

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

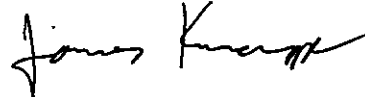
ANALYTICAL REPORT

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

TestAmerica Job ID: 500-124362-1
Client Project/Site: Waukegan CCR

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

Attn: Richard Gnat



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

MWG13-15_61693

COMP. EX. 2275



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Case Narrative

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

TestAmerica Job ID: 500-124362-1

Job ID: 500-124362-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-124362-1

Comments

No additional comments.

Receipt

The samples were received on 2/24/2017 5:07 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.0° C, 4.5° C and 4.9° C.

Metals

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

General Chemistry

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

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Method Summary

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

TestAmerica Job ID: 500-124362-1

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

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TestAmerica Chicago

MWG13-15_61696
3/10/2017

Sample Summary

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

TestAmerica Job ID: 500-124362-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-124362-1	MW-01	Water	02/21/17 12:42	02/24/17 17:07
500-124362-2	MW-02	Water	02/21/17 14:12	02/24/17 17:07
500-124362-3	MW-03	Water	02/21/17 15:35	02/24/17 17:07
500-124362-4	MW-04	Water	02/22/17 09:17	02/24/17 17:07
500-124362-5	MW-09	Water	02/23/17 11:11	02/24/17 17:07
500-124362-6	MW-11	Water	02/24/17 11:31	02/24/17 17:07
500-124362-7	MW-14	Water	02/23/17 14:25	02/24/17 17:07
500-124362-8	MW-16	Water	02/24/17 09:50	02/24/17 17:07
500-124362-9	Duplicate	Water	02/22/17 00:00	02/24/17 17:07

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Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-01

Date Collected: 02/21/17 12:42

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-1

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		03/01/17 07:49	03/01/17 17:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/01/17 07:49	03/02/17 16:05	1
Arsenic	0.15		0.0010		mg/L		03/01/17 07:49	03/02/17 16:05	1
Barium	0.016		0.0025		mg/L		03/01/17 07:49	03/02/17 16:05	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:05	1
Boron	2.2		0.50		mg/L		03/01/17 07:49	03/03/17 19:07	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:05	1
Calcium	50		0.20		mg/L		03/01/17 07:49	03/02/17 16:05	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:05	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:05	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:05	1
Molybdenum	0.069		0.0050		mg/L		03/01/17 07:49	03/02/17 16:05	1
Selenium	<0.0025		0.0025		mg/L		03/01/17 07:49	03/02/17 16:05	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	540		10		mg/L			02/25/17 18:59	1
Chloride	61		2.0		mg/L			02/26/17 20:38	1
Fluoride	0.29		0.10		mg/L			03/04/17 20:24	1
Sulfate	250		50		mg/L			03/06/17 05:07	10

TestAmerica Chicago

MWG13-15_61698
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-02

Date Collected: 02/21/17 14:12

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-2

Matrix: Water



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		03/01/17 07:49	03/01/17 17:14	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		03/01/17 07:49	03/02/17 16:09	1
Arsenic	0.028		0.0010		mg/L		03/01/17 07:49	03/02/17 16:09	1
Barium	0.012		0.0025		mg/L		03/01/17 07:49	03/02/17 16:09	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:09	1
Boron	3.3		0.50		mg/L		03/01/17 07:49	03/03/17 19:11	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:09	1
Calcium	31		0.20		mg/L		03/01/17 07:49	03/02/17 16:09	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:09	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:09	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:09	1
Molybdenum	0.051		0.0050		mg/L		03/01/17 07:49	03/02/17 16:09	1
Selenium	0.0038		0.0025		mg/L		03/01/17 07:49	03/02/17 16:09	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	420		10		mg/L			02/25/17 19:04	1
Chloride	52		2.0		mg/L			02/26/17 20:38	1
Fluoride	0.76		0.10		mg/L			03/04/17 20:27	1
Sulfate	190		50		mg/L			03/06/17 05:08	10

TestAmerica Chicago

MWG13-15_61699
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-03

Date Collected: 02/21/17 15:35

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-3

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		03/01/17 07:49	03/01/17 17:17	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		03/01/17 07:49	03/02/17 16:12	1
Arsenic	0.011		0.0010		mg/L		03/01/17 07:49	03/02/17 16:12	1
Barium	0.0067		0.0025		mg/L		03/01/17 07:49	03/02/17 16:12	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:12	1
Boron	2.2		0.50		mg/L		03/01/17 07:49	03/03/17 19:15	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:12	1
Calcium	56		0.20		mg/L		03/01/17 07:49	03/02/17 16:12	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:12	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:12	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:12	1
Molybdenum	0.043		0.0050		mg/L		03/01/17 07:49	03/02/17 16:12	1
Selenium	<0.0025		0.0025		mg/L		03/01/17 07:49	03/02/17 16:12	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	460		10		mg/L			02/25/17 19:07	1
Chloride	65		2.0		mg/L			02/26/17 20:39	1
Fluoride	0.33		0.10		mg/L			03/04/17 20:31	1
Sulfate	180		50		mg/L			03/06/17 05:09	10

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TestAmerica Chicago

MWG13-15_61700
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-04

Date Collected: 02/22/17 09:17

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		03/01/17 07:49	03/01/17 17:28	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		03/01/17 07:49	03/02/17 16:16	1
Arsenic	0.036		0.0010		mg/L		03/01/17 07:49	03/02/17 16:16	1
Barium	0.093		0.0025		mg/L		03/01/17 07:49	03/02/17 16:16	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:16	1
Boron	2.4		0.50		mg/L		03/01/17 07:49	03/03/17 19:19	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:16	1
Calcium	150		0.20		mg/L		03/01/17 07:49	03/02/17 16:16	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:16	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:16	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:16	1
Molybdenum	0.015		0.0050		mg/L		03/01/17 07:49	03/02/17 16:16	1
Selenium	0.0042		0.0025		mg/L		03/01/17 07:49	03/02/17 16:16	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	850		10		mg/L			02/25/17 19:09	1
Chloride	41		2.0		mg/L			02/26/17 20:39	1
Fluoride	0.17		0.10		mg/L			03/04/17 20:48	1
Sulfate	290		100		mg/L			03/06/17 05:10	20

TestAmerica Chicago

MWG13-15_61701
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-09
Date Collected: 02/23/17 11:11
Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-5
Matrix: Water

1
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Method: 6010C - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.068		0.010		mg/L		03/01/17 07:49	03/01/17 17:32	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		03/01/17 07:49	03/02/17 16:28	1
Arsenic	0.0027		0.0010		mg/L		03/01/17 07:49	03/02/17 16:28	1
Barium	0.014		0.0025		mg/L		03/01/17 07:49	03/02/17 16:28	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:28	1
Boron	14		1.0		mg/L		03/01/17 07:49	03/03/17 19:22	20
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:28	1
Calcium	190		0.20		mg/L		03/01/17 07:49	03/02/17 16:28	1
Chromium	0.059		0.0050		mg/L		03/01/17 07:49	03/02/17 16:28	1
Cobalt	0.0018		0.0010		mg/L		03/01/17 07:49	03/02/17 16:28	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:28	1
Molybdenum	0.26		0.0050		mg/L		03/01/17 07:49	03/02/17 16:28	1
Selenium	0.016		0.0025		mg/L		03/01/17 07:49	03/02/17 16:28	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1300		10		mg/L			02/25/17 19:12	1
Chloride	290		10		mg/L			02/26/17 20:40	5
Fluoride	0.12		0.10		mg/L			03/04/17 20:51	1
Sulfate	320		100		mg/L			03/06/17 05:11	20

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-11

Date Collected: 02/24/17 11:31

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.039		0.010		mg/L		03/01/17 07:49	03/01/17 17:37	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		03/01/17 07:49	03/02/17 16:31	1
Arsenic	0.58		0.0010		mg/L		03/01/17 07:49	03/02/17 16:31	1
Barium	0.047		0.0025		mg/L		03/01/17 07:49	03/02/17 16:31	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:31	1
Boron	2.4		0.50		mg/L		03/01/17 07:49	03/03/17 19:26	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:31	1
Calcium	180		0.20		mg/L		03/01/17 07:49	03/02/17 16:31	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:31	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:31	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:31	1
Molybdenum	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:31	1
Selenium	<0.0025		0.0025		mg/L		03/01/17 07:49	03/02/17 16:31	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1200		10		mg/L			02/26/17 18:09	1
Chloride	220		10		mg/L			02/26/17 20:40	5
Fluoride	4.9		0.10		mg/L			03/09/17 14:04	1
Sulfate	170		50		mg/L			03/06/17 05:12	10

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TestAmerica Chicago

MWG13-15_61703
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-14

Date Collected: 02/23/17 14:25

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.017		0.010		mg/L		03/01/17 07:49	03/01/17 17:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.0061		0.0030		mg/L		03/01/17 07:49	03/02/17 16:36	1
Arsenic	9.3		0.010		mg/L		03/01/17 07:49	03/03/17 19:30	10
Barium	0.36		0.0025		mg/L		03/01/17 07:49	03/02/17 16:36	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:36	1
Boron	0.73		0.50		mg/L		03/01/17 07:49	03/03/17 19:30	10
Cadmium	0.0010		0.00050		mg/L		03/01/17 07:49	03/02/17 16:36	1
Calcium	150		0.20		mg/L		03/01/17 07:49	03/02/17 16:36	1
Chromium	4.6		0.0050		mg/L		03/01/17 07:49	03/02/17 16:36	1
Cobalt	0.0070		0.0010		mg/L		03/01/17 07:49	03/02/17 16:36	1
Lead	0.00095		0.00050		mg/L		03/01/17 07:49	03/02/17 16:36	1
Molybdenum	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:36	1
Selenium	0.0031		0.0025		mg/L		03/01/17 07:49	03/02/17 16:36	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	730		10		mg/L			02/26/17 18:12	1
Chloride	99		10		mg/L			02/26/17 20:41	5
Fluoride	0.19		0.10		mg/L			03/04/17 20:54	1
Sulfate	110		25		mg/L			03/06/17 05:13	5

TestAmerica Chicago

MWG13-15_61704
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: MW-16

Date Collected: 02/24/17 09:50

Date Received: 02/24/17 17:07

Lab Sample ID: 500-124362-8

Matrix: Water



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.012		0.010		mg/L		03/01/17 07:49	03/01/17 17:45	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		03/01/17 07:49	03/02/17 16:40	1
Arsenic	0.027		0.0010		mg/L		03/01/17 07:49	03/02/17 16:40	1
Barium	0.067		0.0025		mg/L		03/01/17 07:49	03/02/17 16:40	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:40	1
Boron	6.5		1.0		mg/L		03/01/17 07:49	03/03/17 19:34	20
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:40	1
Calcium	200		0.20		mg/L		03/01/17 07:49	03/02/17 16:40	1
Chromium	0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:40	1
Cobalt	0.0011		0.0010		mg/L		03/01/17 07:49	03/02/17 16:40	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:40	1
Molybdenum	0.023		0.0050		mg/L		03/01/17 07:49	03/02/17 16:40	1
Selenium	0.0037		0.0025		mg/L		03/01/17 07:49	03/02/17 16:40	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1100		10		mg/L			02/26/17 18:14	1
Chloride	67		2.0		mg/L			02/26/17 21:34	1
Fluoride	0.20		0.10		mg/L			03/09/17 14:07	1
Sulfate	570		100		mg/L			03/07/17 07:40	20

TestAmerica Chicago

MWG13-15_61705
3/10/2017

Client Sample Results

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

TestAmerica Job ID: 500-124362-1

Client Sample ID: Duplicate

Lab Sample ID: 500-124362-9

Date Collected: 02/22/17 00:00

Matrix: Water

Date Received: 02/24/17 17:07

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		03/01/17 07:49	03/01/17 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/01/17 07:49	03/02/17 16:44	1
Arsenic	0.028		0.0010		mg/L		03/01/17 07:49	03/02/17 16:44	1
Barium	0.012		0.0025		mg/L		03/01/17 07:49	03/02/17 16:44	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:44	1
Boron	3.2		0.50		mg/L		03/01/17 07:49	03/03/17 19:37	10
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:44	1
Calcium	30		0.20		mg/L		03/01/17 07:49	03/02/17 16:44	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 16:44	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 16:44	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 16:44	1
Molybdenum	0.048		0.0050		mg/L		03/01/17 07:49	03/02/17 16:44	1
Selenium	0.0036		0.0025		mg/L		03/01/17 07:49	03/02/17 16:44	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 16:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	430		10		mg/L			02/26/17 18:17	1
Chloride	51		2.0		mg/L			02/26/17 20:43	1
Fluoride	0.55		0.10		mg/L			03/09/17 14:09	1
Sulfate	210		50		mg/L			03/07/17 07:41	10

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TestAmerica Chicago

MWG13-15_61706
3/10/2017

Definitions/Glossary

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

TestAmerica Job ID: 500-124362-1

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)

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TestAmerica Chicago

MWG13-15_61707
3/10/2017

QC Association Summary

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

TestAmerica Job ID: 500-124362-1

Metals

Prep Batch: 373660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	7470A	
500-124362-2	MW-02	Total/NA	Water	7470A	
500-124362-3	MW-03	Total/NA	Water	7470A	
500-124362-4	MW-04	Total/NA	Water	7470A	
500-124362-5	MW-09	Total/NA	Water	7470A	
500-124362-6	MW-11	Total/NA	Water	7470A	
500-124362-7	MW-14	Total/NA	Water	7470A	
500-124362-8	MW-16	Total/NA	Water	7470A	
500-124362-9	Duplicate	Total/NA	Water	7470A	
MB 500-373660/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-373660/13-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 373952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total Recoverable	Water	3005A	
500-124362-2	MW-02	Total Recoverable	Water	3005A	
500-124362-3	MW-03	Total Recoverable	Water	3005A	
500-124362-4	MW-04	Total Recoverable	Water	3005A	
500-124362-5	MW-09	Total Recoverable	Water	3005A	
500-124362-6	MW-11	Total Recoverable	Water	3005A	
500-124362-7	MW-14	Total Recoverable	Water	3005A	
500-124362-8	MW-16	Total Recoverable	Water	3005A	
500-124362-9	Duplicate	Total Recoverable	Water	3005A	
MB 500-373952/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-373952/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 374039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	7470A	373660
500-124362-2	MW-02	Total/NA	Water	7470A	373660
500-124362-3	MW-03	Total/NA	Water	7470A	373660
500-124362-4	MW-04	Total/NA	Water	7470A	373660
500-124362-5	MW-09	Total/NA	Water	7470A	373660
500-124362-6	MW-11	Total/NA	Water	7470A	373660
500-124362-7	MW-14	Total/NA	Water	7470A	373660
500-124362-8	MW-16	Total/NA	Water	7470A	373660
500-124362-9	Duplicate	Total/NA	Water	7470A	373660
MB 500-373660/12-A	Method Blank	Total/NA	Water	7470A	373660
LCS 500-373660/13-A	Lab Control Sample	Total/NA	Water	7470A	373660

Analysis Batch: 374135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total Recoverable	Water	6010C	373952
500-124362-2	MW-02	Total Recoverable	Water	6010C	373952
500-124362-3	MW-03	Total Recoverable	Water	6010C	373952
500-124362-4	MW-04	Total Recoverable	Water	6010C	373952
500-124362-5	MW-09	Total Recoverable	Water	6010C	373952
500-124362-6	MW-11	Total Recoverable	Water	6010C	373952
500-124362-7	MW-14	Total Recoverable	Water	6010C	373952
500-124362-8	MW-16	Total Recoverable	Water	6010C	373952
500-124362-9	Duplicate	Total Recoverable	Water	6010C	373952

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-124362-1

Metals (Continued)

Analysis Batch: 374135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-373952/1-A	Method Blank	Total Recoverable	Water	6010C	373952
LCS 500-373952/2-A	Lab Control Sample	Total Recoverable	Water	6010C	373952

Analysis Batch: 374368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total Recoverable	Water	6020A	373952
500-124362-2	MW-02	Total Recoverable	Water	6020A	373952
500-124362-3	MW-03	Total Recoverable	Water	6020A	373952
500-124362-4	MW-04	Total Recoverable	Water	6020A	373952
500-124362-5	MW-09	Total Recoverable	Water	6020A	373952
500-124362-6	MW-11	Total Recoverable	Water	6020A	373952
500-124362-7	MW-14	Total Recoverable	Water	6020A	373952
500-124362-8	MW-16	Total Recoverable	Water	6020A	373952
500-124362-9	Duplicate	Total Recoverable	Water	6020A	373952
MB 500-373952/1-A	Method Blank	Total Recoverable	Water	6020A	373952
LCS 500-373952/2-A	Lab Control Sample	Total Recoverable	Water	6020A	373952

Analysis Batch: 374558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total Recoverable	Water	6020A	373952
500-124362-2	MW-02	Total Recoverable	Water	6020A	373952
500-124362-3	MW-03	Total Recoverable	Water	6020A	373952
500-124362-4	MW-04	Total Recoverable	Water	6020A	373952
500-124362-5	MW-09	Total Recoverable	Water	6020A	373952
500-124362-6	MW-11	Total Recoverable	Water	6020A	373952
500-124362-7	MW-14	Total Recoverable	Water	6020A	373952
500-124362-8	MW-16	Total Recoverable	Water	6020A	373952
500-124362-9	Duplicate	Total Recoverable	Water	6020A	373952
MB 500-373952/1-A	Method Blank	Total Recoverable	Water	6020A	373952
LCS 500-373952/2-A	Lab Control Sample	Total Recoverable	Water	6020A	373952

General Chemistry

Analysis Batch: 373526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	SM 2540C	
500-124362-2	MW-02	Total/NA	Water	SM 2540C	
500-124362-3	MW-03	Total/NA	Water	SM 2540C	
500-124362-4	MW-04	Total/NA	Water	SM 2540C	
500-124362-5	MW-09	Total/NA	Water	SM 2540C	
MB 500-373526/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-373526/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-124362-1 DU	MW-01	Total/NA	Water	SM 2540C	

Analysis Batch: 373563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-6	MW-11	Total/NA	Water	SM 2540C	
500-124362-7	MW-14	Total/NA	Water	SM 2540C	
500-124362-8	MW-16	Total/NA	Water	SM 2540C	
500-124362-9	Duplicate	Total/NA	Water	SM 2540C	

TestAmerica Chicago

MWG13-15_61709
3/10/2017

QC Association Summary

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

TestAmerica Job ID: 500-124362-1

General Chemistry (Continued)

Analysis Batch: 373563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-373563/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-373563/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 373566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	SM 4500 Cl- E	
500-124362-2	MW-02	Total/NA	Water	SM 4500 Cl- E	
500-124362-3	MW-03	Total/NA	Water	SM 4500 Cl- E	
500-124362-4	MW-04	Total/NA	Water	SM 4500 Cl- E	
500-124362-5	MW-09	Total/NA	Water	SM 4500 Cl- E	
500-124362-6	MW-11	Total/NA	Water	SM 4500 Cl- E	
500-124362-7	MW-14	Total/NA	Water	SM 4500 Cl- E	
500-124362-8	MW-16	Total/NA	Water	SM 4500 Cl- E	
500-124362-9	Duplicate	Total/NA	Water	SM 4500 Cl- E	
MB 500-373566/4	Method Blank	Total/NA	Water	SM 4500 Cl- E	
LCS 500-373566/5	Lab Control Sample	Total/NA	Water	SM 4500 Cl- E	

Analysis Batch: 374508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	SM 4500 SO4 E	
500-124362-2	MW-02	Total/NA	Water	SM 4500 SO4 E	
500-124362-3	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-124362-4	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-124362-5	MW-09	Total/NA	Water	SM 4500 SO4 E	
500-124362-6	MW-11	Total/NA	Water	SM 4500 SO4 E	
500-124362-7	MW-14	Total/NA	Water	SM 4500 SO4 E	
MB 500-374508/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-374508/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 374688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-8	MW-16	Total/NA	Water	SM 4500 SO4 E	
500-124362-9	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-374688/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-374688/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	

Analysis Batch: 374704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-1	MW-01	Total/NA	Water	SM 4500 F C	
500-124362-2	MW-02	Total/NA	Water	SM 4500 F C	
500-124362-3	MW-03	Total/NA	Water	SM 4500 F C	
500-124362-4	MW-04	Total/NA	Water	SM 4500 F C	
500-124362-5	MW-09	Total/NA	Water	SM 4500 F C	
500-124362-7	MW-14	Total/NA	Water	SM 4500 F C	
MB 500-374704/3	Method Blank	Total/NA	Water	SM 4500 F C	
MB 500-374704/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-374704/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	
LCS 500-374704/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-124362-3 MS	MW-03	Total/NA	Water	SM 4500 F C	
500-124362-3 MSD	MW-03	Total/NA	Water	SM 4500 F C	

TestAmerica Chicago

MWG13-15_61710
3/10/2017

QC Association Summary

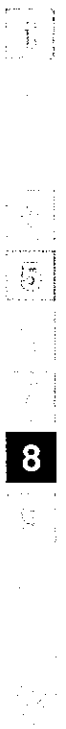
Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

TestAmerica Job ID: 500-124362-1

General Chemistry (Continued)

Analysis Batch: 375166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-124362-6	MW-11	Total/NA	Water	SM 4500 F C	
500-124362-8	MW-16	Total/NA	Water	SM 4500 F C	
500-124362-9	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-375166/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-375166/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	



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TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-124362-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-373952/1-A
Matrix: Water
Analysis Batch: 374135

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 373952

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		03/01/17 07:49	03/01/17 16:44	1

Lab Sample ID: LCS 500-373952/2-A
Matrix: Water
Analysis Batch: 374135

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 373952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.495		mg/L		99	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-373952/1-A
Matrix: Water
Analysis Batch: 374368

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 373952

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/01/17 07:49	03/02/17 15:57	1
Arsenic	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 15:57	1
Barium	<0.0025		0.0025		mg/L		03/01/17 07:49	03/02/17 15:57	1
Beryllium	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 15:57	1
Cadmium	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 15:57	1
Calcium	<0.20		0.20		mg/L		03/01/17 07:49	03/02/17 15:57	1
Chromium	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 15:57	1
Cobalt	<0.0010		0.0010		mg/L		03/01/17 07:49	03/02/17 15:57	1
Lead	<0.00050		0.00050		mg/L		03/01/17 07:49	03/02/17 15:57	1
Molybdenum	<0.0050		0.0050		mg/L		03/01/17 07:49	03/02/17 15:57	1
Selenium	<0.0025		0.0025		mg/L		03/01/17 07:49	03/02/17 15:57	1
Thallium	<0.0020		0.0020		mg/L		03/01/17 07:49	03/02/17 15:57	1

Lab Sample ID: MB 500-373952/1-A
Matrix: Water
Analysis Batch: 374558

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 373952

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		03/01/17 07:49	03/03/17 18:44	1

Lab Sample ID: LCS 500-373952/2-A
Matrix: Water
Analysis Batch: 374368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 373952

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.504		mg/L		101	80 - 120
Arsenic	0.100	0.101		mg/L		101	80 - 120
Barium	2.00	2.04		mg/L		102	80 - 120
Beryllium	0.0500	0.0466		mg/L		93	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Calcium	10.0	9.54		mg/L		95	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Cobalt	0.500	0.502		mg/L		100	80 - 120

TestAmerica Chicago

MWG13-15_61712
3/10/2017

QC Sample Results

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

TestAmerica Job ID: 500-124362-1

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

Lab Sample ID: LCS 500-373952/2-A
Matrix: Water
Analysis Batch: 374368

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 373952
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	0.100	0.102		mg/L		102	80 - 120
Molybdenum	1.00	0.979		mg/L		98	80 - 120
Selenium	0.100	0.100		mg/L		100	80 - 120
Thallium	0.100	0.103		mg/L		103	80 - 120

Lab Sample ID: LCS 500-373952/2-A
Matrix: Water
Analysis Batch: 374558

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 373952
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Boron	1.00	0.998		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-373660/12-A
Matrix: Water
Analysis Batch: 374039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 373660

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/27/17 11:40	03/01/17 10:14	1

Lab Sample ID: LCS 500-373660/13-A
Matrix: Water
Analysis Batch: 374039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 373660
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00194		mg/L		97	80 - 120

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

Lab Sample ID: MB 500-373526/1
Matrix: Water
Analysis Batch: 373526

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			02/25/17 18:13	1

Lab Sample ID: LCS 500-373526/2
Matrix: Water
Analysis Batch: 373526

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Total Dissolved Solids	250	296		mg/L		118	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-124362-1

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

Lab Sample ID: 500-124362-1 DU
Matrix: Water
Analysis Batch: 373526

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

Analyte	Sample		DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Dissolved Solids	540		550		mg/L		2	5

Lab Sample ID: MB 500-373563/1
Matrix: Water
Analysis Batch: 373563

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Dissolved Solids	<10		10		mg/L			02/26/17 17:38	1

Lab Sample ID: LCS 500-373563/2
Matrix: Water
Analysis Batch: 373563

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-373566/4
Matrix: Water
Analysis Batch: 373566

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<2.0		2.0		mg/L			02/26/17 20:27	1

Lab Sample ID: LCS 500-373566/5
Matrix: Water
Analysis Batch: 373566

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Method: SM 4500 F C - Fluoride

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

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoride	<0.10		0.10		mg/L			03/04/17 19:03	1

Lab Sample ID: MB 500-374704/31
Matrix: Water
Analysis Batch: 374704

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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoride	<0.10		0.10		mg/L			03/04/17 20:43	1

TestAmerica Chicago

MWG13-15_61714

3/10/2017

QC Sample Results

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

TestAmerica Job ID: 500-124362-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-374704/32
Matrix: Water
Analysis Batch: 374704

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.6		mg/L		106	80 - 120

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.3		mg/L		103	80 - 120

Lab Sample ID: 500-124362-3 MS
Matrix: Water
Analysis Batch: 374704

Client Sample ID: MW-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.33		5.00	4.97		mg/L		93	75 - 125

Lab Sample ID: 500-124362-3 MSD
Matrix: Water
Analysis Batch: 374704

Client Sample ID: MW-03
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.33		5.00	5.03		mg/L		94	75 - 125	1	20

Lab Sample ID: MB 500-375166/3
Matrix: Water
Analysis Batch: 375166

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			03/09/17 13:24	1

Lab Sample ID: LCS 500-375166/4
Matrix: Water
Analysis Batch: 375166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.2		mg/L		102	80 - 120

Method: SM 4500 SO4 E - Sulfate, Total

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

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			03/06/17 04:52	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-124362-1

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

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.9		mg/L		99	80 - 120

Lab Sample ID: MB 500-374688/3
Matrix: Water
Analysis Batch: 374688

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			03/07/17 07:26	1

Lab Sample ID: LCS 500-374688/4
Matrix: Water
Analysis Batch: 374688

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.2		mg/L		101	80 - 120

1
5
9

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-124362-1

Login Number: 124362

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0, 4.5, 4.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$).	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

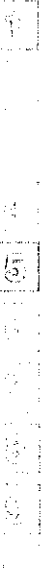
Client: KPRG and Associates, Inc.
Project/Site: Waukegan CCR

TestAmerica Job ID: 500-124362-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

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



* Certification renewal pending - certification considered valid.

TestAmerica

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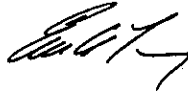
ANALYTICAL REPORT

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TestAmerica Job ID: 500-124362-2
Client Project/Site: Waukegan CCR

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Attn: Richard Gnat



*Authorized for release by:
3/29/2017 9:26:21 AM*

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