

TestAmerica

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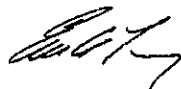
ANALYTICAL REPORT

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

TestAmerica Job ID: 500-111067-1
Client Project/Site: Waukegan Station Ash Ponds

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

Attn: Richard Gnat



Authorized for release by:
5/18/2016 2:44:51 PM

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

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Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Job ID: 500-111067-1

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Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-111067-1

Comments

No additional comments.

Receipt

The samples were received on 5/4/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.9° C, 1.1° C, 2.8° C and 3.4° C.

GC/MS VOA

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

Metals

Method(s) 6020A: The low level continuing calibration verification (CCVL) associated with batch 500-335606 recovered above the upper control limit for Copper. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 6020A: The following sample was diluted due to the abundance of non-target analytes: ELUC MW-10 (500-111067-1). Elevated reporting limits (RLs) are provided.

Method(s) 6020A: The following samples was diluted due to the abundance of non-target analytes: ELUC MW-15 (500-111067-2), ELUC MW-12 (500-111067-3) and ELUC MW-11 (500-111067-4). Elevated reporting limits (RLs) are provided.

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

Field Service / Mobile Lab

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

General Chemistry

Method(s) SM 4500 NO3 F: The SEAL2 continuing calibration verifications (CCVs) associated with batch 500-335480 recovered above the upper control limit for Nitrate-Nitrite. The samples associated with this CCV were batch and matrix QC which met acceptance criteria for the affected analyte; therefore, the data have been reported. The following samples are impacted: (LCS 500-335480/33) and (MB 500-335480/32).

Method(s) 314.0: The matrix spike (MS) recoveries for perchlorate for analytical batch 320-110346 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-10

Lab Sample ID: 500-111067-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.46		0.0010		mg/L	1			6020A	Dissolved
Barium	0.057		0.0025		mg/L	1			6020A	Dissolved
Boron	1.9		0.10		mg/L	2			6020A	Dissolved
Cobalt	0.0011		0.0010		mg/L	1			6020A	Dissolved
Iron	11		0.10		mg/L	1			6020A	Dissolved
Manganese	0.22		0.0025		mg/L	1			6020A	Dissolved
Nickel	0.0021		0.0020		mg/L	1			6020A	Dissolved
Sulfate	110		20		mg/L	4			9038	Dissolved
Chloride	110		10		mg/L	5			9251	Dissolved
Nitrogen, Nitrate	0.31		0.10		mg/L	1			Nitrate by calc	Dissolved
Total Dissolved Solids	810		10		mg/L	1			SM 2540C	Dissolved
Fluoride	0.13		0.10		mg/L	1			SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.31		0.10		mg/L	1			SM 4500 NO3 F	Dissolved

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Client Sample ID: ELUC MW-15

Lab Sample ID: 500-111067-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Toluene	0.0017		0.00050		mg/L	1			8260B	Total/NA
Arsenic	0.0060		0.0020		mg/L	2			6020A	Dissolved
Barium	0.092		0.0025		mg/L	1			6020A	Dissolved
Boron	10		5.0		mg/L	100			6020A	Dissolved
Cobalt	0.0016		0.0010		mg/L	1			6020A	Dissolved
Iron	13		0.10		mg/L	1			6020A	Dissolved
Manganese	0.50		0.0025		mg/L	1			6020A	Dissolved
Nickel	0.0026		0.0020		mg/L	1			6020A	Dissolved
Sulfate	370		100		mg/L	20			9038	Dissolved
Chloride	76		10		mg/L	5			9251	Dissolved
Total Dissolved Solids	1000		10		mg/L	1			SM 2540C	Dissolved
Fluoride	0.25		0.10		mg/L	1			SM 4500 F C	Dissolved

Client Sample ID: ELUC MW-12

Lab Sample ID: 500-111067-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0042		0.0020		mg/L	2			6020A	Dissolved
Barium	0.14		0.0025		mg/L	1			6020A	Dissolved
Boron	18		5.0		mg/L	100			6020A	Dissolved
Cobalt	0.0049		0.0010		mg/L	1			6020A	Dissolved
Iron	2.3		0.10		mg/L	1			6020A	Dissolved
Manganese	0.33		0.0025		mg/L	1			6020A	Dissolved
Nickel	0.0079		0.0020		mg/L	1			6020A	Dissolved
Zinc	0.040		0.020		mg/L	1			6020A	Dissolved
Sulfate	350		100		mg/L	20			9038	Dissolved
Chloride	120		10		mg/L	5			9251	Dissolved
Total Dissolved Solids	980		10		mg/L	1			SM 2540C	Dissolved
Fluoride	0.19		0.10		mg/L	1			SM 4500 F C	Dissolved

Client Sample ID: ELUC MW-11

Lab Sample ID: 500-111067-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.48		0.0020		mg/L	2			6020A	Dissolved

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: KPRG and Associates, Inc.
 Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-11 (Continued)

Lab Sample ID: 500-111067-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0025		mg/L	1		6020A	Dissolved
Boron	5.2		1.0		mg/L	20		6020A	Dissolved
Iron	2.9		0.10		mg/L	1		6020A	Dissolved
Manganese	0.21		0.0025		mg/L	1		6020A	Dissolved
Sulfate	150		25		mg/L	5		9038	Dissolved
Chloride	280		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.11		0.10		mg/L	1		SM 4500 F C	Dissolved

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Client Sample ID: ELUC MW-14

Lab Sample ID: 500-111067-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0014		0.00050		mg/L	1		8260B	Total/NA
Arsenic	0.20		0.0010		mg/L	1		6020A	Dissolved
Barium	0.049		0.0025		mg/L	1		6020A	Dissolved
Boron	1.0	F1	0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0016		0.0010		mg/L	1		6020A	Dissolved
Iron	1.1		0.10		mg/L	1		6020A	Dissolved
Manganese	0.094		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0026		0.0020		mg/L	1		6020A	Dissolved
Sulfate	150		50		mg/L	10		9038	Dissolved
Chloride	120		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	960		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.19		0.10		mg/L	1		SM 4500 F C	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
314.0	Perchlorate (IC)	EPA	TAL SAC
6020A	Metals (ICP/MS)	SW846	TAL CHI
7470A	Mercury (CVAA)	SW846	TAL CHI
9014	Cyanide	SW846	TAL CHI
9038	Sulfate, Turbidimetric	SW846	TAL CHI
9251	Chloride	SW846	TAL CHI
Nitrate by calc	Nitrogen, Nitrate-Nitrite	SM	TAL CHI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL CHI
SM 4500 F C	Fluoride	SM	TAL CHI
SM 4500 NO2 B	Nitrogen, Nitrite	SM	TAL CHI
SM 4500 NO3 F	Nitrogen, Nitrate	SM	TAL CHI

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Protocol References:

EPA = US Environmental Protection Agency

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

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

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Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-111067-1	ELUC MW-10	Water	05/03/16 15:06	05/04/16 10:25
500-111067-2	ELUC MW-15	Water	05/03/16 11:35	05/04/16 10:25
500-111067-3	ELUC MW-12	Water	05/04/16 16:42	05/05/16 10:20
500-111067-4	ELUC MW-11	Water	05/05/16 10:45	05/05/16 15:30
500-111067-5	ELUC MW-14	Water	05/05/16 08:51	05/05/16 15:30

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TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-10

Lab Sample ID: 500-111067-1

Date Collected: 05/03/16 15:06

Matrix: Water

Date Received: 05/04/16 10:25

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/15/16 13:29	1
Toluene	<0.00050		0.00050		mg/L			05/15/16 13:29	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 13:29	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 13:29	1
Surrogate									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127					05/15/16 13:29	1
Toluene-d8 (Surr)	94		75 - 120					05/15/16 13:29	1
4-Bromofluorobenzene (Surr)	87		71 - 120					05/15/16 13:29	1
Dibromofluoromethane	94		70 - 120					05/15/16 13:29	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/16/16 22:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 16:35	1
Arsenic	0.46		0.0010		mg/L		05/12/16 12:51	05/13/16 15:30	1
Barium	0.057		0.0025		mg/L		05/12/16 12:51	05/12/16 16:35	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 16:35	1
Boron	1.9		0.10		mg/L		05/12/16 12:51	05/16/16 14:53	2
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:35	1
Chromium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/13/16 15:30	1
Cobalt	0.0011		0.0010		mg/L		05/12/16 12:51	05/12/16 16:35	1
Copper	<0.0040		0.0040		mg/L		05/12/16 12:51	05/16/16 14:53	2
Iron	11		0.10		mg/L		05/12/16 12:51	05/12/16 16:35	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:35	1
Manganese	0.22		0.0025		mg/L		05/12/16 12:51	05/12/16 16:35	1
Nickel	0.0021		0.0020		mg/L		05/12/16 12:51	05/12/16 16:35	1
Selenium	<0.0025		0.0025		mg/L		05/12/16 12:51	05/13/16 15:30	1
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:35	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 16:35	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 16:35	1
Zinc	<0.020		0.020		mg/L		05/12/16 12:51	05/12/16 16:35	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 12:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:48	1
Sulfate	110		20		mg/L			05/13/16 07:31	4
Chloride	110		10		mg/L			05/11/16 02:16	5
Nitrogen, Nitrate	0.31		0.10		mg/L			05/16/16 12:10	1
Total Dissolved Solids	810		10		mg/L			05/06/16 03:49	1
Fluoride	0.13		0.10		mg/L			05/14/16 20:40	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/16 15:17	1
Nitrogen, Nitrate Nitrite	0.31		0.10		mg/L			05/13/16 20:18	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-15

Lab Sample ID: 500-111067-2

Date Collected: 05/03/16 11:35

Matrix: Water

Date Received: 05/04/16 10:25

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/15/16 13:56	1
Toluene	0.0017		0.00050		mg/L			05/15/16 13:56	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 13:56	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 13:56	1
Surrogate									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 127					05/15/16 13:56	1
Toluene-d8 (Surr)	94		75 - 120					05/15/16 13:56	1
4-Bromofluorobenzene (Surr)	87		71 - 120					05/15/16 13:56	1
Dibromofluoromethane	93		70 - 120					05/15/16 13:56	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/16/16 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 16:40	1
Arsenic	0.0060		0.0020		mg/L		05/12/16 12:51	05/17/16 14:27	2
Barium	0.092		0.0025		mg/L		05/12/16 12:51	05/12/16 16:40	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 16:40	1
Boron	10		5.0		mg/L		05/12/16 12:51	05/13/16 14:46	100
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:40	1
Chromium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/16/16 15:56	1
Cobalt	0.0016		0.0010		mg/L		05/12/16 12:51	05/12/16 16:40	1
Copper	<0.0020		0.0020		mg/L		05/12/16 12:51	05/16/16 15:56	1
Iron	13		0.10		mg/L		05/12/16 12:51	05/12/16 16:40	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:40	1
Manganese	0.50		0.0025		mg/L		05/12/16 12:51	05/12/16 16:40	1
Nickel	0.0026		0.0020		mg/L		05/12/16 12:51	05/12/16 16:40	1
Selenium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/17/16 14:27	2
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:40	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 16:40	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 16:40	1
Zinc	<0.020		0.020		mg/L		05/12/16 12:51	05/12/16 16:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 12:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:48	1
Sulfate	370		100		mg/L			05/13/16 07:32	20
Chloride	76		10		mg/L			05/11/16 02:17	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/16/16 12:10	1
Total Dissolved Solids	1000		10		mg/L			05/06/16 03:52	1
Fluoride	0.25		0.10		mg/L			05/14/16 20:43	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/16 15:18	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/13/16 20:19	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-12

Lab Sample ID: 500-111067-3

Date Collected: 05/04/16 16:42

Matrix: Water

Date Received: 05/05/16 10:20

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/15/16 14:24	1
Toluene	<0.00050		0.00050		mg/L			05/15/16 14:24	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 14:24	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 14:24	1
Surrogate									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127					05/15/16 14:24	1
Toluene-d8 (Surr)	92		75 - 120					05/15/16 14:24	1
4-Bromofluorobenzene (Surr)	87		71 - 120					05/15/16 14:24	1
Dibromofluoromethane	91		70 - 120					05/15/16 14:24	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/17/16 23:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 16:44	1
Arsenic	0.0042		0.0020		mg/L		05/12/16 12:51	05/17/16 14:31	2
Barium	0.14		0.0025		mg/L		05/12/16 12:51	05/12/16 16:44	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 16:44	1
Boron	18		5.0		mg/L		05/12/16 12:51	05/13/16 14:56	100
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:44	1
Chromium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/16/16 15:59	1
Cobalt	0.0049		0.0010		mg/L		05/12/16 12:51	05/12/16 16:44	1
Copper	<0.0020		0.0020		mg/L		05/12/16 12:51	05/16/16 15:59	1
Iron	2.3		0.10		mg/L		05/12/16 12:51	05/12/16 16:44	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:44	1
Manganese	0.33		0.0025		mg/L		05/12/16 12:51	05/12/16 16:44	1
Nickel	0.0079		0.0020		mg/L		05/12/16 12:51	05/12/16 16:44	1
Selenium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/17/16 14:31	2
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:44	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 16:44	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 16:44	1
Zinc	0.040		0.020		mg/L		05/12/16 12:51	05/12/16 16:44	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 12:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:49	1
Sulfate	350		100		mg/L			05/16/16 00:08	20
Chloride	120		10		mg/L			05/11/16 02:17	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/16/16 12:10	1
Total Dissolved Solids	980		10		mg/L			05/06/16 03:55	1
Fluoride	0.19		0.10		mg/L			05/14/16 20:45	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/05/16 14:22	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/13/16 20:20	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-11

Lab Sample ID: 500-111067-4

Date Collected: 05/05/16 10:45

Matrix: Water

Date Received: 05/05/16 15:30

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/15/16 14:51	1
Toluene	<0.00050		0.00050		mg/L			05/15/16 14:51	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 14:51	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 14:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 127					05/15/16 14:51	1
Toluene-d8 (Surr)	93		75 - 120					05/15/16 14:51	1
4-Bromofluorobenzene (Surr)	86		71 - 120					05/15/16 14:51	1
Dibromofluoromethane	94		70 - 120					05/15/16 14:51	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/17/16 23:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 16:49	1
Arsenic	0.48		0.0020		mg/L		05/12/16 12:51	05/17/16 14:34	2
Barium	0.037		0.0025		mg/L		05/12/16 12:51	05/12/16 16:49	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 16:49	1
Boron	5.2		1.0		mg/L		05/12/16 12:51	05/16/16 14:24	20
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:49	1
Chromium	<0.010		0.010		mg/L		05/12/16 12:51	05/17/16 14:34	2
Cobalt	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 16:49	1
Copper	<0.0040		0.0040		mg/L		05/12/16 12:51	05/17/16 14:34	2
Iron	2.9		0.10		mg/L		05/12/16 12:51	05/12/16 16:49	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:49	1
Manganese	0.21		0.0025		mg/L		05/12/16 12:51	05/12/16 16:49	1
Nickel	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 16:49	1
Selenium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/17/16 14:34	2
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 16:49	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 16:49	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 16:49	1
Zinc	<0.020		0.020		mg/L		05/12/16 12:51	05/12/16 16:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 12:35	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:49	1
Sulfate	150		25		mg/L			05/16/16 00:11	5
Chloride	280		10		mg/L			05/11/16 02:18	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/16/16 12:10	1
Total Dissolved Solids	1100		10		mg/L			05/06/16 03:58	1
Fluoride	0.11		0.10		mg/L			05/14/16 20:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/06/16 16:16	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/13/16 20:21	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Client Sample ID: ELUC MW-14

Lab Sample ID: 500-111067-5

Date Collected: 05/05/16 08:51

Matrix: Water

Date Received: 05/05/16 15:30

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Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/15/16 15:19	1
Toluene	0.0014		0.00050		mg/L			05/15/16 15:19	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 15:19	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 15:19	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		71 - 127					05/15/16 15:19	1
Toluene-d8 (Surr)	93		75 - 120					05/15/16 15:19	1
4-Bromofluorobenzene (Surr)	86		71 - 120					05/15/16 15:19	1
Dibromofluoromethane	93		70 - 120					05/15/16 15:19	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/18/16 00:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 17:03	1
Arsenic	0.20		0.0010		mg/L		05/12/16 12:51	05/13/16 15:41	1
Barium	0.049		0.0025		mg/L		05/12/16 12:51	05/12/16 17:03	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 17:03	1
Boron	1.0	F1	0.050		mg/L		05/12/16 12:51	05/16/16 14:57	1
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 17:03	1
Chromium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/13/16 15:41	1
Cobalt	0.0016		0.0010		mg/L		05/12/16 12:51	05/12/16 17:03	1
Copper	<0.0020	^	0.0020		mg/L		05/12/16 12:51	05/13/16 15:41	1
Iron	1.1		0.10		mg/L		05/12/16 12:51	05/12/16 17:03	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 17:03	1
Manganese	0.094		0.0025		mg/L		05/12/16 12:51	05/12/16 17:03	1
Nickel	0.0026		0.0020		mg/L		05/12/16 12:51	05/12/16 17:03	1
Selenium	<0.0025		0.0025		mg/L		05/12/16 12:51	05/13/16 15:41	1
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 17:03	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 17:03	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 17:03	1
Zinc	<0.020		0.020		mg/L		05/12/16 12:51	05/12/16 17:03	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 12:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:49	1
Sulfate	150		50		mg/L			05/16/16 00:12	10
Chloride	120		10		mg/L			05/11/16 02:18	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/16/16 12:10	1
Total Dissolved Solids	960		10		mg/L			05/06/16 04:01	1
Fluoride	0.19		0.10		mg/L			05/14/16 21:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/06/16 16:18	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/13/16 20:22	1

TestAmerica Chicago

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Qualifiers

Metals

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

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

GC/MS VOA

Analysis Batch: 335491

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Total/NA	Water	8260B	
500-111067-2	ELUC MW-15	Total/NA	Water	8260B	
500-111067-3	ELUC MW-12	Total/NA	Water	8260B	
500-111067-4	ELUC MW-11	Total/NA	Water	8260B	
500-111067-5	ELUC MW-14	Total/NA	Water	8260B	
LCS 500-335491/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-335491/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 110346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Total/NA	Water	314.0	
500-111067-2	ELUC MW-15	Total/NA	Water	314.0	
LCS 320-110346/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-110346/6	Method Blank	Total/NA	Water	314.0	
MRL 320-110346/5	Lab Control Sample	Total/NA	Water	314.0	

Analysis Batch: 110351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-3	ELUC MW-12	Total/NA	Water	314.0	
500-111067-3 MS	ELUC MW-12	Total/NA	Water	314.0	
500-111067-3 MSD	ELUC MW-12	Total/NA	Water	314.0	
500-111067-4	ELUC MW-11	Total/NA	Water	314.0	
500-111067-5	ELUC MW-14	Total/NA	Water	314.0	
LCS 320-110351/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-110351/6	Method Blank	Total/NA	Water	314.0	
MRL 320-110351/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 334318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	7470A	
500-111067-2	ELUC MW-15	Dissolved	Water	7470A	
500-111067-3	ELUC MW-12	Dissolved	Water	7470A	
500-111067-4	ELUC MW-11	Dissolved	Water	7470A	
500-111067-5	ELUC MW-14	Dissolved	Water	7470A	
LCS 500-334318/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-334318/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 334578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	7470A	334318
500-111067-2	ELUC MW-15	Dissolved	Water	7470A	334318
500-111067-3	ELUC MW-12	Dissolved	Water	7470A	334318
500-111067-4	ELUC MW-11	Dissolved	Water	7470A	334318
500-111067-5	ELUC MW-14	Dissolved	Water	7470A	334318
LCS 500-334318/13-A	Lab Control Sample	Total/NA	Water	7470A	334318
MB 500-334318/12-A	Method Blank	Total/NA	Water	7470A	334318

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Metals (Continued)

Prep Batch: 335191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	Soluble Metals	
500-111067-2	ELUC MW-15	Dissolved	Water	Soluble Metals	
500-111067-3	ELUC MW-12	Dissolved	Water	Soluble Metals	
500-111067-4	ELUC MW-11	Dissolved	Water	Soluble Metals	
500-111067-5	ELUC MW-14	Dissolved	Water	Soluble Metals	
500-111067-5 DU	ELUC MW-14	Dissolved	Water	Soluble Metals	
500-111067-5 MS	ELUC MW-14	Dissolved	Water	Soluble Metals	
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	Soluble Metals	
LCS 500-335191/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-335191/1-A	Method Blank	Soluble	Water	Soluble Metals	

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Analysis Batch: 335300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	6020A	335191
500-111067-2	ELUC MW-15	Dissolved	Water	6020A	335191
500-111067-3	ELUC MW-12	Dissolved	Water	6020A	335191
500-111067-4	ELUC MW-11	Dissolved	Water	6020A	335191
500-111067-5	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 DU	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MS	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	6020A	335191
LCS 500-335191/2-A	Lab Control Sample	Soluble	Water	6020A	335191
MB 500-335191/1-A	Method Blank	Soluble	Water	6020A	335191

Analysis Batch: 335606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	6020A	335191
500-111067-2	ELUC MW-15	Dissolved	Water	6020A	335191
500-111067-3	ELUC MW-12	Dissolved	Water	6020A	335191
500-111067-5	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 DU	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MS	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	6020A	335191
LCS 500-335191/2-A	Lab Control Sample	Soluble	Water	6020A	335191
MB 500-335191/1-A	Method Blank	Soluble	Water	6020A	335191

Analysis Batch: 335695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	6020A	335191
500-111067-2	ELUC MW-15	Dissolved	Water	6020A	335191
500-111067-3	ELUC MW-12	Dissolved	Water	6020A	335191
500-111067-4	ELUC MW-11	Dissolved	Water	6020A	335191
500-111067-5	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 DU	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MS	ELUC MW-14	Dissolved	Water	6020A	335191
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	6020A	335191

Analysis Batch: 335910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-2	ELUC MW-15	Dissolved	Water	6020A	335191
500-111067-3	ELUC MW-12	Dissolved	Water	6020A	335191

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Metals (Continued)

Analysis Batch: 335910 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-4	ELUC MW-11	Dissolved	Water	6020A	335191

General Chemistry

Analysis Batch: 334169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-3	ELUC MW-12	Dissolved	Water	SM 4500 NO2 B	
LCS 500-334169/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-334169/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

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Analysis Batch: 334239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	SM 2540C	
500-111067-2	ELUC MW-15	Dissolved	Water	SM 2540C	
500-111067-3	ELUC MW-12	Dissolved	Water	SM 2540C	
500-111067-4	ELUC MW-11	Dissolved	Water	SM 2540C	
500-111067-5	ELUC MW-14	Dissolved	Water	SM 2540C	
LCS 500-334239/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-334239/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 334707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	SM 4500 NO2 B	
500-111067-2	ELUC MW-15	Dissolved	Water	SM 4500 NO2 B	
LCS 500-334707/32	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-334707/31	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 334717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-4	ELUC MW-11	Dissolved	Water	SM 4500 NO2 B	
500-111067-4 MS	ELUC MW-11	Dissolved	Water	SM 4500 NO2 B	
500-111067-4 MSD	ELUC MW-11	Dissolved	Water	SM 4500 NO2 B	
500-111067-5	ELUC MW-14	Dissolved	Water	SM 4500 NO2 B	
LCS 500-334717/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-334717/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Prep Batch: 335144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	9010B	
500-111067-2	ELUC MW-15	Dissolved	Water	9010B	
500-111067-3	ELUC MW-12	Dissolved	Water	9010B	
500-111067-4	ELUC MW-11	Dissolved	Water	9010B	
500-111067-5	ELUC MW-14	Dissolved	Water	9010B	
500-111067-5 MS	ELUC MW-14	Dissolved	Water	9010B	
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	9010B	
LCS 500-335144/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-335144/1-A	Method Blank	Total/NA	Water	9010B	

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

General Chemistry (Continued)

Analysis Batch: 335224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	9251	
500-111067-2	ELUC MW-15	Dissolved	Water	9251	
500-111067-3	ELUC MW-12	Dissolved	Water	9251	
500-111067-4	ELUC MW-11	Dissolved	Water	9251	
500-111067-5	ELUC MW-14	Dissolved	Water	9251	
500-111067-5 MS	ELUC MW-14	Dissolved	Water	9251	
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	9251	
LCS 500-335224/23	Lab Control Sample	Total/NA	Water	9251	
MB 500-335224/19	Method Blank	Total/NA	Water	9251	

Analysis Batch: 335292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	9038	
500-111067-2	ELUC MW-15	Dissolved	Water	9038	
LCS 500-335292/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-335292/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 335317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	9014	335144
500-111067-2	ELUC MW-15	Dissolved	Water	9014	335144
500-111067-3	ELUC MW-12	Dissolved	Water	9014	335144
500-111067-4	ELUC MW-11	Dissolved	Water	9014	335144
500-111067-5	ELUC MW-14	Dissolved	Water	9014	335144
500-111067-5 MS	ELUC MW-14	Dissolved	Water	9014	335144
500-111067-5 MSD	ELUC MW-14	Dissolved	Water	9014	335144
LCS 500-335144/2-A	Lab Control Sample	Total/NA	Water	9014	335144
MB 500-335144/1-A	Method Blank	Total/NA	Water	9014	335144

Analysis Batch: 335480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	SM 4500 NO3 F	
500-111067-2	ELUC MW-15	Dissolved	Water	SM 4500 NO3 F	
500-111067-3	ELUC MW-12	Dissolved	Water	SM 4500 NO3 F	
500-111067-4	ELUC MW-11	Dissolved	Water	SM 4500 NO3 F	
500-111067-5	ELUC MW-14	Dissolved	Water	SM 4500 NO3 F	
LCS 500-335480/33	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-335480/32	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 335515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	SM 4500 F C	
500-111067-2	ELUC MW-15	Dissolved	Water	SM 4500 F C	
500-111067-3	ELUC MW-12	Dissolved	Water	SM 4500 F C	
500-111067-4	ELUC MW-11	Dissolved	Water	SM 4500 F C	
500-111067-5	ELUC MW-14	Dissolved	Water	SM 4500 F C	
LCS 500-335515/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-335515/3	Method Blank	Total/NA	Water	SM 4500 F C	

TestAmerica Chicago

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

General Chemistry (Continued)

Analysis Batch: 335539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-3	ELUC MW-12	Dissolved	Water	9038	
500-111067-3 MS	ELUC MW-12	Dissolved	Water	9038	
500-111067-3 MSD	ELUC MW-12	Dissolved	Water	9038	
500-111067-4	ELUC MW-11	Dissolved	Water	9038	
500-111067-5	ELUC MW-14	Dissolved	Water	9038	
LCS 500-335539/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-335539/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 335630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-111067-1	ELUC MW-10	Dissolved	Water	Nitrate by calc	
500-111067-2	ELUC MW-15	Dissolved	Water	Nitrate by calc	
500-111067-3	ELUC MW-12	Dissolved	Water	Nitrate by calc	
500-111067-4	ELUC MW-11	Dissolved	Water	Nitrate by calc	
500-111067-5	ELUC MW-14	Dissolved	Water	Nitrate by calc	

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TestAmerica Chicago

Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (71-127)	TOL (75-120)	BFB (71-120)	DBFM (70-120)
500-111067-1	ELUC MW-10	101	94	87	94
500-111067-2	ELUC MW-15	102	94	87	93
500-111067-3	ELUC MW-12	100	92	87	91
500-111067-4	ELUC MW-11	103	93	86	94
500-111067-5	ELUC MW-14	102	93	86	93
LCS 500-335491/4	Lab Control Sample	94	90	94	84
MB 500-335491/6	Method Blank	99	97	78	90

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

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TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-335491/6										Client Sample ID: Method Blank	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 335491											
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
	Result	Qualifier									
Benzene	<0.00050		0.00050		mg/L			05/15/16 07:58		1	
Toluene	<0.00050		0.00050		mg/L			05/15/16 07:58		1	
Ethylbenzene	<0.00050		0.00050		mg/L			05/15/16 07:58		1	
Xylenes, Total	<0.0010		0.0010		mg/L			05/15/16 07:58		1	
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier									
1,2-Dichloroethane-d4 (Surr)	99		71 - 127				05/15/16 07:58		1		
Toluene-d8 (Surr)	97		75 - 120				05/15/16 07:58		1		
4-Bromofluorobenzene (Surr)	78		71 - 120				05/15/16 07:58		1		
Dibromofluoromethane	90		70 - 120				05/15/16 07:58		1		

Lab Sample ID: LCS 500-335491/4										Client Sample ID: Lab Control Sample	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 335491											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0500	0.0420		mg/L		84	70 - 125		
Toluene			0.0500	0.0415		mg/L		83	70 - 125		
Ethylbenzene			0.0500	0.0434		mg/L		87	70 - 125		
Xylenes, Total			0.100	0.0861		mg/L		86	70 - 125		
Surrogate	LCS LCS		Limits					%Rec	%Rec. Limits		
	%Recovery	Qualifier									
1,2-Dichloroethane-d4 (Surr)	94		71 - 127								
Toluene-d8 (Surr)	90		75 - 120								
4-Bromofluorobenzene (Surr)	94		71 - 120								
Dibromofluoromethane	84		70 - 120								

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-110346/6										Client Sample ID: Method Blank	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 110346											
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
	Result	Qualifier									
Perchlorate	<0.0040		0.0040		mg/L			05/16/16 15:14		1	

Lab Sample ID: LCS 320-110346/7										Client Sample ID: Lab Control Sample	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 110346											
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Perchlorate			0.0500	0.0501		mg/L		100	85 - 115		

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-110346/5
Matrix: Water
Analysis Batch: 110346

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	<4.0		ug/L		95	75 - 125

Lab Sample ID: MB 320-110351/6
Matrix: Water
Analysis Batch: 110351

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/17/16 19:46	1

Lab Sample ID: LCS 320-110351/7
Matrix: Water
Analysis Batch: 110351

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.0500	0.0482		mg/L		96	85 - 115

Lab Sample ID: MRL 320-110351/5
Matrix: Water
Analysis Batch: 110351

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	<4.0		ug/L		87	75 - 125

Lab Sample ID: 500-111067-3 MS
Matrix: Water
Analysis Batch: 110351

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	<0.0040		0.0500	0.0409		mg/L		82	80 - 120

Lab Sample ID: 500-111067-3 MSD
Matrix: Water
Analysis Batch: 110351

Client Sample ID: ELUC 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
Perchlorate	<0.0040		0.0500	0.0410		mg/L		82	80 - 120	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335300

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.479		mg/L		95	75 - 125
Barium	0.049		0.500	0.499		mg/L		90	75 - 125
Beryllium	<0.0010		0.0500	0.0508		mg/L		102	75 - 125
Cadmium	<0.00050		0.0500	0.0480		mg/L		96	75 - 125
Cobalt	0.0016		0.500	0.453		mg/L		90	75 - 125

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

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

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335300

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Iron	1.1		1.00	2.03		mg/L		97	75 - 125
Lead	<0.00050		0.100	0.0946		mg/L		95	75 - 125
Manganese	0.094		0.500	0.569		mg/L		95	75 - 125
Nickel	0.0026		0.500	0.449		mg/L		89	75 - 125
Silver	<0.00050		0.0500	0.0441		mg/L		88	75 - 125
Thallium	<0.0020		0.100	0.0972		mg/L		97	75 - 125
Vanadium	<0.0050		0.500	0.455		mg/L		91	75 - 125
Zinc	<0.020		0.500	0.504		mg/L		100	75 - 125

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335606

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.20		0.100	0.301		mg/L		98	75 - 125
Chromium	<0.0050		0.200	0.187		mg/L		91	75 - 125
Copper	<0.0020	^	0.250	0.239	^	mg/L		96	75 - 125
Selenium	<0.0025		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335695

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Boron	1.0	F1	1.00	1.03	F1	mg/L		4	75 - 125

Lab Sample ID: 500-111067-5 MSD
Matrix: Water
Analysis Batch: 335300

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.455		mg/L		91	75 - 125	5	20
Barium	0.049		0.500	0.476		mg/L		85	75 - 125	5	20
Beryllium	<0.0010		0.0500	0.0485		mg/L		97	75 - 125	5	20
Cadmium	<0.00050		0.0500	0.0455		mg/L		91	75 - 125	5	20
Cobalt	0.0016		0.500	0.432		mg/L		86	75 - 125	5	20
Iron	1.1		1.00	1.99		mg/L		93	75 - 125	2	20
Lead	<0.00050		0.100	0.0891		mg/L		89	75 - 125	6	20
Manganese	0.094		0.500	0.545		mg/L		90	75 - 125	4	20
Nickel	0.0026		0.500	0.425		mg/L		85	75 - 125	6	20
Silver	<0.00050		0.0500	0.0424		mg/L		85	75 - 125	4	20
Thallium	<0.0020		0.100	0.0912		mg/L		91	75 - 125	6	20
Vanadium	<0.0050		0.500	0.429		mg/L		86	75 - 125	6	20
Zinc	<0.020		0.500	0.480		mg/L		95	75 - 125	5	20

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

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

Lab Sample ID: 500-111067-5 MSD
Matrix: Water
Analysis Batch: 335606

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Arsenic	0.20		0.100	0.302		mg/L		100	75 - 125	1	20
Chromium	<0.0050		0.200	0.187		mg/L		91	75 - 125	0	20
Copper	<0.0020	^	0.250	0.239	^	mg/L		96	75 - 125	0	20
Selenium	<0.0025		0.100	0.102		mg/L		102	75 - 125	0	20

Lab Sample ID: 500-111067-5 MSD
Matrix: Water
Analysis Batch: 335695

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Boron	1.0	F1	1.00	1.03	F1	mg/L		3	75 - 125	0	20

Lab Sample ID: 500-111067-5 DU
Matrix: Water
Analysis Batch: 335300

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Barium	0.049		0.0483		mg/L		0.8	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Cobalt	0.0016		0.00163		mg/L		1	20
Copper	<0.0020	^	<0.0020		mg/L		NC	20
Iron	1.1		1.07		mg/L		0.8	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Manganese	0.094		0.0957		mg/L		1	20
Nickel	0.0026		0.00286		mg/L		10	20
Silver	<0.00050		<0.00050		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20
Vanadium	<0.0050		<0.0050		mg/L		NC	20
Zinc	<0.020		<0.020		mg/L		NC	20

Lab Sample ID: 500-111067-5 DU
Matrix: Water
Analysis Batch: 335606

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Arsenic	0.20		0.202		mg/L		0.08	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Copper	<0.0020	^	<0.0020		mg/L		NC	20
Selenium	<0.0025		<0.0025		mg/L		NC	20

Lab Sample ID: 500-111067-5 DU
Matrix: Water
Analysis Batch: 335695

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335191

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Boron	1.0	F1	1.02		mg/L		2	20

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

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

Lab Sample ID: MB 500-335191/1-A
Matrix: Water
Analysis Batch: 335300

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 335191

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		05/12/16 12:51	05/12/16 15:30	1
Barium	<0.0025		0.0025		mg/L		05/12/16 12:51	05/12/16 15:30	1
Beryllium	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 15:30	1
Cadmium	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 15:30	1
Cobalt	<0.0010		0.0010		mg/L		05/12/16 12:51	05/12/16 15:30	1
Iron	<0.10		0.10		mg/L		05/12/16 12:51	05/12/16 15:30	1
Lead	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 15:30	1
Manganese	<0.0025		0.0025		mg/L		05/12/16 12:51	05/12/16 15:30	1
Nickel	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 15:30	1
Silver	<0.00050		0.00050		mg/L		05/12/16 12:51	05/12/16 15:30	1
Thallium	<0.0020		0.0020		mg/L		05/12/16 12:51	05/12/16 15:30	1
Vanadium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/12/16 15:30	1
Zinc	<0.020		0.020		mg/L		05/12/16 12:51	05/12/16 15:30	1



Lab Sample ID: MB 500-335191/1-A
Matrix: Water
Analysis Batch: 335606

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 335191

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	<0.0010		0.0010		mg/L		05/12/16 12:51	05/13/16 14:13	1
Boron	<0.050		0.050		mg/L		05/12/16 12:51	05/13/16 14:13	1
Chromium	<0.0050		0.0050		mg/L		05/12/16 12:51	05/13/16 14:13	1
Copper	<0.0020		0.0020		mg/L		05/12/16 12:51	05/13/16 14:13	1
Selenium	<0.0025		0.0025		mg/L		05/12/16 12:51	05/13/16 14:13	1

Lab Sample ID: LCS 500-335191/2-A
Matrix: Water
Analysis Batch: 335300

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 335191
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Barium	0.500	0.470		mg/L		94	80 - 120
Beryllium	0.0500	0.0501		mg/L		100	80 - 120
Cadmium	0.0500	0.0494		mg/L		99	80 - 120
Cobalt	0.500	0.511		mg/L		102	80 - 120
Iron	1.00	1.06		mg/L		106	80 - 120
Lead	0.100	0.0943		mg/L		94	80 - 120
Manganese	0.500	0.508		mg/L		102	80 - 120
Nickel	0.500	0.516		mg/L		103	80 - 120
Silver	0.0500	0.0523		mg/L		105	80 - 120
Thallium	0.100	0.0946		mg/L		95	80 - 120
Vanadium	0.500	0.487		mg/L		97	80 - 120
Zinc	0.500	0.509		mg/L		102	80 - 120

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

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

Lab Sample ID: LCS 500-335191/2-A
Matrix: Water
Analysis Batch: 335606

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 335191
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.0964		mg/L		96	80 - 120
Boron	1.00	0.989		mg/L		99	80 - 120
Chromium	0.200	0.190		mg/L		95	80 - 120
Copper	0.250	0.244		mg/L		98	80 - 120
Selenium	0.100	0.0963		mg/L		96	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-334318/12-A
Matrix: Water
Analysis Batch: 334578

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 334318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/06/16 14:30	05/09/16 11:48	1

91

Lab Sample ID: LCS 500-334318/13-A
Matrix: Water
Analysis Batch: 334578

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 334318
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00204		mg/L		102	80 - 120

Method: 9014 - Cyanide

Lab Sample ID: MB 500-335144/1-A
Matrix: Water
Analysis Batch: 335317

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 335144

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/16 12:20	05/12/16 15:45	1

Lab Sample ID: LCS 500-335144/2-A
Matrix: Water
Analysis Batch: 335317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 335144
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.100	0.114		mg/L		114	80 - 120

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335317

Client Sample ID: ELUC MW-14
Prep Type: Dissolved
Prep Batch: 335144
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.010		0.0400	0.0469		mg/L		117	75 - 125

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: 9014 - Cyanide (Continued)

Lab Sample ID: 500-111067-5 MSD						Client Sample ID: ELUC MW-14					
Matrix: Water						Prep Type: Dissolved					
Analysis Batch: 335317						Prep Batch: 335144					
	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.010		0.0400	0.0451		mg/L		113	75 - 125	4	20

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-335292/3						Client Sample ID: Method Blank					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 335292											
	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Sulfate	<5.0		5.0		mg/L			05/13/16 07:12	1		

Lab Sample ID: LCS 500-335292/4						Client Sample ID: Lab Control Sample					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 335292											
			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Sulfate			20.0	19.7		mg/L		99	80 - 120		

Lab Sample ID: MB 500-335539/3						Client Sample ID: Method Blank					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 335539											
	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Sulfate	<5.0		5.0		mg/L			05/16/16 00:06	1		

Lab Sample ID: LCS 500-335539/4						Client Sample ID: Lab Control Sample					
Matrix: Water						Prep Type: Total/NA					
Analysis Batch: 335539											
			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Sulfate			20.0	19.5		mg/L		97	80 - 120		

Lab Sample ID: 500-111067-3 MS						Client Sample ID: ELUC MW-12					
Matrix: Water						Prep Type: Dissolved					
Analysis Batch: 335539											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Sulfate	350		800	1090		mg/L		92	75 - 125		

Lab Sample ID: 500-111067-3 MSD						Client Sample ID: ELUC MW-12					
Matrix: Water						Prep Type: Dissolved					
Analysis Batch: 335539											
	Sample	Sample	Spike	MSD	MSD				%Rec.	RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Sulfate	350		800	1100		mg/L		94	75 - 125	1	20

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: 9251 - Chloride

Lab Sample ID: MB 500-335224/19
Matrix: Water
Analysis Batch: 335224

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			05/11/16 00:39	1

Lab Sample ID: LCS 500-335224/23
Matrix: Water
Analysis Batch: 335224

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	55.4		mg/L		111	80 - 120

Lab Sample ID: 500-111067-5 MS
Matrix: Water
Analysis Batch: 335224

Client Sample ID: ELUC MW-14
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	120		50.0	169		mg/L		89	75 - 125

Lab Sample ID: 500-111067-5 MSD
Matrix: Water
Analysis Batch: 335224

Client Sample ID: ELUC MW-14
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	120		50.0	164		mg/L		80	75 - 125	3	20

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

Lab Sample ID: MB 500-334239/1
Matrix: Water
Analysis Batch: 334239

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			05/06/16 03:10	1

Lab Sample ID: LCS 500-334239/2
Matrix: Water
Analysis Batch: 334239

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	274		mg/L		110	80 - 120

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-335515/3
Matrix: Water
Analysis Batch: 335515

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			05/14/16 20:21	1

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-335515/4
Matrix: Water
Analysis Batch: 335515

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

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-334169/3
Matrix: Water
Analysis Batch: 334169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/05/16 14:20	1

Lab Sample ID: LCS 500-334169/4
Matrix: Water
Analysis Batch: 334169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.108		mg/L		108	80 - 120

Lab Sample ID: MB 500-334707/31
Matrix: Water
Analysis Batch: 334707

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/16 15:14	1

Lab Sample ID: LCS 500-334707/32
Matrix: Water
Analysis Batch: 334707

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.106		mg/L		106	80 - 120

Lab Sample ID: MB 500-334717/3
Matrix: Water
Analysis Batch: 334717

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/06/16 16:15	1

Lab Sample ID: LCS 500-334717/4
Matrix: Water
Analysis Batch: 334717

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.103		mg/L		103	80 - 120

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

Method: SM 4500 NO2 B - Nitrogen, Nitrite (Continued)

Lab Sample ID: 500-111067-4 MS
Matrix: Water
Analysis Batch: 334717

Client Sample ID: ELUC MW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0986		mg/L		99	75 - 125

Lab Sample ID: 500-111067-4 MSD
Matrix: Water
Analysis Batch: 334717

Client Sample ID: ELUC MW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.0999		mg/L		100	75 - 125	1	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-335480/32
Matrix: Water
Analysis Batch: 335480

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/13/16 19:34	1

101

Lab Sample ID: LCS 500-335480/33
Matrix: Water
Analysis Batch: 335480

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	1.06		mg/L		106	80 - 120

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago

2417 Bond St.

University Park, IL 60484

708-534-5200

Fax. 708-534-5211

Report To:

Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14665 W. Lisbon Rd. Suite 2B
 Brookfield, WI, 53005
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

Contact:
 Company:
 Address:
 Phone:
 Fax: 500-111067 COC
 PO #:



Lab Lot # 500-111067

Package Sealed Yes No
 Samples Sealed Yes No

Received on Ice Yes No
 Samples Intact Yes No N/A

Temperature °C of Cooler 1.1

Sampler Name: Ian John Howieson		Client Project # 12313.2		Refrg # # / Cont.											Within Hold Time <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Preserv. Indicated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		Volume Preserv.											pH Check OK <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Res CL ₂ Check OK <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Project Location: Waukegan, IL		Date Required Hard Copy: ___/___/___		Matrix # of Containers											Sample Labels and COC Agree <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> COC not present				
Lab PM: Eric Lang		Fax: ___/___/___													Additional Analyses / Remarks				
Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Time	Matrix	# of Containers													
		ELUC MW-10	5-3-16	15:06	W	1	X												
		ELUC MW-11	---	---	W	1	1												
		ELUC MW-12	---	---	W	1	1												
		ELUC MW-14	---	---	W	1	1												
NB N 2		ELUC MW-15	5-3-16	11:35	W	1	X												

RELINQUISHED BY: <i>[Signature]</i>	COMPANY: KPRG	DATE: 5-3-16	TIME: 18:40	RECEIVED BY: <i>[Signature]</i>	COMPANY: FEDEX	DATE: 5/10/16	TIME: 10:25
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

- | | | |
|--|---|--|
| Matrix Key | Container Key | Preservative Key |
| WW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air | SE = Sediment
SO = Solid
DL = Drum Liquid
DS = Drum Solid
L = Leachate
W = Wipe
O = | 1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other
7. None |
| | | 1. HCl, Cool to 4°
2. H ₂ SO ₄ , Cool to 4°
3. HNO ₃ , Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4° |

COMMENTS:

Date Received: 05/10/16
 Courier:
 Hand Delivered
 Bill of Lading: FY STD
 PAGE 2 of 3

STL-8208 (0600)

12

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60484
 708-534-5200
 Fax: 708-534-5211

Report To:

Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14665 W. Lisbon Rd. Suite 2B
 Brookfield, WI, 53005
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

Contact:
 Company:
 Address:
 Phone:
 Fax:
 PO #:



500-111057 COC

Lab Lot # 500-111067
 Package Sealed: Yes No
 Samples Sealed: Yes No
 Received on Ice: Yes No
 Samples Intact: Yes No N/A
 Temperature °C of Cooler: 0.9

Sampler Name: Ian John Howleson		Client Project # 12313.2		Refrg #																	Within Hold Time <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Preserv. Indicated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		Volume																	pH Check OK <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Res. CL ₂ Check OK <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Project Location: Waukegan, IL		Date Required Hard Copy: <u> / / </u>		Preserv.																	Sample Labels and COC Agree <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> COC not present	
Lab PM: Eric Lang		Fax: <u> / / </u>		Matrix																	Additional Analyses / Remarks	
Laboratory ID	NO. OF CONTAINERS	Client Sample ID	Sampling Date	Time	Matrix	# of Containers	NO2															
3		MW-12 ELWC	5-4-16	16:42	W	1	X															
					W																	
					W																	
					W																	
NB N					W																	
					W																	
					W																	
					W																	
					W																	
					W																	
					W																	

RELINQUISHED BY: <i>[Signature]</i>	COMPANY: KPRG	DATE: 5-4-16	TIME: 18:50	RECEIVED BY: <i>[Signature]</i>	COMPANY: FEDEX	DATE:	TIME:
RELINQUISHED BY: <i>[Signature]</i>	COMPANY:	DATE:	TIME:	RECEIVED BY: <i>[Signature]</i>	COMPANY: TAL	DATE: 05/05/16	TIME: 1020

- | | | |
|--|---|--|
| Matrix Key
WW = Wastewater SE = Sediment
W = Water SO = Solid
S = Soil DL = Drum Liquid
SL = Sludge DS = Drum Solid
MS = Miscellaneous L = Leachate
OL = Oil W = Wipe
A = Air O = _____ | Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other _____ | Preservative Key
1. HCl, Cool to 4°
2. H ₂ SO ₄ , Cool to 4°
3. HNO ₃ , Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None |
|--|---|--|

COMMENTS:

Date Received: 05, 05, 16
 Courier: FX
 Hand Delivered:
 Bill of Lading: 2 of 2
 PAGE 2 of 2

STL-8208 (0600)

12

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Chicago
 2417 Bond St.
 University Park, IL 61
 708-534-5200
 Fax: 708-534-5211 500-111067 COC



Report To: Contact: Rich Gnat Company: KPRG & Associates Inc. Address: 14665 W. Lisbon Rd. Suite 2B Brookfield, WI, 53005 Phone: 262-781-0475 Fax: Email:	Bill To: Contact: Company: Address: Phone: Fax: PO #:	Lab Lot # <u>500-111067</u>
Package Sealed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Samples Sealed Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Receival on Ice Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Res. CL ₂ Check OK Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Samples Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature °C of Cooler <u>3.4, 2.8</u>

Sampler Name: Ian John Howleson		Client Project # 12313.2		Refrg #															Within Hold Time Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Preserv. Indicated Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		Volume															pH Check OK Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Res CL ₂ Check OK Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Project Location: Waukegan, IL		Date Required Hard Copy: <u> / / </u>		Preserv.															Sample Labels and COC Agree Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> COC not present		
Lab PM: Eric Lang		Fax: <u> / / </u>		Matrix															Additional Analyses / Remarks		
Laboratory ID	MS-152	Client Sample ID	Sampling Date	Time	# of Containers	Metals Dissolved	Cl, TDS, SO ₄ , F _i	NO ₂	NO ₃ - NO ₂	Cyanide	Perchlorate	BTEX									
1		ELUC MW-10	5-3-16	15:06	W	X	X	X	X	X	X	X									
4		ELUC MW-11	5-5-16	10:45	W	X	X	X	X	X	X	X									
3		ELUC MW-12	5-4-16	16:42	W	X	X	X	X	X	X	X									
5		ELUC MW-14	5-5-16	08:51	W	X	X	X	X	X	X	X									
NB N 2		ELUC MW-15	5-3-16	11:35	W	X	X	X	X	X	X	X									

RELINQUISHED BY: <u>[Signature]</u>	COMPANY: <u>KPRG</u>	DATE: <u>5-5-16</u>	TIME: <u>15:30</u>	RECEIVED BY: <u>[Signature]</u>	COMPANY: <u>TA-CORP</u>	DATE: <u>5/5/16</u>	TIME: <u>15:30</u>
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

Matrix Key WW = Wastewater SE = Sediment W = Water SO = Solid S = Soil DL = Drum Liquid SL = Sludge DS = Drum Solid MS = Miscellaneous L = Leachate OL = Oil W = Wipe A = Air O = _____	Container Key 1. Plastic 2. VOA Vial 3. Sterile Plastic 4. Amber Glass 5. Widemouth Glass 6. Other	Preservative Key 1. HCl, Cool to 4° 2. H ₂ SO ₄ , Cool to 4° 3. HNO ₃ , Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. Cool to 4° 7. None	COMMENTS: 	Date Received <u> / / </u> Courier: Hand Delivered <input type="checkbox"/> Bill of Lading: <u>3 of 4</u> PAGE
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STL-8208 (0600)

12

ORIGIN ID: FEPA (630) 325-1300
KPRG & ASSOCIATES, INC.
414 PLAZA DR STE 106
WESTMONY, IL 60569
UNITED STATES US

SHIP DATE: 03MAY16
ACTWGT: 29.30 LB
CAD: 006894083/SSFE1704
DIMS: 17x16x12 IN
BILL THIRD PARTY

TO
TESTAMERICA CHICAGO
2417 BOND STREET
UNIVERSITY PARK IL 60484

(700) 634-6200
REF: 201



TRK# 7829 8175 2037
0201

WED - 04 MAY 3:00P
STANDARD OVERNIGHT

79 JOTA

60484
IL-US ORD



500-111067 Waybill

12

ORIGIN ID: FEPA (830) 925-1309
KPRG ASSOCIATES INC
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 01MAY16
ACTWT: 20.30 LB
CAD: 006894085/55FE1704
DIMS: 16x9x15 IN
BILL THIRD PARTY

PAID # 155297435 RT2 02M15
FEDX/US/11033



500-111067 Waybill

TO TEST AMERICA CHICAGO

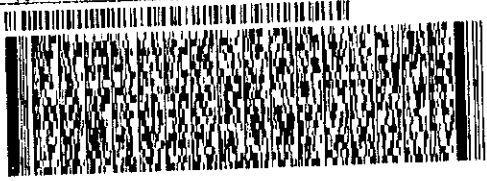
2417 BOND STREET

UNIVERSITY PARK IL 60484

(708) 634-6200
INVT
PDI

REF:

DEPT:

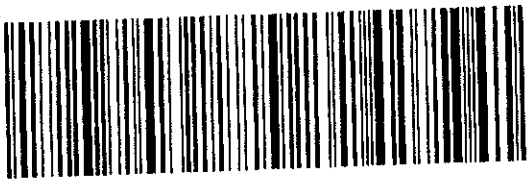


THU - 05 MAY 3:00P
STANDARD OVERNIGHT

TRK# 7829 9252 0560
0201

79 JOTA

60484
IL-US ORD



12

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 (Sub Contract Lab)		Sampler	Lab PM Lang, Eric A.		Carrier Tracking No(s)	COC No 500-72992 1				
Client Contact		Phone	E-Mail eric.lang@testamericainc.com			Page Page 1 of 1				
Shipping/Receiving		Company TestAmerica Laboratories, Inc.			Job # 500-111067-1					
Address 880 Riverside Parkway, West Sacramento State, Zip CA, 95605		Due Date Requested 5/16/2016		Analysis Requested			Preservation Codes:			
City West Sacramento		TAT Requested (days):					A - HCL		M - Hexamv	
State, Zip CA, 95605		PO #					B - NaOH		N - None	
Phone 916-373-5600(Tel) 916-372-1059(Fax)		WO #					C - Zn Acetate		O - AsNaO2	
Email		Project # 50004763		Field Filled Sample (Yes or No)		D - Nitric Acid		P - Na2O4S		
Project Name Waukegan Station CCA		SSON#		1/4 0 Fertilizate		E - NaHSO4		Q - Na2S03		
Site NRG Midwest Generation Waukegan		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (P=water, S=solid, O=soil/sed)		
Special Instructions/Note:		Sample Time		Sample Type (C=comp, G=grab)		Matrix (P=water, S=solid, O=soil/sed)		Total Number of containers		
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=comp, G=grab)		Matrix (P=water, S=solid, O=soil/sed)		
ELUC MW-10 (500-111067-1)		5/3/16		15:06 Central		Water		X		
ELUC MW-15 (500-111067-2)		5/3/16		11:35 Central		Water		X		
ELUC MW-12 (500-111067-3)		5/4/16		16:42 Central		Water		X		
ELUC MW-11 (500-111067-4)		5/5/16		10:45 Central		Water		X		
ELUC MW-14 (500-111067-5)		5/5/16		08:51 Central		Water		X		
Possible Hazard Identification		Unconfirmed		Deliverable Requested: I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months				
Empty Kit Relinquished by:		Date		Time		Method of Shipment:				
Relinquished by: <i>[Signature]</i>		Date/Time 05/05/16 1600		Company TAL		Received by: <i>[Signature]</i>		Date/Time 05/06/16 0930		Company TAWS
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company
Relinquished by:		Date/Time		Company		Received by:		Date/Time		Company
Custody Seals Intact.		Custody Seal No.:		Cooler Temperature(s) and Other Remarks 1.9						
Δ Yes Δ No										

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5/18/2016

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-111067-1

Login Number: 111067

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	(1.1)(0.9)c,3.4,2.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-111067-1

Login Number: 111067
 List Number: 2
 Creator: Shockley, Wesley S

List Source: TestAmerica Sacramento
 List Creation: 05/06/16 01:30 PM

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.	N/A	
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	
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?	N/A	
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 leg ble 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.	False	
Sample Preservation Verified.	N/A	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Certification Summary

Client: KPRG and Associates, Inc.
 Project/Site: Waukegan Station Ash Ponds

TestAmerica Job ID: 500-111067-1

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

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-17
Alaska (UST)	State Program	10	UST-055	12-18-16
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-17
California	State Program	9	2897	01-31-17
Colorado	State Program	8	CA00044	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-31-17
Illinois	NELAP	5	200060	03-17-17
Kansas	NELAP	7	E-10375	07-31-16
Louisiana	NELAP	6	30612	06-30-16
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-16
New Jersey	NELAP	2	CA005	06-30-16
New York	NELAP	2	11666	04-01-17
Oregon	NELAP	10	4040	01-29-17
Pennsylvania	NELAP	3	68-01272	03-31-17
Texas	NELAP	6	T104704399	05-31-16
US Fish & Wildlife	Federal		LE148388-0	10-31-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	CA00044	02-28-17
Virginia	NELAP	3	460278	03-14-17
Washington	State Program	10	C581	05-05-17
West Virginia (DW)	State Program	3	9930C	12-31-16
Wyoming	State Program	8	8TMS-L	01-29-17

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TestAmerica Chicago