03/04/16 08:09 | | |

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: MW-17

Date Collected: 02/22/16 16:20

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-7

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 15:02 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 21:15 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:42 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:21 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 10 | 326510 | 03/10/16 17:01 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:27 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:16 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 CI- E | | 5 | 325483 | 03/03/16 18:02 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 325740 | 03/05/16 13:57 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:09 | | |
| | | | | | (End) | 03/04/16 08:10 | | |

Client Sample ID: MW-18

Date Collected: 02/22/16 17:30

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-8

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 15:08 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 21:19 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:46 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:25 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:29 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:20 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 CI- E | | 5 | 325483 | 03/03/16 18:02 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 325740 | 03/05/16 14:04 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 10 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:10 | | |
| | | | | | (End) | 03/04/16 08:11 | | |

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-108074-1

Client Sample ID: Duplicates

Date Collected: 02/25/16 00:00

Date Received: 02/26/16 17:20

Lab Sample ID: 500-108074-9

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-------------------|------------|---------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total Recoverable | Prep | 3005A | | | 324975 | 03/01/16 08:30 | JEF | TAL CHI |
| Total Recoverable | Analysis | 6010C | | 1 | 325137 | 03/01/16 15:12 | PJ1 | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326216 | 03/08/16 21:24 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 324977 | 02/29/16 18:57 | PFK | TAL CHI |
| Total Recoverable | Prep | 3005A | | | 324697 | 02/27/16 11:27 | JNH | TAL CHI |
| Total Recoverable | Analysis | 6020A | | 1 | 326510 | 03/10/16 12:38 | PFK | TAL CHI |
| Total/NA | Prep | 7470A | | | 324905 | 02/29/16 17:00 | MJD | TAL CHI |
| Total/NA | Analysis | 7470A | | 1 | 325017 | 03/01/16 11:31 | MJD | TAL CHI |
| Total/NA | Analysis | SM 2540C | | 1 | 324937 | 02/29/16 23:24 | CLB | TAL CHI |
| Total/NA | Analysis | SM 4500 Cl- E | | 5 | 325483 | 03/03/16 18:03 | HMW | TAL CHI |
| Total/NA | Analysis | SM 4500 F C | | 1 | 325740 | 03/05/16 14:07 | EAT | TAL CHI |
| Total/NA | Analysis | SM 4500 SO4 E | | 50 | 325522 | | CLB | TAL CHI |
| | | | | | (Start) | 03/04/16 08:11 | | |
| | | | | | (End) | 03/04/16 08:12 | | |

Laboratory References:

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

TestAmerica Chicago

Certification Summary

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

TestAmerica Job ID: 500-108074-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|-----------|---------|------------|------------------|-----------------|
| Illinois | NELAP | 5 | 100201 | 04-30-16 |



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago

2417 Bond St.

University Park, IL 60484

708-534-5200

Fax: 708-534-5211

Report To:

Richard Gnal

KPRG and Associates, Inc

14665 W. Lisbon Rd., Suite 2B

Brookfield, WI 53005

Phone: 262-781-0475

Email: richardgnal@kprginc.com

Bill To:

Accounts Payable

NRG Energy

112 Telly St

New Roads, LA 70760

Phone: 713 465-4113

Email: invoices@nrg.com

PO #: 4501578732

Sampler Name: Ian John Howleson

Signature:

Project Name: Quarterly Powerlon CCR

Project Location: Pekin, IL

Lab P#: Eric Lang

Client Sample ID

Sampling Date Time

Matrix

of Cont

Volume

Preserv.

903.0, 904.0 Radium 226/228

6010C, 6020A, 7470A - Total Metals

2540C -TDS

4500_F_C - Fluoride

SM4500_Cl_E Chloride

SM4500_SO4_E - Sulfate

Within Hold Time

Package Sealed

Reeolved on Ice

Temperature °C of Cooler

Prep. Indicated

Res Cl₂ Check

Sample Labels and COC Agree

COC not present

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

Yes No

RELINQUISHED BY: *[Signature]* COMPANY: *[Signature]* DATE: 2-26-16 TIME: 11:00
 RECEIVED BY: *[Signature]* COMPANY: *[Signature]* DATE: 02/26/16 TIME: 17:20

RELINQUISHED BY: *[Signature]* COMPANY: *[Signature]* DATE: 2-26-16 TIME: 11:00

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. Startle-Plastic
 4. Amber Glass
 5. Widenmouth 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: 02/26/16
 Courier: *[Signature]*
 Hand Delivered:
 Bill of Lading: *[Signature]*

| Laboratory ID | Client Sample ID | Sampling Date Time | Matrix | # of Cont | Volume | Preserv. | 903.0, 904.0 Radium 226/228 | 6010C, 6020A, 7470A - Total Metals | 2540C -TDS | 4500_F_C - Fluoride | SM4500_Cl_E Chloride | SM4500_SO4_E - Sulfate | Additional Analyses / Remarks |
|---------------|------------------|--------------------|--------|-----------|--------|----------|-----------------------------|------------------------------------|------------|---------------------|----------------------|------------------------|-------------------------------|
| 1 | MW-01 | 2-25-16 10:00 | W | 5 | | | X | X | X | X | X | X | |
| 2 | MW-08 | 2-25-16 13:40 | W | 5 | | | X | X | X | X | X | X | |
| 3 | MW-09 | 2-25-16 15:00 | W | 5 | | | X | X | X | X | X | X | |
| 4 | MW-11 | 2-25-16 09:40 | W | 5 | | | X | X | X | X | X | X | |
| 5 | MW-12 | 2-25-16 11:30 | W | 5 | | | X | X | X | X | X | X | |
| 6 | MW-15 | 2-25-16 11:40 | W | 5 | | | X | X | X | X | X | X | |
| 7 | MW-17 | 2-25-16 16:20 | W | 5 | | | X | X | X | X | X | X | |
| 8 | MW-18 | 2-25-16 17:30 | W | 5 | | | X | X | X | X | X | X | |
| 9 | Duplicates | 2-25-16 | W | 5 | | | X | X | X | X | X | X | |



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-108074-1

Login Number: 108074

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 | 2,7,3,8,4,6 |
| 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 | |



