QUARTERLY GROUNDWATER MONITORING REPORT
WILL COUNTY GENERATING STATION

June 23, 2017

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

VIA FedEx

Re: Quarterly Groundwater Monitoring Results – Second Quarter 2017
Will County Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00058; ID# 6283

Dear Ms. Rhodes:

The second quarterly groundwater sampling for 2017 has been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Will County Generating Station in accordance with the signed 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 the Will County facility consists of ten wells (MW-1 through MW-10) 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). The wells were found in good condition with locked protector casings and the concrete surface seals were intact. Well MW-10 is completed as a flush-mount at ground surface and was also in good condition.

Groundwater samples 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 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 westerly flow of groundwater. The flow conditions observed during this sampling are 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. There were no detections in the trip blank. The duplicate sample was collected from well MW-7. All duplicate values were within an acceptable range (below +/- 30%). All wells for which the sampling data reports a value above one or more groundwater standards are located within the area of the approved Groundwater Management Zone (GMZ).

If there are any questions, please contact either Sharene Shealey of Midwest Generation at 815-372-4625 or Richard Gnat of KPRG at 262-781-0475.

Sincerely,

Scott Perry

Scott Perry
Station Director

Attachments

cc: William Buscher, IEPA
Sharene Shealey, Midwest Generation
Joseph Kotas, Midwest Generation
Richard Gnat, KPRG and Associates, Inc.

FIGURES

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

14665 West Lisbon Road, Suite 2B 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

SITE MAP

WILL COUNTY STATION
ROMEOVILLE, ILLINOIS

Scale: 1" = 250'	Date: January 23, 2015
KPRG Project No. 12313.3	FIGURE 1

MWG13-15_82472

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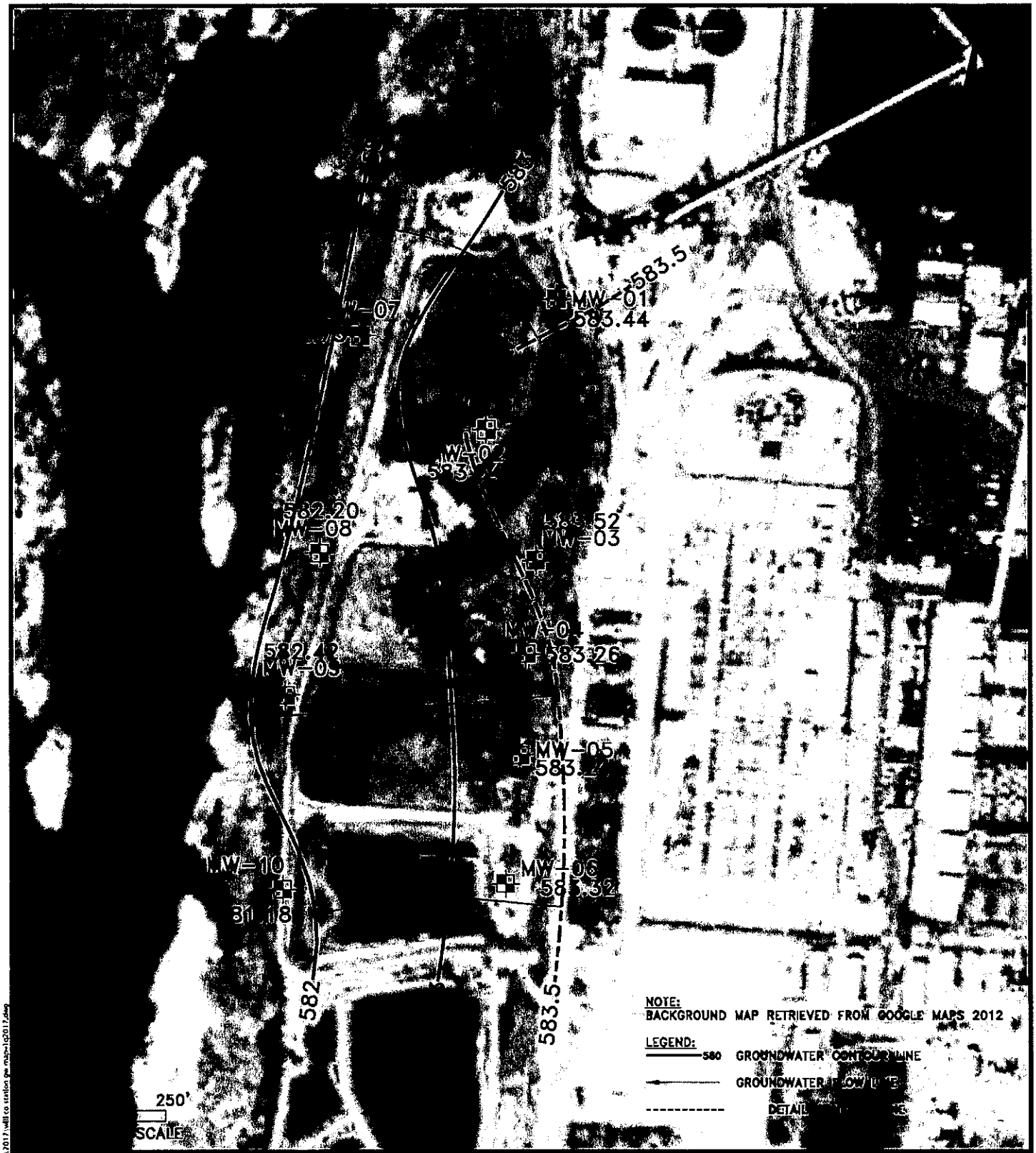

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GROUNDWATER CONTOUR MAP 05/2017

WILL COUNTY STATION
ROMEOVILLE, ILLINOIS

Scale: 1" = 250' | Date: June 22, 2017

KPRG Project No. 12313.3 MWG 3-16-62473 | FIGURE 2

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TABLES

Table 1. Groundwater Elevations - Midwest Generation, LLC, Will County Station, Romeoville, 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	2/4/2015	592 95	589 81	583 12	583 12	570 95	9 83	9 83	22 00
	4/30/2015	592 95	589 81	583 19	583 21	570 95	9 76	9 74	22 00
	7/27/2015	592 95	589 81	583 09	583 08	570 95	9 86	9 87	22 00
	11/9/2015	592 95	589 81	583 12	583 12	570 95	9 83	9 83	22 00
	2/16/2016	592 95	589 93	583 22	583 21	570 95	9 73	9 74	22 00
	5/24/2016	592 95	589 93	583 20	583 17	570 95	9 75	9 78	22 00
	8/9/2016	592 95	589 93	583 09	583 06	570 95	9 86	9 89	22 00
	10/25/2016	592 95	589 93	583 11	583 24	570 95	9 84	9 71	22 00
	1/31/2017	592 95	589 93	583 31	583 26	570 95	9 64	9 69	22 00
	5/10/2017	592 95	589 93	583 44	583 46	570 95	9 51	9 49	22 00
MW-02	2/4/2015	593 99	590 62	582 89	582 88	568 62	11 10	11 11	25 37
	5/1/2015	593 99	590 62	583 02	583 02	568 62	10 97	10 97	25 37
	7/27/2015	593 99	590 62	582 89	582 89	568 62	11 10	11 10	25 37
	11/9/2015	593 99	590 62	582 89	582 87	568 62	11 10	11 12	25 37
	2/16/2016	594 00	590 66	583 08	583 01	568 63	10 92	10 99	25 37
	5/24/2016	594 00	590 66	583 07	583 03	568 63	10 93	10 97	25 37
	8/9/2016	594 00	590 66	582 85	582 77	568 63	11 15	11 23	25 37
	10/25/2016	594 00	590 66	582 87	583 09	568 63	11 13	10 91	25 37
	1/31/2017	594 00	590 66	583 15	583 10	568 63	10 85	10 90	25 37
	5/10/2017	594 00	590 66	583 54	583 51	568 63	10 46	10 49	25 37
MW-03	2/4/2015	593 51	590 50	583 17	583 00	573 74	10 34	10 51	19 77
	5/1/2015	593 51	590 50	583 27	583 27	573 74	10 24	10 24	19 77
	7/28/2015	593 51	590 50	582 98	582 97	573 74	10 53	10 54	19 77
	11/9/2015	593 51	590 50	583 15	583 14	573 74	10 36	10 37	19 77
	2/16/2016	593 51	590 54	583 23	583 25	573 74	10 28	10 26	19 77
	5/24/2016	593 51	590 54	583 19	583 17	573 74	10 32	10 34	19 77
	8/9/2016	593 51	590 54	582 88	582 80	573 74	10 63	10 71	19 77
	10/25/2016	593 51	590 54	583 14	583 19	573 74	10 37	10 32	19 77
	1/31/2017	593 51	590 54	583 30	583 27	573 74	10 21	10 24	19 77
	5/11/2017	593 51	590 54	583 52	583 79	573 74	9 99	9 72	19 77
MW-04	2/4/2015	593 95	591 06	582 93	582 93	571 47	11 02	11 02	22 48
	5/1/2015	593 95	591 06	583 06	583 05	571 47	10 89	10 90	22 48
	7/28/2015	593 95	591 06	582 78	582 77	571 47	11 17	11 18	22 48
	11/9/2015	593 95	591 06	582 87	582 85	571 47	11 08	11 10	22 48
	2/16/2016	593 93	591 08	582 94	582 91	571 45	10 99	11 02	22 48
	5/24/2016	593 93	591 08	582 91	582 90	571 45	11 02	11 03	22 48
	8/9/2016	593 93	591 08	582 74	582 67	571 45	11 19	11 26	22 48
	10/25/2016	593 93	591 08	582 89	583 07	571 45	11 04	10 86	22 48
	1/31/2017	593 93	591 08	583 06	583 03	571 45	10 87	10 90	22 48
	5/11/2017	593 93	591 08	583 26	#VALUE!	571 45	10 67	NM	22 48
MW-05	2/3/2015	592 87	589 60	582 96	582 96	570 80	9 91	9 91	22 07
	5/1/2015	592 87	589 60	583 03	583 03	570 80	9 84	9 84	22 07
	7/28/2015	592 87	589 60	582 78	582 76	570 80	10 09	10 11	22 07
	11/9/2015	592 87	589 60	582 88	582 84	570 80	9 99	10 03	22 07
	2/16/2016	592 87	589 60	582 96	582 88	570 80	9 91	9 99	22 07
	5/24/2016	592 87	589 60	582 93	582 88	570 80	9 94	9 99	22 07
	8/9/2016	592 87	589 60	582 78	582 73	570 80	10 09	10 14	22 07
	10/25/2016	592 87	589 60	583 85	582 98	570 80	9 02	9 89	22 07
	1/31/2017	592 87	589 60	583 06	582 98	570 80	9 81	9 89	22 07
	5/11/2017	592 87	589 60	583 24	583 51	570 80	9 63	9 36	22 07
MW-06	2/3/2015	592 97	589 77	581 66	581 65	571 82	11 31	11 32	21 15
	4/30/2015	592 97	589 77	581 93	581 89	571 82	11 04	11 08	21 15
	7/28/2015	592 97	589 77	581 67	581 66	571 82	11 30	11 31	21 15
	11/9/2015	592 97	589 77	583 01	581 98	571 82	9 96	10 99	21 15
	2/16/2016	592 97	589 77	581 60	581 51	571 82	11 37	11 46	21 15
	5/24/2016	593 18	589 77	581 81	581 72	572 03	11 37	11 46	21 15
	8/9/2016	593 18	589 77	581 64	581 52	572 03	11 54	11 66	21 15
	10/25/2016	593 18	589 77	581 81	581 77	572 03	11 37	11 41	21 15
	1/31/2017	593 18	589 77	581 94	581 87	572 03	11 24	11 31	21 15
	5/11/2017	593 18	589 77	582 32	582 55	572 03	10 86	10 63	21 15
MW-07	2/3/2015	592 88	589 55	581 79	581 70	572 07	11 09	11 18	20 81
	4/30/2015	592 88	589 55	582 10	582 04	572 07	10 78	10 84	20 81
	7/27/2015	592 88	589 55	581 42	581 29	572 07	11 46	11 59	20 81
	11/9/2015	592 88	589 55	581 75	581 64	572 07	11 13	11 24	20 81
	2/16/2016	592 88	589 55	582 02	581 90	572 07	10 86	10 98	20 81
	5/24/2016	592 89	589 55	581 81	581 67	572 08	11 08	11 22	20 81
	8/9/2016	592 89	589 55	581 46	581 32	572 08	11 43	11 57	20 81
	10/25/2016	592 89	589 55	581 73	581 62	572 08	11 16	11 27	20 81
	1/31/2017	592 89	589 55	582 28	582 08	572 08	10 61	10 81	20 81
	5/9/2017	592 89	589 55	582 73	582 68	572 08	10 16	10 21	20 81

Table 1. Groundwater Elevations - Midwest Generation, LLC, Will County Station, Romeoville, 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-08	2/3/2015	592 71	589 64	581 25	580 83	572 50	11 46	11 88	20 21
	4/30/2015	592 71	589 64	581 48	581 20	572 50	11 23	11 51	20 21
	7/27/2015	592 71	589 64	581 10	579 97	572 50	11 61	12 74	20 21
	11/9/2015	592 71	589 64	581 36	580 82	572 50	11 35	11 89	20 21
	2/16/2016	592 71	589 64	581 60	581 23	572 50	11 11	11 48	20 21
	5/24/2016	592 75	589 64	581 46	581 22	572 54	11 29	11 53	20 21
	8/9/2016	592 75	589 64	580 99	580 78	572 54	11 76	11 97	20 21
	10/25/2016	592 75	589 64	581 31	581 27	572 54	11 44	11 48	20 21
	1/31/2017	592 75	589 64	581 77	581 57	572 54	10 98	11 18	20 21
	5/9/2017	592 75	589 64	582 20	582 11	572 54	10 55	10 64	20 21
MW-09	2/3/2015	592 84	589 76	581 97	581 36	570 66	10 87	11 48	22 18
	4/30/2015	592 84	589 76	581 57	581 53	570 66	11 27	11 31	22 18
	7/27/2015	592 84	589 76	581 31	580 86	570 66	11 53	11 98	22 18
	11/9/2015	592 84	589 76	581 46	581 30	570 66	11 38	11 54	22 18
	2/16/2016	592 84	589 76	581 81	581 57	570 66	11 03	11 27	22 18
	5/24/2016	592 87	589 76	581 52	581 45	570 69	11 35	11 42	22 18
	8/9/2016	592 87	589 76	581 44	581 21	570 69	11 43	11 66	22 18
	10/25/2016	592 87	589 76	582 13	582 08	570 69	10 74	10 79	22 18
	1/31/2017	592 87	589 76	581 72	581 55	570 69	11 15	11 32	22 18
	5/9/2017	592 87	589 76	582 42	582 43	570 69	10 45	10 44	22 18
MW-10	02/03/15	590 98	591 31	580 12	579 94	571 45	10 86	11 04	19 53
	04/30/15	590 98	591 31	580 37	580 26	571 45	10 61	10 72	19 53
	07/27/15	590 98	591 31	580 11	579 95	571 45	10 87	11 03	19 53
	11/9/2015	590 98	591 31	580 33	580 14	571 45	10 65	10 84	19 53
	2/16/2016	590 98	591 31	580 55	580 26	571 45	10 43	10 72	19 53
	5/24/2016	590 96	591 31	580 24	580 10	571 43	10 72	10 86	19 53
	8/9/2016	590 96	591 31	579 84	579 68	571 43	11 12	11 28	19 53
	10/25/2016	590 96	591 31	580 23	580 27	571 43	10 73	10 69	19 53
	1/31/2017	590 96	591 31	580 59	580 48	571 43	10 37	10 48	19 53
	5/10/2017	590 96	591 31	581 18	580 94	571 43	9 78	10 02	19 53

Note: Values for Depth to Bottom of Well are from prior to the installation of the dedicated pumps

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-01	Date	4/30/2015		7/27/2015		11/9/2015		2/18/2016		5/26/2016		8/11/2016		10/27/2016		2/2/2017		5/10/2017	
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	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	ND	0 0020	ND	0.0010	ND
Barium	2 0	0 0025	0 069	0 0025	0 076	0 0025	0 078	0 0025	0 075	0 0025	0 075	0 0025	0 10	0 0025	0 095	0 0025	0 082	0.0025	0.078
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	0 81	0 050	0 91	0 050	0 73	0 050	0 80	0 050	0 74	0 25	0 87	0 050	0 76	0 50	0 69	0.25	1.1
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	28	2 0	33	2 0	26	2 0	27	2 0	25	2 0	26	2 0	24	2 0	33	2.0	50
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	0 59	0 10	0 66	0 10	0 80	0 10	0 73	0 10	0 72	0 10	0 82	0 10	0 89	0 10	0 79	0.10	0.59
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	0 011	0 0025	0 15	0 0025	0 088	0 0025	0 0087	0 0025	0 0082	0 0025	0 075 B	0 0025	0 074	0 0025	0 025	0.0025	0.032
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	0 00020	0 00020	ND	0 00020	ND ^	0.00020	ND
Nickel	0 1	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	0 0021	0 0020	ND	0 0020	ND	0 0020	ND	0 0020	ND	0.0020	0.0023
Nitrogen/Nitrate	10 0	0 10	0 25	0 10	0 19	0 10	0 15	0 10	0 37	0 10	0 40	0 10	0 12	0 10	ND	0 10	0 58	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	0 25	0 10	0 19	0 10	0 15	0 10	0 37	0 10	0 40	0 10	0 12	0 10	ND	0 10	0 58	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 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 0053 F1	0 0025	0 0027	0 0025	0 0028	0 0025	0 0032	0 0025	0 0039	0 0025	0 0026	0 0025	ND	0 0050	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	100	25	120	25	110	50	120	25	110	25	80	20	97	25	90	50	140
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	510	10	570	10	470	10	530	10	530	10	510	10	480	10	590	10	650
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	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 0005	ND	0 0005	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	0 0013	0 0025	ND	0 0025	0 0012	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 36	NA	7 44	NA	7 25	NA	7 17	NA	7 12	NA	7 07	NA	7 45	NA	7 22	NA	7 67
Temperature	NA	NA	12 63	NA	21 71	NA	17 51	NA	10 73	NA	20 50	NA	23 50	NA	15 04	NA	11 20	NA	13 67
Conductivity	NA	NA	0 70	NA	0 86	NA	0 69	NA	0 53	NA	0 80	NA	0 82	NA	0 64	NA	0 64	NA	0 69
Dissolved Oxygen	NA	NA	2 32	NA	1 39	NA	0 62	NA	2 08	NA	2 02	NA	1 51	NA	2 53	NA	1 10	NA	2 86
ORP	NA	NA	31 7	NA	-122 9	NA	-0 6	NA	-43 8	NA	-18 5	NA	-126 9	NA	-62 6	NA	-5 5	NA	148 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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-02	Date	5/1/2015		7/28/2015		11/10/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/2/2017		5/10/2017	
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 0076	0 0010	0 013	0 0010	0 018	0 0010	0 0072	0 0010	0 0088	0 0010	0 018	0 0010	0 017	0 0020	0 0075	0.0010	0.0025
Barium	2 0	0 0025	0 096	0 0025	0 093	0 0025	0 098	0 0025	0 092	0 0025	0 088	0 0025	0 090	0 0025	0 093	0 0025	0 078	0.0025	0.075
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	3 8	0 50	4 0 F1	0 50	4 4	0 050	4 3	0 050	3 9	0 25	4 1	0 50	4 9	0 50	4 3	0.50	3.6
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	10	90	10	110	10	80	2 0	64	2 0	72	2 0	71	2 0	56	2.0	44
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	0 38	0 10	0 38	0 10	0 40	0 10	0 38	0 10	0 32	0 10	0 34	0 10	0 36	0 10	0 40	0.10	0.18
Iron	5 0	0 10	ND	0 10	0 58	0 10	0 78	0 10	ND	0 10	0 21	0 10	1 0	0 10	1 0	0 10	0 15	0.10	0.42
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	0.0012
Manganese	0 15	0 0025	0 055	0 0025	0 085	0 0025	0 068	0 0025	0 080	0 0025	0 061	0 0025	0 083 B	0 0025	0 092	0 0025	0 079	0.0025	0.21
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 0032	0 0020	0 0029	0 0020	0 0031	0 0020	0 0048	0 0020	0 0032	0 0020	0 0038	0 0020	0 0038	0 0020	0 0029	0.0020	0.0085
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	0 13	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	0 13	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
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0050	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	100	460	100	610	100	600	200	710	250	650	250	510	250	670	100	590	250	470
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	1200	10	1300	10	1000	10	1300	10	1300	10	1500	10	1500	10	1400	10	1300
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	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 0005	ND	0 0005	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	ND	0 00050	0 00057
BETX	11 705	0 0025	ND	0 0025	ND	0 0025	0 00072	0 0025	ND	0 0025	ND	0 0025	0 00055	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	8 00	NA	7 94	NA	8 06	NA	7 63	NA	7 50	NA	7 60	NA	7 86	NA	7 76	NA	8 26
Temperature	NA	NA	18 64	NA	19 83	NA	15 84	NA	8 11	NA	18 77	NA	26 04	NA	14 23	NA	11 16	NA	14 08
Conductivity	NA	NA	1 58	NA	1 72	NA	1 50	NA	1 05	NA	1 70	NA	1 97	NA	1 54	NA	1 42	NA	1 35
Dissolved Oxygen	NA	NA	1 60	NA	0 75	NA	0 49	NA	1 68	NA	1 30	NA	2 33	NA	2 28	NA	0 84	NA	2 48
ORP	NA	NA	-116 1	NA	-112 8	NA	-143 6	NA	-96 1	NA	-81 0	NA	-136 7	NA	-148 3	NA	-47 6	NA	-17 1

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-03	Date	5/1/2015		7/28/2015		11/10/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/1/2017		5/11/2017	
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	ND	0 0010	ND	0 0010	ND	0 0010	0 0011	0 0010	ND	0 0010	ND	0 0010	ND	0 0020	ND	0.0010	0.0070
Barium	2 0	0 0025	0 093	0 0025	0 081	0 0025	0 11	0 0025	0 079	0 0025	0 088	0 0025	0 11	0 0025	0 11	0 0025	0 083	0.0025	0.067
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	2 9	0 50	4 1	0 50	3 0	0 050	3 0	0 050	2 9	0 25	3 1	0 50	3 3 F1	0 25	3 0	0.50	4.1
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	33	2 0	59	10	33	2 0	28	2 0	27	2 0	27	2 0	22	2 0	20	2.0	43
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	0 0013	0 0010	ND	0 0010	ND	0 0010	ND	0 0010	0 0011	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	0 38	0 10	0 44	0 10	0 39	0 10	0 41	0 10	0 41	0 10	0 36	0 10	0 38	0 10	0 34	0.10	0.27
Iron	5 0	0 10	0 12	0 10	0 13	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	0 43	0 0025	0 28	0 0025	0 42	0 0025	0 33	0 0025	0 35	0 0025	0 41 B	0 0025	0 49	0 0025	0 33	0.0025	0.033
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 0047	0 0020	0 0086	0 0020	0 0049	0 0020	0 0073	0 0020	0 0061	0 0020	0 0073	0 0020	0 0064	0 0020	0 0068	0.0020	0.0021
Nitrogen/Nitrate	10 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	0 30	0 10	ND	0 10	0 82	0.10	0.20
Nitrogen/Nitrate, Nitrite	NA	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	0 30	0 10	ND	0 10	0 82	0.10	0.20
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 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	0 0043	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND F1	0 0050	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	100	250	100	520	50	280	100	400	100	370	100	230	50	240	100	310	100	510
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	990	10	1100	10	950	10	980	10	960	10	930	10	910	10	940	10	1100
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	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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0 0025	0 0014	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 07	NA	7 63	NA	6 81	NA	7 10	NA	7 02	NA	6 90	NA	6 97	NA	7 18	NA	8 12
Temperature	NA	NA	11 15	NA	18 62	NA	13 54	NA	9 00	NA	20 09	NA	20 43	NA	13 88	NA	7 94	NA	12 14
Conductivity	NA	NA	1 14	NA	1 47	NA	1 16	NA	0 84	NA	1 26	NA	1 26	NA	1 05	NA	0 97	NA	1 07
Dissolved Oxygen	NA	NA	2 99	NA	1 13	NA	1 08	NA	1 27	NA	2 02	NA	1 32	NA	2 10	NA	2 23	NA	2 05
ORP	NA	NA	-18 3	NA	-124 6	NA	-6 0	NA	44 1	NA	-74 2	NA	-95 1	NA	-82 0	NA	-70 7	NA	-60 1

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-04	Date	5/1/2015		7/28/2015		11/11/2015		2/17/2016		5/25/2016		8/11/2016		10/27/2016		2/1/2017		5/11/2017	
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	ND	0 0010	ND	0 0010	0 0019	0 0010	0 0013	0 0010	ND	0 0010	ND	0 0010	ND	0 0020	ND	0.0010	ND
Barium	2 0	0 0025	0 031	0 0025	0 038	0 0025	0 039	0 0025	0 038	0 0025	0 034	0 0025	0 038	0 0025	0 044	0 0025	0 035	0.0025	0.043
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	4 0	0 50	5 4	0 50	5 0	0 050	4 9	0 050	4 3	0 25	4 8	0 50	-6 1	0 50	5 0	0.50	5.0
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	10	110	10	97	2 0	46	10	84	2 0	73	2 0	54	2 0	72	2 0	57	2.0	46
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	0 0011	0 0010	0 0013	0 0010	0 0012	0 0010	ND	0 0010	ND	0 0010	0 0011	0 0010	0 0010	0.0010	0.0014
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	0 035	0 010	ND	0.010	ND
Fluoride	4 0	0 10	0 47	0 10	0 56	0 10	0 43	0 10	0 52	0 10	0 50	0 10	0 46	0 10	0 50	0 10	0 43	0.10	0.33
Iron	5 0	0 10	ND	0 10	0 16	0 10	0 51	0 10	0 11	0 10	0 12	0 10	0 28	0 10	0 16	0 10	0 11	0.10	0.28
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 45	0 0025	0 77	0 0025	0 62	0 0025	0 70	0 0025	0 45	0 0025	0 57 B	0 0025	0 64	0 0025	0 57	0.0025	0.70
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	0 00025	0 00020	ND	0 00020	ND ^	0.00020	ND
Nickel	0 1	0 0020	0 0057	0 0020	0 0053	0 0020	0 0070	0 0020	0 0079	0 0020	0 0047	0 0020	0 0057	0 0020	0 0058	0 0020	0 0046	0.0020	0.0047
Nitrogen/Nitrate	10 0	0 10	0 53	0 10	0 11	0 10	ND	0 10	0 34	0 10	0 25	0 10	ND	0 10	ND	0 10	0 86	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	0 53	0 10	0 11	0 10	ND	0 10	0 34	0 10	0 25	0 10	ND	0 10	ND	0 10	0 86	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 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 020	0 0025	0 0046	0 0025	0 0081	0 0025	0 0077	0 0025	0 012	0 0025	0 0042	0 0025	ND	0 0050	0 011	0.0025	0.0026
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	250	860	500	1600	250	870	500	1800	500	1300	250	880	500	1400	500	1200	500	1300
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	2300	17	3200	10	1900	13	3200	13	2700	10	2200	10	2800	10	2700	10	2800
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	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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 00050	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 15	NA	7 29	NA	6 65	NA	7 05	NA	6 85	NA	6 78	NA	7 01	NA	6 87	NA	7 67
Temperature	NA	NA	13 74	NA	20 17	NA	16 27	NA	10 03	NA	18 45	NA	21 76	NA	14 80	NA	8 85	NA	12 24
Conductivity	NA	NA	2 36	NA	3 85	NA	2 18	NA	2 46	NA	3 10	NA	2 74	NA	2 67	NA	2 29	NA	2 45
Dissolved Oxygen	NA	NA	1 83	NA	0 90	NA	1 12	NA	0 95	NA	1 81	NA	1 68	NA	3 02	NA	2 13	NA	3 44
ORP	NA	NA	9 3	NA	-73 4	NA	-33 0	NA	-18 7	NA	-10 3	NA	-116 2	NA	-6 4	NA	-27 0	NA	-7 8

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of limits.

Temperature	°C	degrees Celsius
Conductivity	ms/cm^5	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-05	Date	5/1/2015		7/28/2015		11/11/2015		2/18/2016		5/26/2016		8/10/2016		10/26/2016		2/1/2017		5/11/2017	
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 0019	0 0010	0 0011	0 0010	0 0014	0 0010	0 0015	0 0010	0 0024	0 0010	0 0050	0 0010	0 0060	0 0020	ND	0.0010	0.0035
Barium	2 0	0 0025	0 072	0 0025	0 063	0 0025	0 078	0 0025	0 054	0 0025	0 059	0 0025	0 071	0 0025	0 033	0 0025	0 050	0.0025	0.039
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	3 7	0 50	5 3	0 50	5 9	0 050	4 1	0 050	3 7	0 25	4 1	0 50	3 9	0 50	4 2	0.50	3.5
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
Chloride	200 0	10	180	10	100	10	110	10	120	10	96	10	110	10	120	2 0	54	10	86
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	0 31	0 10	0 38	0 10	0 31	0 10	0 31	0 10	0 32	0 10	0 46	0 10	0 72	0 10	0 36	0.10	0.40
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	0 092	0 0025	0 13	0 0025	0 17	0 0025	0 11	0 0025	0 075	0 0025	0 14 B	0 0025	0 019	0 0025	0 072	0.0025	0.052
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 0023	0 0020	0 0034	0 0020	0 0026	0 0020	0 0053	0 0020	0 0030	0 0020	0 0030	0 0020	0 0021	0 0020	0 0030	0.0020	ND
Nitrogen/Nitrate	10 0	0 10	1 1	0 10	0 48	0 10	ND	0 10	0 61	0 10	0 51	0 10	ND	0 10	ND	0 10	0 75	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0 10	1 2	0 10	0 48	0 10	ND	0 10	0 65	0 10	0 66	0 10	0 13	0 10	ND	0 10	0 75	0.10	ND
Nitrogen/Nitrite	NA	0 020	0 099	0 020	ND	0 020	ND	0 020	0 040	0 020	0 15	0 020	0 048	0 020	ND	0 020	ND	0.020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 020	0 0025	0 021	0 0025	0 035	0 0025	0 017	0 0025	0 027	0 0025	0 012	0 0025	ND	0 0050	0 027	0.0025	0.0034
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	100	480	250	770	250	780	250	730	250	600	130	530	100	360	100	500	100	470
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	1600	10	2000	10	1900	10	1700	10	1500	10	1200	10	820	10	1600	10	1000
Vanadium	0 049	0 0050	0 012	0 0050	0 011	0 0050	0 016	0 0050	0 010	0 0050	0 013	0 0050	0 022	0 0050	0 030	0 0050	0 0083	0.0050	0.0099
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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0 0025	0 0015	0 0025	ND	0 0025	0 00068	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 29	NA	7 13	NA	7 24	NA	6 99	NA	6 73	NA	8 62	NA	9 08	NA	6 81	NA	7 86
Temperature	NA	NA	12 11	NA	20 61	NA	15 77	NA	8 54	NA	15 42	NA	24 37	NA	13 90	NA	9 44	NA	13 04
Conductivity	NA	NA	1 69	NA	2 47	NA	2 02	NA	1 17	NA	1 69	NA	1 57	NA	1 09	NA	1 44	NA	1 24
Dissolved Oxygen	NA	NA	1 53	NA	1 41	NA	1 17	NA	1 42	NA	2 12	NA	0 85	NA	2 24	NA	2 90	NA	1 62
ORP	NA	NA	31 4	NA	-50 4	NA	46 1	NA	21 7	NA	91 9	NA	-207 6	NA	-76 7	NA	-10 3	NA	-34 8

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-06	Date	4/30/2015		7/28/2015		11/10/2015		2/18/2016		5/26/2016		8/11/2016		10/26/2016		2/1/2017		5/11/2017	
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 0010	0 0010	ND	0 0010	0 0017	0 0010	ND	0 0010	0 0022	0 0010	0 0029	0 0010	0 0031	0 0020	ND	0.0010	0.0011
Barium	2 0	0 0025	0 072	0 0025	0 061	0 0025	0 044	0 0025	0 062	0 0025	0 075	0 0025	0 087	0 0025	0 084	0 0025	0 056	0.0025	0.055
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	3 0	0 50	3 6	0 50	3 4	0 050	2 4	0 050	2 9	0 25	3 6	0 50	3 9	0 25	2 9	0.50	3.0 F1
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	160	10	120	10	110	10	150	10	83	2 0	61	2 0	73	10	90	10	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
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	0 38	0 10	0 45	0 10	0 63	0 10	0 45	0 10	0 38	0 10	0 34	0 10	0 39	0 10	0 41	0.10	0.30
Iron	5 0	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	0 11	0 10	0 15	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	0 068	0 0025	0 066	0 0025	0 037	0 0025	0 051	0 0025	0 089	0 0025	0 13 B	0 0025	0 13	0 0025	0 062	0.0025	0.049
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	0 0022	0 0020	ND	0 0020	0 0024	0 0020	0 0039	0 0020	ND	0.0020	ND
Nitrogen/Nitrate	10 0	0 10	0 23	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	ND	0 10	0 14	0.10	0.60
Nitrogen/Nitrate, Nitrite	NA	0 10	0 30	0 10	ND	0 10	ND	0 10	0 14	0 10	ND	0 10	ND	0 10	ND	0 10	0 18	0.10	0.75
Nitrogen/Nitrite	NA	0 020	0 067	0 020	0 077	0 020	0 032	0 020	0 047	0 020	ND	0 020	ND	0 020	ND	0 020	0 039	0.040	0.15
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	ND	0 0025	ND	0 0025	0 0048	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0028	0 0050	ND	0.0025	0.0047
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	350	100	330	50	360	50	290	100	350	100	360	50	320	50	260	50	280
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	780	10	800	10	660	10	720	10	780	10	810	10	750	10	750	10	650
Vanadium	0 049	0 0050	ND	0 0050	ND	0 0050	ND	0 0050	0 0058	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	0 00050	ND	0 00050	ND	0 0005	0 0005	0 0005	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	0 0028	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	8 08	NA	8 60	NA	8 63	NA	8 58	NA	7 79	NA	7 74	NA	8 16	NA	7 88	NA	8 68
Temperature	NA	NA	10 95	NA	25 89	NA	17 67	NA	7 76	NA	16 74	NA	20 61	NA	13 77	NA	10 00	NA	14 88
Conductivity	NA	NA	0 94	NA	1 29	NA	0 98	NA	0 63	NA	0 99	NA	1 10	NA	0 94	NA	0 80	NA	0 83
Dissolved Oxygen	NA	NA	1 90	NA	0 88	NA	1 67	NA	1 57	NA	4 37	NA	2 23	NA	1 84	NA	3 40	NA	2 82
ORP	NA	NA	-61 3	NA	-132 5	NA	-101 6	NA	-33 1	NA	-67 5	NA	-125 1	NA	-78 4	NA	-78 4	NA	-81 3

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-07	Date	4/30/2015		7/27/2015		11/9/2015		2/17/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
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 0020	0 0010	0 0027	0 0010	0 0023	0 0010	0 0024	0 0010	0 0028	0 0010	0 0025	0 0020	0 0033	0.0010	0.0024
Barium	2 0	0 0025	0 048	0 0025	0 037	0 0025	0 035	0 0025	0 046	0 0025	0 046	0 0025	0 048	0 0025	0 046	0 0025	0 045	0.0025	0.061
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	3 3	0 25	3 1	0 50	2 9	0 050	3 8	0 050	2 9	0 25	2 8	0 50	3 2	0 50	3 7	0.50	4.3
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
Chloride	200 0	10	160	10	170	10	160	10	150	10	140	10	150	10	130	10	130	10	150
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	0 034	0 010	ND	0 010	0 037	0 010	0 017 F1,2	0 010	0 021	0 010	0 011	0.010	0.025
Fluoride	4 0	0 10	0 85	0 10	0 90	0 10	0 96	0 10	0 79	0 10	0 75	0 10	0 86	0 10	0 87	0 10	0 72	0.10	0.39
Iron	5 0	0 10	0 22	0 10	0 19	0 10	0 19	0 10	0 17	0 10	0 21	0 10	0 28	0 10	0 31	0 10	0 28	0.10	0.39
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	0 044	0 0025	0 024	0 0025	0 025	0 0025	0 040	0 0025	0 035	0 0025	0 044 B	0 0025	0 061	0 0025	0 081	0.0025	0.10
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 0033	0 0020	0 0034	0 0020	0 0035	0 0020	0 0040	0 0020	0 0034	0 0020	0 0035	0 0020	0 0035	0 0020	0 0030	0.0020	0.0023
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
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 0039	0 0025	ND	0 0025	0 012	0 0025	0 0039	0 0025	0 0028	0 0025	0 0027	0 0025	0 0061	0 0050	ND	0.0025	0.0029
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	100	440	100	420	100	420	200	700	100	530	100	350	100	510	100	500	250	540
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	1200	10	950	10	960	10	1300	10	1100	10	940	10	1200	10	1500	10	1500
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	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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0 0025	0 0018	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	8 53	NA	8 75	NA	7 11	NA	8 36	NA	7 89	NA	7 60	NA	8 20	NA	7 73	NA	7 51
Temperature	NA	NA	12 23	NA	20 84	NA	14 48	NA	10 48	NA	15 41	NA	17 85	NA	13 94	NA	9 87	NA	11 32
Conductivity	NA	NA	1 32	NA	1 49	NA	1 21	NA	1 00	NA	1 37	NA	1 30	NA	1 27	NA	1 27	NA	1 19
Dissolved Oxygen	NA	NA	2 30	NA	2 23	NA	2 36	NA	0 91	NA	1 53	NA	1 20	NA	1 16	NA	2 37	NA	5 98
ORP	NA	NA	-134 3	NA	-163 1	NA	-69 7	NA	-123 3	NA	-126 9	NA	-108 9	NA	-86 1	NA	-70 7	NA	-73 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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of limits.
F2 - MS/MSD RPD exceeds control limits

Temperature	°C	degrees Celsius
Conductivity	ms/cm^6	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-08	Date	4/30/2015		7/27/2015		11/9/2015		2/16/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
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 0047	0 0010	0 0064	0 0010	0 0040	0 0010	0 0024	0 0010	0 0049	0 0010	0 0095	0 0010	0 0064	0 0020	ND	0.0010	ND
Barium	2 0	0 0025	0 083	0 0025	0 066	0 0025	0 086	0 0025	0 060	0 0025	0 064	0 0025	0 062	0 0025	0 063	0 0025	0 052	0.0025	0.059
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	2 3	0 25	2 8	0 50	4 0	0 050	2 8	0 050	2 3	0 25	2 6	0 50	4 1	0 50	2 5	0.25	1.7
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	150	10	170	10	170	10	140	10	140	10	150	10	130	10	110	10	100
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	0 0012	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	0 54	0 10	0 68	0 10	0 52	0 10	0 52	0 10	0 52	0 10	0 70	0 10	0 54	0 10	0 46	0.10	0.34
Iron	5 0	0 10	0 22	0 10	0 46	0 10	0 11	0 10	0 12	0 10	0 38	0 10	0 54	0 10	1 1	0 10	ND	0.10	0.20
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 28	0 0025	0 31	0 0025	0 25	0 0025	0 24	0 0025	0 36	0 0025	0 27 B	0 0025	0 62	0 0025	0 096	0.0025	0.24
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 0037	0 0020	0 0041	0 0020	0 0052	0 0020	0 0065	0 0020	0 0035	0 0020	0 0045	0 0020	0 010	0 0020	0 0035	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
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 010	0 0025	ND	0 0025	0 0065	0 0025	0 0049	0 0025	ND	0 0025	ND	0 0025	ND	0 0050	0 012	0.0025	0.0069
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	100	520	100	650	200	800	250	750	100	580	130	520	250	680	100	450	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	1400	10	1200	10	1600	10	1600	10	1400	10	1300	10	1700	10	1500	10	920
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	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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0 0025	0 0019	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 23	NA	7 36	NA	6 88	NA	7 10	NA	6 85	NA	7 13	NA	7 06	NA	7 02	NA	7 15
Temperature	NA	NA	12 42	NA	17 57	NA	16 00	NA	7 88	NA	16 06	NA	21 11	NA	15 60	NA	8 97	NA	11 75
Conductivity	NA	NA	1 59	NA	1 66	NA	1 96	NA	1 23	NA	1 61	NA	1 63	NA	1 95	NA	1 37	NA	1 08
Dissolved Oxygen	NA	NA	5 61	NA	1 23	NA	1 81	NA	1 63	NA	1 61	NA	1 25	NA	0 79	NA	2 71	NA	3 97
ORP	NA	NA	14 8	NA	-124 4	NA	19 0	NA	19 4	NA	-43 1	NA	-114 0	NA	-63 0	NA	-25 9	NA	-43 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

^ - Denotes Instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of 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, Will County Station, Romeoville, IL

Sample: MW-09	Date	4/30/2015		7/27/2015		11/11/2015		2/16/2016		5/24/2016		8/9/2016		10/25/2016		1/31/2017		5/9/2017	
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 0044	0 0010	0 0032	0 0010	0 0057	0 0010	0 0041	0 0010	0 0039	0 0010	0 0049	0 0010	0 0078	0 0020	0 0050	0.0010	0.0038
Barium	2 0	0 0025	0 032	0 0025	0 026	0 0025	0 030	0 0025	0 019	0 0025	0 024	0 0025	0 030	0 0025	0 023	0 0025	0 025	0.0025	0.038
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 5	0 25	2 0	0 50	2 1	0 050	1 9	0 050	1 4	0 25	1 8	0 50	2 6	0 25	1 7	0.25	1.6
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	310	10	230	10	190	10	160	10	170	10	150	10	130	10	250	10	360
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	0 47	0 10	0 51	0 10	0 57	0 10	0 53	0 10	0 45	0 10	0 51	0 10	0 79	0 10	0 56	0.10	0.43
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	0 0044	0 0025	0 0032	0 0025	0 0025	0 0025	0 0044	0 0025	0 0050	0 0025	0 0035	0 0025	0 0032	0.0025	0.0050
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	0 0020	0 0020	0 0023	0 0020	0 0024	0 0020	ND	0 0020	0 0028	0 0020	0 0023	0 0020	ND	0.0020	ND
Nitrogen/Nitrate	10 0	0 10	2 7	0 10	0 32	0 10	ND	0 10	0 37	0 10	0 55	0 10	ND	0 10	0 70	0 10	0 11	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0 20	2 9	0 10	0 43	0 10	ND	0 10	0 39	0 10	0 59	0 10	ND	0 10	0 70	0 10	0 11	0.10	ND
Nitrogen/Nitrite	NA	0 040	0 25	0 020	0 11	0 020	ND	0 020	0 022	0 020	0 040	0 020	ND	0 020	ND	0 020	ND	0.020	ND
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 0025	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0026	0 0025	ND	0 0050	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	270	50	290	100	400	50	240	50	240	50	260	50	240	50	170	50	200
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	930	10	760	10	760	10	660	10	670	10	750	10	640	10	800	10	960
Vanadium	0 049	0 0050	0 010	0 0050	0 0063	0 0050	0 0080	0 0050	0 011	0 0050	0 0069	0 0050	0 0091	0 0050	0 028	0 0050	0 014	0.0050	0.0094
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 00050	ND	0 00050	ND	0 0005	0 00057	0 0005	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	0 00287	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	9 49	NA	9 50	NA	9 12	NA	9 14	NA	8 79	NA	8 35	NA	9 16	NA	8 59	NA	8 58
Temperature	NA	NA	13 72	NA	20 11	NA	13 45	NA	9 62	NA	16 98	NA	21 67	NA	15 36	NA	9 23	NA	13 61
Conductivity	NA	NA	1 22	NA	1 20	NA	1 00	NA	0 65	NA	0 97	NA	1 14	NA	0 88	NA	0 88	NA	1 10
Dissolved Oxygen	NA	NA	1 93	NA	0 62	NA	0 76	NA	1 99	NA	2 42	NA	1 45	NA	1 74	NA	1 74	NA	3 23
ORP	NA	NA	-53 3	NA	-153 7	NA	39 7	NA	-66 2	NA	-83 9	NA	-151 8	NA	-89 2	NA	-90 1	NA	-72 5

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of limits.

Temperature	°C	degrees Celsius
Conductivity	ms/cm^{6}	millisiemens/centimeters
Dissolved Oxygen	mg/L	milligrams/liter
Oxygen Reduction Potential (ORP)	mV	millivolts

Table 2. Groundwater Analytical Results - Midwest Generation LLC, Will County Station, Romeoville, IL

Sample: MW-10	Date	4/30/2015		7/27/2015		11/10/2015		2/16/2016		5/25/2016		8/10/2016		10/26/2016		2/2/2017		5/10/2017	
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	0 014	0 0010	0 0065	0 0010	0 017	0 0010	0 0075	0 0010	0 0099	0 0010	0 011	0 0010	0 025	0 0020	0 013	0.0010	0.0081
Barium	2 0	0 0025	0 10	0 0025	0 084	0 0025	0 11	0 0025	0 092	0 0025	0 089	0 0025	0 10	0 0025	0 14	0 0025	0 10	0.0025	0.098
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	3 6	0 25	3 1	0 50	4 4	0 050	3 6	0 050	3 8	0 25	3 7	0 50	3 5	0 25	3 2	0.50	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	10	130	10	140	10	140	10	130	10	120	10	120	2 0	73	10	86	10	100
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	0 67	0 10	0 77	0 10	0 77	0 10	0 75	0 10	0 74	0 10	0 76	0 10	0 52	0 10	0 52	0.10	0.44
Iron	5 0	0 10	1 4	0 10	1 1	0 10	1 3	0 10	1 1	0 10	1 2	0 10	0 92	0 10	2 6	0 10	1 9	0.10	1.5
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 29	0 0025	0 19	0 0025	0 26	0 0025	0 25	0 0025	0 20	0 0025	0 25 B	0 0025	0 43	0 0025	0 32	0.0025	0.21
Mercury	0 002	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	ND	0 00020	0 00035	0 00020	ND	0 00020	ND	0 00020	ND ^	0.00020	ND
Nickel	0 1	0 0020	0 0036	0 0020	0 0025	0 0020	0 0030	0 0020	0 0049	0 0020	0 0032	0 0020	0 0037	0 0020	0 0023	0 0020	0 0023	0.0020	0.0022
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
Perchlorate	0 0049	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0 0040	ND	0.0040	ND
Selenium	0 05	0 0025	0 0036	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	0 0029	0 0050	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	260	50	350	50	330	50	270	50	270	50	240	50	240	50	180	50	280
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	1000	10	970	10	990	10	1000	10	920	10	1000	10	980	10	1000	10	1000
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	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 00050	ND	0 00050	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	0 0025	ND	0 0025	ND	0'0025	0 0019	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND	0 0025	ND
pH	6 5 - 9 0	NA	7 43	NA	7 73	NA	7 34	NA	7 29	NA	7 26	NA	7 22	NA	7 30	NA	7 16	NA	7 83
Temperature	NA	NA	10 95	NA	18 29	NA	15 44	NA	8 85	NA	16 52	NA	21 72	NA	12 27	NA	10 19	NA	15 58
Conductivity	NA	NA	1 93	NA	1 31	NA	1 25	NA	0 87	NA	1 26	NA	1 40	NA	1 17	NA	1 04	NA	1 08
Dissolved Oxygen	NA	NA	1 57	NA	0 85	NA	0 58	NA	0 67	NA	0 97	NA	1 43	NA	2 21	NA	0 79	NA	1 68
ORP	NA	NA	-115 0	NA	-141 9	NA	-68 9	NA	-60 3	NA	-123 3	NA	-73 2	NA	-87 5	NA	-65 6	NA	-92 4

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

^ - Denotes instrument related QC exceeds the control limits
F1 - MS and/or MSD Recovery outside of limits.

Temperature	°C	degrees Celsius
Conductivity	ms/cm^{c}	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: 500-127869-1
Client Project/Site: Will Co. Station Ash Ponds

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

Attn: Richard Gnat

Robin M Kintz

Authorized for release by:
5/25/2017 2:08:12 PM
Robin Kintz, Project Manager II
(708)534-5200
robin.kintz@testamericainc.com

Designee for

Eric Lang, Manager of Project Management
(708)534-5200
eric.lang@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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Job ID: 500-127869-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-127869-1

Comments
No additional comments.

Receipt
The samples were received on 5/10/2017 9:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 5 coolers at receipt time were 2.2° C, 3.4° C, 3.6° C, 4.2° C and 4.3° C.

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

Metals
Method(s) 6020A: The internal standard Terbium (Tb) was use to report the elements Lead (Pb) and Thallium (Tl) in batch 500-386039.

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

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

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

Method Summary

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

TestAmerica Job ID: 500-127869-1

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

Sample Summary

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

TestAmerica Job ID: 500-127869-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-127869-1	MW-07	Water	05/09/17 12:50	05/10/17 09:05
500-127869-2	MW-08	Water	05/09/17 14:05	05/10/17 09:05
500-127869-3	MW-09	Water	05/09/17 15:43	05/10/17 09:05
500-127869-4	DUPLICATE	Water	05/09/17 00:00	05/10/17 09:05
500-127869-5	MW-01	Water	05/10/17 14:54	05/11/17 09:50
500-127869-6	MW-02	Water	05/10/17 16:11	05/11/17 09:50
500-127869-7	MW-10	Water	05/10/17 12:11	05/11/17 09:50
500-127869-8	MW-03	Water	05/11/17 09:10	05/11/17 16:18
500-127869-9	MW-04	Water	05/11/17 10:10	05/11/17 16:18
500-127869-10	MW-05	Water	05/11/17 11:05	05/11/17 16:18
500-127869-11	MW-06	Water	05/11/17 12:50	05/11/17 16:18
500-127869-12	Trip Blank	Water	05/09/17 00:00	05/11/17 16:18

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Client Sample ID: MW-07

Date Collected: 05/09/17 12:50
Date Received: 05/10/17 09:05

Lab Sample ID: 500-127869-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 03:47	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 03:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 03:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*		*05/20/17 03:47*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*05/20/17 03:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/20/17 03:47*	*1*
Dibromofluoromethane	*94*		*75 - 120*		*05/20/17 03:47*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 18:04	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		05/19/17 13:12	05/19/17 13:57	1
Arsenic	**0.0024**		0.0010		mg/L		05/19/17 13:12	05/19/17 13:57	1
Barium	**0.061**		0.0025		mg/L		05/19/17 13:12	05/19/17 13:57	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 13:57	1
Boron	**4.3**		0.50		mg/L		05/19/17 13:12	05/19/17 17:29	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:57	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 13:57	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 13:57	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 13:57	1
Iron	**0.39**		0.10		mg/L		05/19/17 13:12	05/19/17 13:57	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:57	1
Manganese	**0.10**		0.0025		mg/L		05/19/17 13:12	05/19/17 13:57	1
Nickel	**0.0023**		0.0020		mg/L		05/19/17 13:12	05/19/17 13:57	1
Selenium	**0.0029**		0.0025		mg/L		05/19/17 13:12	05/19/17 13:57	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:57	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 13:57	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 13:57	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 13:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:25	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.025**		0.010		mg/L		05/16/17 14:20	05/17/17 14:28	1
Sulfate	**540**		250		mg/L			05/16/17 07:18	50
Chloride	**150**		10		mg/L			05/12/17 01:13	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1500**		10		mg/L			05/12/17 03:05	1
Fluoride	**0.39**		0.10		mg/L			05/18/17 19:24	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/10/17 16:40	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 18:55	1

Client Sample ID: MW-08

Date Collected: 05/09/17 14:05
Date Received: 05/10/17 09:05

Lab Sample ID: 500-127869-2

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 04:12	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 04:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 04:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*05/20/17 04:12*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*05/20/17 04:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*05/20/17 04:12*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/20/17 04:12*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 18:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:01	1
Arsenic	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:01	1
Barium	**0.059**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:01	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:01	1
Boron	**1.7**		0.25		mg/L		05/19/17 13:12	05/19/17 17:33	5
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:01	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:01	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:01	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:01	1
Iron	**0.20**		0.10		mg/L		05/19/17 13:12	05/19/17 14:01	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:01	1
Manganese	**0.24**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:01	1
Nickel	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:01	1
Selenium	**0.0069**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:01	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:01	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:01	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:01	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:01	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:28	1
Sulfate	**210**		50		mg/L			05/16/17 07:19	10
Chloride	**100**		10		mg/L			05/12/17 01:14	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**920**		10		mg/L			05/12/17 03:10	1
Fluoride	**0.34**		0.10		mg/L			05/18/17 19:26	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/10/17 16:40	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 18:57	1

Client Sample ID: MW-09

Date Collected: 05/09/17 15:43
Date Received: 05/10/17 09:05

Lab Sample ID: 500-127869-3

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 04:37	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 04:37	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 04:37	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 126*		*05/20/17 04:37*	*1*
Toluene-d8 (Surr)	*91*		*75 - 120*		*05/20/17 04:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/20/17 04:37*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/20/17 04:37*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 19:22	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		05/19/17 13:12	05/19/17 14:05	1
Arsenic	**0.0038**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:05	1
Barium	**0.038**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:05	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:05	1
Boron	**1.6**		0.25		mg/L		05/19/17 13:12	05/19/17 17:37	5
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:05	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:05	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:05	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:05	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 14:05	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:05	1
Manganese	**0.0050**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:05	1
Nickel	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:05	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 14:05	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:05	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:05	1
Vanadium	**0.0094**		0.0050		mg/L		05/19/17 13:12	05/19/17 14:05	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:29	1
Sulfate	**200**		50		mg/L			05/16/17 07:22	10
Chloride	**360**		10		mg/L			05/12/17 01:18	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**960**		10		mg/L			05/12/17 03:12	1
Fluoride	**0.43**		0.10		mg/L			05/18/17 19:33	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/10/17 16:41	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:00	1

Client Sample ID: DUPLICATE

Date Collected: 05/09/17 00:00
Date Received: 05/10/17 09:05

Lab Sample ID: 500-127869-4

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 18:19	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 18:19	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 18:19	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 126*		*05/20/17 18:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/20/17 18:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*05/20/17 18:19*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/20/17 18:19*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 19:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:08	1
Arsenic	**0.0025**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:08	1
Barium	**0.062**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:08	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:08	1
Boron	**4.6**		0.50		mg/L		05/19/17 13:12	05/19/17 17:41	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:08	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:08	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:08	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:08	1
Iron	**0.45**		0.10		mg/L		05/19/17 13:12	05/19/17 14:08	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:08	1
Manganese	**0.12**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:08	1
Nickel	**0.0022**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:08	1
Selenium	**0.0033**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:08	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:08	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:08	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:08	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:37	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	**0.020**		0.010		mg/L		05/16/17 14:20	05/17/17 14:29	1
Sulfate	**630**		250		mg/L			05/16/17 07:23	50
Chloride	**150**		10		mg/L			05/12/17 01:21	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1600**		10		mg/L			05/12/17 03:15	1
Fluoride	**0.40**		0.10		mg/L			05/18/17 19:36	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/10/17 16:42	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:02	1

Client Sample ID: MW-01

Date Collected: 05/10/17 14:54
Date Received: 05/11/17 09:50

Lab Sample ID: 500-127869-5

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 18:48	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 18:48	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 18:48	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 126*		*05/20/17 18:48*	*1*
Toluene-d8 (Surr)	*95*		*75 - 120*		*05/20/17 18:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/20/17 18:48*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/20/17 18:48*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:12	1
Arsenic	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:12	1
Barium	**0.078**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:12	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:12	1
Boron	**1.1**		0.25		mg/L		05/19/17 13:12	05/19/17 17:47	5
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:12	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:12	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:12	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:12	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 14:12	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:12	1
Manganese	**0.032**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:12	1
Nickel	**0.0023**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:12	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 14:12	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:12	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:12	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:12	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:39	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:30	1
Sulfate	**140**		50		mg/L			05/16/17 07:24	10
Chloride	**50**		2.0		mg/L			05/12/17 01:51	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**650**		10		mg/L			05/12/17 03:18	1
Fluoride	**0.59**		0.10		mg/L			05/18/17 19:39	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/11/17 16:55	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:08	1

Client Sample ID: MW-02

Date Collected: 05/10/17 16:11
Date Received: 05/11/17 09:50

Lab Sample ID: 500-127869-6

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00057**		0.00050		mg/L			05/20/17 19:18	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 19:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 19:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 19:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 126*		*05/20/17 19:18*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/20/17 19:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*		*05/20/17 19:18*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/20/17 19:18*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 20:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:16	1
Arsenic	**0.0025**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:16	1
Barium	**0.075**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:16	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:16	1
Boron	**3.6**		0.50		mg/L		05/19/17 13:12	05/19/17 17:51	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:16	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:16	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:16	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:16	1
Iron	**0.42**		0.10		mg/L		05/19/17 13:12	05/19/17 14:16	1
Lead	**0.0012**		0.00050		mg/L		05/19/17 13:12	05/19/17 14:16	1
Manganese	**0.21**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:16	1
Nickel	**0.0085**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:16	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 14:16	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:16	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:16	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:16	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:30	1
Sulfate	**470**		250		mg/L			05/16/17 07:25	50
Chloride	**44**		2.0		mg/L			05/12/17 01:51	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1300**		10		mg/L			05/12/17 03:20	1
Fluoride	**0.18**		0.10		mg/L			05/18/17 19:53	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/11/17 16:56	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:10	1

Client Sample ID: MW-10

Date Collected: 05/10/17 12:11
Date Received: 05/11/17 09:50

Lab Sample ID: 500-127869-7

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 19:47	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 19:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 19:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*		*05/20/17 19:47*	*1*
Toluene-d8 (Surr)	*94*		*75 - 120*		*05/20/17 19:47*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/20/17 19:47*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*05/20/17 19:47*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:20	1
Arsenic	**0.0081**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:20	1
Barium	**0.098**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:20	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:20	1
Boron	**3.0**		0.50		mg/L		05/19/17 13:12	05/19/17 17:55	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:20	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:20	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:20	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:20	1
Iron	**1.5**		0.10		mg/L		05/19/17 13:12	05/19/17 14:20	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:20	1
Manganese	**0.21**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:20	1
Nickel	**0.0022**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:20	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 14:20	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:20	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:20	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:20	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:20	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:30	1
Sulfate	**280**		50		mg/L			05/16/17 07:26	10
Chloride	**100**		10		mg/L			05/12/17 01:23	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1000**		10		mg/L			05/12/17 03:23	1
Fluoride	**0.44**		0.10		mg/L			05/18/17 19:55	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/11/17 16:58	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:17	1

Client Sample ID: MW-03

Date Collected: 05/11/17 09:10
Date Received: 05/11/17 16:18

Lab Sample ID: 500-127869-8

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 13:13	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 13:13	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 13:13	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 13:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*		*05/22/17 13:13*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/22/17 13:13*	*1*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*		*05/22/17 13:13*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/22/17 13:13*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 21:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:24	1
Arsenic	**0.0070**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:24	1
Barium	**0.067**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:24	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:24	1
Boron	**4.1**		0.50		mg/L		05/19/17 13:12	05/19/17 17:59	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:24	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:24	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:24	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:24	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 14:24	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:24	1
Manganese	**0.033**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:24	1
Nickel	**0.0021**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:24	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 14:24	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:24	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:24	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:24	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:24	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:31	1
Sulfate	**510**		100		mg/L			05/16/17 07:27	20
Chloride	**43**		2.0		mg/L			05/12/17 01:52	1
Nitrogen, Nitrate	**0.20**		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1100**		10		mg/L			05/12/17 03:25	1
Fluoride	**0.27**		0.10		mg/L			05/18/17 19:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/17 17:44	1
Nitrogen, Nitrate Nitrite	**0.20**		0.10		mg/L			05/21/17 19:19	1

Client Sample ID: MW-04

Date Collected: 05/11/17 10:10
Date Received: 05/11/17 16:18

Lab Sample ID: 500-127869-9

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 13:40	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 13:40	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 13:40	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*05/22/17 13:40*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/22/17 13:40*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*05/22/17 13:40*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/22/17 13:40*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:39	1
Arsenic	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:39	1
Barium	**0.043**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:39	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:39	1
Boron	**5.0**		0.50		mg/L		05/19/17 13:12	05/19/17 18:10	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:39	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:39	1
Cobalt	**0.0014**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:39	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:39	1
Iron	**0.28**		0.10		mg/L		05/19/17 13:12	05/19/17 14:39	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:39	1
Manganese	**0.70**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:39	1
Nickel	**0.0047**		0.0020		mg/L		05/19/17 13:12	05/19/17 14:39	1
Selenium	**0.0026**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:39	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:39	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:39	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:39	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:39	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:45	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:31	1
Sulfate	**1300**		500		mg/L			05/16/17 07:28	100
Chloride	**46**		2.0		mg/L			05/12/17 01:52	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**2800**		10		mg/L			05/12/17 03:28	1
Fluoride	**0.33**		0.10		mg/L			05/18/17 20:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/17 17:44	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:21	1

Client Sample ID: MW-05

Date Collected: 05/11/17 11:05
Date Received: 05/11/17 16:18

Lab Sample ID: 500-127869-10

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 14:07	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 14:07	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 14:07	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*05/22/17 14:07*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/22/17 14:07*	*1*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*05/22/17 14:07*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/22/17 14:07*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:43	1
Arsenic	**0.0035**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:43	1
Barium	**0.039**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:43	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:43	1
Boron	**3.5**		0.50		mg/L		05/19/17 13:12	05/19/17 18:14	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:43	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:43	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:43	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:43	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 14:43	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:43	1
Manganese	**0.052**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:43	1
Nickel	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:43	1
Selenium	**0.0034**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:43	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:43	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:43	1
Vanadium	**0.0099**		0.0050		mg/L		05/19/17 13:12	05/19/17 14:43	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:33	1
Sulfate	**470**		100		mg/L			05/16/17 07:29	20
Chloride	**86**		10		mg/L			05/12/17 01:26	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**1000**		10		mg/L			05/12/17 03:30	1
Fluoride	**0.40**		0.10		mg/L			05/18/17 20:04	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/17 17:45	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 19:23	1

Client Sample ID: MW-06

Date Collected: 05/11/17 12:50
Date Received: 05/11/17 16:18

Lab Sample ID: 500-127869-11

Matrix: Water

6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 14:34	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 14:34	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 14:34	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*05/22/17 14:34*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*05/22/17 14:34*	*1*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*		*05/22/17 14:34*	*1*
Dibromofluoromethane	*100*		*75 - 120*		*05/22/17 14:34*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 14:47	1
Arsenic	**0.0011**		0.0010		mg/L		05/19/17 13:12	05/19/17 14:47	1
Barium	**0.055**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:47	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:47	1
Boron	**3.0**	**F1**	0.50		mg/L		05/19/17 13:12	05/19/17 18:17	10
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:47	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:47	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 14:47	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:47	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 14:47	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:47	1
Manganese	**0.049**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:47	1
Nickel	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:47	1
Selenium	**0.0047**		0.0025		mg/L		05/19/17 13:12	05/19/17 14:47	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 14:47	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 14:47	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 14:47	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 14:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:51	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:34	1
Sulfate	**280**		50		mg/L			05/16/17 07:30	10
Chloride	**89**		10		mg/L			05/12/17 01:26	5
Nitrogen, Nitrate	**0.60**		0.10		mg/L			05/23/17 02:12	1
Total Dissolved Solids	**650**		10		mg/L			05/12/17 03:33	1
Fluoride	**0.30**		0.10		mg/L			05/18/17 20:06	1
Nitrogen, Nitrite	**0.15**		0.040		mg/L			05/12/17 17:45	2
Nitrogen, Nitrate Nitrite	**0.75**		0.10		mg/L			05/21/17 19:25	1

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

TestAmerica Job ID: 500-127869-1

Client Sample ID: Trip Blank
Date Collected: 05/09/17 00:00
Date Received: 05/11/17 16:18

Lab Sample ID: 500-127869-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 12:46	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 12:46	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 12:46	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*05/22/17 12:46*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*05/22/17 12:46*	*1*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*		*05/22/17 12:46*	*1*
Dibromofluoromethane	*99*		*75 - 120*		*05/22/17 12:46*	*1*

Qualifiers

Metals

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

General Chemistry

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

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Glossary

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

GC/MS VOA

Analysis Batch: 385969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Total/NA	Water	8260B	
500-127869-2	MW-08	Total/NA	Water	8260B	
500-127869-3	MW-09	Total/NA	Water	8260B	
MB 500-385969/6	Method Blank	Total/NA	Water	8260B	
LCS 500-385969/4	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 386094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-4	DUPLICATE	Total/NA	Water	8260B	
500-127869-5	MW-01	Total/NA	Water	8260B	
500-127869-6	MW-02	Total/NA	Water	8260B	
500-127869-7	MW-10	Total/NA	Water	8260B	
MB 500-386094/6	Method Blank	Total/NA	Water	8260B	
LCS 500-386094/4	Lab Control Sample	Total/NA	Water	8260B	
500-127869-7 MS	MW-10	Total/NA	Water	8260B	
500-127869-7 MSD	MW-10	Total/NA	Water	8260B	

Analysis Batch: 386188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-8	MW-03	Total/NA	Water	8260B	
500-127869-9	MW-04	Total/NA	Water	8260B	
500-127869-10	MW-05	Total/NA	Water	8260B	
500-127869-11	MW-06	Total/NA	Water	8260B	
500-127869-12	Trip Blank	Total/NA	Water	8260B	
MB 500-386188/6	Method Blank	Total/NA	Water	8260B	
LCS 500-386188/4	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 165953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Total/NA	Water	314.0	
500-127869-2	MW-08	Total/NA	Water	314.0	
500-127869-3	MW-09	Total/NA	Water	314.0	
500-127869-4	DUPLICATE	Total/NA	Water	314.0	
500-127869-5	MW-01	Total/NA	Water	314.0	
500-127869-6	MW-02	Total/NA	Water	314.0	
500-127869-7	MW-10	Total/NA	Water	314.0	
500-127869-8	MW-03	Total/NA	Water	314.0	
500-127869-9	MW-04	Total/NA	Water	314.0	
500-127869-10	MW-05	Total/NA	Water	314.0	
500-127869-11	MW-06	Total/NA	Water	314.0	
MB 320-165953/13	Method Blank	Total/NA	Water	314.0	
LCS 320-165953/14	Lab Control Sample	Total/NA	Water	314.0	
MRL 320-165953/12	Lab Control Sample	Total/NA	Water	314.0	
500-127869-2 MS	MW-08	Total/NA	Water	314.0	
500-127869-2 MSD	MW-08	Total/NA	Water	314.0	

Metals

Prep Batch: 384970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	7470A	
500-127869-2	MW-08	Dissolved	Water	7470A	
500-127869-3	MW-09	Dissolved	Water	7470A	
500-127869-4	DUPLICATE	Dissolved	Water	7470A	
500-127869-5	MW-01	Dissolved	Water	7470A	
500-127869-6	MW-02	Dissolved	Water	7470A	
500-127869-7	MW-10	Dissolved	Water	7470A	
500-127869-8	MW-03	Dissolved	Water	7470A	
500-127869-9	MW-04	Dissolved	Water	7470A	
500-127869-10	MW-05	Dissolved	Water	7470A	
500-127869-11	MW-06	Dissolved	Water	7470A	
MB 500-384970/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-384970/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-127869-1 MS	MW-07	Dissolved	Water	7470A	
500-127869-1 MSD	MW-07	Dissolved	Water	7470A	
500-127869-1 DU	MW-07	Dissolved	Water	7470A	

Analysis Batch: 385234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	7470A	384970
500-127869-2	MW-08	Dissolved	Water	7470A	384970
500-127869-3	MW-09	Dissolved	Water	7470A	384970
500-127869-4	DUPLICATE	Dissolved	Water	7470A	384970
500-127869-5	MW-01	Dissolved	Water	7470A	384970
500-127869-6	MW-02	Dissolved	Water	7470A	384970
500-127869-7	MW-10	Dissolved	Water	7470A	384970
500-127869-8	MW-03	Dissolved	Water	7470A	384970
500-127869-9	MW-04	Dissolved	Water	7470A	384970
500-127869-10	MW-05	Dissolved	Water	7470A	384970
500-127869-11	MW-06	Dissolved	Water	7470A	384970
MB 500-384970/12-A	Method Blank	Total/NA	Water	7470A	384970
LCS 500-384970/13-A	Lab Control Sample	Total/NA	Water	7470A	384970
500-127869-1 MS	MW-07	Dissolved	Water	7470A	384970
500-127869-1 MSD	MW-07	Dissolved	Water	7470A	384970
500-127869-1 DU	MW-07	Dissolved	Water	7470A	384970

Prep Batch: 385988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	Soluble Metals	
500-127869-2	MW-08	Dissolved	Water	Soluble Metals	
500-127869-3	MW-09	Dissolved	Water	Soluble Metals	
500-127869-4	DUPLICATE	Dissolved	Water	Soluble Metals	
500-127869-5	MW-01	Dissolved	Water	Soluble Metals	
500-127869-6	MW-02	Dissolved	Water	Soluble Metals	
500-127869-7	MW-10	Dissolved	Water	Soluble Metals	
500-127869-8	MW-03	Dissolved	Water	Soluble Metals	
500-127869-9	MW-04	Dissolved	Water	Soluble Metals	
500-127869-10	MW-05	Dissolved	Water	Soluble Metals	
500-127869-11	MW-06	Dissolved	Water	Soluble Metals	
MB 500-385988/1-A	Method Blank	Soluble	Water	Soluble Metals	
LCS 500-385988/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	

Metals (Continued)

Prep Batch: 385988 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-11 MS	MW-06	Dissolved	Water	Soluble Metals	
500-127869-11 MSD	MW-06	Dissolved	Water	Soluble Metals	
500-127869-11 DU	MW-06	Dissolved	Water	Soluble Metals	

Analysis Batch: 386039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	6020A	385988
500-127869-2	MW-08	Dissolved	Water	6020A	385988
500-127869-3	MW-09	Dissolved	Water	6020A	385988
500-127869-4	DUPLICATE	Dissolved	Water	6020A	385988
500-127869-5	MW-01	Dissolved	Water	6020A	385988
500-127869-6	MW-02	Dissolved	Water	6020A	385988
500-127869-7	MW-10	Dissolved	Water	6020A	385988
500-127869-8	MW-03	Dissolved	Water	6020A	385988
500-127869-9	MW-04	Dissolved	Water	6020A	385988
500-127869-10	MW-05	Dissolved	Water	6020A	385988
500-127869-11	MW-06	Dissolved	Water	6020A	385988
MB 500-385988/1-A	Method Blank	Soluble	Water	6020A	385988
LCS 500-385988/2-A	Lab Control Sample	Soluble	Water	6020A	385988
500-127869-11 MS	MW-06	Dissolved	Water	6020A	385988
500-127869-11 MSD	MW-06	Dissolved	Water	6020A	385988
500-127869-11 DU	MW-06	Dissolved	Water	6020A	385988

Analysis Batch: 386243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	6020A	385988
500-127869-2	MW-08	Dissolved	Water	6020A	385988
500-127869-3	MW-09	Dissolved	Water	6020A	385988
500-127869-4	DUPLICATE	Dissolved	Water	6020A	385988
500-127869-5	MW-01	Dissolved	Water	6020A	385988
500-127869-6	MW-02	Dissolved	Water	6020A	385988
500-127869-7	MW-10	Dissolved	Water	6020A	385988
500-127869-8	MW-03	Dissolved	Water	6020A	385988
500-127869-9	MW-04	Dissolved	Water	6020A	385988
500-127869-10	MW-05	Dissolved	Water	6020A	385988
500-127869-11	MW-06	Dissolved	Water	6020A	385988
MB 500-385988/1-A	Method Blank	Soluble	Water	6020A	385988
LCS 500-385988/2-A	Lab Control Sample	Soluble	Water	6020A	385988
500-127869-11 MS	MW-06	Dissolved	Water	6020A	385988
500-127869-11 MSD	MW-06	Dissolved	Water	6020A	385988
500-127869-11 DU	MW-06	Dissolved	Water	6020A	385988

General Chemistry

Analysis Batch: 384759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-127869-2	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-127869-3	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-127869-4	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	

General Chemistry (Continued)

Analysis Batch: 384759 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-384759/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-384759/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 384862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	9251	
500-127869-2	MW-08	Dissolved	Water	9251	
500-127869-3	MW-09	Dissolved	Water	9251	
500-127869-4	DUPLICATE	Dissolved	Water	9251	
500-127869-5	MW-01	Dissolved	Water	9251	
500-127869-6	MW-02	Dissolved	Water	9251	
500-127869-7	MW-10	Dissolved	Water	9251	
500-127869-8	MW-03	Dissolved	Water	9251	
500-127869-9	MW-04	Dissolved	Water	9251	
500-127869-10	MW-05	Dissolved	Water	9251	
500-127869-11	MW-06	Dissolved	Water	9251	
MB 500-384862/4	Method Blank	Total/NA	Water	9251	
LCS 500-384862/5	Lab Control Sample	Total/NA	Water	9251	
500-127869-3 MS	MW-09	Dissolved	Water	9251	
500-127869-3 MSD	MW-09	Dissolved	Water	9251	

Analysis Batch: 384863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	SM 2540C	
500-127869-2	MW-08	Dissolved	Water	SM 2540C	
500-127869-3	MW-09	Dissolved	Water	SM 2540C	
500-127869-4	DUPLICATE	Dissolved	Water	SM 2540C	
500-127869-5	MW-01	Dissolved	Water	SM 2540C	
500-127869-6	MW-02	Dissolved	Water	SM 2540C	
500-127869-7	MW-10	Dissolved	Water	SM 2540C	
500-127869-8	MW-03	Dissolved	Water	SM 2540C	
500-127869-9	MW-04	Dissolved	Water	SM 2540C	
500-127869-10	MW-05	Dissolved	Water	SM 2540C	
500-127869-11	MW-06	Dissolved	Water	SM 2540C	
MB 500-384863/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-384863/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-127869-1 DU	MW-07	Dissolved	Water	SM 2540C	

Analysis Batch: 384929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-5	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-127869-6	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-127869-7	MW-10	Dissolved	Water	SM 4500 NO2 B	
MB 500-384929/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-384929/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-127869-6 MS	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-127869-6 MSD	MW-02	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 385354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	9038	

General Chemistry (Continued)

Analysis Batch: 385354 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-2	MW-08	Dissolved	Water	9038	
500-127869-3	MW-09	Dissolved	Water	9038	
500-127869-4	DUPLICATE	Dissolved	Water	9038	
500-127869-5	MW-01	Dissolved	Water	9038	
500-127869-6	MW-02	Dissolved	Water	9038	
500-127869-7	MW-10	Dissolved	Water	9038	
500-127869-8	MW-03	Dissolved	Water	9038	
500-127869-9	MW-04	Dissolved	Water	9038	
500-127869-10	MW-05	Dissolved	Water	9038	
500-127869-11	MW-06	Dissolved	Water	9038	
MB 500-385354/3	Method Blank	Total/NA	Water	9038	
LCS 500-385354/4	Lab Control Sample	Total/NA	Water	9038	

Analysis Batch: 385367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-8	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-127869-9	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-127869-10	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-127869-11	MW-06	Dissolved	Water	SM 4500 NO2 B	
MB 500-385367/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-385367/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Prep Batch: 385376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	9010B	
500-127869-2	MW-08	Dissolved	Water	9010B	
500-127869-3	MW-09	Dissolved	Water	9010B	
500-127869-4	DUPLICATE	Dissolved	Water	9010B	
500-127869-5	MW-01	Dissolved	Water	9010B	
500-127869-6	MW-02	Dissolved	Water	9010B	
500-127869-7	MW-10	Dissolved	Water	9010B	
500-127869-8	MW-03	Dissolved	Water	9010B	
500-127869-9	MW-04	Dissolved	Water	9010B	
500-127869-10	MW-05	Dissolved	Water	9010B	
500-127869-11	MW-06	Dissolved	Water	9010B	
MB 500-385376/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-385376/2-A	Lab Control Sample	Total/NA	Water	9010B	

Analysis Batch: 385613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	9014	385376
500-127869-2	MW-08	Dissolved	Water	9014	385376
500-127869-3	MW-09	Dissolved	Water	9014	385376
500-127869-4	DUPLICATE	Dissolved	Water	9014	385376
500-127869-5	MW-01	Dissolved	Water	9014	385376
500-127869-6	MW-02	Dissolved	Water	9014	385376
500-127869-7	MW-10	Dissolved	Water	9014	385376
500-127869-8	MW-03	Dissolved	Water	9014	385376
500-127869-9	MW-04	Dissolved	Water	9014	385376
500-127869-10	MW-05	Dissolved	Water	9014	385376
500-127869-11	MW-06	Dissolved	Water	9014	385376

General Chemistry (Continued)

Analysis Batch: 385613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-385376/1-A	Method Blank	Total/NA	Water	9014	385376
LCS 500-385376/2-A	Lab Control Sample	Total/NA	Water	9014	385376

Analysis Batch: 385934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	SM 4500 F C	
500-127869-2	MW-08	Dissolved	Water	SM 4500 F C	
500-127869-3	MW-09	Dissolved	Water	SM 4500 F C	
500-127869-4	DUPLICATE	Dissolved	Water	SM 4500 F C	
500-127869-5	MW-01	Dissolved	Water	SM 4500 F C	
500-127869-6	MW-02	Dissolved	Water	SM 4500 F C	
500-127869-7	MW-10	Dissolved	Water	SM 4500 F C	
500-127869-8	MW-03	Dissolved	Water	SM 4500 F C	
500-127869-9	MW-04	Dissolved	Water	SM 4500 F C	
500-127869-10	MW-05	Dissolved	Water	SM 4500 F C	
500-127869-11	MW-06	Dissolved	Water	SM 4500 F C	
MB 500-385934/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-385934/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
500-127869-2 MS	MW-08	Dissolved	Water	SM 4500 F C	
500-127869-2 MSD	MW-08	Dissolved	Water	SM 4500 F C	

Analysis Batch: 386169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-127869-2	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-127869-3	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-127869-4	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
500-127869-5	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-127869-6	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-127869-7	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-127869-8	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-127869-9	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-127869-10	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-127869-11	MW-06	Dissolved	Water	SM 4500 NO3 F	
MB 500-386169/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-386169/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-127869-4 MS	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
500-127869-4 MSD	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	

Analysis Batch: 386377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-1	MW-07	Dissolved	Water	Nitrate by calc	
500-127869-2	MW-08	Dissolved	Water	Nitrate by calc	
500-127869-3	MW-09	Dissolved	Water	Nitrate by calc	
500-127869-4	DUPLICATE	Dissolved	Water	Nitrate by calc	
500-127869-5	MW-01	Dissolved	Water	Nitrate by calc	
500-127869-6	MW-02	Dissolved	Water	Nitrate by calc	
500-127869-7	MW-10	Dissolved	Water	Nitrate by calc	
500-127869-8	MW-03	Dissolved	Water	Nitrate by calc	
500-127869-9	MW-04	Dissolved	Water	Nitrate by calc	
500-127869-10	MW-05	Dissolved	Water	Nitrate by calc	

General Chemistry (Continued)

Analysis Batch: 386377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127869-11	MW-06	Dissolved	Water	Nitrate by calc	

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Surrogate Summary

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

TestAmerica Job ID: 500-127869-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	12DCE (75-126)	TOL (75-120)	BFB (72-124)	DBFM (75-120)
500-127869-1	MW-07	102	92	95	94
500-127869-2	MW-08	104	91	94	96
500-127869-3	MW-09	105	91	95	97
500-127869-4	DUPLICATE	95	95	94	100
500-127869-5	MW-01	94	95	95	99
500-127869-6	MW-02	98	94	97	103
500-127869-7	MW-10	99	94	95	103
500-127869-7 MS	MW-10	92	97	94	96
500-127869-7 MSD	MW-10	93	96	94	98
500-127869-8	MW-03	114	104	113	97
500-127869-9	MW-04	115	104	115	99
500-127869-10	MW-05	118	104	117	99
500-127869-11	MW-06	118	103	114	100
500-127869-12	Trip Blank	115	105	118	99
LCS 500-385969/4	Lab Control Sample	102	93	89	97
LCS 500-386094/4	Lab Control Sample	88	98	92	94
LCS 500-386188/4	Lab Control Sample	116	104	113	100
MB 500-385969/6	Method Blank	106	90	94	96
MB 500-386094/6	Method Blank	93	96	95	97
MB 500-386188/6	Method Blank	118	104	115	98

Surrogate Legend

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

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

Lab Sample ID: MB 500-385969/6
Matrix: Water
Analysis Batch: 385969

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/19/17 21:46	1
Toluene	<0.00050		0.00050		mg/L			05/19/17 21:46	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/19/17 21:46	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/19/17 21:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 126*		*05/19/17 21:46*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*05/19/17 21:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*		*05/19/17 21:46*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*05/19/17 21:46*	*1*

Lab Sample ID: LCS 500-385969/4
Matrix: Water
Analysis Batch: 385969

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	0.0421		mg/L		84	70 - 120
Toluene	0.0500	0.0414		mg/L		83	70 - 125
Ethylbenzene	0.0500	0.0426		mg/L		85	70 - 120
Xylenes, Total	0.100	0.0817		mg/L		82	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 126*
Toluene-d8 (Surr)	*93*		*75 - 120*
4-Bromofluorobenzene (Surr)	*89*		*72 - 124*
Dibromofluoromethane	*97*		*75 - 120*

Lab Sample ID: MB 500-386094/6
Matrix: Water
Analysis Batch: 386094

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/20/17 11:27	1
Toluene	<0.00050		0.00050		mg/L			05/20/17 11:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/20/17 11:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/20/17 11:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*		*05/20/17 11:27*	*1*
Toluene-d8 (Surr)	*96*		*75 - 120*		*05/20/17 11:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 124*		*05/20/17 11:27*	*1*
Dibromofluoromethane	*97*		*75 - 120*		*05/20/17 11:27*	*1*

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

Lab Sample ID: LCS 500-386094/4
Matrix: Water
Analysis Batch: 386094

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	0.0448		mg/L		90	70 - 120
Toluene	0.0500	0.0473		mg/L		95	70 - 125
Ethylbenzene	0.0500	0.0491		mg/L		98	70 - 120
Xylenes, Total	0.100	0.0931		mg/L		93	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 126*
Toluene-d8 (Surr)	*98*		*75 - 120*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*
Dibromofluoromethane	*94*		*75 - 120*

Lab Sample ID: 500-127869-7 MS
Matrix: Water
Analysis Batch: 386094

Client Sample ID: MW-10
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	0.0444		mg/L		89	70 - 120
Toluene	<0.00050		0.0500	0.0456		mg/L		91	70 - 125
Ethylbenzene	<0.00050		0.0500	0.0470		mg/L		94	70 - 120
Xylenes, Total	<0.0010		0.100	0.0893		mg/L		89	70 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 126*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*96*		*75 - 120*

Lab Sample ID: 500-127869-7 MSD
Matrix: Water
Analysis Batch: 386094

Client Sample ID: MW-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0455		mg/L		91	70 - 120	2	20
Toluene	<0.00050		0.0500	0.0454		mg/L		91	70 - 125	0	20
Ethylbenzene	<0.00050		0.0500	0.0468		mg/L		94	70 - 120	1	20
Xylenes, Total	<0.0010		0.100	0.0899		mg/L		90	70 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*94*		*72 - 124*
Dibromofluoromethane	*98*		*75 - 120*

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

Lab Sample ID: MB 500-386188/6
Matrix: Water
Analysis Batch: 386188

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/22/17 12:18	1
Toluene	<0.00050		0.00050		mg/L			05/22/17 12:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/22/17 12:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/22/17 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*05/22/17 12:18*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*05/22/17 12:18*	*1*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*		*05/22/17 12:18*	*1*
Dibromofluoromethane	*98*		*75 - 120*		*05/22/17 12:18*	*1*

Lab Sample ID: LCS 500-386188/4
Matrix: Water
Analysis Batch: 386188

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	0.0463		mg/L		93	70 - 120
Toluene	0.0500	0.0497		mg/L		99	70 - 125
Ethylbenzene	0.0500	0.0495		mg/L		99	70 - 120
Xylenes, Total	0.100	0.0998		mg/L		100	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*
Dibromofluoromethane	*100*		*75 - 120*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-165953/13
Matrix: Water
Analysis Batch: 165953

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/22/17 17:25	1

Lab Sample ID: LCS 320-165953/14
Matrix: Water
Analysis Batch: 165953

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	0.0525		mg/L		105	85 - 115

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-165953/12
Matrix: Water
Analysis Batch: 165953

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	4.04		ug/L		101	75 - 125

Lab Sample ID: 500-127869-2 MS
Matrix: Water
Analysis Batch: 165953

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	<0.0040		0.0500	0.0530		mg/L		106	80 - 120

Lab Sample ID: 500-127869-2 MSD
Matrix: Water
Analysis Batch: 165953

Client Sample ID: MW-08
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	<0.0040		0.0500	0.0562		mg/L		112	80 - 120	6	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-127869-11 MS
Matrix: Water
Analysis Batch: 386039

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.507		mg/L		101	75 - 125
Arsenic	0.0011		0.100	0.104		mg/L		103	75 - 125
Barium	0.055		0.500	0.552		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0492		mg/L		98	75 - 125
Cadmium	<0.00050		0.0500	0.0509		mg/L		102	75 - 125
Chromium	<0.0050		0.200	0.193		mg/L		96	75 - 125
Cobalt	<0.0010		0.500	0.475		mg/L		95	75 - 125
Copper	<0.0020		0.250	0.251		mg/L		100	75 - 125
Iron	<0.10		1.00	1.01		mg/L		101	75 - 125
Lead	<0.00050		0.100	0.0985		mg/L		98	75 - 125
Manganese	0.049		0.500	0.532		mg/L		97	75 - 125
Nickel	<0.0020		0.500	0.480		mg/L		96	75 - 125
Selenium	0.0047		0.100	0.109		mg/L		104	75 - 125
Silver	<0.00050		0.0500	0.0407		mg/L		81	75 - 125
Thallium	<0.0020		0.100	0.0956		mg/L		96	75 - 125
Vanadium	<0.0050		0.500	0.482		mg/L		96	75 - 125
Zinc	<0.020		0.500	0.515		mg/L		103	75 - 125

Lab Sample ID: 500-127869-11 MS
Matrix: Water
Analysis Batch: 386243

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385988

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	3.0	F1	1.00	3.73		mg/L		76	75 - 125

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

Lab Sample ID: 500-127869-11 MSD
Matrix: Water
Analysis Batch: 386039

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.526		mg/L		105	75 - 125	4	20
Arsenic	0.0011		0.100	0.107		mg/L		106	75 - 125	3	20
Barium	0.055		0.500	0.574		mg/L		104	75 - 125	4	20
Beryllium	<0.0010		0.0500	0.0493		mg/L		99	75 - 125	0	20
Cadmium	<0.00050		0.0500	0.0523		mg/L		105	75 - 125	3	20
Chromium	<0.0050		0.200	0.201		mg/L		101	75 - 125	4	20
Cobalt	<0.0010		0.500	0.494		mg/L		99	75 - 125	4	20
Copper	<0.0020		0.250	0.259		mg/L		104	75 - 125	3	20
Iron	<0.10		1.00	1.05		mg/L		105	75 - 125	4	20
Lead	<0.00050		0.100	0.103		mg/L		103	75 - 125	4	20
Manganese	0.049		0.500	0.555		mg/L		101	75 - 125	4	20
Nickel	<0.0020		0.500	0.502		mg/L		100	75 - 125	4	20
Selenium	0.0047		0.100	0.113		mg/L		108	75 - 125	3	20
Silver	<0.00050		0.0500	0.0488		mg/L		98	75 - 125	18	20
Thallium	<0.0020		0.100	0.100		mg/L		100	75 - 125	5	20
Vanadium	<0.0050		0.500	0.504		mg/L		100	75 - 125	4	20
Zinc	<0.020		0.500	0.535		mg/L		107	75 - 125	4	20

Lab Sample ID: 500-127869-11 MSD
Matrix: Water
Analysis Batch: 386243

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385988

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	3.0	F1	1.00	3.67	F1	mg/L		71	75 - 125	1	20

Lab Sample ID: 500-127869-11 DU
Matrix: Water
Analysis Batch: 386039

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385988

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<0.0030			<0.0030		mg/L				NC	20
Arsenic	0.0011			0.00106		mg/L				3	20
Barium	0.055			0.0535		mg/L				2	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	0.049			0.0485		mg/L				2	20
Nickel	<0.0020			<0.0020		mg/L				NC	20
Selenium	0.0047			0.00478		mg/L				2	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

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

Lab Sample ID: 500-127869-11 DU — **Client Sample ID: MW-06**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 386243 — **Prep Batch: 385988**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Boron	3.0	F1	2.81		mg/L		5	20

Lab Sample ID: MB 500-385988/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 386039 — **Prep Batch: 385988**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/19/17 13:12	05/19/17 13:49	1
Arsenic	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 13:49	1
Barium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 13:49	1
Beryllium	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 13:49	1
Cadmium	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:49	1
Chromium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 13:49	1
Cobalt	<0.0010		0.0010		mg/L		05/19/17 13:12	05/19/17 13:49	1
Copper	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 13:49	1
Iron	<0.10		0.10		mg/L		05/19/17 13:12	05/19/17 13:49	1
Lead	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:49	1
Manganese	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 13:49	1
Nickel	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 13:49	1
Selenium	<0.0025		0.0025		mg/L		05/19/17 13:12	05/19/17 13:49	1
Silver	<0.00050		0.00050		mg/L		05/19/17 13:12	05/19/17 13:49	1
Thallium	<0.0020		0.0020		mg/L		05/19/17 13:12	05/19/17 13:49	1
Vanadium	<0.0050		0.0050		mg/L		05/19/17 13:12	05/19/17 13:49	1
Zinc	<0.020		0.020		mg/L		05/19/17 13:12	05/19/17 13:49	1

Lab Sample ID: MB 500-385988/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 386243 — **Prep Batch: 385988**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.050		0.050		mg/L		05/19/17 13:12	05/19/17 17:21	1

Lab Sample ID: LCS 500-385988/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 386039 — **Prep Batch: 385988**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.489		mg/L		98	80 - 120
Arsenic	0.100	0.0960		mg/L		96	80 - 120
Barium	0.500	0.494		mg/L		99	80 - 120
Beryllium	0.0500	0.0515		mg/L		103	80 - 120
Cadmium	0.0500	0.0508		mg/L		102	80 - 120
Chromium	0.200	0.209		mg/L		105	80 - 120
Cobalt	0.500	0.518		mg/L		104	80 - 120
Copper	0.250	0.250		mg/L		100	80 - 120
Iron	1.00	1.07		mg/L		107	80 - 120
Lead	0.100	0.103		mg/L		103	80 - 120
Manganese	0.500	0.522		mg/L		104	80 - 120
Nickel	0.500	0.532		mg/L		106	80 - 120

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

Lab Sample ID: LCS 500-385988/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 386039 — **Prep Batch: 385988**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.100	0.0970		mg/L		97	80 - 120
Silver	0.0500	0.0512		mg/L		102	80 - 120
Thallium	0.100	0.0999		mg/L		100	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.500	0.501		mg/L		100	80 - 120

Lab Sample ID: LCS 500-385988/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 386243 — **Prep Batch: 385988**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.00	1.04		mg/L		104	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-384970/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385234 — **Prep Batch: 384970**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/12/17 12:30	05/15/17 11:09	1

Lab Sample ID: LCS 500-384970/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385234 — **Prep Batch: 384970**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00167		mg/L		83	80 - 120

Lab Sample ID: 500-127869-1 MS — **Client Sample ID: MW-07**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 385234 — **Prep Batch: 384970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00100	0.000761		mg/L		76	75 - 125

Lab Sample ID: 500-127869-1 MSD — **Client Sample ID: MW-07**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 385234 — **Prep Batch: 384970**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00100	0.000806		mg/L		81	75 - 125	6	20

Lab Sample ID: 500-127869-1 DU — **Client Sample ID: MW-07**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 385234 — **Prep Batch: 384970**

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

Method: 9014 - Cyanide

Lab Sample ID: MB 500-385376/1-A
Matrix: Water
Analysis Batch: 385613

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/16/17 14:20	05/17/17 14:26	1

Lab Sample ID: LCS 500-385376/2-A
Matrix: Water
Analysis Batch: 385613

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.100	0.101		mg/L		101	80 - 120

10

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-385354/3
Matrix: Water
Analysis Batch: 385354

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/16/17 07:11	1

Lab Sample ID: LCS 500-385354/4
Matrix: Water
Analysis Batch: 385354

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	19.0		mg/L		95	80 - 120

Method: 9251 - Chloride

Lab Sample ID: MB 500-384862/4
Matrix: Water
Analysis Batch: 384862

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/12/17 01:07	1

Lab Sample ID: LCS 500-384862/5
Matrix: Water
Analysis Batch: 384862

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	49.6		mg/L		99	80 - 120

Lab Sample ID: 500-127869-3 MS
Matrix: Water
Analysis Batch: 384862

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	360		50.0	384	4	mg/L		48	75 - 125

Method: 9251 - Chloride (Continued)

Lab Sample ID: 500-127869-3 MSD — **Client Sample ID: MW-09**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 384862

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	360		50.0	389	4	mg/L		58	75 - 125	1	20

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

Lab Sample ID: MB 500-384863/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384863

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/12/17 02:47	1

Lab Sample ID: LCS 500-384863/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384863

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	284		mg/L		114	80 - 120

Lab Sample ID: 500-127869-1 DU — **Client Sample ID: MW-07**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 384863

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1500		1550		mg/L		4	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-385934/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/18/17 19:12	1

Lab Sample ID: LCS 500-385934/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.1		mg/L		101	80 - 120

Lab Sample ID: 500-127869-2 MS — **Client Sample ID: MW-08**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 385934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	0.34		5.00	5.01		mg/L		93	75 - 125

10

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: 500-127869-2 MSD — **Client Sample ID: MW-08**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 385934

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.34		5.00	5.09		mg/L		95	75 - 125	2	20

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-384759/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384759

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/10/17 16:38	1

Lab Sample ID: LCS 500-384759/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384759

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

Lab Sample ID: MB 500-384929/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384929

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/11/17 16:51	1

Lab Sample ID: LCS 500-384929/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 384929

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

Lab Sample ID: MB 500-385367/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/12/17 17:33	1

Lab Sample ID: LCS 500-385367/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 385367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	0.100	0.104		mg/L		104	80 - 120

10

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

Lab Sample ID: 500-127869-6 MS — **Client Sample ID: MW-02**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 384929

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.102		mg/L		102	75 - 125

Lab Sample ID: 500-127869-6 MSD — **Client Sample ID: MW-02**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 384929

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.108		mg/L		108	75 - 125	5	20

10

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-386169/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/21/17 18:51	1

Lab Sample ID: LCS 500-386169/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 386169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	0.986		mg/L		99	80 - 120

Lab Sample ID: 500-127869-4 MS — **Client Sample ID: DUPLICATE**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 386169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	<0.10		1.00	0.989		mg/L		94	75 - 125

Lab Sample ID: 500-127869-4 MSD — **Client Sample ID: DUPLICATE**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 386169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate Nitrite	<0.10		1.00	0.996		mg/L		94	75 - 125	1	20

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 60484
708-534-5200
Fax. 708-534-5211

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:	richardg@kprginc.com	PO #:	

Lab Lot # 500-127869

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No N/A

Temperature °C of Cooler 4.1 → 4.2

Within Hold Time	Preserv. Indicated
(Yes) No	(Yes) No N/A
pH Check OK	**Res CL_2 Check OK**
(Yes) No	(Yes) No N/A

Sample Labels and COC Agree
(Yes) No. COC not present

Sampler Name:	Client Project #	Refrg #	
Ian John Howleson	12313.3	# / Cont.	
Project Name:	**TestAmerica Project Number:**	**Volume**	
Will Co. Station Ash Ponds	50005079	**Preserv.**	7
Project Location:	**Date Required**		
Romeoville, IL	Hard Copy: ___/___/___		
Lab PM: Eric Lang	Fax: ___/___/___		

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	NO2
1		MW-07	5-9-17	12:50	W	1	X
2		MW-08	5-9-17	14:05	W	1	X
3		MW-09	5-9-17	15:43	W	1	X
4		DUPLICATE	5-9-17	—	W	1	X

Additional Analyses / Remarks

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
IJH	KPRG	5-9-17	18:15	FEDEX			
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
					TA	05/10/17	0905

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_2SO_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:

500-127869 COC

Date Received 05;10;17
Courier: FX
Hand Delivered ☐
Bill of Lading:

PAGE ___ of ___

STL-8208 (0600)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 60484
708-534-5200
Fax. 708-534-5211

Report To:		Bill To:
Contact:	Rich Gnat	Contact:
Company:	KPRG & Associates Inc.	Company:
Address:	14665 W. Lisbon Rd. Suite 2B	Address:
	Brookfield, WI	
Phone:	262-781-0475	Phone:
Fax:		Fax:
Email:	richardg@kprginc.com	PO #:

Lab Lot # 500-127869

Package Sealed	Samples Sealed
(Yes) No	Yes (No)
Received on Ice	**Samples Intact**
(Yes) No	(Yes) No N/A

Temperature °C of Cooler: 2.1 -72.2

Sampler Name:	Client Project #	Refrg #
Ian John Howleson	12313.3	# / Cont.
Project Name:	**TestAmerica Project Number:**	Volume
Will Co. Station Ash Ponds	50005079	Preserv. 4
Project Location:	**Date Required**	
Romeoville, IL	Hard Copy: ___/___/___	
Lab PM: Eric Lang	Fax: ___/___/___	

Within Hold Time	Preserv. Indicated
Yes No	(Yes) No N/A
pH Check OK	**Res Cl_2 Check OK**
(Yes) No	(Yes) No N/A

Sample Labels and COC Agree: (Yes) No COC not present

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	NO2	Additional Analyses / Remarks
5		MW-01	5-10-17	14:54	W	1	X	
6		MW-02	5-10-17	16:11	W	1	X	
7		MW-10	5-10-17	12:11	W	1	X	
		—	—	—	—	—	—	

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
IJH	KPRG	5-10-17	18:00	FEDEX			
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY: TA	DATE: 05/11/17	TIME: 0950

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_2SO_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:

500-127869 COC

Date Received: 05/11/17
Courier: FX
Hand Delivered: ☐
Bill of Lading:

PAGE 1 of 1

STL-8208 (0600)

MWG13-15_62526
5/25/2017

TestAmerica

THE LEADER IN ENVIRONMENTAL

TestAmerica Chicago
2417 Bond St.
University Park, IL 604
708-534-5200
Fax. 708-534-5211

500-127869 COC

Report To:		Bill To:	
Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc.	Company:	
Address:	14665 W. Lisbon Rd. Suite 2B	Address:	
	Brookfield, WI		
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:	richardg@kprginc.com	PO #:	

Lab Lot # 500-127869

Package Sealed: (Yes) No — Samples Sealed: Yes (No)

Received on Ice: (Yes) No — Samples Intact: (Yes) No N/A

Temperature °C of Cooler: 3.4, 4.3, 3.6

Within Hold Time: (Yes) No — Preserv. Indicated: (Yes) No N/A

pH Check OK: (Yes) No — Res CL_2 Check OK: Yes No (N/A)

Sample Labels and COC Agree: (Yes) No — COC not present

Sampler Name:	Client Project #	Refrg #										
Ian John Howleson	12313.3	# / Cont.										
Project Name:	TestAmerica Project Number:	Volume										
Will Co. Station Ash Ponds	50005079	Preserv.				7						
Project Location:	Date Required											
Romeoville, IL	Hard Copy: ___/___/___											
Lab PM: Eric Lang	Fax: ___/___/___											

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# Cont	Metals dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Additional Analyses / Remarks
5		MW-01	5-10-17	14:54	W	8	X	X	—	X	X	X	X	
6		MW-02	5-10-17	16:11	W	8	X	X	—	X	X	X	X	
8		MW-03	5-11-17	09:10	W	9	X	X	X	X	X	X	X	
9		MW-04	5-11-17	10:10	W	9	X	X	X	X	X	X	X	
10		MW-05	5-11-17	11:05	W	9	X	X	X	X	X	X	X	
11		MW-06	5-11-17	12:50	W	9	X	X	X	X	X	X	X	
1		MW-07	5-9-17	12:50	W	8	X	X	—	X	X	X	X	
2		MW-08	5-9-17	14:05	W	8	X	X	—	X	X	X	X	
3		MW-09	5-9-17	15:43	W	8	X	X	—	X	X	X	X	
7		MW-10	5-10-17	12:11	W	8	X	X	—	X	X	X	X	
~~12~~		~~MW-11~~	~~5-10-17~~	~~14:07~~	~~W~~		~~X~~	~~X~~	~~—~~	~~X~~	~~X~~	~~X~~	~~X~~	
4		Duplicates	5-9-17	N/A	W	8	X	X	—	X	X	X	X	
12-13		Trip Blank	N/A	N/A	W	2								

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
IJH	KPRG	5-11-17	16:18		TA-CHI	5/11/17	1618
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

Matrix Key

WW = Wastewater	SE = Sediment
W = Water	SO = Solid
S = Soil	DL = Drum Liquid
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A = Air	O = _____

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1. Plastic
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3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

_____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_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 ___/___/___

Courier:

Hand Delivered ☐

Bill of Lading:

PAGE 1 of 2

STL-8208 (0600) MWG13-15_62527

500-127869 Waybill

ORIGIN ID:DPAA (630) 325-1300
IAN JOHN HOWIESON
KRPG AND ASSOCIATES
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 09MAY17
ACTWGT: 12.00 LB
CAD: 6981054/SSF01801
DIMS: 21x13x11 IN

BILL THIRD PARTY

Part # 158297-435 RITZ EXP 04/18 ***

TO ERIC LANG
TESTAMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-6200 REF:
INV:
PO:
DEPT:

FedEx Express

WED - 10 MAY 3:00P
STANDARD OVERNIGHT

TRK# 0201 7865 1573 0209

79 JOTA

60484
IL-US ORD

RT 519
ST 24
5
16:00 A
0209
05.10

500-127869 Waybill

ORIGIN ID:DPAA (630) 325-1300
IAN JOHN HOWIESON

414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

SHIP DATE: 10MAY17
ACTWGT: 22.50 LB
CAD: 6990843/SSFO1801
DIMS: 21x11x16 IN

BILL THIRD PARTY

TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 534-5200 REF:
INV:
PO: DEPT:

FedEx
Express

E

REL#
3765346

THU - 11 MAY 3:00P
STANDARD OVERNIGHT

TRK# 0201 7865 2972 6100

79 JOTA

60484
IL-US ORD

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

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sample	Lab PM: Lang, Eric A	Carrier Tracking No(s)	COC No: 500-87224 1
Client Contact: Shipping/Receiving	Phone	E-Mail: eric.lang@testamericainc.com	State of Origin: Illinois	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc		Accred tations Required (See note): NELAP - Illinois		Job #: 500-127869-1
Address: 880 Riverside Parkway,	Due Date Requested: 5/23/2017			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email:	WO #			
Project Name: Will Co. Station Asn Ponds	Project #: 50005079			
Site: NRG Midwest Generation Will County	SSOW#			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Wastetoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	314.0; Perchlorate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-07 (500-127869-1)	5/9/17	12:50 Central		Water			X	1	
MW-08 (500-127869-2)	5/9/17	14:05 Central		Water			X	1	
MW-09 (500-127869-3)	5/9/17	15:43 Central		Water			X	1	
DUPLICATE (500-127869-4)	5/9/17	Central		Water			X	1	
MW-01 (500-127869-5)	5/10/17	14:54 Central		Water			X	1	
MW-02 (500-127869-6)	5/10/17	16:11 Central		Water			X	1	
MW-10 (500-127869-7)	5/10/17	12:11 Central		Water			X	1	
MW-03 (500-127869-8)	5/11/17	09:10 Central		Water			X	1	
MW-04 (500-127869-9)	5/11/17	10:10 Central		Water			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed

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

Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: [signature]	5/12/17 1515	TA-CHI	[signature]	5/13/17 1130	TAUS
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.2

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MW113555225 5/25/2017

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

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)	Sampler	Lab PM: Lang, Eric A	Carrier Tracking No(s)	COC No: 500-87224.2
Client Contact: Shipping/Receiving	Phone	E-Mail: eric.lang@testamericainc.com	State of Origin: Illinois	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - Illinois		Job #: 500-127869-1
Address: 880 Riverside Parkway,	Due Date Requested: 5/23/2017			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #			
Email	WO #			
Project Name: Will Co. Station Ash Ponds	Project #: 50005079			
Site: NRG Midwest Generation Will County	SSOW#			

Analysis Requested

Preservation Codes:

A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	314.0/ Perchlorate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-05 (500-127869-10)	5/11/17	11:05 Central		Water			X	1	
MW-06 (500-127869-11)	5/11/17	12:50 Central		Water			X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) — Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Eileen Scott	5/12/17 1515	TAL-CHI		5/13/17 1130	TAL
2	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
3	Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No — Custody Seal No.: — Cooler Temperature(s) °C and Other Remarks: 2.2

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-127869-1

Login Number: 127869
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

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.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.2,2.2,3.4,4.3,3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

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Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-127869-1

Login Number: 127869
List Number: 2
Creator: Edman, Connor M

List Source: TestAmerica Sacramento
List Creation: 05/15/17 10:43 AM

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	060883
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	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	headspace for 314
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	

Accreditation/Certification Summary

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

TestAmerica Job ID: 500-127869-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-18

Laboratory: TestAmerica Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	200060	03-17-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
314.0		Water	Perchlorate

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