



NRG Energy
401 E. Greenwood Ave,
Waukegan, IL 60087

QUARTERLY GROUNDWATER MONITORING REPORT
WAUKEGAN GENERATING STATION

October 20, 2014

Ms. Andrea Rhodes
Illinois Environmental Protection Agency
Division of Public Water Supplies
MC#19
1021 North Grand Avenue East
Springfield, IL 62794-9276

VIA FEDERAL EXPRESS

Re: Quarterly Groundwater Monitoring Results – Third Quarter 2014
Waukegan Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00056; ID# 6281

Dear Ms. Rhodes:

The third quarterly groundwater sampling for 2014 has been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Waukegan Generating Station in accordance with the Compliance Commitment Agreement (CCA) with Illinois Environmental Protection Agency (IEPA) dated October 24, 2012. This quarterly monitoring report summarizes the results of the monitoring event.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at this facility consists of seven wells (MW-1 through MW-7) as shown on Figure 1. As part of sampling procedures, the integrity of all monitoring wells was inspected and water levels obtained using an electronic water level meter (see summary of water level discussion below). Wells MW-1 through MW-4 are completed as flush-mounts at ground surface. The concrete anchors, protector boxes and interior casings were in good condition. Wells MW-5 through MW-7 are completed with stick-up protector casings. The wells were found in good condition with locked protector casings and the concrete surface seals were intact. Well MW-5 which has a slightly damaged hinge on the protective casing lid but is still functional.

Groundwater samples at well locations MW-1 through MW-7 were collected using the low-flow sampling technique.

One duplicate sample was collected for quality assurance purposes. In addition, a deionized water trip blank was placed with the sample bottle shipment by the laboratory and accompanied the groundwater samples bottles from and back to the laboratory. The groundwater monitoring samples and the duplicate sample were analyzed for the inorganic compounds listed in Illinois

Comp. Ex. 267P

MWG13-15_43695

Administrative Code (IAC) 620.410(a), 620.410(d) and 620.410(e), excluding radium 226/228. The trip blank was analyzed for the volatile organic compounds (VOCs) listed in IAC 620.410(d).

Groundwater Flow Evaluation

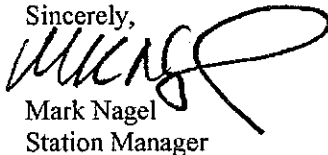
Water level data from the most recent round of sampling along with historical water levels obtained from each well are summarized in Table 1. The water levels from the most recent sampling were used to generate a groundwater flow map which is provided on Figure 2. The water elevation data indicates a general southeasterly flow of groundwater. The flow conditions observed during this sampling are generally consistent with historical conditions reported for the site.

Summary of Analytical Data

A copy of the analytical data package is provided in Attachment 1. The field parameter and analytical data from the most recent sampling, along with the previous eight quarters of data, are summarized in Table 2. The duplicate sample was collected from well MW-1. The data are generally consistent with previous data generated for the site. The previous manganese increase noted for well MW-2 in the last sampling event has returned to concentrations consistent with historic data. All wells for which the sampling data reports a value above one or more groundwater standards are located within the area of the approved Environmental Land Use Control (ELUC).

If there are any questions, please contact either James DiCola of NRG Energy at 815-207-5968 or Richard Gnat of KPRG at 262-781-0475.

Sincerely,



Mark Nagel
Station Manager

Attachments

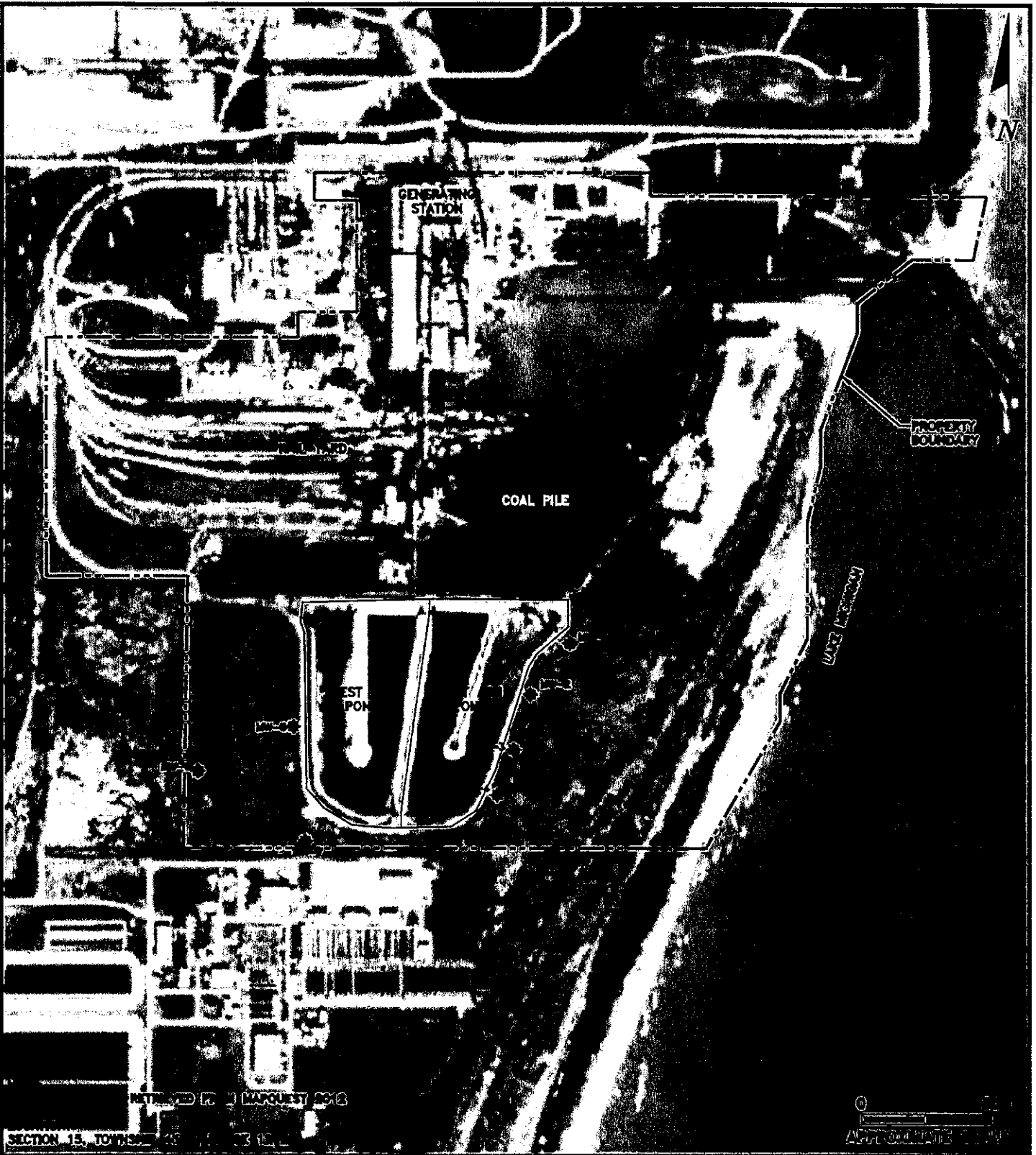
cc: William Buscher, IEPA
Fred Veenbaas, NRG Energy
James DiCola, NRG Energy
Elizabeth Quirk-Hendry, NRG Energy
Richard Gnat, KPRG and Associates, Inc.

FIGURES

TABLES

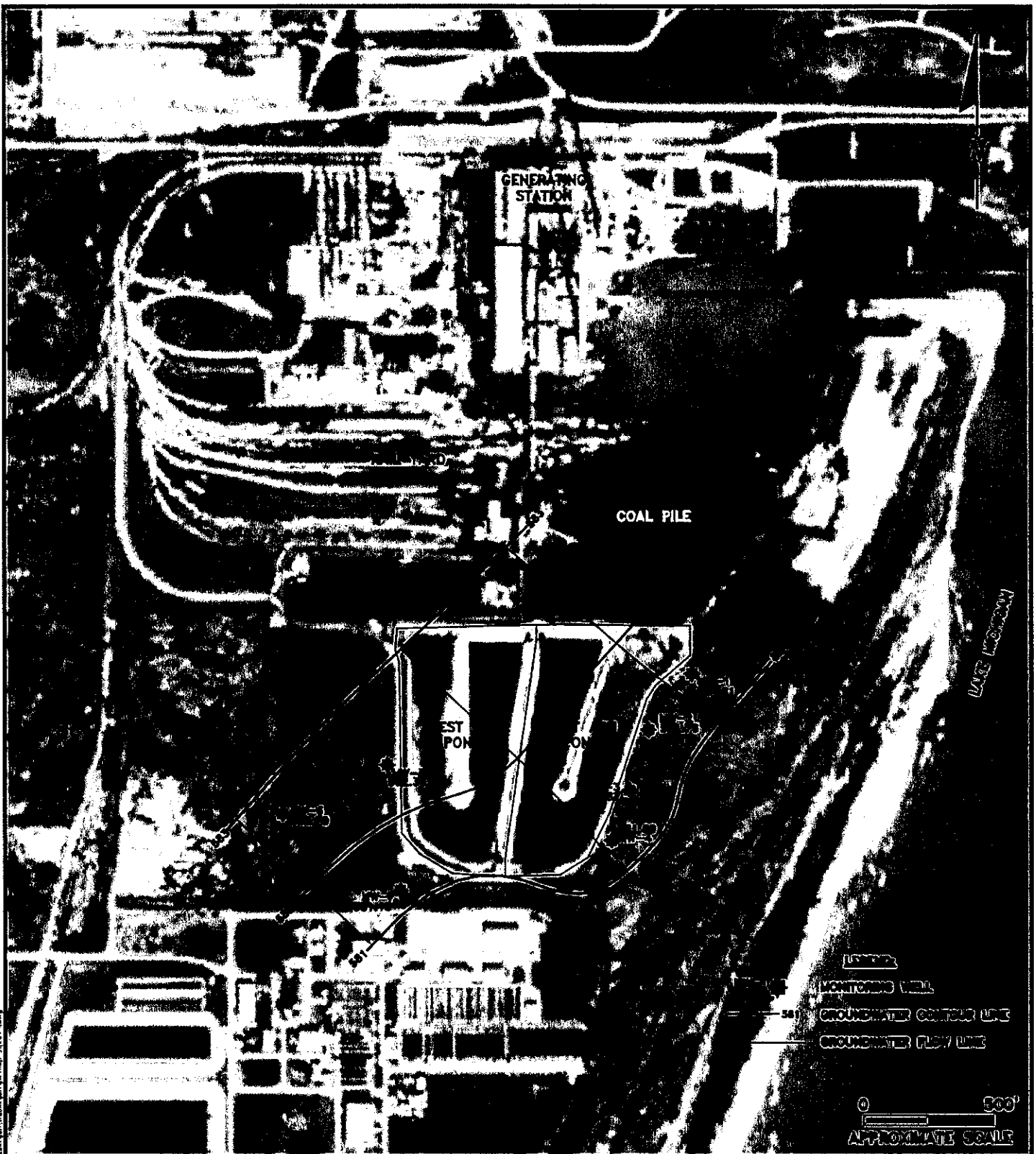
ATTACHMENT 1
Analytical Data Package(s)

FIGURES



The KPRG logo, project number, generation, and name are trademarks of KPRG and Associates, Inc. © 2013 KPRG and Associates, Inc.

ENVIRONMENTAL CONSULTATION & REMEDIATION	SITE MAP
<h1>K P R G</h1> KPRG and Associates, Inc.	WAUKEGAN STATION WAUKEGAN, ILLINOIS
14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478	Scale: 1" = 550' | Date: January 14, 2013
414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593	KPRG Project No. 12313.2 | FIGURE 1 MW 13-15 45701



ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, Inc.

14665 West Lisbon Road, Suite 28 Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

GROUNDWATER CONTOUR MAP 08/2014

WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 500'

Date: September 5, 2014

KPRG Project No. 12313.2

FIGURE 2
MW 613-15-45702

This project is under contract to the U.S. Environmental Protection Agency, Region 5, under contract number 53-01-001-0001.

TABLES

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-01	6/13/2011	603 14	603 46	583 34	583 33	570 96	19 80	19 81	32 18
	9/13/2011	603 14	603 46	581 14	581 14	570 96	22 00	22 00	32 18
	12/6/2011	603 14	603 46	581 15	581 15	570 96	21 99	21 99	32 18
	3/14/2012	603 14	603 46	581 18	581 18	570 96	21 96	21 96	32 18
	6/18/2012	603 14	603 46	580 86	580 86	570 96	22 28	22 28	32 18
	9/28/2012	603 14	603 46	579 65	579 65	570 96	23 49	23 49	32 18
	12/19/2012	603 14	603 46	579 42	579 42	570 96	23 72	23 72	32 18
	3/7/2013	603 14	603 46	580 35	580 35	570 96	22 79	22 79	32 18
	6/6/2013	603 14	603 46	582 38	582 31	571 30	20 76	20 83	31 84
	7/25/2013	603 14	603 46	581 40	581 36	571 30	21 74	21 78	31 84
	11/4/2013	603 14	603 46	581 32	581 31	571 30	21 82	21 83	31 84
	3/10/2014	603 14	603 46	581 94	581 96	571 30	21 20	21 18	31 84
	5/16/2014	603 14	603 46	583 07	583 09	571 30	20 07	20 05	31 84
	8/21/2014	603 14	603 46	581 81	581 82	571 30	21 33	21 32	31 84
MW-02	6/13/2011	603 04	603 28	583 31	583 31	573 48	19 73	19 73	29 56
	9/13/2011	603 04	603 28	581 19	581 19	573 48	21 85	21 85	29 56
	12/6/2011	603 04	603 28	581 22	581 22	573 48	21 82	21 82	29 56
	3/14/2012	603 04	603 28	581 23	581 21	573 48	21 81	21 83	29 56
	6/18/2012	603 04	603 28	580 89	580 89	573 48	22 15	22 15	29 56
	9/28/2012	603 04	603 28	579 73	579 73	573 48	23 31	23 31	29 56
	12/19/2012	603 04	603 28	579 27	579 27	573 48	23 77	23 77	29 56
	3/7/2013	603 04	603 28	580 50	580 50	573 48	22 54	22 54	29 56
	6/6/2013	603 04	603 28	582 34	582 34	573 48	20 70	20 70	29 56
	7/25/2013	603 04	603 28	581 34	581 33	573 48	21 70	21 71	29 56
	11/4/2013	603 04	603 28	581 23	581 23	573 48	21 81	21 81	29 56
	3/10/2014	603 04	603 28	581 84	581 84	573 48	21 20	21 20	29 56
	5/15/2014	603 04	603 28	582 95	582 95	573 48	20 09	20 09	29 56
	8/21/2014	603 04	603 28	581 76	581 76	573 48	21 28	21 28	29 56
MW-03	6/13/2011	602 90	603 18	583 34	583 34	573 06	19 56	19 56	29 84
	9/13/2011	602 90	603 18	581 18	581 18	573 06	21 72	21 72	29 84
	12/6/2011	602 90	603 18	581 22	581 22	573 06	21 68	21 68	29 84
	3/14/2012	602 90	603 18	581 22	581 22	573 06	21 68	21 68	29 84
	6/18/2012	602 90	603 18	580 92	580 92	573 06	21 98	21 98	29 84
	9/28/2012	602 90	603 18	579 68	579 68	573 06	23 22	23 22	29 84
	12/19/2012	602 90	603 18	579 45	579 45	573 06	23 45	23 45	29 84
	3/7/2013	602 90	603 18	580 49	580 49	573 06	22 41	22 41	29 84
	6/6/2013	602 90	603 18	582 38	582 36	573 10	20 52	20 54	29 80
	7/25/2013	602 90	603 18	581 41	581 39	573 10	21 49	21 51	29 80
	11/4/2013	602 90	603 18	581 29	581 29	573 10	21 61	21 61	29 80
	3/10/2014	602 90	603 18	581 88	581 89	573 10	21 02	21 01	29 80
	5/16/2014	602 90	603 18	583 02	583 04	573 10	19 88	19 86	29 80
	8/21/2014	602 90	603 18	581 87	581 85	573 10	21 03	21 05	29 80
MW-04	6/13/2011	603 15	603 53	583 35	583 35	573 30	19 80	19 80	29 85
	9/13/2011	603 15	603 53	581 19	581 19	573 30	21 96	21 96	29 85
	12/6/2011	603 15	603 53	581 23	581 23	573 30	21 92	21 92	29 85
	3/14/2012	603 15	603 53	581 20	581 20	573 30	21 95	21 95	29 85
	6/18/2012	603 15	603 53	580 88	580 88	573 30	22 27	22 27	29 85
	9/28/2012	603 15	603 53	579 55	579 55	573 30	23 60	23 60	29 85
	12/19/2012	603 15	603 53	579 34	579 34	573 30	23 81	23 81	29 85
	3/7/2013	603 15	603 53	580 36	580 36	573 30	22 79	22 79	29 85
	6/6/2013	603 15	603 53	582 38	582 30	573 57	20 77	20 85	29 58
	7/25/2013	603 15	603 53	581 33	581 27	573 57	21 82	21 88	29 58
	11/4/2013	603 15	603 53	581 13	581 13	573 57	22 02	22 02	29 58
	3/11/2014	603 15	603 53	581 87	581 87	573 57	21 28	21 28	29 58
	5/16/2014	603 15	603 53	583 11	583 11	573 57	20 04	20 04	29 58
	8/21/2014	603 15	603 53	581 69	581 68	573 57	21 46	21 47	29 58
MW-05	6/13/2011	604 84	601 53	584 55	584 56	572 92	20 29	20 28	31 92
	9/13/2011	604 84	601 53	582 66	582 64	572 92	22 18	22 20	31 92
	12/6/2011	604 84	601 53	582 82	582 82	572 92	22 02	22 02	31 92
	3/14/2012	604 84	601 53	582 98	582 98	572 92	21 86	21 86	31 92
	6/18/2012	604 84	601 53	582 22	582 22	572 92	22 62	22 62	31 92
	9/28/2012	604 84	601 53	581 13	581 13	572 92	23 71	23 71	31 92
	12/19/2012	604 84	601 53	580 65	580 65	572 92	24 19	24 19	31 92
	3/7/2013	604 84	601 53	582 18	582 18	572 92	22 66	22 66	31 92
	6/6/2013	604 84	601 53	583 44	583 44	572 92	21 40	21 40	31 92
	7/25/2013	604 84	601 53	582 60	582 59	572 92	22 24	22 25	31 92
	11/5/2013	604 84	601 53	582 03	582 04	572 92	22 81	22 80	31 92
	3/11/2014	604 84	601 53	582 88	582 88	572 92	21 96	21 96	31 92
	5/16/2014	604 84	601 53	583 71	583 72	572 92	21 12	21 12	31 92
	8/21/2014	604 84	601 53	582 36	582 32	572 92	22 48	22 52	31 92

Table 1. Groundwater Elevations - Midwest Generation, LLC, Waukegan Station, Waukegan, IL

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-06	12/19/2012	589 73	586 75	580 89	580 89	572 03	8 84	8 84	17 70
	3/7/2013	589 73	586 75	582 63	582 63	572 03	7 10	7 10	17 70
	6/6/2013	589 73	586 75	583 58	583 54	572 03	6 15	6 19	17 70
	7/25/2013	589 73	586 75	582 71	582 71	572 03	7 02	7 02	17 70
	11/5/2013	589 73	586 75	582 71	582 71	572 03	7 02	7 02	17 70
	3/10/2014	589 73	586 75	583 83	583 84	572 03	5 90	5 89	17 70
	5/15/2014	589 73	586 75	584 56	584 56	572 03	5 17	5 17	17 70
	8/21/2014	589 73	586 75	582 70	582 70	572 03	7 03	7 03	17 70
MW-07	12/19/2012	598 29	595 87	579 57	579 57	570 33	18 72	18 72	27 96
	3/7/2013	598 29	595 87	580 83	580 83	570 33	17 46	17 46	27 96
	6/6/2013	598 29	595 87	582 61	582 60	570 39	15 68	15 69	27 90
	7/25/2013	598 29	595 87	581 28	581 27	570 39	17 01	17 02	27 90
	11/4/2013	598 29	595 87	580 80	580 80	570 39	17 49	17 49	27 90
	3/10/2014	598 29	595 87	582 04	582 10	570 39	16 25	16 19	27 90
	5/15/2014	598 29	595 87	584 35	584 35	570 39	13 94	13 94	27 90
	8/21/2014	598 29	595 87	581 13	581 14	570 39	17 16	17 15	27 90

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-01	Date	9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/16/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.070	0.0010	0.091	0.0010	0.098	0.0010	0.036	0.0010	0.055	0.0010	0.046	0.0010	0.031	0.0010	0.036	0.0010	0.019
Barium	2.0	0.0025	0.013	0.0025	0.013	0.0025	0.033	0.0025	0.052	0.0025	0.040	0.0025	0.065	0.0025	0.031	0.0025	0.025	0.0025	0.032
Beryllium	0.004	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.9	0.050	1.9	0.50	2.2	0.50	2.2	0.50	2.3	0.25	3.1	0.25	1.9	0.050	2.0	0.25	2.0
Cadmium	0.005	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	47	2.0	48	2.0	45	2.0	34	2.0	42	2.0	28	2.0	33	2.0	31	1.0	79
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0022	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	0.019	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.013	0.010	0.029	0.010	ND
Fluoride	4.0	0.10	0.34	0.10	0.41 ^	0.10	0.50	0.10	0.41	0.10	0.45	0.10	0.28	0.10	0.27	0.10	0.46	0.10	0.76
Iron	5.0	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	0.0047	0.0025	0.011	0.0025	0.011	0.0025	0.021	0.0025	0.0073	0.0025	ND	0.0025	0.026
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	1.0	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND ^	0.10	ND	0.10	ND	0.10	1.1	0.10	0.10	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	0.055	0.020	ND	0.020	0.058	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.024
Perchlorate	0.0049	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	10.78	NA	10.47	NA	9.85	NA	8.37	NA	8.81	NA	8.42	NA	8.99	NA	8.88	NA	7.92
Selenium	0.05	0.0025	0.0093	0.0025	ND	0.0025	0.056	0.0025	0.043	0.0025	0.031	0.0025	0.013	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	240	50	200	50	250	100	260	100	300	50	260	50	130	50	170	50	130
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	450	10	460	10	510	10	660	10	580	10	580	10	290	10	300	10	460
Vanadium	0.049	NR	NR	0.0050	0.026	0.0050	0.018	0.0050	0.056	0.0050	0.042	0.0050	0.0067	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	15.45	NA	14.17	NA	12.8	NA	12.94	NA	14.93	NA	13.41	NA	13.79	NA	9.41	NA	16.04
Conductivity	NA	NA	0.58	NA	0.53	NA	0.60	NA	0.655	NA	0.65	NA	0.51	NA	0.41	NA	0.36	NA	0.638
Dissolved Oxygen	NA	NA	0.06	NA	0.45	NA	0.36	NA	0.39	NA	0.28	NA	0.55	NA	1.21	NA	1.46	NA	0.43
ORP	NA	NA	-179	NA	-205	NA	-98.2	NA	-109.4	NA	-133.6	NA	-213.3	NA	-98.4	NA	42.7	NA	22.7

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity ms/cm² millisiemens/centimeters
 Dissolved Oxygen mg/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-02	Date	9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.011	0.0010	0.0089	0.0010	0.012	0.0010	0.0090	0.0010	0.0087	0.0010	0.0091	0.0010	0.0085	0.0010	0.0062	0.0010	0.0081
Barium	2.0	0.0025	0.019	0.0025	0.016	0.0025	0.020	0.0025	0.021	0.0025	0.026	0.0025	0.028	0.0025	0.046	0.0025	0.086	0.0025	0.029
Beryllium	0.004	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.1	0.050	1.9	0.50	2.2	0.50	1.9	0.50	2.1	0.25	2.2	0.25	2.8	0.25	2.6	0.25	3.0
Cadmium	0.005	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	55	2.0	54	2.0	50	2.0	52	2.0	47	2.0	55	2.0	51	2.0	57	2.0	47
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	1.1	0.10	1.3 ^	0.10	1.2	0.10	1.3	0.10	0.93	0.10	0.60	0.10	0.60	0.10	0.70	0.10	0.76
Iron	5.0	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.16	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.025	0.0025	0.023	0.0025	0.039	0.0025	0.051	0.0025	0.069	0.0025	0.034	0.0025	0.085	0.0025	0.16	0.0025	0.050
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perechlorate	0.0049	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	8.24	NA	7.94	NA	8.95	NA	7.63	NA	7.61	NA	7.97	NA	8.38	NA	7.65	NA	8.13
Selenium	0.05	0.0025	0.0027	0.0025	ND	0.0025	0.0084	0.0025	ND	0.0025	0.015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0060
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	270	50	210	50	230	50	220	50	260	100	290	50	370	100	280	50	210
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	540	10	500	10	520	10	550	10	530	10	770	10	670	10	710	10	550
Vanadium	0.049	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	0.0005	ND	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	14.24	NA	13.01	NA	12.2	NA	12.99	NA	14.79	NA	13.16	NA	12.72	NA	11.00	NA	15.15
Conductivity	NA	NA	0.66	NA	0.54	NA	0.62	NA	0.55	NA	0.59	NA	0.62	NA	0.72	NA	0.79	NA	0.684
Dissolved Oxygen	NA	NA	0.07	NA	0.33	NA	0.18	NA	0.32	NA	0.42	NA	0.60	NA	0.81	NA	0.79	NA	0.32
ORP	NA	NA	-116	NA	-43	NA	-66.4	NA	-124.3	NA	-90.4	NA	-129.8	NA	-121.9	NA	-18.2	NA	-58.2

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 630.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity mS/cm millisiemens/centimeters
 Dissolved Oxygen mg/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-03		Date		9/28/2012		12/19/2012		3/7/2013		6/7/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0044	0.0010	0.0031	0.0010	0.0018	0.0010	0.0014	0.0010	0.0025	0.0010	0.0050	0.0010	0.0013	0.0010	0.0020	0.0010	0.0010	0.0041	0.0041
Barium	2.0	0.0025	0.010	0.0025	0.011	0.0025	0.015	0.0025	0.039	0.0025	0.017	0.0025	0.015	0.0025	0.012	0.0025	0.0061	0.0025	0.012	0.012	0.012
Beryllium	0.004	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.4	0.050	1.9	0.50	2.0	0.50	2.5	0.50	1.8	0.25	1.9	0.25	1.1	0.050	1.2	0.25	2.3	2.3	2.3
Cadmium	0.005	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	47	2.0	49	2.0	45	2.0	39	2.0	43	2.0	25	2.0	37	2.0	37	10	89	89	89
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.96	0.10	1.1 ^	0.10	0.99	0.10	0.48	0.10	0.83	0.10	0.63	0.10	0.74	0.10	0.57	0.10	0.55	0.55	0.55
Iron	5.0	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.0034	0.0025	0.0034	0.0025	0.015	0.0025	0.0062	0.0025	0.0031	0.0025	0.0082	0.0025	0.0069	0.0025	0.0028	0.0025	0.0083	0.0083	0.0083
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.42	0.10	ND	0.10	ND	0.10	13	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	0.50	0.10	ND	0.10	ND	0.50	13	0.10	ND	0.10	ND	0.10	0.11	0.10	0.15	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	0.076	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.072	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	9.14	NA	8.22	NA	8.55	NA	7.13	NA	7.46	NA	7.26	NA	7.38	NA	8.47	NA	7.82	7.82	7.82
Selenium	0.05	0.0025	0.0072	0.0025	ND	0.0025	0.011	0.0025	0.067	0.0025	0.0085	0.0025	0.0045	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	260	50	240	50	240	100	290	100	240	50	140	50	170	25	100	50	110	110	110
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	480	10	520	10	470	10	860	10	530	10	380	10	340	10	210	10	470	470	470
Vanadium	0.049	NR	NR	0.0050	ND	0.0050	ND	0.0050	0.0055	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	13.83	NA	13.02	NA	12.6	NA	12.87	NA	13.95	NA	15.35	NA	11.89	NA	8.47	NA	18.83	18.83	18.83
Conductivity	NA	NA	0.58	NA	0.55	NA	0.61	NA	0.86	NA	0.580	NA	0.40	NA	0.37	NA	0.27	NA	0.600	0.600	0.600
Dissolved Oxygen	NA	NA	0.07	NA	0.27	NA	0.4	NA	0.59	NA	0.31	NA	0.54	NA	0.78	NA	0.40	NA	1.05	1.05	1.05
ORP	NA	NA	2.0	NA	17	NA	40.8	NA	-84.1	NA	0.80	NA	-128.2	NA	-78.5	NA	90.5	NA	4.2	4.2	4.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity ms/cm² millisiemens/centimeters
 Dissolved Oxygen mg/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-04		Date		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/4/2013		3/11/2014		5/16/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0079	0.0010	0.0080	0.0010	0.0081	0.0010	0.0032	0.0010	0.0044	0.0010	0.0055	0.0010	0.0062	0.0010	0.0061	0.0010	0.0064	0.0010	0.0064
Barium	2.0	0.0025	0.024	0.0025	0.031	0.0025	0.031	0.0025	0.049	0.0025	0.049	0.0025	0.047	0.0025	0.071	0.0025	0.053	0.0025	0.029	0.0025	0.029
Beryllium	0.004	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	2.2	0.50	2.5	0.50	2.4	0.50	2.3	0.50	2.5	0.25	2.8	0.25	3.0	0.25	2.7	0.25	1.5	0.25	1.5
Cadmium	0.005	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	55	2.0	55	2.0	50	2.0	51	2.0	42	2.0	46	2.0	41	2.0	34	2.0	33	2.0	33
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.85	0.10	0.72 ^	0.10	0.73	0.10	0.67	0.10	0.60	0.10	0.48	0.10	0.28	0.10	0.27	0.10	0.26	0.10	0.26
Iron	5.0	0.10	ND ^	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.028	0.0025	0.031	0.0025	0.034	0.0025	0.016	0.0025	0.024	0.0025	0.036	0.0025	0.074	0.0025	0.052	0.0025	0.046	0.0025	0.046
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.31	0.10	ND	0.10	0.21	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND ^	0.10	0.31	0.10	ND	0.10	0.21	0.10	0.12	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	8.63	NA	8.41	NA	8.93	NA	7.25	NA	7.18	NA	7.35	NA	7.99	NA	7.76	NA	7.74	NA	7.74
Selenium	0.05	0.0025	0.0061	0.0025	ND	0.0025	0.0043	0.0025	0.028	0.0025	0.050	0.0025	0.011	0.0025	0.0034	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	210	50	220	50	230	50	260	100	300	50	270	100	360	50	140	25	130	50	130
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	440	10	510	10	460	10	660	10	610	10	630	10	680	10	470	10	370	10	370
Vanadium	0.049	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	13.28	NA	13.11	NA	11.9	NA	12.91	NA	14.1	NA	13.17	NA	10.93	NA	10.27	NA	16.85	NA	16.85
Conductivity	NA	NA	0.53	NA	0.57	NA	0.56	NA	0.666	NA	0.70	NA	0.59	NA	0.65	NA	0.59	NA	0.43	NA	0.43
Dissolved Oxygen	NA	NA	0.49	NA	0.07	NA	0.14	NA	0.37	NA	0.35	NA	0.37	NA	1.28	NA	0.52	NA	0.43	NA	0.43
ORP	NA	NA	-123	NA	-151	NA	-54.3	NA	-55.9	NA	13.7	NA	-166.2	NA	-99.2	NA	13.8	NA	-48.2	NA	-48.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C degrees Celsius
 mscm³/m³ millisiemens/centimeters
 mg/L milligrams/liter
 mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-05		Date		9/28/2012		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/5/2013		3/11/2014		5/16/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.012	0.0010	0.011	0.0010	0.012	0.0010	ND	0.0010	0.0013	0.0010	0.0086	0.0010	0.0097	0.0010	0.0090	0.0010	0.0019	0.0010	0.0019
Barium	2.0	0.0025	0.067	0.0025	0.070	0.0025	0.060	0.0025	0.045	0.0025	0.037	0.0025	0.054	0.0025	0.051	0.0025	0.036	0.0025	0.031	0.0025	0.031
Beryllium	0.004	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	41	5.0	27	5.0	33	5.0	12	5.0	29	1.0	32	2.5	31	5.0	36	5.0	35	5.0	35
Cadmium	0.005	0.00050	ND ^	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	170	10	220	2.0	68	50	600	10	210	2.0	49	2.0	45	2.0	47	2.0	47	2.0	47
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.32	0.10	0.36 ^	0.10	0.36	0.10	0.21	0.10	0.32	0.10	0.32	0.10	0.29	0.10	0.31	0.10	0.31	0.10	0.31
Iron	5.0	0.10	5.1 ^	0.10	3.9	0.10	4.0	0.10	0.41	0.10	1.1	0.10	4.6	0.10	5.5	0.10	5.5	0.10	4.0	0.10	4.0
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.57	0.0025	0.48	0.0025	0.51	0.0025	0.17	0.0025	0.44	0.0025	0.54	0.0025	0.62	0.0025	0.49	0.0025	0.65	0.0025	0.65
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0026	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.45	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND ^	0.10	ND	0.10	ND	0.10	0.45	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.033	0.020	ND	0.020	ND	0.020	ND	0.020	0.047	0.020	0.047
Perchlorate	0.0049	NR	NR	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	7.32	NA	7.36	NA	7.33	NA	6.61	NA	6.74	NA	7.20	NA	7.64	NA	7.07	NA	7.06	NA	7.06
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0037	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	250	710	250	550	250	650	250	1200	250	890	250	870	250	640	100	630	130	640	250	640
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1900	10	1800	10	1600	17	3500	10	2000	10	1600	10	1400	10	1500	10	1600	10	1600
Vanadium	0.049	NR	NR	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	NR	NR	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	NR	NR	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	13.17	NA	12.46	NA	12.5	NA	13.12	NA	15.7	NA	13.34	NA	10.19	NA	10.13	NA	19.08	NA	19.08
Conductivity	NA	NA	1.76	NA	1.74	NA	1.48	NA	3.118	NA	2.18	NA	1.24	NA	0.86	NA	1.33	NA	1.509	NA	1.509
Dissolved Oxygen	NA	NA	0.13	NA	0.10	NA	0.22	NA	0.63	NA	0.50	NA	0.47	NA	1.45	NA	0.59	NA	4.09	NA	4.09
ORP	NA	NA	-108	NA	-101	NA	-129.7	NA	18.4	NA	22.3	NA	-107.0	NA	-94.3	NA	-28.2	NA	-80	NA	-80

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity mscm² millisiemens/centimeters
 Dissolved Oxygen ng/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-06		Date		12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/5/2013		3/10/2014		5/15/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0029	0.0010	0.0019	0.0010	0.0019	0.0010	0.0096	0.0010	0.0034	0.0010	0.0017	0.0010	0.0043	0.0010	0.0083	0.0010	0.0083
Barium	2.0	0.0025	0.11	0.0025	0.088	0.0025	0.077	0.0025	0.092	0.0025	0.13	0.0025	0.012	0.0025	0.061	0.0025	0.089	0.0025	0.089
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.25	1.1	0.50	2.8	0.50	6.7	2.5	4.3	0.25	2.4	0.25	2.0	0.25	2.2	0.25	2.9	0.25	2.9
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	110	20	61	20	48	20	69	10	85	20	80	10	84	10	98	10	98
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0025	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.43 ^	0.10	0.27	0.10	0.30	0.10	0.34	0.10	0.30	0.10	0.17	0.10	0.22	0.10	0.35	0.10	0.35
Iron	5.0	0.10	2.6	0.10	2.0	0.10	6.2	0.10	16	0.10	4.1	0.10	0.19	0.10	3.0	0.10	9.2	0.10	9.2
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.21	0.0025	0.36	0.0025	0.75	0.0025	0.72	0.0025	0.44	0.0025	0.0073	0.0025	0.17	0.0025	0.38	0.0025	0.38
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	0.0039	0.0020	0.0029	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	1.1	0.10	ND	0.10	ND	0.10	0.54	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	1.1	0.10	ND	0.10	ND	0.10	0.54	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	7.52	NA	7.42	NA	6.83	NA	6.88	NA	7.24	NA	7.94	NA	7.18	NA	7.11	NA	7.11
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.014	0.0025	ND	0.0025	0.0033	0.0025	0.0033
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	160	100	380	100	390	100	360	100	350	25	93	50	170	50	120	50	120
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	940	10	1100	10	1100	10	1100	10	1200	10	190	10	870	10	950	10	950
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	11.32	NA	7.1	NA	9.68	NA	12.92	NA	13.14	NA	5.14	NA	8.91	NA	17.83	NA	17.83
Conductivity	NA	NA	1.05	NA	1.01	NA	0.911	NA	1.18	NA	1.10	NA	0.21	NA	0.9	NA	1.179	NA	1.179
Dissolved Oxygen	NA	NA	0.07	NA	0.33	NA	0.40	NA	0.28	NA	0.22	NA	7.07	NA	0.51	NA	0.97	NA	0.97
ORP	NA	NA	-128	NA	-99.4	NA	-72.7	NA	-109.7	NA	-126.3	NA	-9.90	NA	-36.7	NA	-116.9	NA	-116.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 NM - Not Measured

NR - Not Required
 NS - Not Sampled
 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity ms/cm² millisiemens/centimeters
 Dissolved Oxygen mg/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Waukegan Station, Waukegan, IL

Sample: MW-07	Date	12/19/2012		3/7/2013		6/6/2013		7/25/2013		11/4/2013		3/10/2014		5/15/2014		8/21/2014	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0099	0.0010	0.012	0.0010	0.010	0.0010	0.011	0.0010	0.012	0.0010	0.0096	0.0010	0.0098	0.0010	0.011
Barium	2.0	0.0025	0.080	0.0025	0.082	0.0025	0.082	0.0025	0.083	0.0025	0.082	0.0025	0.073	0.0025	0.089	0.0025	0.072
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	5.0	43	5.0	49	5.0	42	5.0	44	1.0	45	2.5	39	5.0	27	5.0	40
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	60	2.0	54	2.0	44	2.0	33	2.0	53	2.0	34	2.0	35	2.0	36
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.48	0.10	0.50	0.10	0.46	0.10	0.46	0.10	0.44	0.10	0.39	0.10	0.30	0.10	0.47
Iron	5.0	0.10	12	0.10	12	0.10	13	0.10	13	0.10	13	0.10	11	0.10	12	0.10	11
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.46	0.0025	0.49	0.0025	0.48	0.0025	0.46	0.0025	0.46	0.0025	0.46	0.0025	0.60	0.0025	0.40
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	0.11	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.004	ND	0.004	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
pH	6.5 - 9.0	NA	7.27	NA	8.24	NA	7.09	NA	7.10	NA	7.18	NA	7.67	NA	6.89	NA	7.25
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	250	630	250	710	250	650	250	860	250	770	250	540	100	330	130	690
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1800	10	1800	10	1800	10	1800	10	1800	10	1600	10	1300	10	1600
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.0005	ND	0.0005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Temperature	NA	NA	12.99	NA	1.5	NA	12.46	NA	13.99	NA	12.92	NA	12.33	NA	9.89	NA	18.25
Conductivity	NA	NA	1.54	NA	1.17	NA	1.385	NA	1.52	NA	1.01	NA	0.98	NA	1.26	NA	1.607
Dissolved Oxygen	NA	NA	0.05	NA	0.33	NA	0.80	NA	0.28	NA	0.54	NA	1.19	NA	0.62	NA	1.18
ORP	NA	NA	-1.29	NA	-111.6	NA	-151.7	NA	-125.8	NA	-127.7	NA	-116.8	NA	-16.9	NA	-143.6

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater. All values are in mg/L (ppm) unless otherwise noted.

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 ND - Not Detected
 NM - Not Measured

NR - Not Required
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 ^ - Denotes instrument related QC exceeds the control limits

Temperature °C degrees Celsius
 Conductivity mc/cm² millisiemens/centimeters
 Dissolved Oxygen mg/L milligrams/liter
 Oxygen Reduction Potential (ORP) mV millivolts

ATTACHMENT 1
Analytical Data Package(s)

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: 500-82876-1
Client Project/Site: Waukegan Station Ash Ponds

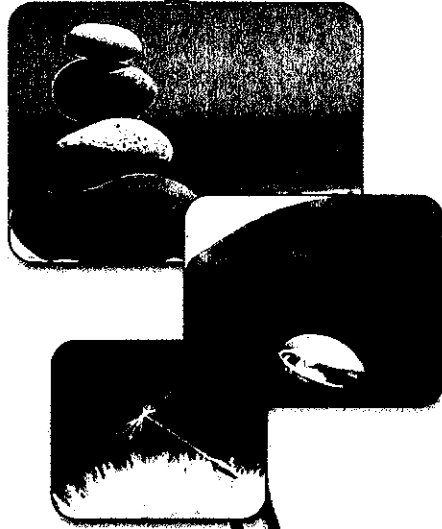
For:
KPRG and Associates, Inc.
14665 West Lisbon Road,
Suite 2B
Brookfield, Wisconsin 53005

Attn: Richard Gnat

Bonnie Stadelmann

Authorized for release by:
9/9/2014 3:36:03 PM

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..... LINKS

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Case Narrative

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

TestAmerica Job ID: 500-82876-1

Job ID: 500-82876-1

3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-82876-1

Comments

No additional comments.

Receipt

The samples were received on 8/23/2014 6:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5° C, 3.8° C, 3.9° C and 4.2° C.

GC/MS VOA

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

Metals

No analytical or quality issues were noted, other than those described 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

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

Detection Summary

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-01

Lab Sample ID: 500-82876-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019		0.0010		mg/L	1	1	6020A	Dissolved
Barium	0.032		0.0025		mg/L	1	1	6020A	Dissolved
Boron	2.0		0.25		mg/L	5	5	6020A	Dissolved
Manganese	0.026		0.0025		mg/L	1	1	6020A	Dissolved
Sulfate	130		50		mg/L	10	10	9038	Dissolved
Chloride	79		10		mg/L	5	5	9251	Dissolved
Total Dissolved Solids	460		10		mg/L	1	1	SM 2540C	Dissolved
Fluoride	0.76		0.10		mg/L	1	1	SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.024		0.020		mg/L	1	1	SM 4500 NO2 B	Dissolved

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Client Sample ID: MW-02

Lab Sample ID: 500-82876-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0081		0.0010		mg/L	1	1	6020A	Dissolved
Barium	0.029		0.0025		mg/L	1	1	6020A	Dissolved
Boron	3.0		0.25		mg/L	5	5	6020A	Dissolved
Manganese	0.050		0.0025		mg/L	1	1	6020A	Dissolved
Selenium	0.0060		0.0025		mg/L	1	1	6020A	Dissolved
Sulfate	210		50		mg/L	10	10	9038	Dissolved
Chloride	47		2.0		mg/L	1	1	9251	Dissolved
Total Dissolved Solids	550		10		mg/L	1	1	SM 2540C	Dissolved
Fluoride	0.76		0.10		mg/L	1	1	SM 4500 F C	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 500-82876-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0041		0.0010		mg/L	1	1	6020A	Dissolved
Barium	0.012		0.0025		mg/L	1	1	6020A	Dissolved
Boron	2.3		0.25		mg/L	5	5	6020A	Dissolved
Manganese	0.0083		0.0025		mg/L	1	1	6020A	Dissolved
Sulfate	110		50		mg/L	10	10	9038	Dissolved
Chloride	89		10		mg/L	5	5	9251	Dissolved
Total Dissolved Solids	470		10		mg/L	1	1	SM 2540C	Dissolved
Fluoride	0.55		0.10		mg/L	1	1	SM 4500 F C	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 500-82876-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0064		0.0010		mg/L	1	1	6020A	Dissolved
Barium	0.029		0.0025		mg/L	1	1	6020A	Dissolved
Boron	1.5		0.25		mg/L	5	5	6020A	Dissolved
Manganese	0.046		0.0025		mg/L	1	1	6020A	Dissolved
Sulfate	130		25		mg/L	5	5	9038	Dissolved
Chloride	33		2.0		mg/L	1	1	9251	Dissolved
Total Dissolved Solids	370		10		mg/L	1	1	SM 2540C	Dissolved
Fluoride	0.26		0.10		mg/L	1	1	SM 4500 F C	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-82876-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-82876-1

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Client Sample ID: MW-05 (Continued)

Lab Sample ID: 500-82876-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0019		0.0010		mg/L			1	6020A	Dissolved
Barium	0.031		0.0025		mg/L			1	6020A	Dissolved
Boron	35		5.0		mg/L			100	6020A	Dissolved
Iron	4.0		0.10		mg/L			1	6020A	Dissolved
Manganese	0.65		0.0025		mg/L			1	6020A	Dissolved
Sulfate	640		130		mg/L			25	9038	Dissolved
Chloride	47		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	1600		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.31		0.10		mg/L			1	SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.047		0.020		mg/L			1	SM 4500 NO2 B	Dissolved

Client Sample ID: MW-06

Lab Sample ID: 500-82876-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0083		0.0010		mg/L			1	6020A	Dissolved
Barium	0.089		0.0025		mg/L			1	6020A	Dissolved
Boron	2.9		0.25		mg/L			5	6020A	Dissolved
Iron	9.2		0.10		mg/L			1	6020A	Dissolved
Manganese	0.38		0.0025		mg/L			1	6020A	Dissolved
Selenium	0.0033		0.0025		mg/L			1	6020A	Dissolved
Sulfate	120		50		mg/L			10	9038	Dissolved
Chloride	98		10		mg/L			5	9251	Dissolved
Total Dissolved Solids	950		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.35		0.10		mg/L			1	SM 4500 F C	Dissolved

Client Sample ID: MW-07

Lab Sample ID: 500-82876-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.011		0.0010		mg/L			1	6020A	Dissolved
Barium	0.072		0.0025		mg/L			1	6020A	Dissolved
Boron	40		5.0		mg/L			100	6020A	Dissolved
Iron	11		0.10		mg/L			1	6020A	Dissolved
Manganese	0.40		0.0025		mg/L			1	6020A	Dissolved
Sulfate	690		130		mg/L			25	9038	Dissolved
Chloride	36		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	1600		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.47		0.10		mg/L			1	SM 4500 F C	Dissolved

Client Sample ID: DUPLICATE

Lab Sample ID: 500-82876-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.017		0.0010		mg/L			1	6020A	Dissolved
Barium	0.033		0.0025		mg/L			1	6020A	Dissolved
Boron	2.0		0.25		mg/L			5	6020A	Dissolved
Manganese	0.027		0.0025		mg/L			1	6020A	Dissolved
Sulfate	150		50		mg/L			10	9038	Dissolved
Chloride	79		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	520		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.77		0.10		mg/L			1	SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.036		0.020		mg/L			1	SM 4500 NO2 B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-82876-9

No Detections.

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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: 500-82876-1

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

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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TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-82876-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-82876-1	MW-01	Water	08/21/14 09:10	08/23/14 06:30
500-82876-2	MW-02	Water	08/21/14 12:05	08/23/14 06:30
500-82876-3	MW-03	Water	08/21/14 13:08	08/23/14 06:30
500-82876-4	MW-04	Water	08/21/14 14:08	08/23/14 06:30
500-82876-5	MW-05	Water	08/21/14 18:15	08/23/14 06:30
500-82876-6	MW-06	Water	08/21/14 17:20	08/23/14 06:30
500-82876-7	MW-07	Water	08/21/14 16:10	08/23/14 06:30
500-82876-8	DUPLICATE	Water	08/21/14 00:00	08/23/14 06:30
500-82876-9	TRIP BLANK	Water	08/21/14 00:00	08/23/14 06:30

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-01

Lab Sample ID: 500-82876-1

Date Collected: 08/21/14 09:10

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 11:12	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 11:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 11:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 11:12	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 11:12	1
4-Bromofluorobenzene (Surr)	98		75 - 120					08/25/14 11:12	1
Dibromofluoromethane	95		75 - 120					08/25/14 11:12	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:02	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		08/25/14 11:40	08/25/14 11:55	1
Arsenic	0.019		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Barium	0.032		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Boron	2.0		0.25		mg/L		08/25/14 11:40	08/26/14 12:00	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:55	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Manganese	0.026		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:22	1
Sulfate	130		50		mg/L			09/05/14 09:17	10
Chloride	79		10		mg/L			08/23/14 19:56	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	460		10		mg/L			08/26/14 04:20	1
Fluoride	0.76		0.10		mg/L			08/30/14 19:41	1
Nitrogen, Nitrite	0.024		0.020		mg/L			08/22/14 21:01	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:04	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-02

Lab Sample ID: 500-82876-2

Date Collected: 08/21/14 12:05

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 11:37	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 11:37	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 11:37	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 125					08/25/14 11:37	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 11:37	1
4-Bromofluorobenzene (Surr)	102		75 - 120					08/25/14 11:37	1
Dibromofluoromethane	96		75 - 120					08/25/14 11:37	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:17	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		08/25/14 11:40	08/25/14 12:12	1
Arsenic	0.0081		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Barium	0.029		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Boron	3.0		0.25		mg/L		08/25/14 11:40	08/26/14 12:29	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:12	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Manganese	0.050		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Selenium	0.0060		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:12	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:49	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:22	1
Sulfate	210		50		mg/L			09/05/14 09:18	10
Chloride	47		2.0		mg/L			08/23/14 19:22	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	550		10		mg/L			08/26/14 04:25	1
Fluoride	0.76		0.10		mg/L			08/30/14 19:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:02	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:06	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-03

Lab Sample ID: 500-82876-3

Date Collected: 08/21/14 13:08

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:02	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:02	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:02	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 125					08/25/14 12:02	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 12:02	1
4-Bromofluorobenzene (Surr)	105		75 - 120					08/25/14 12:02	1
Dibromofluoromethane	97		75 - 120					08/25/14 12:02	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:33	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		08/25/14 11:40	08/25/14 12:15	1
Arsenic	0.0041		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Barium	0.012		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Boron	2.3		0.25		mg/L		08/25/14 11:40	08/26/14 12:33	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:15	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Manganese	0.0083		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:15	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:55	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	110		50		mg/L			09/05/14 09:19	10
Chloride	89		10		mg/L			08/23/14 19:56	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	470		10		mg/L			08/26/14 04:28	1
Fluoride	0.55		0.10		mg/L			08/30/14 20:00	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:03	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:09	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-04

Lab Sample ID: 500-82876-4

Date Collected: 08/21/14 14:08

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:27	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 12:27	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 12:27	1
4-Bromofluorobenzene (Surr)	103		75 - 120					08/25/14 12:27	1
Dibromofluoromethane	93		75 - 120					08/25/14 12:27	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:48	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		08/25/14 11:40	08/25/14 12:19	1
Arsenic	0.0064		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Barium	0.029		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Boron	1.5		0.25		mg/L		08/25/14 11:40	08/26/14 12:37	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:19	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Manganese	0.046		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	130		25		mg/L			09/05/14 09:20	5
Chloride	33		2.0		mg/L			08/23/14 19:24	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	370		10		mg/L			08/26/14 04:30	1
Fluoride	0.26		0.10		mg/L			08/30/14 20:03	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:03	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:11	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-05

Lab Sample ID: 500-82876-5

Date Collected: 08/21/14 18:15

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:53	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:53	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:53	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 125					08/25/14 12:53	1
Toluene-d8 (Surr)	95		75 - 120					08/25/14 12:53	1
4-Bromofluorobenzene (Surr)	102		75 - 120					08/25/14 12:53	1
Dibromofluoromethane	95		75 - 120					08/25/14 12:53	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:04	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		08/25/14 11:40	08/25/14 12:29	1
Arsenic	0.0019		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Barium	0.031		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Boron	35		5.0		mg/L		08/25/14 11:40	08/26/14 12:41	100
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Iron	4.0		0.10		mg/L		08/25/14 11:40	08/25/14 12:29	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Manganese	0.65		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	640		130		mg/L			09/05/14 09:23	25
Chloride	47		2.0		mg/L			08/23/14 19:25	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1600		10		mg/L			08/26/14 04:33	1
Fluoride	0.31		0.10		mg/L			08/30/14 20:05	1
Nitrogen, Nitrite	0.047		0.020		mg/L			08/22/14 21:04	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:13	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-06

Lab Sample ID: 500-82876-6

Date Collected: 08/21/14 17:20

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 13:18	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 13:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 13:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 125					08/25/14 13:18	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 13:18	1
4-Bromofluorobenzene (Surr)	99		75 - 120					08/25/14 13:18	1
Dibromofluoromethane	93		75 - 120					08/25/14 13:18	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:19	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		08/25/14 11:40	08/25/14 12:33	1
Arsenic	0.0083		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Barium	0.089		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Boron	2.9		0.25		mg/L		08/25/14 11:40	08/26/14 15:34	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Iron	9.2		0.10		mg/L		08/25/14 11:40	08/25/14 12:33	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Manganese	0.38		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Selenium	0.0033		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:33	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:01	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:24	1
Sulfate	120		50		mg/L			09/05/14 09:24	10
Chloride	98		10		mg/L			08/23/14 19:57	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	950		10		mg/L			08/26/14 04:35	1
Fluoride	0.35		0.10		mg/L			08/30/14 20:08	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:04	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:15	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-07

Lab Sample ID: 500-82876-7

Date Collected: 08/21/14 16:10

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 13:43	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 13:43	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 13:43	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 13:43	1
Toluene-d8 (Surr)	98		75 - 120					08/25/14 13:43	1
4-Bromofluorobenzene (Surr)	99		75 - 120					08/25/14 13:43	1
Dibromofluoromethane	96		75 - 120					08/25/14 13:43	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:34	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		08/25/14 11:40	08/25/14 12:36	1
Arsenic	0.011		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Barium	0.072		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Boron	40		5.0		mg/L		08/25/14 11:40	08/26/14 15:38	100
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Iron	11		0.10		mg/L		08/25/14 11:40	08/25/14 12:36	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Manganese	0.40		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:24	1
Sulfate	690		130		mg/L			09/09/14 05:23	25
Chloride	36		2.0		mg/L			08/23/14 19:26	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1600		10		mg/L			08/26/14 04:38	1
Fluoride	0.47		0.10		mg/L			08/30/14 20:10	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:05	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 16:29	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-82876-8

Date Collected: 08/21/14 00:00

Matrix: Water

Date Received: 08/23/14 06:30

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			08/26/14 10:45	1
Toluene	<0.00050		0.00050		mg/L			08/26/14 10:45	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/26/14 10:45	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/26/14 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 125					08/26/14 10:45	1
Toluene-d8 (Surr)	91		75 - 120					08/26/14 10:45	1
4-Bromofluorobenzene (Surr)	99		75 - 120					08/26/14 10:45	1
Dibromofluoromethane	96		75 - 120					08/26/14 10:45	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:50	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		08/25/14 11:40	08/25/14 12:39	1
Arsenic	0.017		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Barium	0.033		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Boron	2.0		0.25		mg/L		08/25/14 11:40	08/26/14 15:42	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:39	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Manganese	0.027		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:39	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:11	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:37	1
Sulfate	150		50		mg/L			09/05/14 09:25	10
Chloride	79		2.0		mg/L			08/23/14 19:57	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	520		10		mg/L			08/26/14 04:41	1
Fluoride	0.77		0.10		mg/L			08/30/14 20:13	1
Nitrogen, Nitrite	0.036		0.020		mg/L			08/22/14 21:08	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 16:31	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-82876-9

Date Collected: 08/21/14 00:00

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 16:02	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 16:02	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 16:02	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 16:02	1

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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 125		08/25/14 16:02	1
Toluene-d8 (Surr)	96		75 - 120		08/25/14 16:02	1
4-Bromofluorobenzene (Surr)	100		75 - 120		08/25/14 16:02	1
Dibromofluoromethane	96		75 - 120		08/25/14 16:02	1

TestAmerica Chicago

Definitions/Glossary

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

TestAmerica Job ID: 500-82876-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
D	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: 500-82876-1

GC/MS VOA

Analysis Batch: 251395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Total/NA	Water	8260B	
500-82876-2	MW-02	Total/NA	Water	8260B	
500-82876-3	MW-03	Total/NA	Water	8260B	
500-82876-4	MW-04	Total/NA	Water	8260B	
500-82876-5	MW-05	Total/NA	Water	8260B	
500-82876-6	MW-06	Total/NA	Water	8260B	
500-82876-7	MW-07	Total/NA	Water	8260B	
500-82876-9	TRIP BLANK	Total/NA	Water	8260B	
LCS 500-251395/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251395/6	Method Blank	Total/NA	Water	8260B	

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Analysis Batch: 251576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Total/NA	Water	8260B	
500-82876-8 MS	DUPLICATE	Total/NA	Water	8260B	
500-82876-8 MSD	DUPLICATE	Total/NA	Water	8260B	
LCS 500-251576/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251576/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 51867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Total/NA	Water	314.0	
500-82876-2	MW-02	Total/NA	Water	314.0	
500-82876-3	MW-03	Total/NA	Water	314.0	
500-82876-4	MW-04	Total/NA	Water	314.0	
500-82876-5	MW-05	Total/NA	Water	314.0	
500-82876-6	MW-06	Total/NA	Water	314.0	
500-82876-7	MW-07	Total/NA	Water	314.0	
500-82876-8	DUPLICATE	Total/NA	Water	314.0	
LCS 320-51867/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-51867/6	Method Blank	Total/NA	Water	314.0	
MRL 320-51867/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 251456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 DU	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 MS	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 MSD	MW-01	Dissolved	Water	Soluble Metals	
500-82876-2	MW-02	Dissolved	Water	Soluble Metals	
500-82876-3	MW-03	Dissolved	Water	Soluble Metals	
500-82876-4	MW-04	Dissolved	Water	Soluble Metals	
500-82876-5	MW-05	Dissolved	Water	Soluble Metals	
500-82876-6	MW-06	Dissolved	Water	Soluble Metals	
500-82876-7	MW-07	Dissolved	Water	Soluble Metals	
500-82876-8	DUPLICATE	Dissolved	Water	Soluble Metals	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-1

Metals (Continued)

Prep Batch: 251456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-251456/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 251478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	6020A	251456
500-82876-1 DU	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MS	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MSD	MW-01	Dissolved	Water	6020A	251456
500-82876-2	MW-02	Dissolved	Water	6020A	251456
500-82876-3	MW-03	Dissolved	Water	6020A	251456
500-82876-4	MW-04	Dissolved	Water	6020A	251456
500-82876-5	MW-05	Dissolved	Water	6020A	251456
500-82876-6	MW-06	Dissolved	Water	6020A	251456
500-82876-7	MW-07	Dissolved	Water	6020A	251456
500-82876-8	DUPLICATE	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	6020A	251456
500-82876-1 DU	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MS	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MSD	MW-01	Dissolved	Water	6020A	251456
500-82876-2	MW-02	Dissolved	Water	6020A	251456
500-82876-3	MW-03	Dissolved	Water	6020A	251456
500-82876-4	MW-04	Dissolved	Water	6020A	251456
500-82876-5	MW-05	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-6	MW-06	Dissolved	Water	6020A	251456
500-82876-7	MW-07	Dissolved	Water	6020A	251456
500-82876-8	DUPLICATE	Dissolved	Water	6020A	251456

Prep Batch: 252739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	7470A	
500-82876-2	MW-02	Dissolved	Water	7470A	
500-82876-3	MW-03	Dissolved	Water	7470A	
500-82876-4	MW-04	Dissolved	Water	7470A	
500-82876-5	MW-05	Dissolved	Water	7470A	
500-82876-6	MW-06	Dissolved	Water	7470A	
500-82876-7	MW-07	Dissolved	Water	7470A	
500-82876-7 DU	MW-07	Dissolved	Water	7470A	
500-82876-7 MS	MW-07	Dissolved	Water	7470A	
500-82876-7 MSD	MW-07	Dissolved	Water	7470A	
500-82876-8	DUPLICATE	Dissolved	Water	7470A	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

Metals (Continued)

Prep Batch: 252739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 252986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	7470A	252739
500-82876-2	MW-02	Dissolved	Water	7470A	252739
500-82876-3	MW-03	Dissolved	Water	7470A	252739
500-82876-4	MW-04	Dissolved	Water	7470A	252739
500-82876-5	MW-05	Dissolved	Water	7470A	252739
500-82876-6	MW-06	Dissolved	Water	7470A	252739
500-82876-7	MW-07	Dissolved	Water	7470A	252739
500-82876-7 DU	MW-07	Dissolved	Water	7470A	252739
500-82876-7 MS	MW-07	Dissolved	Water	7470A	252739
500-82876-7 MSD	MW-07	Dissolved	Water	7470A	252739
500-82876-8	DUPLICATE	Dissolved	Water	7470A	252739
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	252739
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	252739

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General Chemistry

Analysis Batch: 251294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-1 MS	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-1 MSD	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-2	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-82876-3	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-82876-4	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-82876-5	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-82876-6	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-82876-7	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	
LCS 500-251294/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-251294/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 251311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9251	
500-82876-2	MW-02	Dissolved	Water	9251	
500-82876-3	MW-03	Dissolved	Water	9251	
500-82876-4	MW-04	Dissolved	Water	9251	
500-82876-5	MW-05	Dissolved	Water	9251	
500-82876-6	MW-06	Dissolved	Water	9251	
500-82876-7	MW-07	Dissolved	Water	9251	
500-82876-8	DUPLICATE	Dissolved	Water	9251	
LCS 500-251311/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-251311/4	Method Blank	Total/NA	Water	9251	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Analysis Batch: 251592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 2540C	
500-82876-1 DU	MW-01	Dissolved	Water	SM 2540C	
500-82876-2	MW-02	Dissolved	Water	SM 2540C	
500-82876-3	MW-03	Dissolved	Water	SM 2540C	
500-82876-4	MW-04	Dissolved	Water	SM 2540C	
500-82876-5	MW-05	Dissolved	Water	SM 2540C	
500-82876-6	MW-06	Dissolved	Water	SM 2540C	
500-82876-7	MW-07	Dissolved	Water	SM 2540C	
500-82876-8	DUPLICATE	Dissolved	Water	SM 2540C	
LCS 500-251592/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-251592/1	Method Blank	Total/NA	Water	SM 2540C	

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Analysis Batch: 252088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-82876-2	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-82876-3	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-82876-4	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-82876-5	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-82876-6	MW-06	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252088/15	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252088/14	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-7	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252133/4	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252133/3	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	Nitrate by calc	
500-82876-2	MW-02	Dissolved	Water	Nitrate by calc	
500-82876-3	MW-03	Dissolved	Water	Nitrate by calc	
500-82876-4	MW-04	Dissolved	Water	Nitrate by calc	
500-82876-5	MW-05	Dissolved	Water	Nitrate by calc	
500-82876-6	MW-06	Dissolved	Water	Nitrate by calc	
500-82876-7	MW-07	Dissolved	Water	Nitrate by calc	
500-82876-8	DUPLICATE	Dissolved	Water	Nitrate by calc	

Prep Batch: 252381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9010B	
500-82876-2	MW-02	Dissolved	Water	9010B	
500-82876-3	MW-03	Dissolved	Water	9010B	
500-82876-4	MW-04	Dissolved	Water	9010B	
500-82876-5	MW-05	Dissolved	Water	9010B	
500-82876-6	MW-06	Dissolved	Water	9010B	
500-82876-7	MW-07	Dissolved	Water	9010B	
LCS 500-252381/2-A	Lab Control Sample	Total/NA	Water	9010B	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Prep Batch: 252381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-252381/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 252442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-1 MS	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-1 MSD	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-2	MW-02	Dissolved	Water	SM 4500 F C	
500-82876-3	MW-03	Dissolved	Water	SM 4500 F C	
500-82876-4	MW-04	Dissolved	Water	SM 4500 F C	
500-82876-5	MW-05	Dissolved	Water	SM 4500 F C	
500-82876-6	MW-06	Dissolved	Water	SM 4500 F C	
500-82876-7	MW-07	Dissolved	Water	SM 4500 F C	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 F C	
LCS 500-252442/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-252442/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 252450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9014	252381
500-82876-2	MW-02	Dissolved	Water	9014	252381
500-82876-3	MW-03	Dissolved	Water	9014	252381
500-82876-4	MW-04	Dissolved	Water	9014	252381
500-82876-5	MW-05	Dissolved	Water	9014	252381
500-82876-6	MW-06	Dissolved	Water	9014	252381
500-82876-7	MW-07	Dissolved	Water	9014	252381
LCS 500-252381/2-A	Lab Control Sample	Total/NA	Water	9014	252381
MB 500-252381/1-A	Method Blank	Total/NA	Water	9014	252381

Prep Batch: 252743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9010B	
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-252743/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 252822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9014	252743
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9014	252743
MB 500-252743/1-A	Method Blank	Total/NA	Water	9014	252743

Analysis Batch: 253124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9038	
500-82876-2	MW-02	Dissolved	Water	9038	
500-82876-3	MW-03	Dissolved	Water	9038	
500-82876-4	MW-04	Dissolved	Water	9038	
500-82876-4 MS	MW-04	Dissolved	Water	9038	
500-82876-4 MSD	MW-04	Dissolved	Water	9038	
500-82876-5	MW-05	Dissolved	Water	9038	
500-82876-6	MW-06	Dissolved	Water	9038	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Analysis Batch: 253124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9038	
LCS 500-253124/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253124/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 253498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-7	MW-07	Dissolved	Water	9038	
LCS 500-253498/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253498/3	Method Blank	Total/NA	Water	9038	

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TestAmerica Chicago

Surrogate Summary

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

TestAmerica Job ID: 500-82876-1

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 (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-82876-1	MW-01	115	97	98	95
500-82876-2	MW-02	117	97	102	96
500-82876-3	MW-03	116	96	105	97
500-82876-4	MW-04	115	96	103	93
500-82876-5	MW-05	112	95	102	95
500-82876-6	MW-06	113	97	99	93
500-82876-7	MW-07	115	98	99	96
500-82876-8	DUPLICATE	103	91	99	96
500-82876-8 MS	DUPLICATE	104	99	97	98
500-82876-8 MSD	DUPLICATE	105	94	105	98
500-82876-9	TRIP BLANK	100	96	100	96
LCS 500-251395/4	Lab Control Sample	115	100	101	99
LCS 500-251576/4	Lab Control Sample	103	98	96	96
MB 500-251395/6	Method Blank	117	99	100	98
MB 500-251576/6	Method Blank	101	93	102	95

Surrogate Legend

- 12DCE = 1,2-Dichloroethane-d4 (Surr)
- TOL = Toluene-d8 (Surr)
- BFB = 4-Bromofluorobenzene (Surr)
- DBFM = Dibromofluoromethane

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QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: MB 500-251395/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 10:47	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	117		75 - 125					08/25/14 10:47	1
Toluene-d8 (Surr)	99		75 - 120					08/25/14 10:47	1
4-Bromofluorobenzene (Surr)	100		75 - 120					08/25/14 10:47	1
Dibromofluoromethane	98		75 - 120					08/25/14 10:47	1

Lab Sample ID: LCS 500-251395/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte		Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
			Result	Qualifier					
Benzene		0.0500	0.0495		mg/L		99	75 - 120	
Toluene		0.0500	0.0501		mg/L		100	75 - 120	
Ethylbenzene		0.0500	0.0478		mg/L		96	75 - 120	
Xylenes, Total		0.100	0.0979		mg/L		98	75 - 120	
Surrogate	LCS LCS		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	115		75 - 125						
Toluene-d8 (Surr)	100		75 - 120						
4-Bromofluorobenzene (Surr)	101		75 - 120						
Dibromofluoromethane	99		75 - 120						

Lab Sample ID: MB 500-251576/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251576									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Toluene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/26/14 10:21	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	101		75 - 125					08/26/14 10:21	1
Toluene-d8 (Surr)	93		75 - 120					08/26/14 10:21	1
4-Bromofluorobenzene (Surr)	102		75 - 120					08/26/14 10:21	1
Dibromofluoromethane	95		75 - 120					08/26/14 10:21	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: LCS 500-251576/4
Matrix: Water
Analysis Batch: 251576

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0512		mg/L		102	75 - 120
Toluene	0.0500	0.0494		mg/L		99	75 - 120
Ethylbenzene	0.0500	0.0483		mg/L		97	75 - 120
Xylenes, Total	0.100	0.100		mg/L		100	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 125
Toluene-d8 (Surr)	98		75 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane	96		75 - 120

Lab Sample ID: 500-82876-8 MS
Matrix: Water
Analysis Batch: 251576

Client Sample ID: DUPLICATE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0503		mg/L		101	75 - 120
Toluene	<0.00050		0.0500	0.0482		mg/L		96	75 - 120
Ethylbenzene	<0.00050		0.0500	0.0476		mg/L		95	75 - 120
Xylenes, Total	<0.0010		0.100	0.100		mg/L		100	75 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 125
Toluene-d8 (Surr)	99		75 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane	98		75 - 120

Lab Sample ID: 500-82876-8 MSD
Matrix: Water
Analysis Batch: 251576

Client Sample ID: DUPLICATE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00050		0.0500	0.0512		mg/L		102	75 - 120	2	20
Toluene	<0.00050		0.0500	0.0474		mg/L		95	75 - 120	2	20
Ethylbenzene	<0.00050		0.0500	0.0486		mg/L		97	75 - 120	2	20
Xylenes, Total	<0.0010		0.100	0.0976		mg/L		98	75 - 120	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 125
Toluene-d8 (Surr)	94		75 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane	98		75 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-51867/6
Matrix: Water
Analysis Batch: 51867

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			09/08/14 16:42	1

Lab Sample ID: LCS 320-51867/7
Matrix: Water
Analysis Batch: 51867

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	0.0513		mg/L		103	85 - 115

Lab Sample ID: MRL 320-51867/5
Matrix: Water
Analysis Batch: 51867

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		96	75 - 125

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-82876-1 MS
Matrix: Water
Analysis Batch: 251478

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 251456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.455		mg/L		91	75 - 125
Arsenic	0.019		0.100	0.123		mg/L		104	75 - 125
Barium	0.032		0.500	0.533		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0470		mg/L		94	75 - 125
Cadmium	<0.00050		0.0500	0.0487		mg/L		97	75 - 125
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125
Cobalt	<0.0010		0.500	0.489		mg/L		98	75 - 125
Copper	<0.0020		0.250	0.252		mg/L		101	75 - 125
Iron	<0.10		1.00	1.06		mg/L		106	75 - 125
Lead	<0.00050		0.100	0.108		mg/L		108	75 - 125
Manganese	0.026		0.500	0.520		mg/L		99	75 - 125
Nickel	<0.0020		0.500	0.489		mg/L		98	75 - 125
Selenium	<0.0025		0.100	0.112		mg/L		110	75 - 125
Silver	<0.00050		0.0500	0.0444		mg/L		89	75 - 125
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125
Vanadium	<0.0050		0.500	0.491		mg/L		97	75 - 125
Zinc	<0.020		0.500	0.519		mg/L		104	75 - 125

Lab Sample ID: 500-82876-1 MS
Matrix: Water
Analysis Batch: 251696

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 251456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	2.0		10.0	12.0		mg/L		99	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 MSD			Client Sample ID: MW-01								
Matrix: Water			Prep Type: Dissolved								
Analysis Batch: 251478			Prep Batch: 251456								
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Antimony	<0.0030		0.500	0.461		mg/L		92	75 - 125	1	20
Arsenic	0.019		0.100	0.123		mg/L		104	75 - 125	0	20
Barium	0.032		0.500	0.534		mg/L		100	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0471		mg/L		94	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0494		mg/L		99	75 - 125	1	20
Chromium	<0.0050		0.200	0.200		mg/L		100	75 - 125	3	20
Cobalt	<0.0010		0.500	0.494		mg/L		99	75 - 125	1	20
Copper	<0.0020		0.250	0.257		mg/L		103	75 - 125	2	20
Iron	<0.10		1.00	1.06		mg/L		106	75 - 125	0	20
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125	5	20
Manganese	0.026		0.500	0.526		mg/L		100	75 - 125	1	20
Nickel	<0.0020		0.500	0.496		mg/L		99	75 - 125	1	20
Selenium	<0.0025		0.100	0.113		mg/L		111	75 - 125	1	20
Silver	<0.00050		0.0500	0.0455		mg/L		91	75 - 125	2	20
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125	1	20
Vanadium	<0.0050		0.500	0.499		mg/L		99	75 - 125	2	20
Zinc	<0.020		0.500	0.524		mg/L		105	75 - 125	1	20

Lab Sample ID: 500-82876-1 MSD			Client Sample ID: MW-01								
Matrix: Water			Prep Type: Dissolved								
Analysis Batch: 251696			Prep Batch: 251456								
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Boron	2.0		10.0	11.8		mg/L		98	75 - 125	1	20

Lab Sample ID: 500-82876-1 DU			Client Sample ID: MW-01								
Matrix: Water			Prep Type: Dissolved								
Analysis Batch: 251478			Prep Batch: 251456								
Analyte	Sample	Sample	DU	DU	Unit	D	D	%Rec	RPD		
	Result	Qualifier	Result	Qualifier					RPD	Limit	
Antimony	<0.0030		<0.0030		mg/L				NC	20	
Arsenic	0.019		0.0190		mg/L				1	20	
Barium	0.032		0.0322		mg/L				1	20	
Beryllium	<0.0010		<0.0010		mg/L				NC	20	
Cadmium	<0.00050		<0.00050		mg/L				NC	20	
Chromium	<0.0050		<0.0050		mg/L				NC	20	
Cobalt	<0.0010		<0.0010		mg/L				NC	20	
Copper	<0.0020		<0.0020		mg/L				NC	20	
Iron	<0.10		<0.10		mg/L				NC	20	
Lead	<0.00050		<0.00050		mg/L				NC	20	
Manganese	0.026		0.0255		mg/L				0.3	20	
Nickel	<0.0020		<0.0020		mg/L				NC	20	
Selenium	<0.0025		<0.0025		mg/L				NC	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	

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 DU Matrix: Water Analysis Batch: 251696						Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456			
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
Boron	2.0		2.03		mg/L		1	20	

Lab Sample ID: MB 500-251456/1-A Matrix: Water Analysis Batch: 251478						Client Sample ID: Method Blank Prep Type: Soluble Prep Batch: 251456			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/25/14 11:40	08/25/14 11:48	1
Arsenic	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Barium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:48	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Manganese	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:48	1

Lab Sample ID: MB 500-251456/1-A Matrix: Water Analysis Batch: 251696						Client Sample ID: Method Blank Prep Type: Soluble Prep Batch: 251456			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		08/25/14 11:40	08/26/14 11:52	1

Lab Sample ID: LCS 500-251456/2-A Matrix: Water Analysis Batch: 251478						Client Sample ID: Lab Control Sample Prep Type: Soluble Prep Batch: 251456			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony	0.500	0.459		mg/L		92	80 - 120		
Arsenic	0.100	0.0943		mg/L		94	80 - 120		
Barium	0.500	0.498		mg/L		100	80 - 120		
Beryllium	0.0500	0.0488		mg/L		98	80 - 120		
Cadmium	0.0500	0.0493		mg/L		99	80 - 120		
Chromium	0.200	0.202		mg/L		101	80 - 120		
Cobalt	0.500	0.501		mg/L		100	80 - 120		
Copper	0.250	0.260		mg/L		104	80 - 120		
Iron	1.00	1.14		mg/L		114	80 - 120		
Lead	0.100	0.102		mg/L		102	80 - 120		
Manganese	0.500	0.510		mg/L		102	80 - 120		
Nickel	0.500	0.508		mg/L		102	80 - 120		

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.100	0.0934		mg/L		93	80 - 120
Silver	0.0500	0.0503		mg/L		101	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120
Vanadium	0.500	0.481		mg/L		96	80 - 120
Zinc	0.500	0.504		mg/L		101	80 - 120

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251696

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.02		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-252739/12-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:44	1

Lab Sample ID: LCS 500-252739/13-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00221		mg/L		111	80 - 120

Lab Sample ID: 500-82876-7 MS
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.00108		mg/L		108	75 - 125

Lab Sample ID: 500-82876-7 MSD
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.000983		mg/L		98	75 - 125	9	20

Lab Sample ID: 500-82876-7 DU
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 9014 - Cyanide

Lab Sample ID: MB 500-252381/1-A
Matrix: Water
Analysis Batch: 252450

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252381

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:20	1

Lab Sample ID: LCS 500-252381/2-A
Matrix: Water
Analysis Batch: 252450

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252381

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.100	0.105		mg/L		105	80 - 120

Lab Sample ID: MB 500-252743/1-A
Matrix: Water
Analysis Batch: 252822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:35	1

Lab Sample ID: LCS 500-252743/2-A
Matrix: Water
Analysis Batch: 252822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.100	0.0968		mg/L		97	80 - 120

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-253124/3
Matrix: Water
Analysis Batch: 253124

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			09/05/14 09:05	1

Lab Sample ID: LCS 500-253124/4
Matrix: Water
Analysis Batch: 253124

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

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

Lab Sample ID: MB 500-253498/3
Matrix: Water
Analysis Batch: 253498

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			09/09/14 05:14	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: LCS 500-253498/4
Matrix: Water
Analysis Batch: 253498

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

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

Lab Sample ID: 500-82876-4 MS
Matrix: Water
Analysis Batch: 253124

Client Sample ID: MW-04
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	130		200	317		mg/L		96	75 - 125

Lab Sample ID: 500-82876-4 MSD
Matrix: Water
Analysis Batch: 253124

Client Sample ID: MW-04
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	130		200	334		mg/L		104	75 - 125	5	20

Method: 9251 - Chloride

Lab Sample ID: MB 500-251311/4
Matrix: Water
Analysis Batch: 251311

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			08/23/14 19:11	1

Lab Sample ID: LCS 500-251311/5
Matrix: Water
Analysis Batch: 251311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.9		mg/L		102	80 - 120

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

Lab Sample ID: MB 500-251592/1
Matrix: Water
Analysis Batch: 251592

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			08/26/14 04:02	1

Lab Sample ID: LCS 500-251592/2
Matrix: Water
Analysis Batch: 251592

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 DU
 Matrix: Water
 Analysis Batch: 251592

Client Sample ID: MW-01
 Prep Type: Dissolved

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Total Dissolved Solids	460		450		mg/L		2	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-252442/3
 Matrix: Water
 Analysis Batch: 252442

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoride	<0.10		0.10		mg/L			08/30/14 19:24	1

Lab Sample ID: LCS 500-252442/4
 Matrix: Water
 Analysis Batch: 252442

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Fluoride	10.0	10.7		mg/L		107	80 - 120

Lab Sample ID: 500-82876-1 MS
 Matrix: Water
 Analysis Batch: 252442

Client Sample ID: MW-01
 Prep Type: Dissolved

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Fluoride	0.76		5.00	6.05		mg/L		106	75 - 125

Lab Sample ID: 500-82876-1 MSD
 Matrix: Water
 Analysis Batch: 252442

Client Sample ID: MW-01
 Prep Type: Dissolved

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Fluoride	0.76		5.00	6.11		mg/L		107	75 - 125	1	20

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-251294/3
 Matrix: Water
 Analysis Batch: 251294

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:00	1

Lab Sample ID: LCS 500-251294/4
 Matrix: Water
 Analysis Batch: 251294

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Nitrogen, Nitrite	0.100	0.102		mg/L		102	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 MS
Matrix: Water
Analysis Batch: 251294

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.024		0.100	0.109		mg/L		84	75 - 125

Lab Sample ID: 500-82876-1 MSD
Matrix: Water
Analysis Batch: 251294

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	0.024		0.100	0.107		mg/L		82	75 - 125	2	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-252088/14
Matrix: Water
Analysis Batch: 252088

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			08/28/14 12:01	1

Lab Sample ID: LCS 500-252088/15
Matrix: Water
Analysis Batch: 252088

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	1.01		mg/L		101	80 - 120

Lab Sample ID: MB 500-252133/3
Matrix: Water
Analysis Batch: 252133

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			08/28/14 16:16	1

Lab Sample ID: LCS 500-252133/4
Matrix: Water
Analysis Batch: 252133

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	0.936		mg/L		94	80 - 120

TestAmerica Chicago

TestAmerica

THE LEADER IN ENV

TestAmerica Chlca

2417 Bond St.

University Park, IL 600-82876 COC

708-534-5200

Fax: 708-534-5211



Report To:

Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14865 W. Lisbon Rd. Suite 2B
 Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

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

Lab Lot # 500-82876

Package Sealed
 Yes No
 Samples Sealed
 Yes No

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

Temperature °C of Cooler
 (3.8) (3.5) (4.2) (3.9)

Sampler Name: Ian John Howleson		Client Project # 12313.2		Refrg #												Within Hold Time		Preserv. Indicated		
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		# / Cont.		Volume										Check OK		Res Cl ₂ Check OK		
Project Location: Waukegan, IL		Date Required		Matrix		# of Containers		18 Metals + Hg, dissolved		Cl, TDS, SO ₄ , F _i , NO ₂ , dissolved		NO ₃ +NO ₂ , dissolved		Cyanide, dissolved		BTEX		Perchlorate		
Lab PM: Bonnie Stadelmann		Hard Copy: / /		Date														Sample Labels and COC Agree		
Laboratory ID	MS-MSD	Client Sample ID	Sampling Time	Date	Matrix	# of Containers	18 Metals + Hg, dissolved	Cl, TDS, SO ₄ , F _i , NO ₂ , dissolved	NO ₃ +NO ₂ , dissolved	Cyanide, dissolved	BTEX	Perchlorate	Additional Analyses / Remarks							
1		MW-01	8/21/2014	9:10	W	9	X	X	X	X	X	X								
2		MW-02	8/21/2014	12:05	W	9	X	X	X	X	X	X								
3		MW-03	8/21/2014	13:08	W	9	X	X	X	X	X	X								
4		MW-04	8/21/2014	14:08	W	9	X	X	X	X	X	X								
5		MW-05	8/21/2014	18:15	W	9	X	X	X	X	X	X								
6		MW-06	8/21/2014	17:20	W	9	X	X	X	X	X	X								
7		MW-07	8/21/2014	16:10	W	9	X	X	X	X	X	X								
8		DUPLICATE	8/21/2014	.....	W	9	X	X	X	X	X	X								
9		Trip Blank	.....	.....	W	2														

12

RELINQUISHED BY: <i>[Signature]</i>	COMPANY: KPRG	DATE: 8-22-14	TIME: 08:10pm	RECEIVED BY: <i>[Signature]</i>	COMPANY: TestAmerica	DATE: 8/22/14	TIME: 2010
RELINQUISHED BY: <i>[Signature]</i>	COMPANY: KPRG	DATE:	TIME:	RECEIVED BY: <i>[Signature]</i>	COMPANY: TA	DATE: 8/23/14	TIME: 0630

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. W/dornouth Glass
 6. Ollter

Preservative Key
 1. HCl, Cool to 4°
 2. H₂SO₄, Cool to 4°
 3. HNO₃, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. Cool to 4°
 7. None

COMMENTS:

Date Received 8/23/14
 Courier:
 Hand Delivered
 Bill of Lading: _____ of _____

STL-8208 (0600)

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-82876-1

Login Number: 82876

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

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.	N/A	
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	3.8,3.5,3.9,4.2
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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").	True	
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: 500-82876-1

Login Number: 82876

List Number: 2

Creator: Edwards, Stephanie N

List Source: TestAmerica Sacramento

List Creation: 08/26/14 11:32 AM

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.	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.	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: 500-82876-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

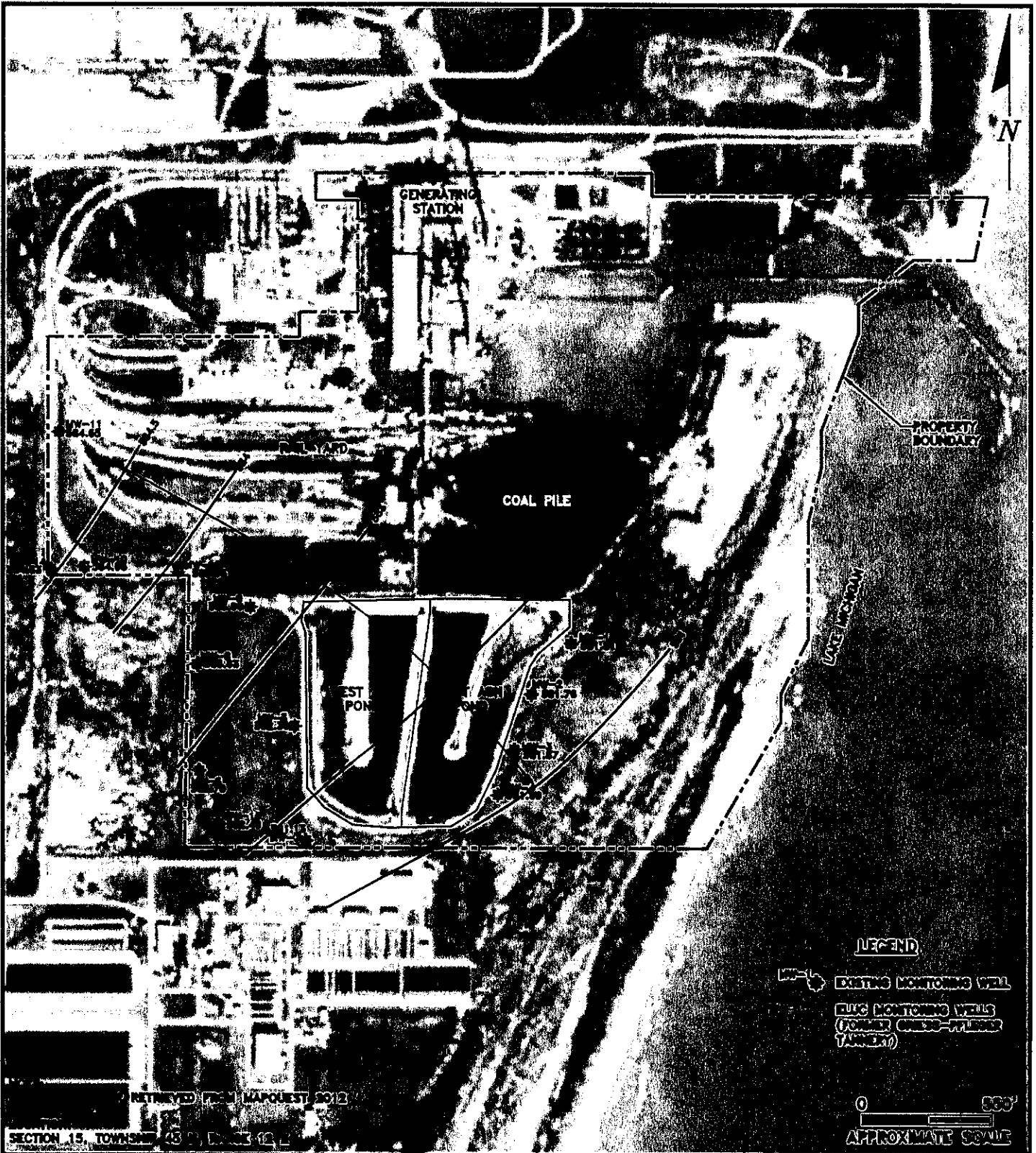
Laboratory: TestAmerica Sacramento

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	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-13 *
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-15
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-15
Illinois	NELAP	5	200060	03-17-15
Kansas	NELAP	7	E-10375	10-31-14
Michigan	State Program	5	9947	01-31-15
Nebraska	State Program	7	NE-OS-22-13	01-29-15
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
Oregon	NELAP	10	CA200005	01-29-15
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148388-0	12-31-14
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-15
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-14
Wyoming	State Program	8	8TMS-Q	01-29-15

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* Certification renewal pending - certification considered valid.



This project is a remediation project for the Waukegan Station area. The location of the Waukegan Station area is shown on the map.

ENVIRONMENTAL CONSULTATION & REMEDIATION		GROUNDWATER CONTOURS MAP AUGUST 2014	
<h1>K P R G</h1> <p>KPRG and Associates, Inc.</p> <p>14665 West Lisbon Road, Suite 28 Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478</p> <p>414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593</p>		WAUKEGAN STATION WAUKEGAN, ILLINOIS	
		Scale: 1" = 550'	Date: October 14, 2014
KPRG Project No. 20013		FIGURE X MW 613-15-45754	

AREAL DISTRIBUTION OF GROUNDWATER SAMPLING RESULTS

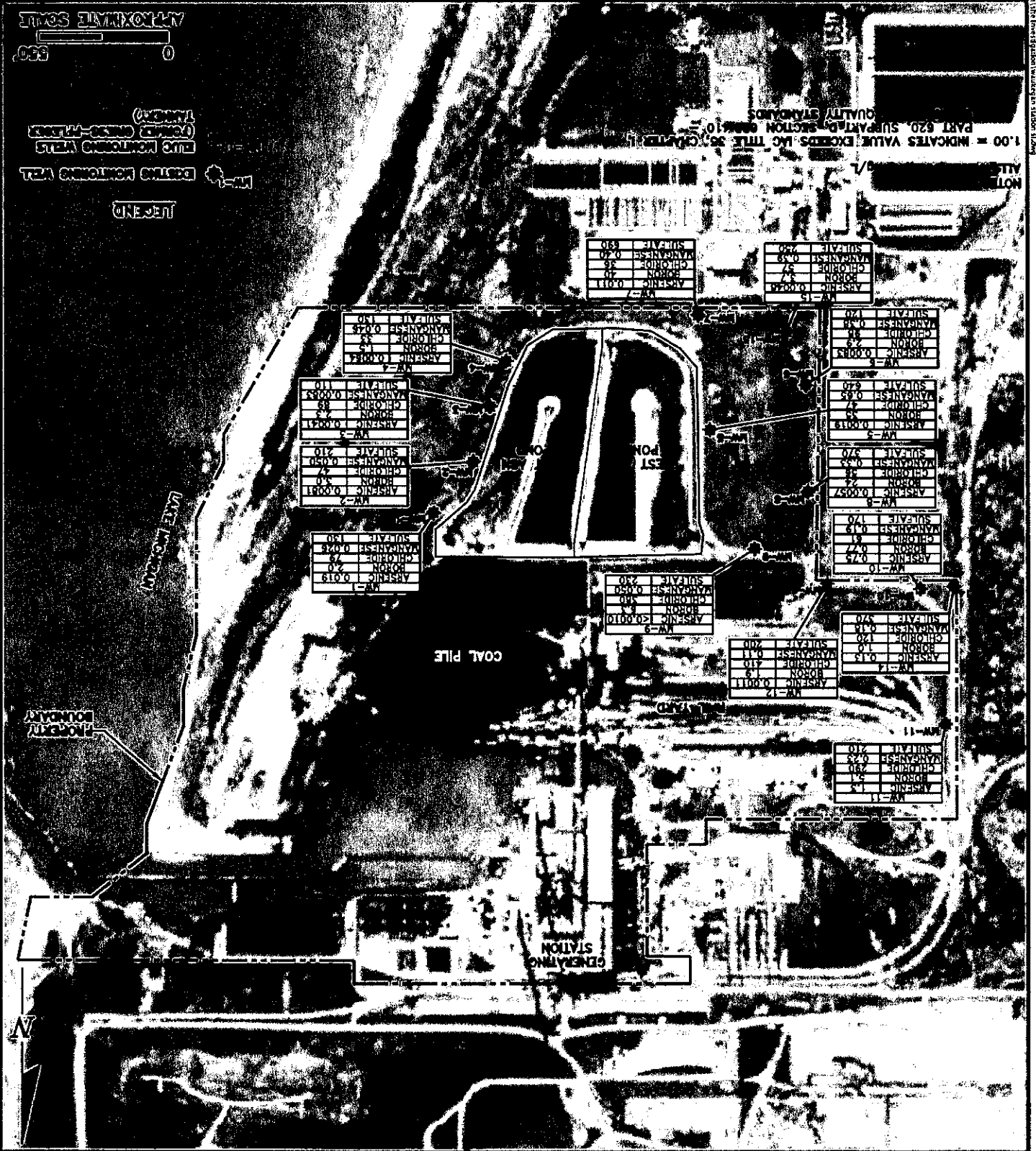
WAUKEGAN STATION
WAUKEGAN, ILLINOIS

Scale: 1" = 550' Date: October 6, 2014

KPRG Project No. 20013

MMWB-13-10755

FIGURE X



This document contains confidential information and is intended for the use of the client only. It is not to be distributed outside the client's organization without the prior written consent of KPRG and Associates, Inc.

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: 500-82876-1
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:
9/9/2014 3:36:03 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com



..... LINKS

Review your project results through
Total Access

Have a Question?
 **Ask The Expert**

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Case Narrative

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

TestAmerica Job ID: 500-82876-1

Job ID: 500-82876-1

3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-82876-1

Comments

No additional comments.

Receipt

The samples were received on 8/23/2014 6:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5° C, 3.8° C, 3.9° C and 4.2° C.

GC/MS VOA

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

Metals

No analytical or quality issues were noted, other than those described 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

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

Detection Summary

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-01

Lab Sample ID: 500-82876-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019		0.0010		mg/L	1		6020A	Dissolved
Barium	0.032		0.0025		mg/L	1		6020A	Dissolved
Boron	2.0		0.25		mg/L	5		6020A	Dissolved
Manganese	0.026		0.0025		mg/L	1		6020A	Dissolved
Sulfate	130		50		mg/L	10		9038	Dissolved
Chloride	79		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	460		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.76		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.024		0.020		mg/L	1		SM 4500 NO2 B	Dissolved

4

Client Sample ID: MW-02

Lab Sample ID: 500-82876-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0081		0.0010		mg/L	1		6020A	Dissolved
Barium	0.029		0.0025		mg/L	1		6020A	Dissolved
Boron	3.0		0.25		mg/L	5		6020A	Dissolved
Manganese	0.050		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0060		0.0025		mg/L	1		6020A	Dissolved
Sulfate	210		50		mg/L	10		9038	Dissolved
Chloride	47		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	550		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.76		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 500-82876-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0041		0.0010		mg/L	1		6020A	Dissolved
Barium	0.012		0.0025		mg/L	1		6020A	Dissolved
Boron	2.3		0.25		mg/L	5		6020A	Dissolved
Manganese	0.0083		0.0025		mg/L	1		6020A	Dissolved
Sulfate	110		50		mg/L	10		9038	Dissolved
Chloride	89		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	470		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.55		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 500-82876-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0064		0.0010		mg/L	1		6020A	Dissolved
Barium	0.029		0.0025		mg/L	1		6020A	Dissolved
Boron	1.5		0.25		mg/L	5		6020A	Dissolved
Manganese	0.046		0.0025		mg/L	1		6020A	Dissolved
Sulfate	130		25		mg/L	5		9038	Dissolved
Chloride	33		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	370		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.26		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-82876-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-05 (Continued)

Lab Sample ID: 500-82876-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0019		0.0010		mg/L			1	6020A	Dissolved
Barium	0.031		0.0025		mg/L			1	6020A	Dissolved
Boron	35		5.0		mg/L			100	6020A	Dissolved
Iron	4.0		0.10		mg/L			1	6020A	Dissolved
Manganese	0.65		0.0025		mg/L			1	6020A	Dissolved
Sulfate	640		130		mg/L			25	9038	Dissolved
Chloride	47		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	1600		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.31		0.10		mg/L			1	SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.047		0.020		mg/L			1	SM 4500 NO2 B	Dissolved

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Client Sample ID: MW-06

Lab Sample ID: 500-82876-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0083		0.0010		mg/L			1	6020A	Dissolved
Barium	0.089		0.0025		mg/L			1	6020A	Dissolved
Boron	2.9		0.25		mg/L			5	6020A	Dissolved
Iron	9.2		0.10		mg/L			1	6020A	Dissolved
Manganese	0.38		0.0025		mg/L			1	6020A	Dissolved
Selenium	0.0033		0.0025		mg/L			1	6020A	Dissolved
Sulfate	120		50		mg/L			10	9038	Dissolved
Chloride	98		10		mg/L			5	9251	Dissolved
Total Dissolved Solids	950		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.35		0.10		mg/L			1	SM 4500 F C	Dissolved

Client Sample ID: MW-07

Lab Sample ID: 500-82876-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.011		0.0010		mg/L			1	6020A	Dissolved
Barium	0.072		0.0025		mg/L			1	6020A	Dissolved
Boron	40		5.0		mg/L			100	6020A	Dissolved
Iron	11		0.10		mg/L			1	6020A	Dissolved
Manganese	0.40		0.0025		mg/L			1	6020A	Dissolved
Sulfate	690		130		mg/L			25	9038	Dissolved
Chloride	36		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	1600		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.47		0.10		mg/L			1	SM 4500 F C	Dissolved

Client Sample ID: DUPLICATE

Lab Sample ID: 500-82876-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.017		0.0010		mg/L			1	6020A	Dissolved
Barium	0.033		0.0025		mg/L			1	6020A	Dissolved
Boron	2.0		0.25		mg/L			5	6020A	Dissolved
Manganese	0.027		0.0025		mg/L			1	6020A	Dissolved
Sulfate	150		50		mg/L			10	9038	Dissolved
Chloride	79		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	520		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.77		0.10		mg/L			1	SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.036		0.020		mg/L			1	SM 4500 NO2 B	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-82876-9

No Detections.

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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: 500-82876-1

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

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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TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-82876-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-82876-1	MW-01	Water	08/21/14 09:10	08/23/14 06:30
500-82876-2	MW-02	Water	08/21/14 12:05	08/23/14 06:30
500-82876-3	MW-03	Water	08/21/14 13:08	08/23/14 06:30
500-82876-4	MW-04	Water	08/21/14 14:08	08/23/14 06:30
500-82876-5	MW-05	Water	08/21/14 18:15	08/23/14 06:30
500-82876-6	MW-06	Water	08/21/14 17:20	08/23/14 06:30
500-82876-7	MW-07	Water	08/21/14 16:10	08/23/14 06:30
500-82876-8	DUPLICATE	Water	08/21/14 00:00	08/23/14 06:30
500-82876-9	TRIP BLANK	Water	08/21/14 00:00	08/23/14 06:30

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-01

Lab Sample ID: 500-82876-1

Date Collected: 08/21/14 09:10

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 11:12	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 11:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 11:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 11:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 11:12	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 11:12	1
4-Bromofluorobenzene (Surr)	98		75 - 120					08/25/14 11:12	1
Dibromofluoromethane	95		75 - 120					08/25/14 11:12	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:02	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		08/25/14 11:40	08/25/14 11:55	1
Arsenic	0.019		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Barium	0.032		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Boron	2.0		0.25		mg/L		08/25/14 11:40	08/26/14 12:00	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:55	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:55	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Manganese	0.026		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:55	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:55	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:55	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:22	1
Sulfate	130		50		mg/L			09/05/14 09:17	10
Chloride	79		10		mg/L			08/23/14 19:56	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	460		10		mg/L			08/26/14 04:20	1
Fluoride	0.76		0.10		mg/L			08/30/14 19:41	1
Nitrogen, Nitrite	0.024		0.020		mg/L			08/22/14 21:01	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:04	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-02

Lab Sample ID: 500-82876-2

Date Collected: 08/21/14 12:05

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 11:37	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 11:37	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 11:37	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		75 - 125					08/25/14 11:37	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 11:37	1
4-Bromofluorobenzene (Surr)	102		75 - 120					08/25/14 11:37	1
Dibromofluoromethane	96		75 - 120					08/25/14 11:37	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:17	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		08/25/14 11:40	08/25/14 12:12	1
Arsenic	0.0081		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Barium	0.029		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Boron	3.0		0.25		mg/L		08/25/14 11:40	08/26/14 12:29	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:12	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:12	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Manganese	0.050		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Selenium	0.0060		0.0025		mg/L		08/25/14 11:40	08/25/14 12:12	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:12	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:12	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:12	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:49	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:22	1
Sulfate	210		50		mg/L			09/05/14 09:18	10
Chloride	47		2.0		mg/L			08/23/14 19:22	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	550		10		mg/L			08/26/14 04:25	1
Fluoride	0.76		0.10		mg/L			08/30/14 19:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:02	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:06	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-03

Lab Sample ID: 500-82876-3

Date Collected: 08/21/14 13:08

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:02	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:02	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:02	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:02	1
Surrogate									
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 125					08/25/14 12:02	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 12:02	1
4-Bromofluorobenzene (Surr)	105		75 - 120					08/25/14 12:02	1
Dibromofluoromethane	97		75 - 120					08/25/14 12:02	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:33	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		08/25/14 11:40	08/25/14 12:15	1
Arsenic	0.0041		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Barium	0.012		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Boron	2.3		0.25		mg/L		08/25/14 11:40	08/26/14 12:33	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:15	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:15	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Manganese	0.0083		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:15	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:15	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:15	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	110		50		mg/L			09/05/14 09:19	10
Chloride	89		10		mg/L			08/23/14 19:56	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	470		10		mg/L			08/26/14 04:28	1
Fluoride	0.55		0.10		mg/L			08/30/14 20:00	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:03	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:09	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-04

Lab Sample ID: 500-82876-4

Date Collected: 08/21/14 14:08

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:27	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 12:27	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 12:27	1
4-Bromofluorobenzene (Surr)	103		75 - 120					08/25/14 12:27	1
Dibromofluoromethane	93		75 - 120					08/25/14 12:27	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 20:48	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		08/25/14 11:40	08/25/14 12:19	1
Arsenic	0.0064		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Barium	0.029		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Boron	1.5		0.25		mg/L		08/25/14 11:40	08/26/14 12:37	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:19	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:19	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Manganese	0.046		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:19	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:19	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:19	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:19	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:57	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	130		25		mg/L			09/05/14 09:20	5
Chloride	33		2.0		mg/L			08/23/14 19:24	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	370		10		mg/L			08/26/14 04:30	1
Fluoride	0.26		0.10		mg/L			08/30/14 20:03	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:03	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:11	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-05

Lab Sample ID: 500-82876-5

Date Collected: 08/21/14 18:15

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 12:53	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 12:53	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 12:53	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 125		08/25/14 12:53	1
Toluene-d8 (Surr)	95		75 - 120		08/25/14 12:53	1
4-Bromofluorobenzene (Surr)	102		75 - 120		08/25/14 12:53	1
Dibromofluoromethane	95		75 - 120		08/25/14 12:53	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:04	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		08/25/14 11:40	08/25/14 12:29	1
Arsenic	0.0019		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Barium	0.031		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Boron	35		5.0		mg/L		08/25/14 11:40	08/26/14 12:41	100
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:29	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Iron	4.0		0.10		mg/L		08/25/14 11:40	08/25/14 12:29	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Manganese	0.65		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:29	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:29	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:29	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:23	1
Sulfate	640		130		mg/L			09/05/14 09:23	25
Chloride	47		2.0		mg/L			08/23/14 19:25	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1600		10		mg/L			08/26/14 04:33	1
Fluoride	0.31		0.10		mg/L			08/30/14 20:05	1
Nitrogen, Nitrite	0.047		0.020		mg/L			08/22/14 21:04	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:13	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-06

Lab Sample ID: 500-82876-6

Date Collected: 08/21/14 17:20

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 13:18	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 13:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 13:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 125					08/25/14 13:18	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 13:18	1
4-Bromofluorobenzene (Surr)	99		75 - 120					08/25/14 13:18	1
Dibromofluoromethane	93		75 - 120					08/25/14 13:18	1

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Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:19	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		08/25/14 11:40	08/25/14 12:33	1
Arsenic	0.0083		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Barium	0.089		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Boron	2.9		0.25		mg/L		08/25/14 11:40	08/26/14 15:34	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:33	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Iron	9.2		0.10		mg/L		08/25/14 11:40	08/25/14 12:33	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Manganese	0.38		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Selenium	0.0033		0.0025		mg/L		08/25/14 11:40	08/25/14 12:33	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:33	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:33	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:33	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:01	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:24	1
Sulfate	120		50		mg/L			09/05/14 09:24	10
Chloride	98		10		mg/L			08/23/14 19:57	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	950		10		mg/L			08/26/14 04:35	1
Fluoride	0.35		0.10		mg/L			08/30/14 20:08	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:04	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:15	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: MW-07

Lab Sample ID: 500-82876-7

Date Collected: 08/21/14 16:10

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 13:43	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 13:43	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 13:43	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 125					08/25/14 13:43	1
Toluene-d8 (Surr)	98		75 - 120					08/25/14 13:43	1
4-Bromofluorobenzene (Surr)	99		75 - 120					08/25/14 13:43	1
Dibromofluoromethane	96		75 - 120					08/25/14 13:43	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:34	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		08/25/14 11:40	08/25/14 12:36	1
Arsenic	0.011		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Barium	0.072		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Boron	40		5.0		mg/L		08/25/14 11:40	08/26/14 15:38	100
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:36	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Iron	11		0.10		mg/L		08/25/14 11:40	08/25/14 12:36	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Manganese	0.40		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:36	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:36	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:36	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		08/30/14 15:30	09/01/14 17:24	1
Sulfate	690		130		mg/L			09/09/14 05:23	25
Chloride	36		2.0		mg/L			08/23/14 19:26	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1600		10		mg/L			08/26/14 04:38	1
Fluoride	0.47		0.10		mg/L			08/30/14 20:10	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:05	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 16:29	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-82876-8

Date Collected: 08/21/14 00:00

Matrix: Water

Date Received: 08/23/14 06:30

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			08/26/14 10:45	1
Toluene	<0.00050		0.00050		mg/L			08/26/14 10:45	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/26/14 10:45	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/26/14 10:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 125		08/26/14 10:45	1
Toluene-d8 (Surr)	91		75 - 120		08/26/14 10:45	1
4-Bromofluorobenzene (Surr)	99		75 - 120		08/26/14 10:45	1
Dibromofluoromethane	96		75 - 120		08/26/14 10:45	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 21:50	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		08/25/14 11:40	08/25/14 12:39	1
Arsenic	0.017		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Barium	0.033		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Boron	2.0		0.25		mg/L		08/25/14 11:40	08/26/14 15:42	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:39	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 12:39	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Manganese	0.027		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:39	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:39	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:39	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:39	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:11	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:37	1
Sulfate	150		50		mg/L			09/05/14 09:25	10
Chloride	79		2.0		mg/L			08/23/14 19:57	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	520		10		mg/L			08/26/14 04:41	1
Fluoride	0.77		0.10		mg/L			08/30/14 20:13	1
Nitrogen, Nitrite	0.036		0.020		mg/L			08/22/14 21:08	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 16:31	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 500-82876-9

Date Collected: 08/21/14 00:00

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 16:02	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 16:02	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 16:02	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		75 - 125					08/25/14 16:02	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 16:02	1
4-Bromofluorobenzene (Surr)	100		75 - 120					08/25/14 16:02	1
Dibromofluoromethane	96		75 - 120					08/25/14 16:02	1

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TestAmerica Chicago

Definitions/Glossary

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

TestAmerica Job ID: 500-82876-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
"	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-1

GC/MS VOA

Analysis Batch: 251395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Total/NA	Water	8260B	
500-82876-2	MW-02	Total/NA	Water	8260B	
500-82876-3	MW-03	Total/NA	Water	8260B	
500-82876-4	MW-04	Total/NA	Water	8260B	
500-82876-5	MW-05	Total/NA	Water	8260B	
500-82876-6	MW-06	Total/NA	Water	8260B	
500-82876-7	MW-07	Total/NA	Water	8260B	
500-82876-9	TRIP BLANK	Total/NA	Water	8260B	
LCS 500-251395/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251395/6	Method Blank	Total/NA	Water	8260B	

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Analysis Batch: 251576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Total/NA	Water	8260B	
500-82876-8 MS	DUPLICATE	Total/NA	Water	8260B	
500-82876-8 MSD	DUPLICATE	Total/NA	Water	8260B	
LCS 500-251576/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251576/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 51867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Total/NA	Water	314.0	
500-82876-2	MW-02	Total/NA	Water	314.0	
500-82876-3	MW-03	Total/NA	Water	314.0	
500-82876-4	MW-04	Total/NA	Water	314.0	
500-82876-5	MW-05	Total/NA	Water	314.0	
500-82876-6	MW-06	Total/NA	Water	314.0	
500-82876-7	MW-07	Total/NA	Water	314.0	
500-82876-8	DUPLICATE	Total/NA	Water	314.0	
LCS 320-51867/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-51867/6	Method Blank	Total/NA	Water	314.0	
MRL 320-51867/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 251456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 DU	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 MS	MW-01	Dissolved	Water	Soluble Metals	
500-82876-1 MSD	MW-01	Dissolved	Water	Soluble Metals	
500-82876-2	MW-02	Dissolved	Water	Soluble Metals	
500-82876-3	MW-03	Dissolved	Water	Soluble Metals	
500-82876-4	MW-04	Dissolved	Water	Soluble Metals	
500-82876-5	MW-05	Dissolved	Water	Soluble Metals	
500-82876-6	MW-06	Dissolved	Water	Soluble Metals	
500-82876-7	MW-07	Dissolved	Water	Soluble Metals	
500-82876-8	DUPLICATE	Dissolved	Water	Soluble Metals	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-1

Metals (Continued)

Prep Batch: 251456 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-251456/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 251478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	6020A	251456
500-82876-1 DU	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MS	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MSD	MW-01	Dissolved	Water	6020A	251456
500-82876-2	MW-02	Dissolved	Water	6020A	251456
500-82876-3	MW-03	Dissolved	Water	6020A	251456
500-82876-4	MW-04	Dissolved	Water	6020A	251456
500-82876-5	MW-05	Dissolved	Water	6020A	251456
500-82876-6	MW-06	Dissolved	Water	6020A	251456
500-82876-7	MW-07	Dissolved	Water	6020A	251456
500-82876-8	DUPLICATE	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

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Analysis Batch: 251696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	6020A	251456
500-82876-1 DU	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MS	MW-01	Dissolved	Water	6020A	251456
500-82876-1 MSD	MW-01	Dissolved	Water	6020A	251456
500-82876-2	MW-02	Dissolved	Water	6020A	251456
500-82876-3	MW-03	Dissolved	Water	6020A	251456
500-82876-4	MW-04	Dissolved	Water	6020A	251456
500-82876-5	MW-05	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-6	MW-06	Dissolved	Water	6020A	251456
500-82876-7	MW-07	Dissolved	Water	6020A	251456
500-82876-8	DUPLICATE	Dissolved	Water	6020A	251456

Prep Batch: 252739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	7470A	
500-82876-2	MW-02	Dissolved	Water	7470A	
500-82876-3	MW-03	Dissolved	Water	7470A	
500-82876-4	MW-04	Dissolved	Water	7470A	
500-82876-5	MW-05	Dissolved	Water	7470A	
500-82876-6	MW-06	Dissolved	Water	7470A	
500-82876-7	MW-07	Dissolved	Water	7470A	
500-82876-7 DU	MW-07	Dissolved	Water	7470A	
500-82876-7 MS	MW-07	Dissolved	Water	7470A	
500-82876-7 MSD	MW-07	Dissolved	Water	7470A	
500-82876-8	DUPLICATE	Dissolved	Water	7470A	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

Metals (Continued)

Prep Batch: 252739 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 252986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	7470A	252739
500-82876-2	MW-02	Dissolved	Water	7470A	252739
500-82876-3	MW-03	Dissolved	Water	7470A	252739
500-82876-4	MW-04	Dissolved	Water	7470A	252739
500-82876-5	MW-05	Dissolved	Water	7470A	252739
500-82876-6	MW-06	Dissolved	Water	7470A	252739
500-82876-7	MW-07	Dissolved	Water	7470A	252739
500-82876-7 DU	MW-07	Dissolved	Water	7470A	252739
500-82876-7 MS	MW-07	Dissolved	Water	7470A	252739
500-82876-7 MSD	MW-07	Dissolved	Water	7470A	252739
500-82876-8	DUPLICATE	Dissolved	Water	7470A	252739
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	252739
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	252739

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General Chemistry

Analysis Batch: 251294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-1 MS	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-1 MSD	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-82876-2	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-82876-3	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-82876-4	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-82876-5	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-82876-6	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-82876-7	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	
LCS 500-251294/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-251294/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 251311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9251	
500-82876-2	MW-02	Dissolved	Water	9251	
500-82876-3	MW-03	Dissolved	Water	9251	
500-82876-4	MW-04	Dissolved	Water	9251	
500-82876-5	MW-05	Dissolved	Water	9251	
500-82876-6	MW-06	Dissolved	Water	9251	
500-82876-7	MW-07	Dissolved	Water	9251	
500-82876-8	DUPLICATE	Dissolved	Water	9251	
LCS 500-251311/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-251311/4	Method Blank	Total/NA	Water	9251	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Analysis Batch: 251592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 2540C	
500-82876-1 DU	MW-01	Dissolved	Water	SM 2540C	
500-82876-2	MW-02	Dissolved	Water	SM 2540C	
500-82876-3	MW-03	Dissolved	Water	SM 2540C	
500-82876-4	MW-04	Dissolved	Water	SM 2540C	
500-82876-5	MW-05	Dissolved	Water	SM 2540C	
500-82876-6	MW-06	Dissolved	Water	SM 2540C	
500-82876-7	MW-07	Dissolved	Water	SM 2540C	
500-82876-8	DUPLICATE	Dissolved	Water	SM 2540C	
LCS 500-251592/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-251592/1	Method Blank	Total/NA	Water	SM 2540C	

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Analysis Batch: 252088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-82876-2	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-82876-3	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-82876-4	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-82876-5	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-82876-6	MW-06	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252088/15	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252088/14	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-7	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252133/4	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252133/3	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	Nitrate by calc	
500-82876-2	MW-02	Dissolved	Water	Nitrate by calc	
500-82876-3	MW-03	Dissolved	Water	Nitrate by calc	
500-82876-4	MW-04	Dissolved	Water	Nitrate by calc	
500-82876-5	MW-05	Dissolved	Water	Nitrate by calc	
500-82876-6	MW-06	Dissolved	Water	Nitrate by calc	
500-82876-7	MW-07	Dissolved	Water	Nitrate by calc	
500-82876-8	DUPLICATE	Dissolved	Water	Nitrate by calc	

Prep Batch: 252381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9010B	
500-82876-2	MW-02	Dissolved	Water	9010B	
500-82876-3	MW-03	Dissolved	Water	9010B	
500-82876-4	MW-04	Dissolved	Water	9010B	
500-82876-5	MW-05	Dissolved	Water	9010B	
500-82876-6	MW-06	Dissolved	Water	9010B	
500-82876-7	MW-07	Dissolved	Water	9010B	
LCS 500-252381/2-A	Lab Control Sample	Total/NA	Water	9010B	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Prep Batch: 252381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-252381/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 252442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-1 MS	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-1 MSD	MW-01	Dissolved	Water	SM 4500 F C	
500-82876-2	MW-02	Dissolved	Water	SM 4500 F C	
500-82876-3	MW-03	Dissolved	Water	SM 4500 F C	
500-82876-4	MW-04	Dissolved	Water	SM 4500 F C	
500-82876-5	MW-05	Dissolved	Water	SM 4500 F C	
500-82876-6	MW-06	Dissolved	Water	SM 4500 F C	
500-82876-7	MW-07	Dissolved	Water	SM 4500 F C	
500-82876-8	DUPLICATE	Dissolved	Water	SM 4500 F C	
LCS 500-252442/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-252442/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 252450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9014	252381
500-82876-2	MW-02	Dissolved	Water	9014	252381
500-82876-3	MW-03	Dissolved	Water	9014	252381
500-82876-4	MW-04	Dissolved	Water	9014	252381
500-82876-5	MW-05	Dissolved	Water	9014	252381
500-82876-6	MW-06	Dissolved	Water	9014	252381
500-82876-7	MW-07	Dissolved	Water	9014	252381
LCS 500-252381/2-A	Lab Control Sample	Total/NA	Water	9014	252381
MB 500-252381/1-A	Method Blank	Total/NA	Water	9014	252381

Prep Batch: 252743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9010B	
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-252743/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 252822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9014	252743
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9014	252743
MB 500-252743/1-A	Method Blank	Total/NA	Water	9014	252743

Analysis Batch: 253124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-1	MW-01	Dissolved	Water	9038	
500-82876-2	MW-02	Dissolved	Water	9038	
500-82876-3	MW-03	Dissolved	Water	9038	
500-82876-4	MW-04	Dissolved	Water	9038	
500-82876-4 MS	MW-04	Dissolved	Water	9038	
500-82876-4 MSD	MW-04	Dissolved	Water	9038	
500-82876-5	MW-05	Dissolved	Water	9038	
500-82876-6	MW-06	Dissolved	Water	9038	

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QC Association Summary

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

TestAmerica Job ID: 500-82876-1

General Chemistry (Continued)

Analysis Batch: 253124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-8	DUPLICATE	Dissolved	Water	9038	
LCS 500-253124/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253124/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 253498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-7	MW-07	Dissolved	Water	9038	
LCS 500-253498/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253498/3	Method Blank	Total/NA	Water	9038	

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TestAmerica Chicago

Surrogate Summary

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

TestAmerica Job ID: 500-82876-1

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 (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-82876-1	MW-01	115	97	98	95
500-82876-2	MW-02	117	97	102	96
500-82876-3	MW-03	116	96	105	97
500-82876-4	MW-04	115	96	103	93
500-82876-5	MW-05	112	95	102	95
500-82876-6	MW-06	113	97	99	93
500-82876-7	MW-07	115	98	99	96
500-82876-8	DUPLICATE	103	91	99	96
500-82876-8 MS	DUPLICATE	104	99	97	98
500-82876-8 MSD	DUPLICATE	105	94	105	98
500-82876-9	TRIP BLANK	100	96	100	96
LCS 500-251395/4	Lab Control Sample	115	100	101	99
LCS 500-251576/4	Lab Control Sample	103	98	96	96
MB 500-251395/6	Method Blank	117	99	100	98
MB 500-251576/6	Method Blank	101	93	102	95

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane

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QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: MB 500-251395/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 10:47	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	117		75 - 125					08/25/14 10:47	1
Toluene-d8 (Surr)	99		75 - 120					08/25/14 10:47	1
4-Bromofluorobenzene (Surr)	100		75 - 120					08/25/14 10:47	1
Dibromofluoromethane	98		75 - 120					08/25/14 10:47	1

Lab Sample ID: LCS 500-251395/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte		Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
			Result	Qualifier					
Benzene		0.0500	0.0495		mg/L		99	75 - 120	
Toluene		0.0500	0.0501		mg/L		100	75 - 120	
Ethylbenzene		0.0500	0.0478		mg/L		96	75 - 120	
Xylenes, Total		0.100	0.0979		mg/L		98	75 - 120	
Surrogate	LCS LCS		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	115		75 - 125						
Toluene-d8 (Surr)	100		75 - 120						
4-Bromofluorobenzene (Surr)	101		75 - 120						
Dibromofluoromethane	99		75 - 120						

Lab Sample ID: MB 500-251576/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251576									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Toluene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/26/14 10:21	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/26/14 10:21	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	101		75 - 125					08/26/14 10:21	1
Toluene-d8 (Surr)	93		75 - 120					08/26/14 10:21	1
4-Bromofluorobenzene (Surr)	102		75 - 120					08/26/14 10:21	1
Dibromofluoromethane	95		75 - 120					08/26/14 10:21	1

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QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: LCS 500-251576/4
Matrix: Water
Analysis Batch: 251576

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0512		mg/L		102	75 - 120
Toluene	0.0500	0.0494		mg/L		99	75 - 120
Ethylbenzene	0.0500	0.0483		mg/L		97	75 - 120
Xylenes, Total	0.100	0.100		mg/L		100	75 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 125
Toluene-d8 (Surr)	98		75 - 120
4-Bromofluorobenzene (Surr)	96		75 - 120
Dibromofluoromethane	96		75 - 120

Lab Sample ID: 500-82876-8 MS
Matrix: Water
Analysis Batch: 251576

Client Sample ID: DUPLICATE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0503		mg/L		101	75 - 120
Toluene	<0.00050		0.0500	0.0482		mg/L		96	75 - 120
Ethylbenzene	<0.00050		0.0500	0.0476		mg/L		95	75 - 120
Xylenes, Total	<0.0010		0.100	0.100		mg/L		100	75 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		75 - 125
Toluene-d8 (Surr)	99		75 - 120
4-Bromofluorobenzene (Surr)	97		75 - 120
Dibromofluoromethane	98		75 - 120

Lab Sample ID: 500-82876-8 MSD
Matrix: Water
Analysis Batch: 251576

Client Sample ID: DUPLICATE
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	<0.00050		0.0500	0.0512		mg/L		102	75 - 120	2	20
Toluene	<0.00050		0.0500	0.0474		mg/L		95	75 - 120	2	20
Ethylbenzene	<0.00050		0.0500	0.0486		mg/L		97	75 - 120	2	20
Xylenes, Total	<0.0010		0.100	0.0976		mg/L		98	75 - 120	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		75 - 125
Toluene-d8 (Surr)	94		75 - 120
4-Bromofluorobenzene (Surr)	105		75 - 120
Dibromofluoromethane	98		75 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-51867/6 Matrix: Water Analysis Batch: 51867						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			09/08/14 16:42	1

Lab Sample ID: LCS 320-51867/7 Matrix: Water Analysis Batch: 51867						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	0.0513		mg/L		103	85 - 115		

Lab Sample ID: MRL 320-51867/5 Matrix: Water Analysis Batch: 51867						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		96	75 - 125		

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-82876-1 MS Matrix: Water Analysis Batch: 251478						Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Antimony	<0.0030		0.500	0.455		mg/L		91	75 - 125	
Arsenic	0.019		0.100	0.123		mg/L		104	75 - 125	
Barium	0.032		0.500	0.533		mg/L		100	75 - 125	
Beryllium	<0.0010		0.0500	0.0470		mg/L		94	75 - 125	
Cadmium	<0.00050		0.0500	0.0487		mg/L		97	75 - 125	
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	
Cobalt	<0.0010		0.500	0.489		mg/L		98	75 - 125	
Copper	<0.0020		0.250	0.252		mg/L		101	75 - 125	
Iron	<0.10		1.00	1.06		mg/L		106	75 - 125	
Lead	<0.00050		0.100	0.108		mg/L		108	75 - 125	
Manganese	0.026		0.500	0.520		mg/L		99	75 - 125	
Nickel	<0.0020		0.500	0.489		mg/L		98	75 - 125	
Selenium	<0.0025		0.100	0.112		mg/L		110	75 - 125	
Silver	<0.00050		0.0500	0.0444		mg/L		89	75 - 125	
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125	
Vanadium	<0.0050		0.500	0.491		mg/L		97	75 - 125	
Zinc	<0.020		0.500	0.519		mg/L		104	75 - 125	

Lab Sample ID: 500-82876-1 MS Matrix: Water Analysis Batch: 251696						Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456				
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
Boron	2.0		10.0	12.0		mg/L		99	75 - 125	

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 MSD Matrix: Water Analysis Batch: 251478							Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456				
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Antimony	<0.0030		0.500	0.461		mg/L		92	75 - 125	1	20
Arsenic	0.019		0.100	0.123		mg/L		104	75 - 125	0	20
Barium	0.032		0.500	0.534		mg/L		100	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0471		mg/L		94	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0494		mg/L		99	75 - 125	1	20
Chromium	<0.0050		0.200	0.200		mg/L		100	75 - 125	3	20
Cobalt	<0.0010		0.500	0.494		mg/L		99	75 - 125	1	20
Copper	<0.0020		0.250	0.257		mg/L		103	75 - 125	2	20
Iron	<0.10		1.00	1.06		mg/L		106	75 - 125	0	20
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125	5	20
Manganese	0.026		0.500	0.526		mg/L		100	75 - 125	1	20
Nickel	<0.0020		0.500	0.496		mg/L		99	75 - 125	1	20
Selenium	<0.0025		0.100	0.113		mg/L		111	75 - 125	1	20
Silver	<0.00050		0.0500	0.0455		mg/L		91	75 - 125	2	20
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125	1	20
Vanadium	<0.0050		0.500	0.499		mg/L		99	75 - 125	2	20
Zinc	<0.020		0.500	0.524		mg/L		105	75 - 125	1	20

Lab Sample ID: 500-82876-1 MSD Matrix: Water Analysis Batch: 251696							Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456				
Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit	
Boron	2.0		10.0	11.8		mg/L		98	75 - 125	1	20

Lab Sample ID: 500-82876-1 DU Matrix: Water Analysis Batch: 251478							Client Sample ID: MW-01 Prep Type: Dissolved Prep Batch: 251456				
Analyte	Sample	Sample	DU		Unit	D	RPD	RPD	Limit		
	Result	Qualifier	Result	Qualifier							
Antimony	<0.0030		<0.0030		mg/L			NC	20		
Arsenic	0.019		0.0190		mg/L			1	20		
Barium	0.032		0.0322		mg/L			1	20		
Beryllium	<0.0010		<0.0010		mg/L			NC	20		
Cadmium	<0.00050		<0.00050		mg/L			NC	20		
Chromium	<0.0050		<0.0050		mg/L			NC	20		
Cobalt	<0.0010		<0.0010		mg/L			NC	20		
Copper	<0.0020		<0.0020		mg/L			NC	20		
Iron	<0.10		<0.10		mg/L			NC	20		
Lead	<0.00050		<0.00050		mg/L			NC	20		
Manganese	0.026		0.0255		mg/L			0.3	20		
Nickel	<0.0020		<0.0020		mg/L			NC	20		
Selenium	<0.0025		<0.0025		mg/L			NC	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		

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 DU
Matrix: Water
Analysis Batch: 251696

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 251456

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Boron	2.0		2.03		mg/L		1	20

Lab Sample ID: MB 500-251456/1-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 251456

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		08/25/14 11:40	08/25/14 11:48	1
Arsenic	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Barium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:48	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Manganese	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:48	1

Lab Sample ID: MB 500-251456/1-A
Matrix: Water
Analysis Batch: 251696

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 251456

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.050		0.050		mg/L		08/25/14 11:40	08/26/14 11:52	1

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Antimony	0.500	0.459		mg/L		92	80 - 120	
Arsenic	0.100	0.0943		mg/L		94	80 - 120	
Barium	0.500	0.498		mg/L		100	80 - 120	
Beryllium	0.0500	0.0488		mg/L		98	80 - 120	
Cadmium	0.0500	0.0493		mg/L		99	80 - 120	
Chromium	0.200	0.202		mg/L		101	80 - 120	
Cobalt	0.500	0.501		mg/L		100	80 - 120	
Copper	0.250	0.260		mg/L		104	80 - 120	
Iron	1.00	1.14		mg/L		114	80 - 120	
Lead	0.100	0.102		mg/L		102	80 - 120	
Manganese	0.500	0.510		mg/L		102	80 - 120	
Nickel	0.500	0.508		mg/L		102	80 - 120	

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Selenium	0.100	0.0934		mg/L		93	80 - 120	
Silver	0.0500	0.0503		mg/L		101	80 - 120	
Thallium	0.100	0.110		mg/L		110	80 - 120	
Vanadium	0.500	0.481		mg/L		96	80 - 120	
Zinc	0.500	0.504		mg/L		101	80 - 120	

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251696

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Boron	1.00	1.02		mg/L		102	80 - 120	

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-252739/12-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252739

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:44	1

Lab Sample ID: LCS 500-252739/13-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Mercury	0.00200	0.00221		mg/L		111	80 - 120	

Lab Sample ID: 500-82876-7 MS
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.	
									Limits	
Mercury	<0.00020		0.00100	0.00108		mg/L		108	75 - 125	

Lab Sample ID: 500-82876-7 MSD
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.		
									Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.000983		mg/L		98	75 - 125	9	20

Lab Sample ID: 500-82876-7 DU
Matrix: Water
Analysis Batch: 252986

Client Sample ID: MW-07
Prep Type: Dissolved
Prep Batch: 252739

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	%Rec.	
									Limits	RPD
Mercury	<0.00020			<0.00020		mg/L			NC	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 9014 - Cyanide

Lab Sample ID: MB 500-252381/1-A						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252450						Prep Batch: 252381			
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	Result	Qualifier	0.010		mg/L		08/30/14 15:30	09/01/14 17:20	1
	<0.010								

Lab Sample ID: LCS 500-252381/2-A						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252450						Prep Batch: 252381			
Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits		
Cyanide, Total	Added	Result	Qualifier	mg/L		105	80 - 120		
	0.100	0.105							

Lab Sample ID: MB 500-252743/1-A						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252822						Prep Batch: 252743			
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	Result	Qualifier	0.010		mg/L		09/03/14 12:30	09/03/14 16:35	1
	<0.010								

Lab Sample ID: LCS 500-252743/2-A						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252822						Prep Batch: 252743			
Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits		
Cyanide, Total	Added	Result	Qualifier	mg/L		97	80 - 120		
	0.100	0.0968							

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-253124/3						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 253124									
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	Result	Qualifier	5.0		mg/L			09/05/14 09:05	1
	<5.0								

Lab Sample ID: LCS 500-253124/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 253124									
Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits		
Sulfate	Added	Result	Qualifier	mg/L		101	80 - 120		
	20.0	20.2							

Lab Sample ID: MB 500-253498/3						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 253498									
Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	Result	Qualifier	5.0		mg/L			09/09/14 05:14	1
	<5.0								

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: LCS 500-253498/4
Matrix: Water
Analysis Batch: 253498

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

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

Lab Sample ID: 500-82876-4 MS
Matrix: Water
Analysis Batch: 253124

Client Sample ID: MW-04
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	130		200	317		mg/L		96	75 - 125

Lab Sample ID: 500-82876-4 MSD
Matrix: Water
Analysis Batch: 253124

Client Sample ID: MW-04
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfate	130		200	334		mg/L		104	75 - 125	5	20

Method: 9251 - Chloride

Lab Sample ID: MB 500-251311/4
Matrix: Water
Analysis Batch: 251311

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			08/23/14 19:11	1

Lab Sample ID: LCS 500-251311/5
Matrix: Water
Analysis Batch: 251311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.9		mg/L		102	80 - 120

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

Lab Sample ID: MB 500-251592/1
Matrix: Water
Analysis Batch: 251592

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			08/26/14 04:02	1

Lab Sample ID: LCS 500-251592/2
Matrix: Water
Analysis Batch: 251592

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 DU						Client Sample ID: MW-01			
Matrix: Water						Prep Type: Dissolved			
Analysis Batch: 251592									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
Total Dissolved Solids	460		450		mg/L		2	5	

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-252442/3						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252442									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			08/30/14 19:24	1

Lab Sample ID: LCS 500-252442/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 252442									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	10.0	10.7		mg/L		107	80 - 120		

Lab Sample ID: 500-82876-1 MS						Client Sample ID: MW-01			
Matrix: Water						Prep Type: Dissolved			
Analysis Batch: 252442									
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.76		5.00	6.05		mg/L		106	75 - 125

Lab Sample ID: 500-82876-1 MSD						Client Sample ID: MW-01					
Matrix: Water						Prep Type: Dissolved					
Analysis Batch: 252442											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Fluoride	0.76		5.00	6.11		mg/L		107	75 - 125	1	20

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-251294/3						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251294									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:00	1

Lab Sample ID: LCS 500-251294/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251294									
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrite	0.100	0.102		mg/L		102	80 - 120		

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-1

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

Lab Sample ID: 500-82876-1 MS
Matrix: Water
Analysis Batch: 251294

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.024		0.100	0.109		mg/L		84	75 - 125

Lab Sample ID: 500-82876-1 MSD
Matrix: Water
Analysis Batch: 251294

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	0.024		0.100	0.107		mg/L		82	75 - 125	2	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-252088/14
Matrix: Water
Analysis Batch: 252088

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			08/28/14 12:01	1

Lab Sample ID: LCS 500-252088/15
Matrix: Water
Analysis Batch: 252088

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	1.01		mg/L		101	80 - 120

Lab Sample ID: MB 500-252133/3
Matrix: Water
Analysis Batch: 252133

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			08/28/14 16:16	1

Lab Sample ID: LCS 500-252133/4
Matrix: Water
Analysis Batch: 252133

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	0.936		mg/L		94	80 - 120

TestAmerica Chicago

TestAmerica

THE LEADER IN ENV

TestAmerica Chica

2417 Bond St.

University Park, IL 600-82876 COC

708-534-5200

Fax: 708-534-5211



Report To:

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

Bill To:

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

Lab Lot # 500-82876
 Package Sealed Yes No
 Samples Sealed Yes No
 Received on Ice Yes No
 Samples Intact Yes No N/A
 Temperature °C of Cooler (3.8) (3.5) (4.2) (3.9)

Sampler Name: Ian John Howleson		Client Project # 12313.2		Refrg #	# / Cont.	Volume	Preserv.	Matrix	# of Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, F, NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Additional Analyses / Remarks
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763														
Project Location: Waukegan, IL		Date Required Hard Copy: / /														
Lab PM: Bonnie Stadelmann		Fax: / /														
Laboratory ID	MS-MSD	Client Sample ID	Sampling Time	Date	Matrix	# of Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, F, NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate				
1		MW-01	8/21/2014	9:10	W	9	X	X	X	X	X	X				
2		MW-02	8/21/2014	12:05	W	9	X	X	X	X	X	X				
3		MW-03	8/21/2014	13:08	W	9	X	X	X	X	X	X				
4		MW-04	8/21/2014	14:08	W	9	X	X	X	X	X	X				
5		MW-05	8/21/2014	18:15	W	9	X	X	X	X	X	X				
6		MW-06	8/21/2014	17:20	W	9	X	X	X	X	X	X				
7		MW-07	8/21/2014	18:10	W	9	X	X	X	X	X	X				
8		DUPLICATE	8/21/2014	.....	W	9	X	X	X	X	X	X				
9		Trip Blank	.....	.....	W	2										

Within Hold Time Yes No
 Preserv. Indicated Yes No N/A
 pH Check OK Yes No
 Res CL2 Check OK Yes No N/A
 Sample Labels and COC Agree Yes No
 COC not present

RELINQUISHED BY: *[Signature]* COMPANY: KPRG DATE: 8-22-14 TIME: 08:10pm RECEIVED BY: *[Signature]* COMPANY: TestAmerica DATE: 8/22/14 TIME: 2010
 RELINQUISHED BY: *[Signature]* COMPANY: KPRG DATE: 8/23/14 TIME: 0630 RECEIVED BY: *[Signature]* COMPANY: TA

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. H2SO4, Cool to 4°
 3. HNO3, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. Cool to 4°
 7. None

COMMENTS:

Date Received 8/23/14
 Courier:
 Hand Delivered
 Bill of Lading: _____ of _____

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TestAmerica Chicago

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

Chain of Custody Record



TestAmerica

THE QUALITY SOLUTIONS PROVIDER

Client Information (Sub Contract Lab)		Sampler	Lab PM	Camera Tracking (Notes)	ROC No:		
Client Contact		Phone	Stadelmann, Bonnie M		500-53224-1		
Shipping/Receiving			E-Mail		Page		
Company			bonnie.stadelmann@testamericanc.com		Page 1 of 1		
TestAmerica Laboratories, Inc		Analysis Requested			Job #		
Address		<p>500-82876 Chain of Custody</p>			500-82876-1		
880 Riverside Parkway,					Due Date Requested: 9/8/2014 TAT Requested (days):	Preservation Codes: A - HCl M - Hexane B - NaOH N - None C - Zn Acetate D - AsNaO2 D - Nitric Acid P - Na2O4S E - Nitric Acid Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dioducalyzolate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)	
City							Total Number of Containers
West Sacramento							
State, Zip							
CA, 95605							
Phone							
916-373-5600(Tel) 916-372-1059(Fax)		PO #	Project #	SSOW#	Other:		
Email		WO #	50004763				
Project Name		Waukegan Station Ash Ponds					
Size		Ian John Howieson					
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=volatile)	Preservation Code:	Special Instructions/Note:
MW-01 (500-82876-1)	8/21/14	09:10	Central		Water	X	
MW-02 (500-82876-2)	8/21/14	12:05	Central		Water	X	
MW-03 (500-82876-3)	8/21/14	13:08	Central		Water	X	
MW-04 (500-82876-4)	8/21/14	14:08	Central		Water	X	
MW-05 (500-82876-5)	8/21/14	18:15	Central		Water	X	
MW-06 (500-82876-6)	8/21/14	17:20	Central		Water	X	
MW-07 (500-82876-7)	8/21/14	16:10	Central		Water	X	
DUPLICATE (500-82876-8)	8/21/14		Central		Water	X	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Unconfirmed		<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:					
Empty Kit Relinquished by	Date:	Time:	Method of Shipment:				
Relinquished by <i>[Signature]</i>	Date/Time: 08/25/14 1600	Company: TAC	Received by: <i>[Signature]</i>	Date/Time: 8/20/14 905	Company: <i>[Signature]</i>		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company		
Relinquished by	Date/Time	Company	Received by	Date/Time	Company		
Custody Seals Intact A Yes A No	Custody Seal No: 322829, 322828		Cooler Temperature(s) °C and Other Remarks: 1.8°C				

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MW613-15_43792
9/9/2014

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-82876-1

Login Number: 82876

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

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.	N/A	
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	3.8,3.5,3.9,4.2
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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").	True	
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: 500-82876-1

Login Number: 82876

List Source: TestAmerica Sacramento

List Number: 2

List Creation: 08/26/14 11:32 AM

Creator: Edwards, Stephanie N

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.	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.	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: 500-82876-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

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
AZLA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-13 *
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-15
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-15
Illinois	NELAP	5	200060	03-17-15
Kansas	NELAP	7	E-10375	10-31-14
Michigan	State Program	5	9947	01-31-15
Nebraska	State Program	7	NE-OS-22-13	01-29-15
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
Oregon	NELAP	10	CA200005	01-29-15
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148388-0	12-31-14
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-15
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-14
Wyoming	State Program	8	8TMS-Q	01-29-15

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* Certification renewal pending - certification considered valid.

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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: 500-82876-2
Client Project/Site: Waukegan Station Ash Ponds

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

Attn: Richard Gnat

Bonnie Stadelmann

Authorized for release by:
9/9/2014 3:37:13 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

LINKS

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Expert**

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Case Narrative

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

TestAmerica Job ID: 500-82876-2

Job ID: 500-82876-2

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Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-82876-2

Comments

No additional comments.

Receipt

The samples were received on 8/23/2014 6:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5° C, 3.8° C, 3.9° C and 4.2° C.

GC/MS VOA

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

Metals

No analytical or quality issues were noted, other than those described 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

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

Detection Summary

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

TestAmerica Job ID: 500-82876-2

Client Sample ID: MW-08

Lab Sample ID: 500-82876-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0057		0.0010		mg/L	1		6020A	Dissolved
Barium	0.14		0.0025		mg/L	1		6020A	Dissolved
Boron	24		5.0		mg/L	100		6020A	Dissolved
Iron	7.0		0.10		mg/L	1		6020A	Dissolved
Manganese	0.33		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0083		0.0025		mg/L	1		6020A	Dissolved
Sulfate	370		100		mg/L	20		9038	Dissolved
Chloride	56		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.29		0.10		mg/L	1		SM 4500 F C	Dissolved

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Client Sample ID: MW-09

Lab Sample ID: 500-82876-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.014		0.0025		mg/L	1		6020A	Dissolved
Boron	6.3		0.50		mg/L	10		6020A	Dissolved
Iron	0.12		0.10		mg/L	1		6020A	Dissolved
Manganese	0.050		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0024		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.011		0.0025		mg/L	1		6020A	Dissolved
Sulfate	230		50		mg/L	10		9038	Dissolved
Chloride	380		50		mg/L	25		9251	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.13		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: 500-82876-2

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

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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TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-82876-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-82876-10	MW-08	Water	08/22/14 09:20	08/23/14 06:30
500-82876-11	MW-09	Water	08/22/14 10:30	08/23/14 06:30

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Client Sample Results

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

TestAmerica Job ID: 500-82876-2

Client Sample ID: MW-08

Lab Sample ID: 500-82876-10

Date Collected: 08/22/14 09:20

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 16:28	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 16:28	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 16:28	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 16:28	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 125		08/25/14 16:28	1
Toluene-d8 (Surr)	96		75 - 120		08/25/14 16:28	1
4-Bromofluorobenzene (Surr)	97		75 - 120		08/25/14 16:28	1
Dibromofluoromethane	95		75 - 120		08/25/14 16:28	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 22:05	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		08/25/14 11:40	08/25/14 12:43	1
Arsenic	0.0057		0.0010		mg/L		08/25/14 11:40	08/25/14 12:43	1
Barium	0.14		0.0025		mg/L		08/25/14 11:40	08/25/14 12:43	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:43	1
Boron	24		5.0		mg/L		08/25/14 11:40	08/26/14 15:46	100
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:43	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:43	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:43	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:43	1
Iron	7.0		0.10		mg/L		08/25/14 11:40	08/25/14 12:43	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:43	1
Manganese	0.33		0.0025		mg/L		08/25/14 11:40	08/25/14 12:43	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:43	1
Selenium	0.0083		0.0025		mg/L		08/25/14 11:40	08/25/14 12:43	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:43	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:43	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:43	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:13	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:37	1
Sulfate	370		100		mg/L			09/09/14 05:16	20
Chloride	56		2.0		mg/L			08/23/14 19:27	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1200		10		mg/L			08/26/14 04:43	1
Fluoride	0.29		0.10		mg/L			08/30/14 20:15	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:06	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 16:33	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-2

Client Sample ID: MW-09

Lab Sample ID: 500-82876-11

Date Collected: 08/22/14 10:30

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 16:53	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 16:53	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 16:53	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 125					08/25/14 16:53	1
Toluene-d8 (Surr)	97		75 - 120					08/25/14 16:53	1
4-Bromofluorobenzene (Surr)	97		75 - 120					08/25/14 16:53	1
Dibromofluoromethane	95		75 - 120					08/25/14 16:53	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 22:52	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		08/25/14 11:40	08/25/14 12:46	1
Arsenic	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:46	1
Barium	0.014		0.0025		mg/L		08/25/14 11:40	08/25/14 12:46	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:46	1
Boron	6.3		0.50		mg/L		08/25/14 11:40	08/26/14 15:50	10
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:46	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:46	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:46	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:46	1
Iron	0.12		0.10		mg/L		08/25/14 11:40	08/25/14 12:46	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:46	1
Manganese	0.050		0.0025		mg/L		08/25/14 11:40	08/25/14 12:46	1
Nickel	0.0024		0.0020		mg/L		08/25/14 11:40	08/25/14 12:46	1
Selenium	0.011		0.0025		mg/L		08/25/14 11:40	08/25/14 12:46	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:46	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:46	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:46	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:46	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:21	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:38	1
Sulfate	230		50		mg/L			09/09/14 05:17	10
Chloride	380		50		mg/L			08/23/14 20:16	25
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1300		10		mg/L			08/26/14 04:46	1
Fluoride	0.13		0.10		mg/L			08/30/14 20:18	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:06	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:16	1

TestAmerica Chicago

Definitions/Glossary

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

TestAmerica Job ID: 500-82876-2

Qualifiers

General Chemistry

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-2

GC/MS VOA

Analysis Batch: 251395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Total/NA	Water	8260B	
500-82876-11	MW-09	Total/NA	Water	8260B	
LCS 500-251395/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251395/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 51867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Total/NA	Water	314.0	
500-82876-11	MW-09	Total/NA	Water	314.0	
LCS 320-51867/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-51867/6	Method Blank	Total/NA	Water	314.0	
MRL 320-51867/5	Lab Control Sample	Total/NA	Water	314.0	

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Metals

Prep Batch: 251456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	Soluble Metals	
500-82876-11	MW-09	Dissolved	Water	Soluble Metals	
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-251456/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 251478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	6020A	251456
500-82876-11	MW-09	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	6020A	251456
500-82876-11	MW-09	Dissolved	Water	6020A	251456

Prep Batch: 252739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	7470A	
500-82876-11	MW-09	Dissolved	Water	7470A	
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-2

Metals (Continued)

Analysis Batch: 252986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	7470A	252739
500-82876-11	MW-09	Dissolved	Water	7470A	252739
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	252739
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	252739

General Chemistry

Analysis Batch: 251294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-82876-11	MW-09	Dissolved	Water	SM 4500 NO2 B	
LCS 500-251294/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-251294/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

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Analysis Batch: 251311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	9251	
500-82876-11	MW-09	Dissolved	Water	9251	
500-82876-11 MS	MW-09	Dissolved	Water	9251	
500-82876-11 MSD	MW-09	Dissolved	Water	9251	
LCS 500-251311/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-251311/4	Method Blank	Total/NA	Water	9251	

Analysis Batch: 251592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	SM 2540C	
500-82876-11	MW-09	Dissolved	Water	SM 2540C	
LCS 500-251592/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-251592/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 252088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-11	MW-09	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252088/15	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252088/14	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252133/4	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252133/3	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 252226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	Nitrate by calc	
500-82876-11	MW-09	Dissolved	Water	Nitrate by calc	

Analysis Batch: 252442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	SM 4500 F C	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-2

General Chemistry (Continued)

Analysis Batch: 252442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-11	MW-09	Dissolved	Water	SM 4500 F C	
LCS 500-252442/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-252442/3	Method Blank	Total/NA	Water	SM 4500 F C	

Prep Batch: 252743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	9010B	
500-82876-11	MW-09	Dissolved	Water	9010B	
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-252743/1-A	Method Blank	Total/NA	Water	9010B	

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Analysis Batch: 252822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	9014	252743
500-82876-11	MW-09	Dissolved	Water	9014	252743
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9014	252743
MB 500-252743/1-A	Method Blank	Total/NA	Water	9014	252743

Analysis Batch: 253498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-10	MW-08	Dissolved	Water	9038	
500-82876-11	MW-09	Dissolved	Water	9038	
LCS 500-253498/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253498/3	Method Blank	Total/NA	Water	9038	

TestAmerica Chicago

Surrogate Summary

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

TestAmerica Job ID: 500-82876-2

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 (75-125)	TOL (75-120)	BFB (75-120)	DBFM (75-120)
500-82876-10	MW-08	104	96	97	95
500-82876-11	MW-09	104	97	97	95
LCS 500-251395/4	Lab Control Sample	115	100	101	99
MB 500-251395/6	Method Blank	117	99	100	98

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: 500-82876-2

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

Lab Sample ID: MB 500-251395/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 10:47	1
Surrogate	MB MB		Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	117		75 - 125				08/25/14 10:47	1	
Toluene-d8 (Surr)	99		75 - 120				08/25/14 10:47	1	
4-Bromofluorobenzene (Surr)	100		75 - 120				08/25/14 10:47	1	
Dibromofluoromethane	98		75 - 120				08/25/14 10:47	1	

Lab Sample ID: LCS 500-251395/4						Client Sample ID: Lab Control Sample			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 251395									
Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits		
		Result	Qualifier						
Benzene	0.0500	0.0495		mg/L		99	75 - 120		
Toluene	0.0500	0.0501		mg/L		100	75 - 120		
Ethylbenzene	0.0500	0.0478		mg/L		96	75 - 120		
Xylenes, Total	0.100	0.0979		mg/L		98	75 - 120		
Surrogate	LCS LCS		Limits			%Rec	%Rec. Limits		
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	115		75 - 125						
Toluene-d8 (Surr)	100		75 - 120						
4-Bromofluorobenzene (Surr)	101		75 - 120						
Dibromofluoromethane	99		75 - 120						

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-51867/6						Client Sample ID: Method Blank			
Matrix: Water						Prep Type: Total/NA			
Analysis Batch: 51867									
Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 16:42	1
Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits		
		Result	Qualifier						
Perchlorate	0.0500	0.0513		mg/L		103	85 - 115		

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-2

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-51867/5
Matrix: Water
Analysis Batch: 51867

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		96	75 - 125

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-251456/1-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 251456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/25/14 11:40	08/25/14 11:48	1
Arsenic	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Barium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:48	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Manganese	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:48	1

Lab Sample ID: MB 500-251456/1-A
Matrix: Water
Analysis Batch: 251696

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 251456

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		08/25/14 11:40	08/26/14 11:52	1

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.459		mg/L		92	80 - 120
Arsenic	0.100	0.0943		mg/L		94	80 - 120
Barium	0.500	0.498		mg/L		100	80 - 120
Beryllium	0.0500	0.0488		mg/L		98	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Copper	0.250	0.260		mg/L		104	80 - 120
Iron	1.00	1.14		mg/L		114	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-2

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

Lab Sample ID: LCS 500-251456/2-A Matrix: Water Analysis Batch: 251478			Client Sample ID: Lab Control Sample Prep Type: Soluble Prep Batch: 251456						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	0.100	0.102		mg/L		102	80 - 120		
Manganese	0.500	0.510		mg/L		102	80 - 120		
Nickel	0.500	0.508		mg/L		102	80 - 120		
Selenium	0.100	0.0934		mg/L		93	80 - 120		
Silver	0.0500	0.0503		mg/L		101	80 - 120		
Thallium	0.100	0.110		mg/L		110	80 - 120		
Vanadium	0.500	0.481		mg/L		96	80 - 120		
Zinc	0.500	0.504		mg/L		101	80 - 120		

Lab Sample ID: LCS 500-251456/2-A Matrix: Water Analysis Batch: 251696			Client Sample ID: Lab Control Sample Prep Type: Soluble Prep Batch: 251456						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Boron	1.00	1.02		mg/L		102	80 - 120		

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-252739/12-A Matrix: Water Analysis Batch: 252986			Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 252739						
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:44	1

Lab Sample ID: LCS 500-252739/13-A Matrix: Water Analysis Batch: 252986			Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 252739						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.00200	0.00221		mg/L		111	80 - 120		

Method: 9014 - Cyanide

Lab Sample ID: MB 500-252743/1-A Matrix: Water Analysis Batch: 252822			Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 252743						
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:35	1

Lab Sample ID: LCS 500-252743/2-A Matrix: Water Analysis Batch: 252822			Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 252743						
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	0.100	0.0968		mg/L		97	80 - 120		

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-2

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-253498/3
 Matrix: Water
 Analysis Batch: 253498

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			09/09/14 05:14	1

Lab Sample ID: LCS 500-253498/4
 Matrix: Water
 Analysis Batch: 253498

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

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

Method: 9251 - Chloride

Lab Sample ID: MB 500-251311/4
 Matrix: Water
 Analysis Batch: 251311

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			08/23/14 19:11	1

Lab Sample ID: LCS 500-251311/5
 Matrix: Water
 Analysis Batch: 251311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.9		mg/L		102	80 - 120

Lab Sample ID: 500-82876-11 MS
 Matrix: Water
 Analysis Batch: 251311

Client Sample ID: MW-09
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	380		50.0	413	4	mg/L		58	75 - 125

Lab Sample ID: 500-82876-11 MSD
 Matrix: Water
 Analysis Batch: 251311

Client Sample ID: MW-09
 Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	380		50.0	430	4	mg/L		94	75 - 125	4	20

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

Lab Sample ID: MB 500-251592/1
 Matrix: Water
 Analysis Batch: 251592

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			08/26/14 04:02	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-2

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

Lab Sample ID: LCS 500-251592/2				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 251592								
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 F C - Fluoride

Lab Sample ID: MB 500-252442/3				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 252442									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			08/30/14 19:24	1

Lab Sample ID: LCS 500-252442/4				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 252442								
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 500-251294/3				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 251294									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:00	1

Lab Sample ID: LCS 500-251294/4				Client Sample ID: Lab Control Sample				
Matrix: Water				Prep Type: Total/NA				
Analysis Batch: 251294								
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Nitrogen, Nitrite	0.100	0.102		mg/L		102	80 - 120	

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-252088/14				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Total/NA					
Analysis Batch: 252088									
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 12:01	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-2

Method: SM 4500 NO3 F - Nitrogen, Nitrate (Continued)

Lab Sample ID: LCS 500-252088/15
 Matrix: Water
 Analysis Batch: 252088

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	1.01		mg/L		101	80 - 120

Lab Sample ID: MB 500-252133/3
 Matrix: Water
 Analysis Batch: 252133

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			08/28/14 16:16	1

Lab Sample ID: LCS 500-252133/4
 Matrix: Water
 Analysis Batch: 252133

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	0.936		mg/L		94	80 - 120



TestAmerica Chicago

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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. Lilsbon Rd. Suite 2B
Brookfield, WI
Phone: 262-781-0475
Fax:
Email:

Bill To:

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

Lab Lot # 500-82876
Package Sealed
Yes No
Samples Sealed
Yes No
Received on Ice
Yes No
Samples Intact
Yes No N/A
Temperature °C of Cooler

Sampler Name: Ian John Howieson		Client Project # 12313.2		Refrg #												Within Hold Time Yes No	Preserv. Indicated Yes No N/A
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		Volume												pH Check OK Yes No	Res CL ₂ Check OK Yes No N/A
Project Location: Waukegan, IL		Date Required Hard Copy: / /		Matrix	# of Containers	18 Metals + Hg, dissolved	Cl, TDS, SO ₄ , F, NO ₂ , dissolved	NO ₃ +NO ₂ , dissolved	Cyanide, dissolved	BTEX	Perchlorate	Sample Labels and COC Agree Yes No COC not present					
Lab PM: Bonnie Stadelmann		Fax: / /										Additional Analyses / Remarks					
Laboratory ID	MS-MSD	Client Sample ID	Sampling Time	Date													
10		MW-08	8/22/2014	9:20	W	9	X	X	X	X	X	X					
4		MW-09	8/22/2014	10:30	W	9	X	X	X	X	X	X					

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RELINQUISHED BY: *[Signature]* COMPANY: KPRG DATE: 8-22-14 TIME: 08:10 pm RECEIVED BY: *[Signature]* COMPANY: TestAmerica DATE: 8/22/14 TIME: 2010
RELINQUISHED BY: *[Signature]* COMPANY: JA DATE: 8/23/14 TIME: 0630

- | | | |
|---|---|--|
| 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 8/22/14
Courier:
Hand Delivered
Bill of Lading: _____ of _____

STL-8208 (0600)

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-82876-2

Login Number: 82876

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

Question	Answer	Comment
Radioactivity wasn't checked or is \neq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
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	3.8,3.5,3.9,4.2
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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 <6mm (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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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-82876-2

Login Number: 82876

List Source: TestAmerica Sacramento

List Number: 2

List Creation: 08/26/14 11:32 AM

Creator: Edwards, Stephanie N

Question	Answer	Comment
Radioactivity wasn't checked or is <= 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.	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.	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 <6mm (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: 500-82876-2

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

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	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-13 *
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-15
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-15
Illinois	NELAP	5	200060	03-17-15
Kansas	NELAP	7	E-10375	10-31-14
Michigan	State Program	5	9947	01-31-15
Nebraska	State Program	7	NE-OS-22-13	01-29-15
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
Oregon	NELAP	10	CA200005	01-29-15
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148388-0	12-31-14
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-15
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-14
Wyoming	State Program	8	8TMS-Q	01-29-15

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* Certification renewal pending - certification considered valid.

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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: 500-82876-3
Client Project/Site: Waukegan Station Ash Ponds

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

Attn: Richard Gnat

Bonnie Stadelmann

Authorized for release by:
9/9/2014 3:38:26 PM

Bonnie Stadelmann, Senior Project Manager
(708)534-5200
bonnie.stadelmann@testamericainc.com

..... LINKS

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results through
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The
Expert**

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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

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Case Narrative

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

TestAmerica Job ID: 500-82876-3

Job ID: 500-82876-3

3

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-82876-3

Comments

No additional comments.

Receipt

The samples were received on 8/23/2014 6:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.5° C, 3.8° C, 3.9° C and 4.2° C.

GC/MS VOA

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

Metals

No analytical or quality issues were noted, other than those described 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

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

Detection Summary

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

TestAmerica Job ID: 500-82876-3

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Client Sample ID: ELUC MW-10

Lab Sample ID: 500-82876-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.75		0.0010		mg/L	1		6020A	Dissolved
Barium	0.072		0.0025		mg/L	1		6020A	Dissolved
Boron	0.77		0.050		mg/L	1		6020A	Dissolved
Iron	7.3		0.10		mg/L	1		6020A	Dissolved
Manganese	0.19		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0021		0.0020		mg/L	1		6020A	Dissolved
Sulfate	170		50		mg/L	10		9038	Dissolved
Chloride	61		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	770		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: 500-82876-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.3		0.0010		mg/L	1		6020A	Dissolved
Barium	0.039		0.0025		mg/L	1		6020A	Dissolved
Boron	5.1		0.50		mg/L	10		6020A	Dissolved
Iron	2.0		0.10		mg/L	1		6020A	Dissolved
Manganese	0.23		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0089		0.0025		mg/L	1		6020A	Dissolved
Sulfate	210		50		mg/L	10		9038	Dissolved
Chloride	290		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.14		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: ELUC MW-12

Lab Sample ID: 500-82876-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Dissolved
Barium	0.10		0.0025		mg/L	1		6020A	Dissolved
Boron	1.9		0.25		mg/L	5		6020A	Dissolved
Cadmium	0.0026		0.00050		mg/L	1		6020A	Dissolved
Cobalt	0.0033		0.0010		mg/L	1		6020A	Dissolved
Iron	2.2		0.10		mg/L	1		6020A	Dissolved
Manganese	0.11		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.016		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.0059		0.0025		mg/L	1		6020A	Dissolved
Zinc	0.14		0.020		mg/L	1		6020A	Dissolved
Sulfate	200		50		mg/L	10		9038	Dissolved
Chloride	410		50		mg/L	25		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.10		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: ELUC MW-14

Lab Sample ID: 500-82876-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.13		0.0010		mg/L	1		6020A	Dissolved
Barium	0.049		0.0025		mg/L	1		6020A	Dissolved
Boron	1.0		0.25		mg/L	5		6020A	Dissolved
Chromium	0.0060		0.0050		mg/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-82876-3

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Client Sample ID: ELUC MW-14 (Continued)

Lab Sample ID: 500-82876-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Iron	2.0		0.10		mg/L			1	6020A	Dissolved
Manganese	0.18		0.0025		mg/L			1	6020A	Dissolved
Sulfate	370		100		mg/L			20	9038	Dissolved
Chloride	120		10		mg/L			5	9251	Dissolved
Total Dissolved Solids	1300		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.14		0.10		mg/L			1	SM 4500 F C	Dissolved

Client Sample ID: ELUC MW-15

Lab Sample ID: 500-82876-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.0048		0.0010		mg/L			1	6020A	Dissolved
Barium	0.087		0.0025		mg/L			1	6020A	Dissolved
Boron	3.7		0.25		mg/L			5	6020A	Dissolved
Cobalt	0.0011		0.0010		mg/L			1	6020A	Dissolved
Iron	11		0.10		mg/L			1	6020A	Dissolved
Manganese	0.39		0.0025		mg/L			1	6020A	Dissolved
Cyanide, Total	0.17		0.010		mg/L			1	9014	Dissolved
Sulfate	250		100		mg/L			20	9038	Dissolved
Chloride	57		2.0		mg/L			1	9251	Dissolved
Total Dissolved Solids	950		10		mg/L			1	SM 2540C	Dissolved
Fluoride	0.28		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: 500-82876-3

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

TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-82876-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-82876-12	ELUC MW-10	Water	08/22/14 15:10	08/23/14 06:30
500-82876-13	ELUC MW-11	Water	08/22/14 17:25	08/23/14 06:30
500-82876-14	ELUC MW-12	Water	08/22/14 13:45	08/23/14 06:30
500-82876-15	ELUC MW-14	Water	08/22/14 16:40	08/23/14 06:30
500-82876-16	ELUC MW-15	Water	08/22/14 12:25	08/23/14 06:30

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TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-3

Client Sample ID: ELUC MW-10

Lab Sample ID: 500-82876-12

Date Collected: 08/22/14 15:10

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 17:18	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 17:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 17:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		75 - 125					08/25/14 17:18	1
Toluene-d8 (Surr)	101		75 - 120					08/25/14 17:18	1
4-Bromofluorobenzene (Surr)	94		75 - 120					08/25/14 17:18	1
Dibromofluoromethane	97		75 - 120					08/25/14 17:18	1

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Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 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		08/25/14 11:40	08/25/14 12:50	1
Arsenic	0.75		0.0010		mg/L		08/25/14 11:40	08/25/14 12:50	1
Barium	0.072		0.0025		mg/L		08/25/14 11:40	08/25/14 12:50	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:50	1
Boron	0.77		0.050		mg/L		08/25/14 11:40	08/26/14 16:06	1
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:50	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:50	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:50	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:50	1
Iron	7.3		0.10		mg/L		08/25/14 11:40	08/25/14 12:50	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:50	1
Manganese	0.19		0.0025		mg/L		08/25/14 11:40	08/25/14 12:50	1
Nickel	0.0021		0.0020		mg/L		08/25/14 11:40	08/25/14 12:50	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 12:50	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:50	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:50	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:50	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:50	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:23	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:38	1
Sulfate	170		50		mg/L			09/09/14 05:18	10
Chloride	61		2.0		mg/L			08/23/14 19:30	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	770		10		mg/L			08/26/14 04:48	1
Fluoride	0.19		0.10		mg/L			08/30/14 20:20	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:06	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:17	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-3

Client Sample ID: ELUC MW-11

Lab Sample ID: 500-82876-13

Date Collected: 08/22/14 17:25

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 17:43	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 17:43	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 17:43	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 125		08/25/14 17:43	1
Toluene-d8 (Surr)	97		75 - 120		08/25/14 17:43	1
4-Bromofluorobenzene (Surr)	96		75 - 120		08/25/14 17:43	1
Dibromofluoromethane	93		75 - 120		08/25/14 17:43	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 23:22	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		08/25/14 11:40	08/25/14 12:53	1
Arsenic	1.3		0.0010		mg/L		08/25/14 11:40	08/25/14 12:53	1
Barium	0.039		0.0025		mg/L		08/25/14 11:40	08/25/14 12:53	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:53	1
Boron	5.1		0.50		mg/L		08/25/14 11:40	08/26/14 16:10	10
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:53	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:53	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:53	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:53	1
Iron	2.0		0.10		mg/L		08/25/14 11:40	08/25/14 12:53	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:53	1
Manganese	0.23		0.0025		mg/L		08/25/14 11:40	08/25/14 12:53	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:53	1
Selenium	0.0089		0.0025		mg/L		08/25/14 11:40	08/25/14 12:53	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:53	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:53	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:53	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 12:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:38	1
Sulfate	210		50		mg/L			09/09/14 05:19	10
Chloride	290		10		mg/L			08/23/14 20:01	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1100		10		mg/L			08/26/14 04:51	1
Fluoride	0.14		0.10		mg/L			08/30/14 20:32	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:07	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:20	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-3

Client Sample ID: ELUC MW-12

Lab Sample ID: 500-82876-14

Date Collected: 08/22/14 13:45

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 18:08	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 18:08	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 18:08	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 18:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 125					08/25/14 18:08	1
Toluene-d8 (Surr)	98		75 - 120					08/25/14 18:08	1
4-Bromofluorobenzene (Surr)	97		75 - 120					08/25/14 18:08	1
Dibromofluoromethane	94		75 - 120					08/25/14 18:08	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 23:38	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		08/25/14 11:40	08/25/14 12:57	1
Arsenic	0.0011		0.0010		mg/L		08/25/14 11:40	08/25/14 12:57	1
Barium	0.10		0.0025		mg/L		08/25/14 11:40	08/25/14 12:57	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 12:57	1
Boron	1.9		0.25		mg/L		08/25/14 11:40	08/26/14 16:14	5
Cadmium	0.0026		0.00050		mg/L		08/25/14 11:40	08/25/14 12:57	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:57	1
Cobalt	0.0033		0.0010		mg/L		08/25/14 11:40	08/25/14 12:57	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:57	1
Iron	2.2		0.10		mg/L		08/25/14 11:40	08/25/14 12:57	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:57	1
Manganese	0.11		0.0025		mg/L		08/25/14 11:40	08/25/14 12:57	1
Nickel	0.016		0.0020		mg/L		08/25/14 11:40	08/25/14 12:57	1
Selenium	0.0059		0.0025		mg/L		08/25/14 11:40	08/25/14 12:57	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 12:57	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 12:57	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 12:57	1
Zinc	0.14		0.020		mg/L		08/25/14 11:40	08/25/14 12:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:27	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:39	1
Sulfate	200		50		mg/L			09/09/14 05:20	10
Chloride	410		50		mg/L			08/23/14 20:18	25
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1100		10		mg/L			08/26/14 04:54	1
Fluoride	0.10		0.10		mg/L			08/30/14 20:34	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:07	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:21	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-82876-3

Client Sample ID: ELUC MW-14

Lab Sample ID: 500-82876-15

Date Collected: 08/22/14 16:40

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 18:33	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 18:33	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 18:33	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 125		08/25/14 18:33	1
Toluene-d8 (Surr)	94		75 - 120		08/25/14 18:33	1
4-Bromofluorobenzene (Surr)	95		75 - 120		08/25/14 18:33	1
Dibromofluoromethane	96		75 - 120		08/25/14 18:33	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 23:53	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		08/25/14 11:40	08/25/14 13:07	1
Arsenic	0.13		0.0010		mg/L		08/25/14 11:40	08/25/14 13:07	1
Barium	0.049		0.0025		mg/L		08/25/14 11:40	08/25/14 13:07	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 13:07	1
Boron	1.0		0.25		mg/L		08/25/14 11:40	08/26/14 16:18	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:07	1
Chromium	0.0060		0.0050		mg/L		08/25/14 11:40	08/25/14 13:07	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 13:07	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:07	1
Iron	2.0		0.10		mg/L		08/25/14 11:40	08/25/14 13:07	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:07	1
Manganese	0.18		0.0025		mg/L		08/25/14 11:40	08/25/14 13:07	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:07	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 13:07	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:07	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:07	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 13:07	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 13:07	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:29	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:39	1
Sulfate	370		100		mg/L			09/09/14 05:21	20
Chloride	120		10		mg/L			08/23/14 20:02	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	1300		10		mg/L			08/26/14 04:56	1
Fluoride	0.14		0.10		mg/L			08/30/14 20:37	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:08	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:22	1

TestAmerica Chicago

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Client Sample Results

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

TestAmerica Job ID: 500-82876-3

Client Sample ID: ELUC MW-15

Lab Sample ID: 500-82876-16

Date Collected: 08/22/14 12:25

Matrix: Water

Date Received: 08/23/14 06:30

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			08/25/14 18:58	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 18:58	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 18:58	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		75 - 125					08/25/14 18:58	1
Toluene-d8 (Surr)	96		75 - 120					08/25/14 18:58	1
4-Bromofluorobenzene (Surr)	95		75 - 120					08/25/14 18:58	1
Dibromofluoromethane	92		75 - 120					08/25/14 18:58	1

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Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			09/09/14 00:09	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		08/25/14 11:40	08/25/14 13:10	1
Arsenic	0.0048		0.0010		mg/L		08/25/14 11:40	08/25/14 13:10	1
Barium	0.087		0.0025		mg/L		08/25/14 11:40	08/25/14 13:10	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 13:10	1
Boron	3.7		0.25		mg/L		08/25/14 11:40	08/26/14 16:22	5
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:10	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 13:10	1
Cobalt	0.0011		0.0010		mg/L		08/25/14 11:40	08/25/14 13:10	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:10	1
Iron	11		0.10		mg/L		08/25/14 11:40	08/25/14 13:10	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:10	1
Manganese	0.39		0.0025		mg/L		08/25/14 11:40	08/25/14 13:10	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:10	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 13:10	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 13:10	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 13:10	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 13:10	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 13:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 13:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.17		0.010		mg/L		09/04/14 11:30	09/04/14 17:48	1
Sulfate	250		100		mg/L			09/09/14 05:22	20
Chloride	57		2.0		mg/L			08/23/14 19:32	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			08/29/14 08:53	1
Total Dissolved Solids	950		10		mg/L			08/26/14 04:59	1
Fluoride	0.28		0.10		mg/L			08/30/14 20:40	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			08/22/14 21:08	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			08/28/14 13:22	1

TestAmerica Chicago

Definitions/Glossary

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

TestAmerica Job ID: 500-82876-3

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
π	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: 500-82876-3

GC/MS VOA

Analysis Batch: 251395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Total/NA	Water	8260B	
500-82876-13	ELUC MW-11	Total/NA	Water	8260B	
500-82876-14	ELUC MW-12	Total/NA	Water	8260B	
500-82876-15	ELUC MW-14	Total/NA	Water	8260B	
500-82876-16	ELUC MW-15	Total/NA	Water	8260B	
LCS 500-251395/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-251395/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 51867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Total/NA	Water	314.0	
500-82876-13	ELUC MW-11	Total/NA	Water	314.0	
500-82876-14	ELUC MW-12	Total/NA	Water	314.0	
500-82876-15	ELUC MW-14	Total/NA	Water	314.0	
500-82876-16	ELUC MW-15	Total/NA	Water	314.0	
LCS 320-51867/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-51867/6	Method Blank	Total/NA	Water	314.0	
MRL 320-51867/5	Lab Control Sample	Total/NA	Water	314.0	

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Metals

Prep Batch: 251456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	Soluble Metals	
500-82876-13	ELUC MW-11	Dissolved	Water	Soluble Metals	
500-82876-14	ELUC MW-12	Dissolved	Water	Soluble Metals	
500-82876-15	ELUC MW-14	Dissolved	Water	Soluble Metals	
500-82876-16	ELUC MW-15	Dissolved	Water	Soluble Metals	
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-251456/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 251478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	6020A	251456
500-82876-13	ELUC MW-11	Dissolved	Water	6020A	251456
500-82876-14	ELUC MW-12	Dissolved	Water	6020A	251456
500-82876-15	ELUC MW-14	Dissolved	Water	6020A	251456
500-82876-16	ELUC MW-15	Dissolved	Water	6020A	251456
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

Analysis Batch: 251696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-251456/2-A	Lab Control Sample	Soluble	Water	6020A	251456
MB 500-251456/1-A	Method Blank	Soluble	Water	6020A	251456

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-3

Metals (Continued)

Analysis Batch: 251823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	6020A	251456
500-82876-13	ELUC MW-11	Dissolved	Water	6020A	251456
500-82876-14	ELUC MW-12	Dissolved	Water	6020A	251456
500-82876-15	ELUC MW-14	Dissolved	Water	6020A	251456
500-82876-16	ELUC MW-15	Dissolved	Water	6020A	251456

Prep Batch: 252739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	7470A	
500-82876-13	ELUC MW-11	Dissolved	Water	7470A	
500-82876-14	ELUC MW-12	Dissolved	Water	7470A	
500-82876-15	ELUC MW-14	Dissolved	Water	7470A	
500-82876-16	ELUC MW-15	Dissolved	Water	7470A	
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 252986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	7470A	252739
500-82876-13	ELUC MW-11	Dissolved	Water	7470A	252739
500-82876-14	ELUC MW-12	Dissolved	Water	7470A	252739
500-82876-15	ELUC MW-14	Dissolved	Water	7470A	252739
500-82876-16	ELUC MW-15	Dissolved	Water	7470A	252739
LCS 500-252739/13-A	Lab Control Sample	Total/NA	Water	7470A	252739
MB 500-252739/12-A	Method Blank	Total/NA	Water	7470A	252739

General Chemistry

Analysis Batch: 251294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	SM 4500 NO2 B	
500-82876-13	ELUC MW-11	Dissolved	Water	SM 4500 NO2 B	
500-82876-14	ELUC MW-12	Dissolved	Water	SM 4500 NO2 B	
500-82876-15	ELUC MW-14	Dissolved	Water	SM 4500 NO2 B	
500-82876-16	ELUC MW-15	Dissolved	Water	SM 4500 NO2 B	
LCS 500-251294/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-251294/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 251311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	9251	
500-82876-13	ELUC MW-11	Dissolved	Water	9251	
500-82876-14	ELUC MW-12	Dissolved	Water	9251	
500-82876-15	ELUC MW-14	Dissolved	Water	9251	
500-82876-16	ELUC MW-15	Dissolved	Water	9251	
LCS 500-251311/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-251311/4	Method Blank	Total/NA	Water	9251	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-82876-3

General Chemistry (Continued)

Analysis Batch: 251592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	SM 2540C	
500-82876-13	ELUC MW-11	Dissolved	Water	SM 2540C	
500-82876-14	ELUC MW-12	Dissolved	Water	SM 2540C	
500-82876-15	ELUC MW-14	Dissolved	Water	SM 2540C	
500-82876-16	ELUC MW-15	Dissolved	Water	SM 2540C	
LCS 500-251592/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-251592/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 252088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	SM 4500 NO3 F	
500-82876-13	ELUC MW-11	Dissolved	Water	SM 4500 NO3 F	
500-82876-14	ELUC MW-12	Dissolved	Water	SM 4500 NO3 F	
500-82876-15	ELUC MW-14	Dissolved	Water	SM 4500 NO3 F	
500-82876-16	ELUC MW-15	Dissolved	Water	SM 4500 NO3 F	
LCS 500-252088/15	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-252088/14	Method Blank	Total/NA	Water	SM 4500 NO3 F	

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Analysis Batch: 252226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	Nitrate by calc	
500-82876-13	ELUC MW-11	Dissolved	Water	Nitrate by calc	
500-82876-14	ELUC MW-12	Dissolved	Water	Nitrate by calc	
500-82876-15	ELUC MW-14	Dissolved	Water	Nitrate by calc	
500-82876-16	ELUC MW-15	Dissolved	Water	Nitrate by calc	

Analysis Batch: 252442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	SM 4500 F C	
500-82876-13	ELUC MW-11	Dissolved	Water	SM 4500 F C	
500-82876-14	ELUC MW-12	Dissolved	Water	SM 4500 F C	
500-82876-15	ELUC MW-14	Dissolved	Water	SM 4500 F C	
500-82876-16	ELUC MW-15	Dissolved	Water	SM 4500 F C	
LCS 500-252442/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-252442/3	Method Blank	Total/NA	Water	SM 4500 F C	

Prep Batch: 252743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	9010B	
500-82876-13	ELUC MW-11	Dissolved	Water	9010B	
500-82876-14	ELUC MW-12	Dissolved	Water	9010B	
500-82876-15	ELUC MW-14	Dissolved	Water	9010B	
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-252743/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 252822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	9014	252743
500-82876-13	ELUC MW-11	Dissolved	Water	9014	252743
500-82876-14	ELUC MW-12	Dissolved	Water	9014	252743
500-82876-15	ELUC MW-14	Dissolved	Water	9014	252743

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QC Association Summary

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

TestAmerica Job ID: 500-82876-3

General Chemistry (Continued)

Analysis Batch: 252822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-252743/2-A	Lab Control Sample	Total/NA	Water	9014	252743
MB 500-252743/1-A	Method Blank	Total/NA	Water	9014	252743

Prep Batch: 252941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-16	ELUC MW-15	Dissolved	Water	9010B	
LCS 500-252941/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-252941/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 253100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-16	ELUC MW-15	Dissolved	Water	9014	252941
LCS 500-252941/2-A	Lab Control Sample	Total/NA	Water	9014	252941
MB 500-252941/1-A	Method Blank	Total/NA	Water	9014	252941

Analysis Batch: 253498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-82876-12	ELUC MW-10	Dissolved	Water	9038	
500-82876-13	ELUC MW-11	Dissolved	Water	9038	
500-82876-14	ELUC MW-12	Dissolved	Water	9038	
500-82876-15	ELUC MW-14	Dissolved	Water	9038	
500-82876-16	ELUC MW-15	Dissolved	Water	9038	
LCS 500-253498/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-253498/3	Method Blank	Total/NA	Water	9038	

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Surrogate Summary

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

TestAmerica Job ID: 500-82876-3

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 (75-125)	TOL (75-120)	BFB (75-120)	DBFM* (75-120)
500-82876-12	ELUC MW-10	104	101	94	97
500-82876-13	ELUC MW-11	106	97	96	93
500-82876-14	ELUC MW-12	105	98	97	94
500-82876-15	ELUC MW-14	103	94	95	96
500-82876-16	ELUC MW-15	103	96	95	92
LCS 500-251395/4	Lab Control Sample	115	100	101	99
MB 500-251395/6	Method Blank	117	99	100	98

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
 TOL = Toluene-d8 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane

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QC Sample Results

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

TestAmerica Job ID: 500-82876-3

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

Lab Sample ID: MB 500-251395/6
Matrix: Water
Analysis Batch: 251395

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Toluene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			08/25/14 10:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			08/25/14 10:47	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	117		75 - 125		08/25/14 10:47	1
Toluene-d8 (Surr)	99		75 - 120		08/25/14 10:47	1
4-Bromofluorobenzene (Surr)	100		75 - 120		08/25/14 10:47	1
Dibromofluoromethane	98		75 - 120		08/25/14 10:47	1

Lab Sample ID: LCS 500-251395/4
Matrix: Water
Analysis Batch: 251395

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	0.0500	0.0501		mg/L		100	75 - 120
Ethylbenzene	0.0500	0.0478		mg/L		96	75 - 120
Xylenes, Total	0.100	0.0979		mg/L		98	75 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	115		75 - 125
Toluene-d8 (Surr)	100		75 - 120
4-Bromofluorobenzene (Surr)	101		75 - 120
Dibromofluoromethane	99		75 - 120

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-51867/6
Matrix: Water
Analysis Batch: 51867

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perchlorate	<0.0040		0.0040		mg/L			09/08/14 16:42	1

Lab Sample ID: LCS 320-51867/7
Matrix: Water
Analysis Batch: 51867

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

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-3

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-51867/5				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Total/NA			
Analysis Batch: 51867							
Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	<4.0		ug/L		96	75 - 125

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-251456/1-A				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Soluble					
Analysis Batch: 251478				Prep Batch: 251456					
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		08/25/14 11:40	08/25/14 11:48	1
Arsenic	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Barium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Beryllium	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cadmium	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Chromium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Cobalt	<0.0010		0.0010		mg/L		08/25/14 11:40	08/25/14 11:48	1
Copper	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Iron	<0.10		0.10		mg/L		08/25/14 11:40	08/25/14 11:48	1
Lead	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Manganese	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Nickel	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Selenium	<0.0025		0.0025		mg/L		08/25/14 11:40	08/25/14 11:48	1
Silver	<0.00050		0.00050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Thallium	<0.0020		0.0020		mg/L		08/25/14 11:40	08/25/14 11:48	1
Vanadium	<0.0050		0.0050		mg/L		08/25/14 11:40	08/25/14 11:48	1
Zinc	<0.020		0.020		mg/L		08/25/14 11:40	08/25/14 11:48	1

Lab Sample ID: MB 500-251456/1-A				Client Sample ID: Method Blank					
Matrix: Water				Prep Type: Soluble					
Analysis Batch: 251696				Prep Batch: 251456					
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		08/25/14 11:40	08/26/14 11:52	1

Lab Sample ID: LCS 500-251456/2-A				Client Sample ID: Lab Control Sample			
Matrix: Water				Prep Type: Soluble			
Analysis Batch: 251478				Prep Batch: 251456			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.459		mg/L		92	80 - 120
Arsenic	0.100	0.0943		mg/L		94	80 - 120
Barium	0.500	0.498		mg/L		100	80 - 120
Beryllium	0.0500	0.0488		mg/L		98	80 - 120
Cadmium	0.0500	0.0493		mg/L		99	80 - 120
Chromium	0.200	0.202		mg/L		101	80 - 120
Cobalt	0.500	0.501		mg/L		100	80 - 120
Copper	0.250	0.260		mg/L		104	80 - 120
Iron	1.00	1.14		mg/L		114	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-3

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

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251478

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.102		mg/L		102	80 - 120
Manganese	0.500	0.510		mg/L		102	80 - 120
Nickel	0.500	0.508		mg/L		102	80 - 120
Selenium	0.100	0.0934		mg/L		93	80 - 120
Silver	0.0500	0.0503		mg/L		101	80 - 120
Thallium	0.100	0.110		mg/L		110	80 - 120
Vanadium	0.500	0.481		mg/L		96	80 - 120
Zinc	0.500	0.504		mg/L		101	80 - 120

Lab Sample ID: LCS 500-251456/2-A
Matrix: Water
Analysis Batch: 251696

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 251456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.02		mg/L		102	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-252739/12-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252739

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		09/03/14 11:25	09/04/14 12:44	1

Lab Sample ID: LCS 500-252739/13-A
Matrix: Water
Analysis Batch: 252986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00221		mg/L		111	80 - 120

Method: 9014 - Cyanide

Lab Sample ID: MB 500-252743/1-A
Matrix: Water
Analysis Batch: 252822

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252743

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/03/14 12:30	09/03/14 16:35	1

Lab Sample ID: LCS 500-252743/2-A
Matrix: Water
Analysis Batch: 252822

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252743

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.0968		mg/L		97	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-3

Method: 9014 - Cyanide (Continued)

Lab Sample ID: MB 500-252941/1-A
Matrix: Water
Analysis Batch: 253100

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 252941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		09/04/14 11:30	09/04/14 17:45	1

Lab Sample ID: LCS 500-252941/2-A
Matrix: Water
Analysis Batch: 253100

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 252941

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

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-253498/3
Matrix: Water
Analysis Batch: 253498

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			09/09/14 05:14	1

Lab Sample ID: LCS 500-253498/4
Matrix: Water
Analysis Batch: 253498

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

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

Method: 9251 - Chloride

Lab Sample ID: MB 500-251311/4
Matrix: Water
Analysis Batch: 251311

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			08/23/14 19:11	1

Lab Sample ID: LCS 500-251311/5
Matrix: Water
Analysis Batch: 251311

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	50.9		mg/L		102	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-3

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

Lab Sample ID: MB 500-251592/1
Matrix: Water
Analysis Batch: 251592

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			08/26/14 04:02	1

Lab Sample ID: LCS 500-251592/2
Matrix: Water
Analysis Batch: 251592

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 F C - Fluoride

Lab Sample ID: MB 500-252442/3
Matrix: Water
Analysis Batch: 252442

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			08/30/14 19:24	1

Lab Sample ID: LCS 500-252442/4
Matrix: Water
Analysis Batch: 252442

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 500-251294/3
Matrix: Water
Analysis Batch: 251294

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			08/22/14 21:00	1

Lab Sample ID: LCS 500-251294/4
Matrix: Water
Analysis Batch: 251294

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	0.102		mg/L		102	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-82876-3

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-252088/14 Matrix: Water Analysis Batch: 252088						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			08/28/14 12:01	1

Lab Sample ID: LCS 500-252088/15 Matrix: Water Analysis Batch: 252088						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	1.01		mg/L		101	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: 14865 W. Lilsbon Rd. Suite 2B
 Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

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

Lab Lot # **500-82876**
 Package Sealed
 Yes No
 Samples Sealed
 Yes No
 Received on Ice
 Yes No
 Samples Intact
 Yes No N/A
 Temperature °C of Cooler

Sampler Name: Ian John Howieson		Client Project # 12313.2		Refrg #		Within Hold Time		Preserv. Indicated						
Project Name: Waukegan Station Ash Ponds		TestAmerica Project Number: 50004763		# / Cont.		Yes No		Yes No N/A						
Project Location: Waukegan, IL		Date Required Hard Copy: _____		Volume		pH Check OK		Res CL ₂ Check OK						
Lab PM: Bonnie Stadelmann		Fax: _____		Preserv.		Yes No		Yes No N/A						
Laboratory ID	MS-MSD	Client Sample ID	Sampling Time	Date	Matrix	# of Containers	18 Metals + Hg, dissolved	Cl, TDS, SO ₄ , F ₂ , NO ₂ , dissolved	NO ₃ +NO ₂ , dissolved	Cyanide, dissolved	BTEX	Perchlorate	Sample Labels and COC Agree	Additional Analyses / Remarks
Yes No COC not present														
12		ELUC MW-10	8/22/2014	15:10	W	9	X	X	X	X	X	X	X	
13		ELUC MW-11	8/22/2014	17:25	W	9	X	X	X	X	X	X	X	
14		ELUC MW-12	8/22/2014	13:45	W	9	X	X	X	X	X	X	X	
15		ELUC MW-14	8/22/2014	16:40	W	9	X	X	X	X	X	X	X	
16		ELUC MW-15	8/22/2014	12:25	W	9	X	X	X	X	X	X	X	

RELINQUISHED BY: *[Signature]* COMPANY: *KPRG* DATE: *8-22-14* TIME: *03:10 pm* RECEIVED BY: *[Signature]* COMPANY: *TestAmerica* DATE: *8/22/14* TIME: *2010*
 RELINQUISHED BY: *[Signature]* COMPANY: *TA* DATE: *8/23/14* TIME: *0630*

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. H₂SO₄, Cool to 4°
 3. HNO₃, Cool to 4°
 4. NaOH, Cool to 4°
 5. NaOH/Zn, Cool to 4°
 6. Cool to 4°
 7. None

COMMENTS:

Date Received 8/22/14
 Courier:
 Hand Delivered
 Bill of Lading: _____ of _____

STL-8208 (0600)

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-82876-3

Login Number: 82876

List Source: TestAmerica Chicago

List Number: 1

Creator: Lunt, Jeff T

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.	N/A	
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	3.8,3.5,3.9,4.2
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	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").	True	
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: 500-82876-3

Login Number: 82876
 List Number: 2
 Creator: Edwards, Stephanie N

List Source: TestAmerica Sacramento
 List Creation: 08/26/14 11:32 AM

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.	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.	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: 500-82876-3

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

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	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-13 *
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-15
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-15
Illinois	NELAP	5	200060	03-17-15
Kansas	NELAP	7	E-10375	10-31-14
Michigan	State Program	5	9947	01-31-15
Nebraska	State Program	7	NE-OS-22-13	01-29-15
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
Oregon	NELAP	10	CA200005	01-29-15
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148368-0	12-31-14
USDA	Federal		P330-11-00436	12-30-14
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-15
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-14
Wyoming	State Program	8	8TMS-Q	01-29-15

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* Certification renewal pending - certification considered valid.