

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: 500-127245-1
Client Project/Site: Joliet #29 CCR

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

Attn: Richard Gnat



Authorized for release by:
5/11/2017 3:03:02 PM

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

MWG13-15_61790

COMP.Ex. 2091G

1

2

3

4

5

6

7

8

9

10

11

12



Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Method Summary	4
Sample Summary	5
Client Sample Results	6
Definitions	11
QC Association	12
QC Sample Results	15
Chain of Custody	20
Receipt Checklists	21
Chronicle	22

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Job ID: 500-127245-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-127245-1

Comments

No additional comments.

Receipt

The samples were received on 4/27/2017 1:50 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.9° C, 3.6° C, 3.8° C, 4.9° C and 4.9° C.

Metals

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

General Chemistry

Method(s) SM 4500 Cl- E: The matrix spike duplicate (MSD) recovery for analytical batch 500-383025 was outside control limits at a 71%. The associated laboratory control sample (LCS) recovery was within acceptance limits at a 106%.

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



Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

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: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-127245-1	MW-03	Water	04/26/17 10:43	04/27/17 13:50
500-127245-2	MW-04	Water	04/26/17 09:08	04/27/17 13:50
500-127245-3	MW-05	Water	04/26/17 11:55	04/27/17 13:50
500-127245-4	MW-10	Water	04/26/17 13:22	04/27/17 13:50
500-127245-5	Duplicate	Water	04/26/17 00:00	04/27/17 13:50



Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: MW-03

Date Collected: 04/26/17 10:43

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-1

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		04/28/17 07:53	05/09/17 13:25	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		04/28/17 07:53	04/28/17 23:30	1
Arsenic	0.0017		0.0010		mg/L		04/28/17 07:53	04/28/17 23:30	1
Barium	0.11		0.0025		mg/L		04/28/17 07:53	04/28/17 23:30	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:30	1
Boron	0.54		0.050		mg/L		04/28/17 07:53	04/28/17 23:30	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:30	1
Calcium	100		0.20		mg/L		04/28/17 07:53	04/28/17 23:30	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:30	1
Cobalt	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:30	1
Lead	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:30	1
Molybdenum	0.0088		0.0050		mg/L		04/28/17 07:53	04/28/17 23:30	1
Selenium	0.0052		0.0025		mg/L		04/28/17 07:53	04/28/17 23:30	1
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/28/17 23:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	820		10		mg/L			05/01/17 01:32	1
Chloride	210		10		mg/L			04/30/17 19:06	5
Fluoride	0.36		0.10		mg/L			05/01/17 15:08	1
Sulfate	120		25		mg/L			05/04/17 10:44	5

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: MW-04

Date Collected: 04/26/17 09:08

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-2

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		04/28/17 07:53	05/09/17 13:51	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		04/28/17 07:53	04/28/17 23:49	1
Arsenic	0.0021		0.0010		mg/L		04/28/17 07:53	04/28/17 23:49	1
Barium	0.095		0.0025		mg/L		04/28/17 07:53	04/28/17 23:49	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:49	1
Boron	0.33		0.050		mg/L		04/28/17 07:53	04/28/17 23:49	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:49	1
Calcium	100		0.20		mg/L		04/28/17 07:53	04/28/17 23:49	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:49	1
Cobalt	0.0078		0.0010		mg/L		04/28/17 07:53	04/28/17 23:49	1
Lead	0.00055		0.00050		mg/L		04/28/17 07:53	04/28/17 23:49	1
Molybdenum	0.0069		0.0050		mg/L		04/28/17 07:53	04/28/17 23:49	1
Selenium	<0.0025		0.0025		mg/L		04/28/17 07:53	04/28/17 23:49	1
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/28/17 23:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	770		10		mg/L			05/01/17 01:35	1
Chloride	220		10		mg/L			04/30/17 19:07	5
Fluoride	0.37		0.10		mg/L			05/01/17 15:11	1
Sulfate	89		25		mg/L			05/04/17 10:45	5

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Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: MW-05

Date Collected: 04/26/17 11:55

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-3

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		04/28/17 07:53	05/09/17 13:55	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		04/28/17 07:53	04/28/17 23:53	1
Arsenic	0.0014		0.0010		mg/L		04/28/17 07:53	04/28/17 23:53	1
Barium	0.063		0.0025		mg/L		04/28/17 07:53	04/28/17 23:53	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:53	1
Boron	0.67		0.050		mg/L		04/28/17 07:53	04/28/17 23:53	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:53	1
Calcium	110		0.20		mg/L		04/28/17 07:53	04/28/17 23:53	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:53	1
Cobalt	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:53	1
Lead	0.00080		0.00050		mg/L		04/28/17 07:53	04/28/17 23:53	1
Molybdenum	0.0066		0.0050		mg/L		04/28/17 07:53	04/28/17 23:53	1
Selenium	0.013		0.0025		mg/L		04/28/17 07:53	04/28/17 23:53	1
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/28/17 23:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	770		10		mg/L			05/01/17 01:37	1
Chloride	190	F1	10		mg/L			04/30/17 19:07	5
Fluoride	0.37		0.10		mg/L			05/01/17 15:13	1
Sulfate	170		50		mg/L			05/04/17 10:46	10



Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: MW-10

Date Collected: 04/26/17 13:22

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-4

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		04/28/17 07:53	05/09/17 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		04/28/17 07:53	04/28/17 23:57	1
Arsenic	0.0015		0.0010		mg/L		04/28/17 07:53	04/28/17 23:57	1
Barium	0.046		0.0025		mg/L		04/28/17 07:53	04/28/17 23:57	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:57	1
Boron	0.35		0.050		mg/L		04/28/17 07:53	04/28/17 23:57	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:57	1
Calcium	120		0.20		mg/L		04/28/17 07:53	04/28/17 23:57	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:57	1
Cobalt	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:57	1
Lead	0.0012		0.00050		mg/L		04/28/17 07:53	04/28/17 23:57	1
Molybdenum	0.0060		0.0050		mg/L		04/28/17 07:53	05/01/17 12:12	1
Selenium	<0.0025		0.0025		mg/L		04/28/17 07:53	04/28/17 23:57	1
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/28/17 23:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	760		10		mg/L			05/01/17 01:40	1
Chloride	200		10		mg/L			04/30/17 19:09	5
Fluoride	0.35		0.10		mg/L			05/01/17 15:23	1
Sulfate	87		25		mg/L			05/04/17 10:47	5

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: Duplicate

Date Collected: 04/26/17 00:00

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	0.010		0.010		mg/L		04/28/17 07:53	05/09/17 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		04/28/17 07:53	04/29/17 00:01	1
Arsenic	0.0018		0.0010		mg/L		04/28/17 07:53	04/29/17 00:01	1
Barium	0.047		0.0025		mg/L		04/28/17 07:53	04/29/17 00:01	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/29/17 00:01	1
Boron	0.33		0.050		mg/L		04/28/17 07:53	04/29/17 00:01	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/29/17 00:01	1
Calcium	120		0.20		mg/L		04/28/17 07:53	04/29/17 00:01	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/29/17 00:01	1
Cobalt	<0.0010		0.0010		mg/L		04/28/17 07:53	04/29/17 00:01	1
Lead	0.0014		0.00050		mg/L		04/28/17 07:53	04/29/17 00:01	1
Molybdenum	0.0064		0.0050		mg/L		04/28/17 07:53	05/01/17 12:16	1
Selenium	<0.0025		0.0025		mg/L		04/28/17 07:53	04/29/17 00:01	1
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/29/17 00:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	760		10		mg/L			05/01/17 01:43	1
Chloride	200		10		mg/L			04/30/17 19:09	5
Fluoride	0.35		0.10		mg/L			05/01/17 15:26	1
Sulfate	100		25		mg/L			05/04/17 10:48	5

TestAmerica Chicago

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

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.

General Chemistry

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1



Metals

Prep Batch: 382717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total Recoverable	Water	3005A	
500-127245-2	MW-04	Total Recoverable	Water	3005A	
500-127245-3	MW-05	Total Recoverable	Water	3005A	
500-127245-4	MW-10	Total Recoverable	Water	3005A	
500-127245-5	Duplicate	Total Recoverable	Water	3005A	
MB 500-382717/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 500-382717/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
500-127245-1 MS	MW-03	Total Recoverable	Water	3005A	
500-127245-1 MSD	MW-03	Total Recoverable	Water	3005A	
500-127245-1 DU	MW-03	Total Recoverable	Water	3005A	

Analysis Batch: 383131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total Recoverable	Water	6020A	382717
500-127245-2	MW-04	Total Recoverable	Water	6020A	382717
500-127245-3	MW-05	Total Recoverable	Water	6020A	382717
500-127245-4	MW-10	Total Recoverable	Water	6020A	382717
500-127245-5	Duplicate	Total Recoverable	Water	6020A	382717
MB 500-382717/1-A	Method Blank	Total Recoverable	Water	6020A	382717
LCS 500-382717/2-A	Lab Control Sample	Total Recoverable	Water	6020A	382717
500-127245-1 MS	MW-03	Total Recoverable	Water	6020A	382717
500-127245-1 MSD	MW-03	Total Recoverable	Water	6020A	382717
500-127245-1 DU	MW-03	Total Recoverable	Water	6020A	382717

Analysis Batch: 383165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-4	MW-10	Total Recoverable	Water	6020A	382717
500-127245-5	Duplicate	Total Recoverable	Water	6020A	382717

Prep Batch: 383326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	7470A	
500-127245-2	MW-04	Total/NA	Water	7470A	
500-127245-3	MW-05	Total/NA	Water	7470A	
500-127245-4	MW-10	Total/NA	Water	7470A	
500-127245-5	Duplicate	Total/NA	Water	7470A	
MB 500-383326/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-383326/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-127245-2 MS	MW-04	Total/NA	Water	7470A	
500-127245-2 MSD	MW-04	Total/NA	Water	7470A	
500-127245-2 DU	MW-04	Total/NA	Water	7470A	

Analysis Batch: 383570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	7470A	383326
500-127245-2	MW-04	Total/NA	Water	7470A	383326
500-127245-3	MW-05	Total/NA	Water	7470A	383326
500-127245-4	MW-10	Total/NA	Water	7470A	383326
500-127245-5	Duplicate	Total/NA	Water	7470A	383326
MB 500-383326/12-A	Method Blank	Total/NA	Water	7470A	383326
LCS 500-383326/13-A	Lab Control Sample	Total/NA	Water	7470A	383326

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1



Metals (Continued)

Analysis Batch: 383570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-2 MS	MW-04	Total/NA	Water	7470A	383326
500-127245-2 MSD	MW-04	Total/NA	Water	7470A	383326
500-127245-2 DU	MW-04	Total/NA	Water	7470A	383326

Analysis Batch: 384443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total Recoverable	Water	6010C	382717
500-127245-2	MW-04	Total Recoverable	Water	6010C	382717
500-127245-3	MW-05	Total Recoverable	Water	6010C	382717
500-127245-4	MW-10	Total Recoverable	Water	6010C	382717
500-127245-5	Duplicate	Total Recoverable	Water	6010C	382717
MB 500-382717/1-A	Method Blank	Total Recoverable	Water	6010C	382717
LCS 500-382717/2-A	Lab Control Sample	Total Recoverable	Water	6010C	382717
500-127245-1 MS	MW-03	Total Recoverable	Water	6010C	382717
500-127245-1 MSD	MW-03	Total Recoverable	Water	6010C	382717
500-127245-1 DU	MW-03	Total Recoverable	Water	6010C	382717

General Chemistry

Analysis Batch: 383024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	SM 2540C	
500-127245-2	MW-04	Total/NA	Water	SM 2540C	
500-127245-3	MW-05	Total/NA	Water	SM 2540C	
500-127245-4	MW-10	Total/NA	Water	SM 2540C	
500-127245-5	Duplicate	Total/NA	Water	SM 2540C	
MB 500-383024/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-383024/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 383025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	SM 4500 CI- E	
500-127245-2	MW-04	Total/NA	Water	SM 4500 CI- E	
500-127245-3	MW-05	Total/NA	Water	SM 4500 CI- E	
500-127245-4	MW-10	Total/NA	Water	SM 4500 CI- E	
500-127245-5	Duplicate	Total/NA	Water	SM 4500 CI- E	
MB 500-383025/12	Method Blank	Total/NA	Water	SM 4500 CI- E	
LCS 500-383025/13	Lab Control Sample	Total/NA	Water	SM 4500 CI- E	
500-127245-3 MS	MW-05	Total/NA	Water	SM 4500 CI- E	
500-127245-3 MSD	MW-05	Total/NA	Water	SM 4500 CI- E	

Analysis Batch: 383193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	SM 4500 F C	
500-127245-2	MW-04	Total/NA	Water	SM 4500 F C	
500-127245-3	MW-05	Total/NA	Water	SM 4500 F C	
500-127245-4	MW-10	Total/NA	Water	SM 4500 F C	
500-127245-5	Duplicate	Total/NA	Water	SM 4500 F C	
MB 500-383193/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-383193/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

General Chemistry (Continued)

Analysis Batch: 383726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127245-1	MW-03	Total/NA	Water	SM 4500 SO4 E	
500-127245-2	MW-04	Total/NA	Water	SM 4500 SO4 E	
500-127245-3	MW-05	Total/NA	Water	SM 4500 SO4 E	
500-127245-4	MW-10	Total/NA	Water	SM 4500 SO4 E	
500-127245-5	Duplicate	Total/NA	Water	SM 4500 SO4 E	
MB 500-383726/3	Method Blank	Total/NA	Water	SM 4500 SO4 E	
LCS 500-383726/4	Lab Control Sample	Total/NA	Water	SM 4500 SO4 E	



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 500-382717/1-A
Matrix: Water
Analysis Batch: 384443

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lithium	<0.010		0.010		mg/L		04/28/17 07:53	05/09/17 13:17	1

Lab Sample ID: LCS 500-382717/2-A
Matrix: Water
Analysis Batch: 384443

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lithium	0.500	0.574		mg/L		115	80 - 120

Lab Sample ID: 500-127245-1 MS
Matrix: Water
Analysis Batch: 384443

Client Sample ID: MW-03
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lithium	0.010		0.500	0.564		mg/L		111	75 - 125

Lab Sample ID: 500-127245-1 MSD
Matrix: Water
Analysis Batch: 384443

Client Sample ID: MW-03
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lithium	0.010		0.500	0.579		mg/L		114	75 - 125	3	20

Lab Sample ID: 500-127245-1 DU
Matrix: Water
Analysis Batch: 384443

Client Sample ID: MW-03
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lithium	0.010		0.0101		mg/L		2	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-382717/1-A
Matrix: Water
Analysis Batch: 383131

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		04/28/17 07:53	04/28/17 23:23	1
Arsenic	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:23	1
Barium	<0.0025		0.0025		mg/L		04/28/17 07:53	04/28/17 23:23	1
Beryllium	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:23	1
Boron	<0.050		0.050		mg/L		04/28/17 07:53	04/28/17 23:23	1
Cadmium	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:23	1
Calcium	<0.20		0.20		mg/L		04/28/17 07:53	04/28/17 23:23	1
Chromium	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:23	1
Cobalt	<0.0010		0.0010		mg/L		04/28/17 07:53	04/28/17 23:23	1
Lead	<0.00050		0.00050		mg/L		04/28/17 07:53	04/28/17 23:23	1
Molybdenum	<0.0050		0.0050		mg/L		04/28/17 07:53	04/28/17 23:23	1
Selenium	<0.0025		0.0025		mg/L		04/28/17 07:53	04/28/17 23:23	1

TestAmerica Chicago

MWG13-15_61804
5/11/2017



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

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

Lab Sample ID: MB 500-382717/1-A
Matrix: Water
Analysis Batch: 383131

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.0020		0.0020		mg/L		04/28/17 07:53	04/28/17 23:23	1

Lab Sample ID: LCS 500-382717/2-A
Matrix: Water
Analysis Batch: 383131

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	0.500	0.531		mg/L		106	80 - 120
Arsenic	0.100	0.114		mg/L		114	80 - 120
Barium	2.00	2.33		mg/L		117	80 - 120
Beryllium	0.0500	0.0554		mg/L		111	80 - 120
Boron	1.00	1.06		mg/L		106	80 - 120
Cadmium	0.0500	0.0537		mg/L		107	80 - 120
Calcium	10.0	10.6		mg/L		106	80 - 120
Chromium	0.200	0.226		mg/L		113	80 - 120
Cobalt	0.500	0.564		mg/L		113	80 - 120
Lead	0.100	0.110		mg/L		110	80 - 120
Molybdenum	1.00	1.08		mg/L		108	80 - 120
Selenium	0.100	0.110		mg/L		110	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120

Lab Sample ID: 500-127245-1 MS
Matrix: Water
Analysis Batch: 383131

Client Sample ID: MW-03
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Antimony	<0.0030		0.500	0.529		mg/L		106	75 - 125
Arsenic	0.0017		0.100	0.116		mg/L		114	75 - 125
Barium	0.11		2.00	2.31		mg/L		110	75 - 125
Beryllium	<0.0010		0.0500	0.0496		mg/L		99	75 - 125
Boron	0.54		1.00	1.54		mg/L		100	75 - 125
Cadmium	<0.00050		0.0500	0.0523		mg/L		105	75 - 125
Calcium	100		10.0	110	4	mg/L		81	75 - 125
Chromium	<0.0050		0.200	0.210		mg/L		103	75 - 125
Cobalt	<0.0010		0.500	0.498		mg/L		100	75 - 125
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125
Molybdenum	0.0088		1.00	0.966		mg/L		96	75 - 125
Selenium	0.0052		0.100	0.113		mg/L		108	75 - 125
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-127245-1 MSD
Matrix: Water
Analysis Batch: 383131

Client Sample ID: MW-03
Prep Type: Total Recoverable
Prep Batch: 382717

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.541		mg/L		108	75 - 125	2	20
Arsenic	0.0017		0.100	0.119		mg/L		117	75 - 125	2	20
Barium	0.11		2.00	2.38		mg/L		114	75 - 125	3	20
Beryllium	<0.0010		0.0500	0.0507		mg/L		101	75 - 125	2	20

TestAmerica Chicago

MWG13-15_61805
5/11/2017



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

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

Lab Sample ID: 500-127245-1 MSD

Matrix: Water

Analysis Batch: 383131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
Boron	0.54		1.00	1.55		mg/L		101	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0535		mg/L		107	75 - 125	2	20
Calcium	100		10.0	109	4	mg/L		65	75 - 125	1	20
Chromium	<0.0050		0.200	0.214		mg/L		105	75 - 125	2	20
Cobalt	<0.0010		0.500	0.508		mg/L		102	75 - 125	2	20
Lead	<0.00050		0.100	0.104		mg/L		103	75 - 125	2	20
Molybdenum	0.0088		1.00	1.01		mg/L		100	75 - 125	4	20
Selenium	0.0052		0.100	0.116		mg/L		111	75 - 125	3	20
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	1	20

Client Sample ID: MW-03

Prep Type: Total Recoverable

Prep Batch: 382717

Lab Sample ID: 500-127245-1 DU

Matrix: Water

Analysis Batch: 383131

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	0.0017		0.00182		mg/L		6	20
Barium	0.11		0.105		mg/L		0.4	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.54		0.559		mg/L		3	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Calcium	100		102		mg/L		0.5	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Molybdenum	0.0088		0.00778		mg/L		12	20
Selenium	0.0052		0.00470		mg/L		9	20
Thallium	<0.0020		<0.0020		mg/L		NC	20

Client Sample ID: MW-03

Prep Type: Total Recoverable

Prep Batch: 382717

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-383326/12-A

Matrix: Water

Analysis Batch: 383570

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020		mg/L		05/02/17 12:00	05/03/17 11:05	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 383326

Lab Sample ID: LCS 500-383326/13-A

Matrix: Water

Analysis Batch: 383570

Analyte	Spike Added	LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
Mercury	0.00200	0.00172		mg/L		86	80 - 120

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 383326

%Rec.

Limits

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 500-127245-2 MS
Matrix: Water
Analysis Batch: 383570

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 383326
%Rec.
Limits

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020		0.00100	0.000832		mg/L		83	75 - 125

Lab Sample ID: 500-127245-2 MSD
Matrix: Water
Analysis Batch: 383570

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 383326
%Rec.
RPD
Limit

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.000889		mg/L		89	75 - 125	7	20

Lab Sample ID: 500-127245-2 DU
Matrix: Water
Analysis Batch: 383570

Client Sample ID: MW-04
Prep Type: Total/NA
Prep Batch: 383326
RPD
Limit

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

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

Lab Sample ID: MB 500-383024/1
Matrix: Water
Analysis Batch: 383024

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			05/01/17 01:12	1

Lab Sample ID: LCS 500-383024/2
Matrix: Water
Analysis Batch: 383024

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	294		mg/L		118	80 - 120

Method: SM 4500 Cl- E - Chloride, Total

Lab Sample ID: MB 500-383025/12
Matrix: Water
Analysis Batch: 383025

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			04/30/17 18:24	1

Lab Sample ID: LCS 500-383025/13
Matrix: Water
Analysis Batch: 383025

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	52.9		mg/L		106	80 - 120

TestAmerica Chicago

MWG13-15_61807
5/11/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

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

Lab Sample ID: 500-127245-3 MS
Matrix: Water
Analysis Batch: 383025

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	190	F1	50.0	228		mg/L		79	75 - 125

Lab Sample ID: 500-127245-3 MSD
Matrix: Water
Analysis Batch: 383025

Client Sample ID: MW-05
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	190	F1	50.0	224	F1	mg/L		71	75 - 125	2	20

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-383193/3
Matrix: Water
Analysis Batch: 383193

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			05/01/17 14:15	1

Lab Sample ID: LCS 500-383193/4
Matrix: Water
Analysis Batch: 383193

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	9.89		mg/L		99	80 - 120

Method: SM 4500 SO4 E - Sulfate, Total

Lab Sample ID: MB 500-383726/3
Matrix: Water
Analysis Batch: 383726

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			05/04/17 10:27	1

Lab Sample ID: LCS 500-383726/4
Matrix: Water
Analysis Batch: 383726

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	18.8		mg/L		94	80 - 120

TestAmerica Chicago



TestAmerica

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Report To:
 Contact: Richard Gnat
 Company: KPRG and Associates, Inc
 Address: 14665 W. Lisbon Rd., Suite 2B
 Brookfield, WI 53005
 Phone: 262-781-0475
 Email: richardg@kprginc.com

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

Lab Lot # 500-127245

Package Sealed Yes No Samples Sealed Yes No
 Received on Ice Yes No Samples Intact Yes No N/A
 Temperature °C of cooler (3.6) / (2.9) / (3.8) / (4.9) / (4.9)
 Within Hold Time Yes No Preserv. Indicated Yes No N/A
 Check OK Yes No Res'CL, Check OK Yes No N/A
 Sample Labels and COC Agree Yes No COC not present

Sampler Name: Ian John Howieson	Project Name: Quarterly-JOLIET #29 CCR	Project Location: Joliet, IL	Lab PM: Eric Lang	COMPANY: KPRG & Associates Inc.	TestAmerica Project Number: 50011568	TAT 15 Days	eric.lang@testamerica.com	#/ Cont. Volume Preserv.	Matrix	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-03	4-26-17 10:43	W	5												
2	MW-04	4-26-17 09:08	W	5												
3	MW-05	4-26-17 11:55	W	5												
4	MW-10	4-26-17 13:22	W	5												
5	Duplicate	4-26-17	W	5												


RELINQUISHED BY: IJH COMPANY: KPRG DATE: 4-27-17 TIME: 13:50

RECEIVED BY: [Signature] COMPANY: TA DATE: 04/27/17 TIME: 1350

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

Container Key
 1 Plastic
 2 VOA Vial
 3 Sterile Plastic
 4 Amber Glass
 5 W/drumout 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. NaCH₃Zn, Cool to 4°
 6. Cool to 4°
 7. None

COMMENTS:

 500-127245 COC

Date Received: 04/27/17
 Courier:
 Hand Delivered
 Bill of Lading: 1 of 1

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-127245-1

Login Number: 127245

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	3,6,2,9,3,8,4,9,4,9
Cooler Temperature is recorded.	True	
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	



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Client Sample ID: MW-03

Date Collected: 04/26/17 10:43

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	384443	05/09/17 13:25	KML	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383131	04/28/17 23:30	FXG	TAL CHI
Total/NA	Prep	7470A			383326	05/02/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	383570	05/03/17 11:35	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	383024	05/01/17 01:32	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	383025	04/30/17 19:06	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	383193	05/01/17 15:08	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	383726		CLB	TAL CHI
						(Start) 05/04/17 10:44		
						(End) 05/04/17 10:45		

Client Sample ID: MW-04

Date Collected: 04/26/17 09:08

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	384443	05/09/17 13:51	KML	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383131	04/28/17 23:49	FXG	TAL CHI
Total/NA	Prep	7470A			383326	05/02/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	383570	05/03/17 11:37	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	383024	05/01/17 01:35	CLB	TAL CHI
Total/NA	Analysis	SM 4500 Cl- E		5	383025	04/30/17 19:07	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	383193	05/01/17 15:11	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	383726		CLB	TAL CHI
						(Start) 05/04/17 10:45		
						(End) 05/04/17 10:46		

Client Sample ID: MW-05

Date Collected: 04/26/17 11:55

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	384443	05/09/17 13:55	KML	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383131	04/28/17 23:53	FXG	TAL CHI
Total/NA	Prep	7470A			383326	05/02/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	383570	05/03/17 11:46	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	383024	05/01/17 01:37	CLB	TAL CHI

TestAmerica Chicago



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 CI- E		5	383025	04/30/17 19:07	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	383193	05/01/17 15:13	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		10	383726		CLB	TAL CHI
						(Start) 05/04/17 10:46		
						(End) 05/04/17 10:47		

Client Sample ID: MW-10

Date Collected: 04/26/17 13:22

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	384443	05/09/17 13:59	KML	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383131	04/28/17 23:57	FXG	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383165	05/01/17 12:12	FXG	TAL CHI
Total/NA	Prep	7470A			383326	05/02/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	383570	05/03/17 11:47	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	383024	05/01/17 01:40	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	383025	04/30/17 19:09	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	383193	05/01/17 15:23	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	383726		CLB	TAL CHI
						(Start) 05/04/17 10:47		
						(End) 05/04/17 10:48		

Client Sample ID: Duplicate

Date Collected: 04/26/17 00:00

Date Received: 04/27/17 13:50

Lab Sample ID: 500-127245-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6010C		1	384443	05/09/17 14:03	KML	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383131	04/29/17 00:01	FXG	TAL CHI
Total Recoverable	Prep	3005A			382717	04/28/17 07:53	JEF	TAL CHI
Total Recoverable	Analysis	6020A		1	383165	05/01/17 12:16	FXG	TAL CHI
Total/NA	Prep	7470A			383326	05/02/17 12:00	MJD	TAL CHI
Total/NA	Analysis	7470A		1	383570	05/03/17 11:49	MJD	TAL CHI
Total/NA	Analysis	SM 2540C		1	383024	05/01/17 01:43	CLB	TAL CHI
Total/NA	Analysis	SM 4500 CI- E		5	383025	04/30/17 19:09	HMW	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	383193	05/01/17 15:26	EAT	TAL CHI
Total/NA	Analysis	SM 4500 SO4 E		5	383726		CLB	TAL CHI
						(Start) 05/04/17 10:48		
						(End) 05/04/17 10:49		

TestAmerica Chicago



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Joliet #29 CCR

TestAmerica Job ID: 500-127245-1

Laboratory References:

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

