

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

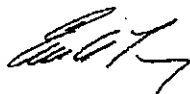
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-107760-1
Client Project/Site: Will County CCR

For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:
3/2/2016 1:29:13 PM

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Results relate only to the items tested and the sample(s) as received by the laboratory.

MWG13-15_60015

Comp. Ex. 239L

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Case Narrative

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

TestAmerica Job ID: 500-107760-1

Job ID: 500-107760-1

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Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-107760-1

Comments

No additional comments.

Receipt

The samples were received on 2/18/2016 3:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.4° C, 3.0° C and 3.6° C.

Metals

Method(s) 6020A: The low level continuing calibration verification (CCVL) associated with batch 500-323700, at line 112, recovered above the upper control limit for Beryllium. The samples associated with this CCVL were non-detects for the affected analyte; therefore, the data have been reported.

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.

Method Summary

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

TestAmerica Job ID: 500-107760-1

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

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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

TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-107760-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-107760-1	MW-05	Water	02/18/16 10:00	02/18/16 15:45
500-107760-2	MW-06	Water	02/18/16 11:40	02/18/16 15:45
500-107760-3	MW-09	Water	02/17/16 13:30	02/18/16 15:45
500-107760-4	MW-10	Water	02/16/16 15:30	02/18/16 15:45
500-107760-5	MW-11	Water	02/16/16 12:25	02/18/16 15:45
500-107760-6	MW-12	Water	02/16/16 14:00	02/18/16 15:45
500-107760-7	DUPLICATE	Water	02/16/16 00:00	02/18/16 15:45

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-05

Lab Sample ID: 500-107760-1

Date Collected: 02/18/16 10:00

Matrix: Water

Date Received: 02/18/16 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		03/01/16 08:30	03/01/16 13:54	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		02/19/16 08:23	02/19/16 17:37	1
Arsenic	0.0021		0.0010		mg/L		02/19/16 08:23	02/19/16 17:37	1
Barium	0.058		0.0025		mg/L		02/19/16 08:23	02/19/16 17:37	1
Beryllium	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:37	1
Boron	4.4		0.050		mg/L		02/19/16 08:23	02/24/16 13:57	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:37	1
Calcium	230		0.20		mg/L		02/19/16 08:23	02/19/16 17:37	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 17:37	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:37	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:37	1
Molybdenum	0.079		0.0050		mg/L		02/19/16 08:23	02/24/16 13:57	1
Selenium	0.019		0.0025		mg/L		02/19/16 08:23	02/19/16 17:37	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 17:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1600		10		mg/L			02/21/16 23:03	1
Chloride	120		10		mg/L			02/22/16 17:41	5
Fluoride	0.31		0.10		mg/L			02/23/16 14:21	1
Sulfate	730		250		mg/L			02/22/16 06:23	50

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TestAmerica Chicago

MWG13-15_60020
3/2/2016

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-06

Lab Sample ID: 500-107760-2

Date Collected: 02/18/16 11:40

Matrix: Water

Date Received: 02/18/16 15:45

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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 13:59	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		02/19/16 08:23	02/19/16 17:41	1
Arsenic	0.0014		0.0010		mg/L		02/19/16 08:23	02/19/16 17:41	1
Barium	0.068		0.0025		mg/L		02/19/16 08:23	02/19/16 17:41	1
Beryllium	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:41	1
Boron	2.5		0.050		mg/L		02/19/16 08:23	02/24/16 14:01	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:41	1
Calcium	74		0.20		mg/L		02/19/16 08:23	02/19/16 17:41	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 17:41	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:41	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:41	1
Molybdenum	0.063		0.0050		mg/L		02/19/16 08:23	02/24/16 14:01	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 17:41	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 17:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	650		10		mg/L			02/21/16 23:11	1
Chloride	150		10		mg/L			02/22/16 17:41	5
Fluoride	0.47		0.10		mg/L			02/23/16 14:19	1
Sulfate	280		50		mg/L			02/22/16 06:24	10

TestAmerica Chicago

MWG13-15_60021
3/2/2016

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-09

Lab Sample ID: 500-107760-3

Date Collected: 02/17/16 13:30

Matrix: Water

Date Received: 02/18/16 15:45

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 14:03	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/19/16 08:23	02/19/16 18:11	1
Arsenic	0.0051		0.0010		mg/L		02/19/16 08:23	02/19/16 18:11	1
Barium	0.027		0.0025		mg/L		02/19/16 08:23	02/19/16 18:11	1
Beryllium	<0.0010	^	0.0010		mg/L		02/19/16 08:23	02/19/16 18:11	1
Boron	1.8		0.050		mg/L		02/19/16 08:23	02/24/16 14:39	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:11	1
Calcium	47		0.20		mg/L		02/19/16 08:23	02/19/16 18:11	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 18:11	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 18:11	1
Lead	0.00065		0.00050		mg/L		02/19/16 08:23	02/19/16 18:11	1
Molybdenum	0.089		0.0050		mg/L		02/19/16 08:23	02/24/16 14:39	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 18:11	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 18:11	1

Method: 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:52	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	600		10		mg/L			02/21/16 23:13	1
Chloride	160		10		mg/L			02/22/16 17:42	5
Fluoride	0.55		0.10		mg/L			02/23/16 14:24	1
Sulfate	250		50		mg/L			02/22/16 06:25	10

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-10

Lab Sample ID: 500-107760-4

Date Collected: 02/16/16 15:30

Matrix: Water

Date Received: 02/18/16 15:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.021		0.010		mg/L		03/01/16 08:30	03/01/16 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/19/16 08:23	02/19/16 18:15	1
Arsenic	0.014		0.0010		mg/L		02/19/16 08:23	02/19/16 18:15	1
Barium	0.098		0.0025		mg/L		02/19/16 08:23	02/19/16 18:15	1
Beryllium	<0.0010	^	0.0010		mg/L		02/19/16 08:23	02/19/16 18:15	1
Boron	3.6		0.050		mg/L		02/19/16 08:23	02/24/16 14:43	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:15	1
Calcium	150		0.20		mg/L		02/19/16 08:23	02/19/16 18:15	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 18:15	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 18:15	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:15	1
Molybdenum	0.075		0.0050		mg/L		02/19/16 08:23	02/24/16 14:43	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 18:15	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 18:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	950		10		mg/L			02/21/16 23:16	1
Chloride	240		10		mg/L			02/22/16 17:42	5
Fluoride	0.79		0.10		mg/L			02/23/16 14:34	1
Sulfate	290		50		mg/L			02/22/16 06:26	10

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-11

Lab Sample ID: 500-107760-5

Date Collected: 02/16/16 12:25

Matrix: Water

Date Received: 02/18/16 15:45

Method: 6010C - Metals (ICP) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		03/01/16 08:30	03/01/16 14:12	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		02/19/16 08:23	02/19/16 18:18	1
Arsenic	0.0059		0.0010		mg/L		02/19/16 08:23	02/19/16 18:18	1
Barium	0.11		0.0025		mg/L		02/19/16 08:23	02/19/16 18:18	1
Beryllium	<0.0010	^	0.0010		mg/L		02/19/16 08:23	02/19/16 18:18	1
Boron	3.0		0.050		mg/L		02/19/16 08:23	02/24/16 14:48	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:18	1
Calcium	100		0.20		mg/L		02/19/16 08:23	02/19/16 18:18	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 18:18	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 18:18	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:18	1
Molybdenum	0.078		0.0050		mg/L		02/19/16 08:23	02/24/16 14:48	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 18:18	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 18:18	1

Method: 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:56	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	640		10		mg/L			02/21/16 23:19	1
Chloride	88		10		mg/L			02/22/16 17:43	5
Fluoride	0.68		0.10		mg/L			02/23/16 14:42	1
Sulfate	170		50		mg/L			02/22/16 06:27	10

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: MW-12

Lab Sample ID: 500-107760-6

Date Collected: 02/16/16 14:00

Matrix: Water

Date Received: 02/18/16 15:45

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 14:16	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		02/19/16 08:23	02/19/16 18:22	1
Arsenic	0.0013		0.0010		mg/L		02/19/16 08:23	02/19/16 18:22	1
Barium	0.084		0.0025		mg/L		02/19/16 08:23	02/19/16 18:22	1
Beryllium	<0.0010	^	0.0010		mg/L		02/19/16 08:23	02/19/16 18:22	1
Boron	1.8		0.050		mg/L		02/19/16 08:23	02/24/16 14:53	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:22	1
Calcium	130		0.20		mg/L		02/19/16 08:23	02/19/16 18:22	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 18:22	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 18:22	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:22	1
Molybdenum	0.031		0.0050		mg/L		02/19/16 08:23	02/24/16 14:53	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 18:22	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 18:22	1

Method: 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:58	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	850		10		mg/L			02/21/16 23:21	1
Chloride	140		10		mg/L			02/22/16 17:43	5
Fluoride	0.52		0.10		mg/L			02/23/16 14:53	1
Sulfate	220		50		mg/L			02/24/16 05:18	10

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-107760-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-107760-7

Date Collected: 02/16/16 00:00

Matrix: Water

Date Received: 02/18/16 15:45

Method: 6010C - Metals (ICP) - Total Recoverable									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.011		0.010		mg/L		03/01/16 08:30	03/01/16 14:20	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		02/19/16 08:23	02/19/16 18:26	1
Arsenic	0.0054		0.0010		mg/L		02/19/16 08:23	02/19/16 18:26	1
Barium	0.094		0.0025		mg/L		02/19/16 08:23	02/19/16 18:26	1
Beryllium	<0.0010	^	0.0010		mg/L		02/19/16 08:23	02/19/16 18:26	1
Boron	2.9		0.050		mg/L		02/19/16 08:23	02/24/16 14:57	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:26	1
Calcium	94		0.20		mg/L		02/19/16 08:23	02/19/16 18:26	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 18:26	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 18:26	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 18:26	1
Molybdenum	0.075		0.0050		mg/L		02/19/16 08:23	02/24/16 14:57	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 18:26	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 18:26	1

Method: 7470A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 12:00	1

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	650		10		mg/L			02/21/16 23:24	1
Chloride	86		10		mg/L			02/22/16 17:45	5
Fluoride	0.64		0.10		mg/L			02/23/16 14:55	1
Sulfate	150		50		mg/L			02/24/16 05:19	10

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Definitions/Glossary

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

TestAmerica Job ID: 500-107760-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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.

General Chemistry

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.

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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: Will County CCR

TestAmerica Job ID: 500-107760-1

Metals

Prep Batch: 323529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total Recoverable	Water	3005A	
500-107760-2	MW-06	Total Recoverable	Water	3005A	
500-107760-2 DU	MW-06	Total Recoverable	Water	3005A	
500-107760-2 MS	MW-06	Total Recoverable	Water	3005A	
500-107760-2 MSD	MW-06	Total Recoverable	Water	3005A	
500-107760-3	MW-09	Total Recoverable	Water	3005A	
500-107760-4	MW-10	Total Recoverable	Water	3005A	
500-107760-5	MW-11	Total Recoverable	Water	3005A	
500-107760-6	MW-12	Total Recoverable	Water	3005A	
500-107760-7	DUPLICATE	Total Recoverable	Water	3005A	
LCS 500-323529/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 500-323529/1-A	Method Blank	Total Recoverable	Water	3005A	

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Prep Batch: 323656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	7470A	
500-107760-2	MW-06	Total/NA	Water	7470A	
500-107760-3	MW-09	Total/NA	Water	7470A	
500-107760-4	MW-10	Total/NA	Water	7470A	
500-107760-5	MW-11	Total/NA	Water	7470A	
500-107760-6	MW-12	Total/NA	Water	7470A	
500-107760-7	DUPLICATE	Total/NA	Water	7470A	
LCS 500-323656/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-323656/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 323700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total Recoverable	Water	6020A	323529
500-107760-2	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 DU	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 MS	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 MSD	MW-06	Total Recoverable	Water	6020A	323529
500-107760-3	MW-09	Total Recoverable	Water	6020A	323529
500-107760-4	MW-10	Total Recoverable	Water	6020A	323529
500-107760-5	MW-11	Total Recoverable	Water	6020A	323529
500-107760-6	MW-12	Total Recoverable	Water	6020A	323529
500-107760-7	DUPLICATE	Total Recoverable	Water	6020A	323529
LCS 500-323529/2-A	Lab Control Sample	Total Recoverable	Water	6020A	323529
MB 500-323529/1-A	Method Blank	Total Recoverable	Water	6020A	323529

Analysis Batch: 323974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	7470A	323656
500-107760-2	MW-06	Total/NA	Water	7470A	323656
500-107760-3	MW-09	Total/NA	Water	7470A	323656
500-107760-4	MW-10	Total/NA	Water	7470A	323656
500-107760-5	MW-11	Total/NA	Water	7470A	323656
500-107760-6	MW-12	Total/NA	Water	7470A	323656
500-107760-7	DUPLICATE	Total/NA	Water	7470A	323656
LCS 500-323656/13-A	Lab Control Sample	Total/NA	Water	7470A	323656
MB 500-323656/12-A	Method Blank	Total/NA	Water	7470A	323656

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-107760-1

Analysis Batch: 324392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total Recoverable	Water	6020A	323529
500-107760-2	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 DU	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 MS	MW-06	Total Recoverable	Water	6020A	323529
500-107760-2 MSD	MW-06	Total Recoverable	Water	6020A	323529
500-107760-3	MW-09	Total Recoverable	Water	6020A	323529
500-107760-4	MW-10	Total Recoverable	Water	6020A	323529
500-107760-5	MW-11	Total Recoverable	Water	6020A	323529
500-107760-6	MW-12	Total Recoverable	Water	6020A	323529
500-107760-7	DUPLICATE	Total Recoverable	Water	6020A	323529
LCS 500-323529/2-A	Lab Control Sample	Total Recoverable	Water	6020A	323529
MB 500-323529/1-A	Method Blank	Total Recoverable	Water	6020A	323529

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Prep Batch: 324975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total Recoverable	Water	3005A	
500-107760-2	MW-06	Total Recoverable	Water	3005A	
500-107760-3	MW-09	Total Recoverable	Water	3005A	
500-107760-4	MW-10	Total Recoverable	Water	3005A	
500-107760-5	MW-11	Total Recoverable	Water	3005A	
500-107760-6	MW-12	Total Recoverable	Water	3005A	
500-107760-7	DUPLICATE	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: 325040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total Recoverable	Water	6010C	324975
500-107760-2	MW-06	Total Recoverable	Water	6010C	324975
500-107760-3	MW-09	Total Recoverable	Water	6010C	324975
500-107760-4	MW-10	Total Recoverable	Water	6010C	324975
500-107760-5	MW-11	Total Recoverable	Water	6010C	324975
500-107760-6	MW-12	Total Recoverable	Water	6010C	324975
500-107760-7	DUPLICATE	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

General Chemistry

Analysis Batch: 323843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	SM 2540C	
500-107760-1 DU	MW-05	Total/NA	Water	SM 2540C	
500-107760-1 MS	MW-05	Total/NA	Water	SM 2540C	
500-107760-2	MW-06	Total/NA	Water	SM 2540C	
500-107760-3	MW-09	Total/NA	Water	SM 2540C	
500-107760-4	MW-10	Total/NA	Water	SM 2540C	
500-107760-5	MW-11	Total/NA	Water	SM 2540C	
500-107760-6	MW-12	Total/NA	Water	SM 2540C	
500-107760-7	DUPLICATE	Total/NA	Water	SM 2540C	
LCS 500-323843/2	Lab Control Sample	Total/NA	Water	SM 2540C	

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QC Association Summary

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

TestAmerica Job ID: 500-107760-1

General Chemistry (Continued)

Analysis Batch: 323843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-323843/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 323847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-107760-2	MW-06	Total/NA	Water	SM 4500 SO4 E	
500-107760-3	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-107760-4	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-107760-5	MW-11	Total/NA	Water	SM 4500 SO4 E	
LCS 500-323847/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MB 500-323847/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 324016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	SM 4500 Cl- E	
500-107760-2	MW-06	Total/NA	Water	SM 4500 Cl- E	
500-107760-3	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-107760-4	MW-10	Total/NA	Water	SM 4500 Cl- E	
500-107760-5	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-107760-6	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-107760-6 MS	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-107760-6 MSD	MW-12	Total/NA	Water	SM 4500 Cl- E	
500-107760-7	DUPLICATE	Total/NA	Water	SM 4500 Cl- E	
LCS 500-324016/13	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	
MB 500-324016/12	Method Blank	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 324160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-1	MW-05	Total/NA	Water	SM 4500 F C	
500-107760-2	MW-06	Total/NA	Water	SM 4500 F C	
500-107760-3	MW-09	Total/NA	Water	SM 4500 F C	
500-107760-4	MW-10	Total/NA	Water	SM 4500 F C	
500-107760-4 MS	MW-10	Total/NA	Water	SM 4500 F C	
500-107760-4 MSD	MW-10	Total/NA	Water	SM 4500 F C	
500-107760-5	MW-11	Total/NA	Water	SM 4500 F C	
500-107760-6	MW-12	Total/NA	Water	SM 4500 F C	
500-107760-7	DUPLICATE	Total/NA	Water	SM 4500 F C	
LCS 500-324160/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-324160/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-324160/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-324160/31	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 324202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-107760-6	MW-12	Total/NA	Water	SM 4500 SO4 E	
500-107760-7	DUPLICATE	Total/NA	Water	SM 4500 SO4 E	
LCS 500-324202/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	
MB 500-324202/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	

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QC Sample Results

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

TestAmerica Job ID: 500-107760-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-324975/1-A
Matrix: Water
Analysis Batch: 325040

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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: 325040

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

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

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Lab Sample ID: LCSD 500-324975/3-A
Matrix: Water
Analysis Batch: 325040

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

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

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-323529/1-A
Matrix: Water
Analysis Batch: 323700

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 323529

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		02/19/16 08:23	02/19/16 17:26	1
Arsenic	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:26	1
Barium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 17:26	1
Beryllium	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:26	1
Cadmium	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:26	1
Calcium	<0.20		0.20		mg/L		02/19/16 08:23	02/19/16 17:26	1
Chromium	<0.0050		0.0050		mg/L		02/19/16 08:23	02/19/16 17:26	1
Cobalt	<0.0010		0.0010		mg/L		02/19/16 08:23	02/19/16 17:26	1
Lead	<0.00050		0.00050		mg/L		02/19/16 08:23	02/19/16 17:26	1
Selenium	<0.0025		0.0025		mg/L		02/19/16 08:23	02/19/16 17:26	1
Thallium	<0.0020		0.0020		mg/L		02/19/16 08:23	02/19/16 17:26	1

Lab Sample ID: MB 500-323529/1-A
Matrix: Water
Analysis Batch: 324392

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 323529

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		02/19/16 08:23	02/24/16 13:47	1
Molybdenum	<0.0050		0.0050		mg/L		02/19/16 08:23	02/24/16 13:47	1

Lab Sample ID: LCS 500-323529/2-A
Matrix: Water
Analysis Batch: 323700

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 323529

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Antimony	0.500	0.536		mg/L		107	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-107760-1

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

Lab Sample ID: LCS 500-323529/2-A Matrix: Water Analysis Batch: 323700			Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 323529						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.100	0.101		mg/L		101	80 - 120		
Barium	0.500	0.513		mg/L		103	80 - 120		
Beryllium	0.0500	0.0524		mg/L		105	80 - 120		
Cadmium	0.0500	0.0520		mg/L		104	80 - 120		
Calcium	10.0	11.1		mg/L		111	80 - 120		
Chromium	0.200	0.203		mg/L		102	80 - 120		
Cobalt	0.500	0.541		mg/L		108	80 - 120		
Lead	0.100	0.101		mg/L		101	80 - 120		
Selenium	0.100	0.102		mg/L		102	80 - 120		
Thallium	0.100	0.0997		mg/L		100	80 - 120		

Lab Sample ID: LCS 500-323529/2-A Matrix: Water Analysis Batch: 324392			Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Prep Batch: 323529						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Boron	1.00	1.05		mg/L		105	80 - 120		
Molybdenum	1.00	0.934		mg/L		93	80 - 120		

Lab Sample ID: 500-107760-2 MS Matrix: Water Analysis Batch: 323700				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529					
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.551		mg/L		110	75 - 125
Arsenic	0.0014		0.100	0.107		mg/L		106	75 - 125
Barium	0.068		0.500	0.567		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0514	^	mg/L		103	75 - 125
Cadmium	<0.00050		0.0500	0.0523		mg/L		105	75 - 125
Calcium	74		10.0	83.4	4	mg/L		91	75 - 125
Chromium	<0.0050		0.200	0.201		mg/L		100	75 - 125
Cobalt	<0.0010		0.500	0.533		mg/L		107	75 - 125
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125
Selenium	<0.0025		0.100	0.107		mg/L		105	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-107760-2 MS Matrix: Water Analysis Batch: 324392				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529					
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	2.5		1.00	3.52		mg/L		105	75 - 125
Molybdenum	0.063		1.00	1.03		mg/L		96	75 - 125

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TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-107760-1

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

Lab Sample ID: 500-107760-2 MSD Matrix: Water Analysis Batch: 323700				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.547		mg/L		109	75 - 125	1	20
Arsenic	0.0014		0.100	0.106		mg/L		105	75 - 125	1	20
Barium	0.068		0.500	0.561		mg/L		99	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0470	^	mg/L		94	75 - 125	9	20
Cadmium	<0.00050		0.0500	0.0512		mg/L		102	75 - 125	2	20
Calcium	74		10.0	82.1	4	mg/L		79	75 - 125	2	20
Chromium	<0.0050		0.200	0.197		mg/L		99	75 - 125	2	20
Cobalt	<0.0010		0.500	0.523		mg/L		105	75 - 125	2	20
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125	2	20
Selenium	<0.0025		0.100	0.106		mg/L		104	75 - 125	1	20
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125	1	20

Lab Sample ID: 500-107760-2 MSD Matrix: Water Analysis Batch: 324392				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Boron	2.5		1.00	3.48		mg/L		101	75 - 125	1	20
Molybdenum	0.063		1.00	1.03		mg/L		97	75 - 125	1	20

Lab Sample ID: 500-107760-2 DU Matrix: Water Analysis Batch: 323700				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529						
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	Limit
Antimony	<0.0030		<0.0030		mg/L				NC	20
Arsenic	0.0014		0.00135		mg/L				5	20
Barium	0.068		0.0637		mg/L				7	20
Beryllium	<0.0010		<0.0010		mg/L				NC	20
Cadmium	<0.00050		<0.00050		mg/L				NC	20
Calcium	74		71.3		mg/L				4	20
Chromium	<0.0050		<0.0050		mg/L				NC	20
Cobalt	<0.0010		<0.0010		mg/L				NC	20
Lead	<0.00050		<0.00050		mg/L				NC	20
Selenium	<0.0025		<0.0025		mg/L				NC	20
Thallium	<0.0020		<0.0020		mg/L				NC	20

Lab Sample ID: 500-107760-2 DU Matrix: Water Analysis Batch: 324392				Client Sample ID: MW-06 Prep Type: Total Recoverable Prep Batch: 323529						
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	Limit
Boron	2.5		2.44		mg/L				1	20
Molybdenum	0.063		0.0603		mg/L				4	20

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MWG13-15_60033
3/2/2016

QC Sample Results

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

TestAmerica Job ID: 500-107760-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-323656/12-A						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323974						Prep Batch: 323656			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/16 12:00	02/22/16 11:09	1

Lab Sample ID: LCS 500-323656/13-A						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323974						Prep Batch: 323656			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.00200	0.00182		mg/L		91	80 - 120		

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

Lab Sample ID: MB 500-323843/1						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323843									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/21/16 22:55	1

Lab Sample ID: LCS 500-323843/2						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323843									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids	250	252		mg/L		101	80 - 120		

Lab Sample ID: 500-107760-1 MS						Client Sample ID: MW-05			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323843									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	1600		250	1920	4	mg/L		121	75 - 125

Lab Sample ID: 500-107760-1 DU						Client Sample ID: MW-05			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 323843									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit	
Total Dissolved Solids	1600		1670		mg/L		3	5	

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-324016/12						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 324016									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/22/16 16:54	1

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QC Sample Results

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

TestAmerica Job ID: 500-107760-1

Method: SM 4500 Cl- E - Chloride, Total (Continued)

Lab Sample ID: LCS 500-324016/13
Matrix: Water
Analysis Batch: 324016

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.2		mg/L		98	80 - 120

Lab Sample ID: 500-107760-6 MS
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	140		50.0	177		mg/L		82	75 - 125

Lab Sample ID: 500-107760-6 MSD
Matrix: Water
Analysis Batch: 324016

Client Sample ID: MW-12
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	140		50.0	179		mg/L		86	75 - 125	1	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-324160/3
Matrix: Water
Analysis Batch: 324160

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			02/23/16 13:11	1

Lab Sample ID: MB 500-324160/31
Matrix: Water
Analysis Batch: 324160

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			02/23/16 14:29	1

Lab Sample ID: LCS 500-324160/32
Matrix: Water
Analysis Batch: 324160

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	10.7		mg/L		107	80 - 120

Lab Sample ID: LCS 500-324160/4
Matrix: Water
Analysis Batch: 324160

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	10.7		mg/L		107	80 - 120

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MWG13-15_60035
3/2/2016

QC Sample Results

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

TestAmerica Job ID: 500-107760-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-107760-4 MS							Client Sample ID: MW-10			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 324160										
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Fluoride	0.79		5.00	6.08		mg/L		106	75 - 125	

Lab Sample ID: 500-107760-4 MSD							Client Sample ID: MW-10				
Matrix: Water							Prep Type: Total/NA				
Analysis Batch: 324160											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.79		5.00	6.08		mg/L		106	75 - 125	0	20

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-323847/3							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 323847										
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Sulfate	<5.0		5.0		mg/L			02/22/16 06:06	1	

Lab Sample ID: LCS 500-323847/4							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 323847										
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits			
Sulfate	20.0	19.7		mg/L		99	80 - 120			

Lab Sample ID: MB 500-324202/3							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 324202										
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Sulfate	<5.0		5.0		mg/L			02/24/16 04:59	1	

Lab Sample ID: LCS 500-324202/4							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Total/NA			
Analysis Batch: 324202										
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits			
Sulfate	20.0	19.1		mg/L		96	80 - 120			

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TestAmerica Chicago
 2417 Bond Street
 University Park, IL 60484
 Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record



TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information				Sampler: Ian John Howison				Lab PM: Eric Lang				500-107780 COC				COC No: 500-40303-20793.1										
Client Contact: Rich Gnat				Phone: 6302906850 : ianh@kprginc.com				E-Mail: eric.lang@testamericainc.com								Page: Page 1 of 1										
Company: KPRG & Associates Inc.								Analysis Requested								Job #: 500-107760										
Address: 14685 W. Lisbon Rd				Due Date Requested:				Field Filtered Sample (Yes or No) 6010C, 6020A, 7470A Total Metals 2640C, 4500F, C, SM4500, Cl, E, SM4500, SO ₄ , E, TDS, F, LC1, SO ₄ 903.0, 904.0 Radium				Total Number of Containers				Preservation Codes:										
City: Brookfield				TAT Requested (days): 15 days												A - HCL M - Hexano										
State, Zip: WI, 53005				PO #:												B - NaOH N - None										
Phone: 262-781-0475				WC #:												C - Zn Acetate O - AsNaO2										
Project Name: Quarterly MWG Will Co CCR				Project #: 50011609								D - Nitric Acid P - Na2O4S														
Site: Romeoville, Illinois				SSOW#:								E - NaHSO4 Q - Na2S2O3														
												F - MeOH R - Na2S2OS3														
												G - Amchlor S - H2SO4														
												H - Ascorbic Acid T - TSP Dodecahydrate														
												I - Ice U - Acetone														
												J - DI Water V - MCAA														
												K - EDTA W - ph 4-5														
												L - EDA Z - other (specify)														
												Other:														
Sample Identification												Special Instructions/Note:														
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=unknown, ST=755MM, A=AI)	Field Filtered Sample (Yes or No)	6010C	6020A	7470A	Total Metals	2640C	4500F	C	SM4500	Cl	E	SM4500	SO ₄	TDS	F	LC1	SO ₄	903.0	904.0	Radium	Total Number of Containers	Preservation Code
1 MW-05	2-18-16	10:00		Water	N	N	X	X	X																X	
2 MW-06	2-18-16	11:40		Water	N	N	X	X	X																	X
3 MW-09	2-17-16	13:30		Water	N	N	X	X	X																	X
4 MW-10	2-16-16	15:30		Water	N	N	X	X	X																	X
5 MW-11	2-16-16	12:25		Water	N	N	X	X	X																	X
6 MW-12	2-16-16	14:00		Water	N	N	X	X	X																	X
7 DUPLICATE	2-16-16			Water	N	N	X	X	X																	X

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Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) - Level IV
 Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by: Ian John Howison		Date/Time: 2-18-16 15:45	Company: KPRG	Received by: [Signature]	Date/Time: 02/18/16 1545
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No Custody Seal No.:
 Cooler Temperature(s) °C and Other Remarks: (3.6)(3.0)(2.4) MWG13-15_60037

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-107760-1

Login Number: 107760

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn 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	(3.6)(3.0)(2.4)c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6 mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



Certification Summary

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

TestAmerica Job ID: 500-107760-1

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

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TestAmerica Chicago

