

QUARTERLY GROUNDWATER MONITORING REPORT
POWERTON GENERATING STATION

April 13, 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 FEDERAL EXPRESS

Re: Quarterly Groundwater Monitoring Results – First Quarter 2017
Powerton Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00057; ID# 6282

Dear Ms. Rhodes:

The first quarterly groundwater sampling for 2017 has been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Powerton Generating Station in accordance with the Compliance Commitment Agreement (CCA) with Illinois Environmental Protection Agency (IEPA) dated October 24, 2012. This quarterly monitoring report summarizes the results of the monitoring event.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at the Powerton facility consists of sixteen wells (MW-1 through MW-16) 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). All wells were found in good condition with locked protector casings and the concrete surface seals were intact.

Groundwater samples at well locations MW-1 through MW-16 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. As noted in previous submittals, monitoring wells MW-6, MW-8, MW-12, MW-14 and MW-15 are screened within a shallow, localized, saturated clay/silt unit which is underlain by a more extensive sand unit. The remaining eleven monitoring wells have deeper screens, within the more extensive sand unit. The water levels from wells screened in the clay/silt unit and the water levels from monitoring wells screened within the sand unit were evaluated separately and used to generate groundwater flow maps for each unit. It is noted that water levels from additional monitoring wells screened within the deeper sand unit that are not part of the standard CCA monitoring were also used to provide a clearer definition of flow conditions within that unit (Figure 3). These maps are provided on Figures 2 and 3. The water elevation data within the clay/silt unit indicates localized groundwater flow in a westerly direction (Figure 2). Groundwater flow within the more extensive sand unit shows some divergent flow (Figure 3). Groundwater flow beneath the ash surge basin is in a west to northwesterly direction. Beneath the former ash basin, there is a flattening of the hydraulic gradient and the groundwater flow direction ranges from northeasterly to northwesterly.

Summary of Analytical Data

A copy of the analytical data package is provided in Attachment 1. The field parameter and groundwater analytical data from the most recent sampling, along with the previous eight quarters of data, are summarized in Table 2. The duplicate sample was collected from well MW-16. The trip blank showed no detectable contamination. The duplicate sample was analyzed and the relative percent difference for each detectable analyte was below +/- 30% which is within an acceptable range. 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.

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

Sincerely,

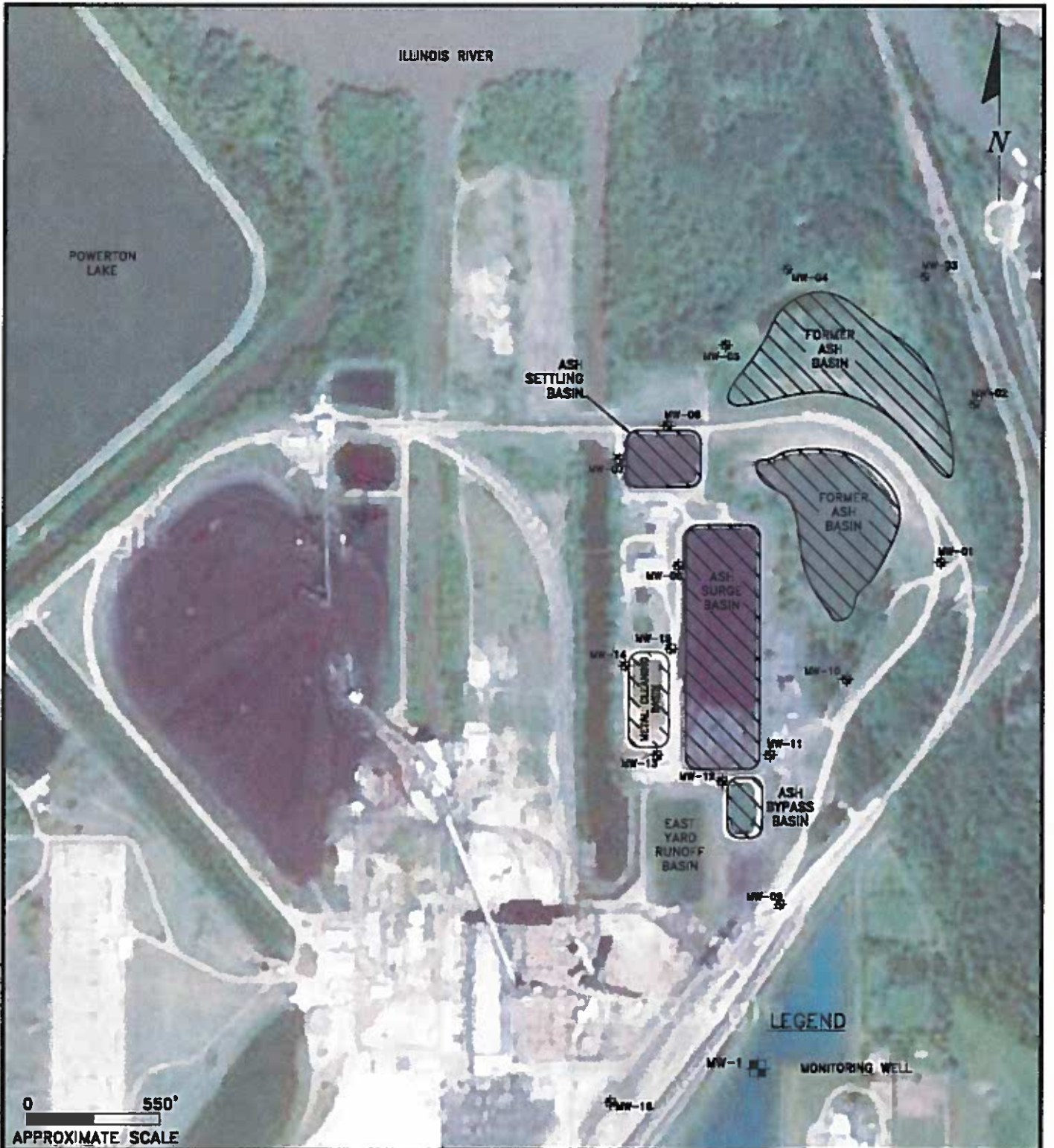


Dale Green
Station Manager

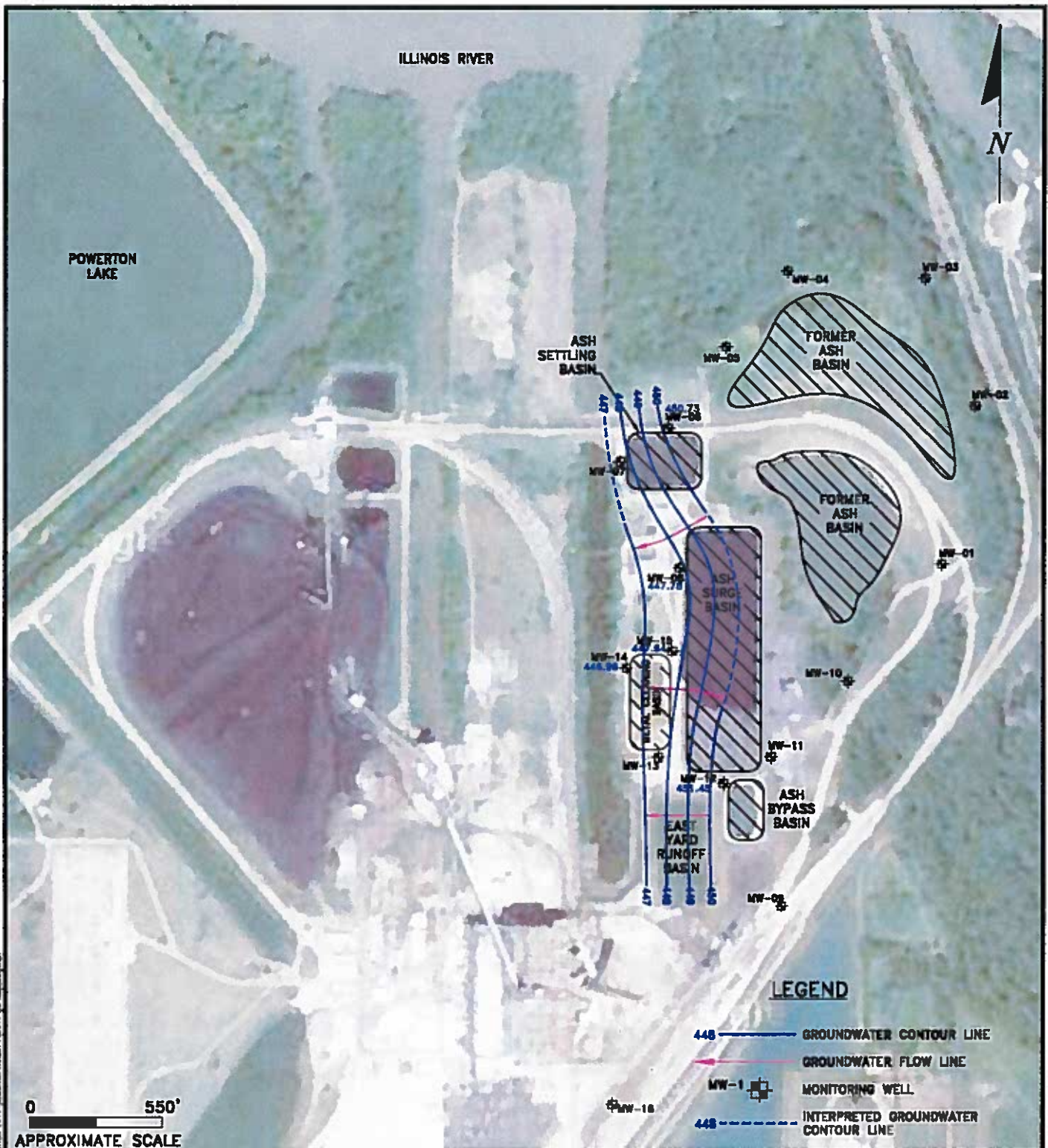
Attachments

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

FIGURES



ENVIRONMENTAL CONSULTATION & REMEDIATION K P R G	SITE MAP
KPRC and Associates, Inc. 14655 West Lisbon Road, Suite 28 Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478	POWERTON STATION PEKIN, ILLINOIS
414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593	Scale: 1" = 550' Date: January 23, 2015 <small>MW-15 15-02215</small>
	KPRG Project No. 12313.1 FIGURE 1



0 550'
 APPROXIMATE SCALE

LEGEND

- 448 ——— GROUNDWATER CONTOUR LINE
- GROUNDWATER FLOW LINE
- MW-1 [Symbol] MONITORING WELL
- 448 - - - - - INTERPRETED GROUNDWATER CONTOUR LINE

ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G KPRG and Associates, Inc.

14665 West Lisbon Road, Suite 28 Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478
 414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593

GROUNDWATER CONTOUR MAP FOR SILT/CLAY UNIT 02/2017

POWERTON STATION
 PEKIN, ILLINOIS

Scale: 1" = 550' Date: April 4, 2017

KPRG Project No. 12313.1 mwd-13-15-0220 2

KPRG and Associates, Inc. 12313.1 mwd-13-15-0220 2

TABLES

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

Well ID	Date	Top of Casing 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	2/23/2015	465 06	461 67	441 45	441 45	430 96	23 61	23 61	34 10
	5/11/2015	465 06	461 67	441 72	441 73	430 96	23 34	23 33	34 10
	8/18/2015	465 06	461 67	443 73	443 73	430 96	21 33	21 33	34 10
	11/16/2015	465 06	461 67	439 02	439 04	430 96	26 04	26 02	34 10
	2/22/2016	465 24	462 01	443 34	443 04	431 14	21 90	22 20	34 10
	5/16/2016	465 24	462 01	443 41	443 76	431 14	21 83	21 48	34 10
	8/15/2016	465 24	462 01	441 35	441 37	431 14	23 89	23 87	34 10
	11/14/2016	465 24	462 01	441 86	441 75	431 14	23 38	23 49	34 10
	2/13/2017	465 24	462 01	443 53	443 46	431 14	21 71	21 78	34 10
MW-02	2/25/2015	462 42	459 25	435 54	435 53	425 31	26 88	26 89	37 11
	5/13/2015	462 42	459 25	440 57	440 59	425 31	21 85	21 83	37 11
	8/17/2015	462 42	459 25	438 03	438 02	425 31	24 39	24 40	37 11
	11/16/2015	462 42	459 25	433 15	434 16	425 31	29 27	28 26	37 11
	2/22/2016	462 60	459 53	439 40	439 28	425 49	23 20	23 32	37 11
	5/16/2016	462 60	459 53	443 06	443 29	425 49	19 54	19 31	37 11
	8/15/2016	462 60	459 53	436 77	433 78	425 49	25 83	28 82	37 11
	11/14/2016	462 60	459 53	438 32	438 24	425 49	24 28	24 36	37 11
	2/13/2017	462 60	459 53	440 84	440 71	425 49	21 76	21 89	37 11
MW-03	2/25/2015	462 34	459 10	436 26	436 25	425 04	26 08	26 09	37 30
	5/13/2015	462 34	459 10	440 77	440 79	425 04	21 57	21 55	37 30
	8/17/2015	462 34	459 10	440 42	440 41	425 04	21 92	21 93	37 30
	11/16/2015	462 34	459 10	432 48	432 42	425 04	29 86	29 92	37 30
	2/22/2016	462 48	459 31	441 14	441 01	425 18	21 34	21 47	37 30
	5/16/2016	462 48	459 31	442 24	442 52	425 18	20 24	19 96	37 30
	8/15/2016	462 48	459 31	437 62	438 14	425 18	24 86	24 34	37 30
	11/14/2016	462 48	459 31	438 80	438 69	425 18	23 68	23 79	37 30
	2/13/2017	462 48	459 31	441 21	441 06	425 18	21 27	21 42	37 30
MW-04	2/25/2015	460 48	457 29	432 09	432 09	423 33	28 39	28 39	37 15
	5/13/2015	460 48	457 29	439 29	439 32	423 33	21 19	21 16	37 15
	8/17/2015	460 48	457 29	436 02	436 01	423 33	24 46	24 47	37 15
	11/16/2015	460 48	457 29	431 20	431 23	423 33	29 28	29 25	37 15
	2/22/2016	460 57	457 30	437 06	436 91	423 42	23 51	23 66	37 15
	5/16/2016	460 57	457 30	441 95	442 38	423 42	18 62	18 19	37 15
	8/15/2016	460 57	457 30	434 10	434 65	423 42	26 47	25 92	37 15
	11/14/2016	460 57	457 30	435 14	434 96	423 42	25 43	25 61	37 15
	2/13/2017	460 57	457 30	438 79	438 50	423 42	21 78	22 07	37 15
MW-05	2/25/2015	458 58	455 80	432 97	432 98	423 79	25 61	25 60	34 79
	5/13/2015	458 58	455 80	439 74	439 75	423 79	18 84	18 83	34 79
	8/17/2015	458 58	455 80	436 46	436 45	423 79	22 12	22 13	34 79
	11/16/2015	458 58	455 80	432 19	429 26	423 79	26 39	29 32	34 79
	2/22/2016	458 66	455 92	437 54	437 40	423 87	21 12	21 26	34 79
	5/16/2016	458 66	455 92	442 08	442 48	423 87	16 58	16 18	34 79
	8/15/2016	458 66	455 92	435 07	435 49	423 87	23 59	23 17	34 79
	11/14/2016	458 66	455 92	435 94	435 78	423 87	22 72	22 88	34 79
	2/13/2017	458 66	455 92	439 53	439 25	423 87	19 13	19 41	34 79
MW-06	2/23/2015	464 47	461 22	447 80	447 82	431 87	16 67	16 65	32 60
	5/11/2015	464 47	461 22	447 21	447 19	431 87	17 26	17 28	32 60
	8/18/2015	464 47	461 22	448 82	448 80	431 87	15 65	15 67	32 60
	11/16/2015	464 47	461 22	445 36	445 51	431 87	19 11	18 96	32 60
	2/22/2016	464 50	461 27	447 39	447 37	431 90	17 11	17 13	32 60
	5/16/2016	464 50	461 27	446 70	446 69	431 90	17 80	17 81	32 60
	8/15/2016	464 50	461 27	450 37	449 77	431 90	14 13	14 73	32 60
	11/14/2016	464 50	461 27	449 44	449 24	431 90	15 06	15 26	32 60
	2/13/2017	464 50	461 27	450 73	449 81	431 90	13 77	14 69	32 60
MW-07	2/23/2015	463 23	459 65	433 66	433 66	414 93	29 57	29 57	48 30
	5/11/2015	463 23	459 65	438 83	438 80	414 93	24 40	24 43	48 30
	8/18/2015	463 23	459 65	436 10	436 07	414 93	27 13	27 16	48 30
	11/16/2015	463 23	459 65	432 80	432 78	414 93	30 43	30 45	48 30
	2/22/2016	463 27	459 73	437 59	437 48	414 97	25 68	25 79	48 30
	5/16/2016	463 27	459 73	442 31	442 86	414 97	20 96	20 41	48 30
	8/15/2016	463 27	459 73	435 64	437 09	414 97	27 63	26 18	48 30
	11/14/2016	463 27	459 73	436 29	436 10	414 97	26 98	27 17	48 30
	2/13/2017	463 27	459 73	439 81	439 39	414 97	23 46	23 88	48 30

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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	2/26/2015	471 73	468 70	446 67	446 68	438 21	25 06	25 05	33 52
	5/11/2015	471 73	468 70	446 25	446 25	438 21	25 48	25 48	33 52
	8/18/2015	471 73	468 70	448 48	448 50	438 21	23 25	23 23	33 52
	11/16/2015	471 73	468 70	445 67	445 66	438 21	26 06	26 07	33 52
	2/22/2016	471 75	468 75	447 76	447 62	438 23	23 99	24 13	33 52
	5/16/2016	471 75	468 75	446 27	446 28	438 23	25 48	25 47	33 52
	8/15/2016	471 75	468 75	448 14	448 14	438 23	23 61	23 61	33 52
	11/14/2016	471 75	468 75	447 44	447 52	438 23	24 31	24 23	33 52
	2/13/2017	471 75	468 75	447 78	447 74	438 23	23 97	24 01	33 52
MW-09	2/24/2015	469 19	466 21	443 11	443 08	434 05	26 08	26 11	35 14
	5/12/2015	469 19	466 21	444 36	444 36	434 05	24 83	24 83	35 14
	8/19/2015	469 19	466 21	447 13	447 12	434 05	22 06	22 07	35 14
	11/16/2015	469 19	466 21	443 12	443 59	434 05	26 07	25 60	35 14
	2/22/2016	469 14	466 44	446 31	446 01	434 00	22 83	23 13	35 14
	5/16/2016	469 14	466 44	446 08	446 32	434 00	23 06	22 82	35 14
	8/15/2016	469 14	466 44	444 64	444 63	434 00	24 50	24 51	35 14
	11/14/2016	469 14	466 44	444 81	444 69	434 00	24 33	24 45	35 14
	2/13/2017	469 14	466 44	445 71	445 60	434 00	23 43	23 54	35 14
MW-10	2/23/2015	457 39	454 09	440 88	440 88	424 89	16 51	16 51	32 50
	5/14/2015	457 39	454 09	442 44	442 44	424 89	14 95	14 95	32 50
	8/18/2015	457 39	454 09	443 57	443 56	424 89	13 82	13 83	32 50
	11/16/2015	457 39	454 09	439 17	439 68	424 89	18 22	17 71	32 50
	2/22/2016	457 31	453 97	443 08	443 08	424 81	14 23	14 23	32 50
	5/16/2016	457 31	453 97	443 57	443 85	424 81	13 74	13 46	32 50
	8/15/2016	457 31	453 97	441 30	441 41	424 81	16 01	15 90	32 50
	11/14/2016	457 31	453 97	441 82	441 67	424 81	15 49	15 64	32 50
	2/13/2017	457 31	453 97	443 60	443 42	424 81	13 71	13 89	32 50
MW-11	2/24/2015	471 59	468 07	440 57	440 55	427 89	31 02	31 04	43 70
	5/12/2015	471 59	468 07	442 91	442 92	427 89	28 68	28 67	43 70
	8/19/2015	471 59	468 07	443 15	443 12	427 89	28 44	28 47	43 70
	11/16/2015	471 59	468 07	439 92	440 81	427 89	31 67	30 78	43 70
	2/22/2016	471 62	468 04	443 28	442 89	427 92	28 34	28 73	43 70
	5/16/2016	471 62	468 04	444 51	444 98	427 92	27 11	26 64	43 70
	8/15/2016	471 62	468 04	441 98	442 02	427 92	29 64	29 60	43 70
	11/14/2016	471 62	468 04	442 43	442 21	427 92	29 19	29 41	43 70
	2/13/2017	471 62	468 04	444 13	443 91	427 92	27 49	27 71	43 70
MW-12	2/24/2015	473 38	470 00	451 43	451 42	440 79	21 95	21 96	32 59
	5/12/2015	473 38	470 00	450 63	450 63	440 79	22 75	22 75	32 59
	8/19/2015	473 38	470 00	451 05	451 03	440 79	22 33	22 35	32 59
	11/16/2015	473 38	470 00	448 90	448 92	440 79	24 48	24 46	32 59
	2/22/2016	473 38	470 34	451 97	449 91	440 79	21 41	23 47	32 59
	5/16/2016	473 38	470 34	450 44	450 42	440 79	22 94	22 96	32 59
	8/15/2016	473 38	470 34	449 53	449 62	440 79	23 85	23 76	32 59
	11/14/2016	473 38	470 34	449 49	449 47	440 79	23 89	23 91	32 59
	2/13/2017	473 38	470 34	451 45	451 52	440 79	21 93	21 86	32 59
MW-13	2/20/2015	470 94	467 65	437 57	437 30	427 85	33 37	33 64	43 09
	5/13/2015	470 94	467 65	442 61	442 15	427 85	28 33	28 79	43 09
	8/19/2015	470 94	467 65	439 23	438 72	427 85	31 71	32 22	43 09
	11/16/2015	470 94	467 65	437 71	437 76	427 85	33 23	33 18	43 09
	2/22/2016	470 94	467 79	439 98	439 85	427 85	30 96	31 09	43 09
	5/16/2016	470 94	467 79	443 55	443 95	427 85	27 39	26 99	43 09
	8/15/2016	470 94	467 79	439 59	439 71	427 85	31 35	31 23	43 09
	11/14/2016	470 94	467 79	440 30	439 82	427 85	30 64	31 12	43 09
	2/13/2017	470 94	467 79	442 76	442 15	427 85	28 18	28 79	43 09
MW-14	2/26/2015	470 79	467 67	441 69	441 26	439 32	29 10	29 53	31 47
	5/13/2015	470 79	467 67	446 82	446 41	439 32	23 97	24 38	31 47
	8/19/2015	470 79	467 67	448 13	448 08	439 32	22 66	22 71	31 47
	11/16/2015	470 79	467 67	445 55	444 53	439 32	25 24	26 26	31 47
	2/22/2016	470 90	467 73	448 77	447 59	439 43	22 13	23 31	31 47
	5/16/2016	470 90	467 73	446 31	445 86	439 43	24 59	25 04	31 47
	8/15/2016	470 90	467 73	447 12	446 98	439 43	23 78	23 92	31 47
	11/14/2016	470 90	467 73	446 79	446 48	439 43	24 11	24 42	31 47
	2/13/2017	470 90	467 73	446 96	446 88	439 43	23 94	24 02	31 47

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MW-15	2/26/2015	471.38	468.26	446.41	446.35	439.91	24.97	25.03	31.47
	5/14/2015	471.38	468.26	446.70	446.70	439.91	24.68	24.68	31.47
	8/19/2015	471.38	468.26	449.21	449.21	439.91	22.17	22.17	31.47
	11/16/2015	471.38	468.26	446.05	445.96	439.91	25.33	25.42	31.47
	2/22/2016	471.37	468.29	448.46	448.31	439.90	22.91	23.06	31.47
	5/16/2016	471.37	468.29	446.66	446.64	439.90	24.71	24.73	31.47
	8/15/2016	471.37	468.29	447.92	447.92	439.90	23.45	23.45	31.47
	11/14/2016	471.37	468.29	447.43	447.38	439.90	23.94	23.99	31.47
	2/13/2017	471.37	468.29	447.64	447.63	439.90	23.73	23.74	31.47
	MW-16	2/24/2015	471.56	468.26	443.74	443.74	434.27	27.82	27.82
5/12/2015		471.56	468.26	444.54	444.54	434.27	27.02	27.02	37.29
8/18/2015		471.56	468.26	448.73	448.72	434.27	22.83	22.84	37.29
11/16/2015		471.56	468.26	443.93	443.94	434.27	27.63	27.62	37.29
2/24/2016		471.55	469.32	447.43	447.43	434.26	24.12	24.12	37.29
5/16/2016		471.55	469.32	446.46	446.47	434.26	25.09	25.08	37.29
8/15/2016		471.55	469.32	445.13	445.06	434.26	26.42	26.49	37.29
11/14/2016		471.55	469.32	445.28	445.19	434.26	26.27	26.36	37.29
2/13/2017		471.55	469.32	446.17	446.11	434.26	25.38	25.44	37.29

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, Poweron Station, Pekin, IL

Parameter	Standards	2/23/2015	5/11/2015	8/18/2015	11/16/2015	2/25/2016	5/20/2016	8/17/2016	11/16/2016	2/14/2017
	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.037	0.0025	0.038	0.0025	0.065	0.0025	0.065	0.0025
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Boron	2.0	0.050	0.059	0.050	0.087	0.050	0.30	0.050	0.30	0.050
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Chloride	200.0	2.0	37	2.0	67	2.0	58	2.0	44	2.0
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Fluoride	4.0	0.10	0.17	0.10	0.23	0.10	0.16	0.10	0.18	0.10
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Manganese	0.15	0.0025	0.0043	0.0025	ND	0.0025	ND	0.0025	ND	0.0025
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Nitrogen/Nitrate	10.0	0.10	4.1	0.10	2.6	0.10	0.27	0.10	4.3	0.10
Nitrogen/Nitrite	NA	0.50	4.1	0.20	2.6	0.10	0.27	0.50	4.3	0.20
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Sulfate	400.0	10	43	10	50	20	55	10	66	10
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Total Dissolved Solids	1,200	10	470	10	450	10	650	10	510	10
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
BTEX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025
pH	6.5 - 9.0	NA	6.93	NA	7.39	NA	6.89	NA	7.07	NA
Temperature	NA	1.92	NA	14.01	NA	22.91	NA	13.85	NA	7.82
Conductivity	NA	0.44	NA	0.65	NA	1.01	NA	0.68	NA	0.57
Dissolved Oxygen	NA	9.99	NA	4.82	NA	2.51	NA	1.62	NA	3.74
ORP	NA	150.7	NA	53.6	NA	-15.3	NA	118.2	NA	47.3

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620.
 Subject: 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

* - Method Value
 ** - Potentiometer related QC or result the control limit
 F1 - MS and/or MSD Recovery outside of limits
 F2 - MS/MSD RPD exceeds control limits

Temperature Conductivity Dissolved Oxygen
 °C milligrams/liter mg/L
 degrees Celsius milligrams/liter

Oxygen Reduction Potential (ORP)

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

Parameter	Standards	Date	2/25/2015	5/13/2015	8/17/2015	11/17/2015	2/23/2016	5/17/2016	8/16/2016	11/15/2016	2/14/2017
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0015	0.0010	0.0016	0.0010	0.0013	0.0010	0.0010	0.0010	0.0013
Barium	2.0	0.0025	0.051	0.0025	0.055	0.0025	0.072	0.0025	0.066	0.0025	0.057
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.082	0.050	0.11	0.050	0.41	0.050	0.24	0.050	0.15
Calcium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	54	10	92	2.0	51	2.0	45	2.0	39
Chromium	0.1	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
Copper	0.65	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
Fluoride	4.0	0.10	0.17	0.10	0.22	0.10	0.22	0.10	0.18	0.10	0.19
Iron	5.0	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
Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	0.015	0.0025	0.0027	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	5.9	0.10	1.2	0.10	ND	0.10	0.18	0.10	0.19
Nitrogen/Nitrite	NA	0.50	5.9	0.10	1.2	0.10	ND	0.10	0.18	0.10	0.19
Nitrogen/Nitrite	NA	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
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	57	10	41	10	53	20	77	20	39
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	510	10	490	10	540	10	480	10	470
Vanadium	0.049	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
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BHTX	11.705	0.0025	ND	0.0025	ND	0.0025	0.00055	0.0025	0.0042	0.0025	0.0025
pH	6.5-9.0	NA	8.13	NA	7.86	NA	7.28	NA	7.12	NA	7.33
Temperature	NA	NA	2.61	NA	12.12	NA	24.86	NA	13.93	NA	11.12
Conductivity	NA	NA	0.49	NA	0.66	NA	0.86	NA	0.64	NA	0.55
Dissolved Oxygen	NA	NA	11.55	NA	1.99	NA	1.52	NA	8.66	NA	2.58
ORP	NA	NA	1131	NA	873	NA	-377	NA	112.9	NA	27.6

Notes: Standards obtained from IAC, Table 35, Chapter 1, Part 620, Subpart D, Section 630.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater. DL - Detection limit. NA - Not Applicable. ND - Not Detected. * - Median Value. ** - Drives Estimation related to OC exceeds the control limits. F1 - MS and/or MSD Recovery outside of limits. F2 - MS/MSD RPD exceeds control limits. Temperature Conductivity Dissolved Oxygen Oxygen Reduction Potential (ORP) °C mg/L mV degrees Celsius milligrams/liter

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

Parameter	Standards	2/25/2015	5/13/2015	8/17/2015	11/17/2015	2/23/2016	5/17/2016	8/16/2016	11/15/2016	2/14/2017
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Arsenic	0.010	0.0010	ND	0.0010	0.0017	0.0010	0.0010	0.0014	ND	0.0010
Barium	2.0	0.0025	0.048	0.0025	0.045	0.0025	0.061	0.0025	0.042	0.0025
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Boron	2.0	0.050	0.32	0.050	0.086	0.050	0.30	0.050	0.42	0.050
Calcium	0.005	0.00030	ND	0.00030	ND	0.00030	ND	0.00030	ND	0.00030
Chloride	200.0	2.0	47	2.0	45	2.0	43	2.0	46	2.0
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Fluoride	4.0	0.10	0.23	0.10	0.30	0.10	0.29	0.10	0.23	0.10
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
Lead	0.0075	0.00030	ND	0.00030	ND	0.00030	ND	0.00030	ND	0.00030
Manganese	0.15	0.0025	ND	0.0025	0.016	0.0025	0.0031	0.0025	ND	0.0025
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Nitrogen/Nitrate	10.0	0.10	2.0	0.10	ND	0.10	0.19	0.10	0.95	0.10
Nitrogen/Nitrite	NA	0.10	2.0	0.20	ND	0.10	0.19	0.10	0.95	0.10
Nitrogen/Nitrate, Nitrite	NA	0.10	2.0	0.20	ND	0.10	0.19	0.10	0.95	0.10
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Selenium	0.05	0.0025	ND	0.0025	ND FI	0.0025	ND	0.0025	0.0025	0.0025
Silver	0.05	0.00030	ND	0.00030	ND	0.00030	ND	0.00030	ND	0.00030
Sulfate	400.0	10	46	10	48	20	50	20	77	20
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Total Dissolved Solids	1,200	10	400	10	420	10	380	10	400	10
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Benzene	0.005	0.00030	ND	0.00030	ND	0.00030	0.002	0.00030	ND	0.00030
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	0.0054	0.0025	ND	0.0025
pH	6.5 - 9.0	NA	7.75	NA	7.63	NA	7.12	NA	7.41	NA
Temperature	NA	NA	8.51	NA	25.85	NA	19.09	NA	8.82	NA
Conductivity	NA	NA	0.49	NA	0.74	NA	0.60	NA	0.44	NA
Dissolved Oxygen	NA	NA	3.65	NA	3.10	NA	1.01	NA	9.60	NA
ORP	NA	NA	102.3	NA	35.7	NA	92.5	NA	36.1	NA

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
 NA - Not Analyzable
 ND - Not Detected

** Median Value
 * - Detects instrument related QC exceeds the control limits
 FI - MS and/or MSD Recovery outside of limits.

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mg/L
 mV

degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Standards	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
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.025	0.0025	0.025	0.0025	0.027	0.0025	0.030	0.0025	0.028	0.0025	0.037	0.0025	0.026
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.94	0.050	0.80	0.050	0.44	0.050	0.51	0.050	0.43	0.050	0.60	0.050	0.79
Cadmium	0.005	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	74	2.0	65	2.0	47	2.0	74	2.0	47	2.0	60	2.0	59
Chromium	0.1	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
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	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
Fluoride	4.0	0.10	0.32	0.10	0.26	0.10	0.30	0.10	0.26	0.10	0.22	0.10	0.25	0.10	0.27
Iron	5.0	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
Manganese	0.15	0.0025	0.018	0.0025	ND	0.0025	0.015	0.0025	0.14	0.0025	ND	0.0025	0.0041	0.0025	0.22
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.30	0.10	ND	0.10	ND	0.10	0.85	0.10	0.45	0.10	ND	0.10	1.3
Nitrogen/Nitrite	NA	0.10	0.30	0.10	ND	0.10	ND	0.10	0.85	0.10	0.45	0.10	ND	0.10	1.3
Nitrogen/Nitrate, Nitrite	NA	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
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	25	100	2.0	120	2.0	47	2.0	75	2.0	74	2.0	65	2.0	61
Thallium	0.002	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	580	10	540	10	470	10	550	10	420	10	480	10	590
Vanadium	0.049	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
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0017	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0056	0.0025	0.00069	0.0025	0.0013	0.0025	ND
pH	6.5 - 9.0	NA	7.63	NA	7.30	NA	7.37	NA	6.72	NA	7.28	NA	7.09	NA	7.12
Temperature	NA	NA	8.95	NA	13.52	NA	24.79	NA	16.54	NA	6.06	NA	14.14	NA	17.30
Conductivity	NA	NA	0.72	NA	0.73	NA	0.79	NA	0.77	NA	0.48	NA	0.67	NA	0.68
Dissolved Oxygen	NA	NA	1.97	NA	3.05	NA	1.31	NA	6.90	NA	9.71	NA	0.94	NA	2.26
ORP	NA	NA	22.5	NA	72.4	NA	-21.1	NA	88.4	NA	43.8	NA	43.3	NA	-95.2

Notes: Standards obtained from IAC, Table 31, Chapter 1, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class 1 Public Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

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

Median Value
* Denotes instrument related QC exceeds the control limits
F1 - AFS and/or AFS/D Recovery outside of limits.

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

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

Sample: MW-05	Date	2/25/2015	5/13/2015	8/17/2015	11/17/2015	2/23/2016	5/17/2016	8/16/2016	11/15/2016	2/14/2017	
Precipitant	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.005	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
Barium	2.0	0.0025	0.041	0.0025	0.055	0.0025	0.043	0.0025	0.051	0.0025	0.052
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	1.1	0.050	0.72	0.050	0.59	0.050	0.63	0.050	0.59
Cadmium	0.005	0.00050	ND	0.00050	0.00050	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	79	10	120	2.0	60	10	110	2.0	54
Chromium	0.1	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
Copper	0.65	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
Fluoride	4.0	0.10	0.38	0.10	0.37	0.10	0.26	0.10	0.27	0.10	0.27
Iron	5.0	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
Manganese	0.15	0.0025	0.058	0.0025	0.0078	0.0025	0.13	0.0025	0.084	0.0025	0.044
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0025	0.0020	0.0023	0.0020	0.0051	0.0020	0.0027	0.0020	0.0032
Nitrogen/Nitrate	10.0	0.10	0.74	0.10	0.10	0.10	ND	0.10	ND	0.10	0.27
Nitrogen/Nitrite	NA	0.10	0.74	0.10	ND	0.10	ND	0.10	ND	0.10	0.27
Nitrogen/Nitrite	NA	0.10	0.74	0.10	ND	0.10	ND	0.10	ND	0.10	0.27
Nitrogen/Nitrite	NA	0.10	0.74	0.10	ND	0.10	ND	0.10	ND	0.10	0.27
Perchlorate	0.0049	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
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	20	110	50	130	25	140	50	160	25	94
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	570	10	730	10	860	10	860	10	720
Vanadium	0.049	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
Benzene	0.005	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
pH	6.5 - 9.0	NA	7.52	NA	7.26	NA	7.35	NA	6.65	NA	6.85
Temperature	NA	NA	5.51	NA	17.46	NA	25.42	NA	15.07	NA	19.41
Conductivity	NA	NA	0.69	NA	1.06	NA	1.32	NA	1.06	NA	1.02
Dissolved Oxygen	NA	NA	2.50	NA	1.54	NA	2.24	NA	1.32	NA	2.88
ORP	NA	NA	9.8	NA	23.5	NA	-27.7	NA	-4.8	NA	-99.8

Notes: Standards obtained from IAC, Table 35, Chapter 1, Part 620.
 Subject 13, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater.
 All values are in mg/L (ppm) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 * Median Value
 ** Detector Isotainment related QC exceeds the control limits.
 P1, M5 and/or MSD Recovery outside of limits.
 Oxygen Reduction Potential (ORP)
 Temperature
 Conductivity
 Dissolved Oxygen
 mg/L
 mV
 degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Date	2/23/2015		5/11/2015		8/18/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/16/2016		2/16/2017	
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL
Arsenium	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
Ascorbic	0.010	0.0010	0.0011	0.0010	ND	0.0010	0.0025	0.0010	0.0016	0.0010	0.0019 FI	0.0010	ND	0.0010	ND	0.0010	0.0022	0.0010	ND
Barium	2.0	0.0025	0.0099	0.0025	0.0094	0.0025	0.12	0.0025	0.11	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
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	0.050	0.34	0.050	0.35	0.050	0.75	0.050	0.51	0.050	0.40 F1	0.050	0.34	0.050	0.41	0.050	0.36	0.050	0.29
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	110	230	10	170	10	210	10	200	10	200 F1	10	210	10	180 F1	10	190
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	0.0013	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	0.48	0.10	0.52	0.10	0.56	0.10	0.64	0.10	0.58	0.10	0.48	0.10	0.60	0.10	0.50	0.10	0.26
Iron	5.0	0.10	1.0	0.10	0.29	0.10	1.8	0.10	1.4	0.10	1.6 F1	0.10	0.15	0.10	0.10	0.10	0.10	0.10	1.4
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	0.86	0.0025	0.90	0.0025	1.2	0.0025	0.98	0.0025	0.87 F1	0.0025	0.85	0.0025	0.57	0.0025	0.79	0.0025	1.0
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	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/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/Nitric	NA	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	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	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	360	100	350	100	400	100	490	100	390	250	500	100	380	100	470	100	390
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	1,100	10	1,300	10	1,400	10	1,100	10	1,100	10	1,400	10	1,200	10	1,100	10	1,000
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	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0013	0.0025	0.00061	0.0025	0.00053	0.0025	0.00099	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	8.05	NA	7.76	NA	7.94	NA	7.46	NA	7.68	NA	7.47	NA	7.31	NA	7.66	NA	7.66
Temperature	NA	NA	7.20	NA	17.91	NA	21.94	NA	18.66	NA	13.60	NA	15.26	NA	28.74	NA	19.81	NA	12.94
Conductivity	NA	NA	1.17	NA	1.67	NA	1.99	NA	1.58	NA	1.31	NA	1.56	NA	1.94	NA	1.43	NA	1.24
Dissolved Oxygen	NA	NA	0.96	NA	1.57	NA	1.60	NA	1.20	NA	0.64	NA	0.83	NA	1.32	NA	1.42	NA	1.06
ORP	NA	NA	-147.7	NA	-73.6	NA	-142.7	NA	-90.4	NA	-96.8	NA	-58.8	NA	-166.3	NA	-154.6	NA	-102.5

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620.
 Subject D, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted.

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

* - Method Value
 † - Detector instrument failed; QC exceeds the control limits
 FI - MS and/or MSD Recovery outside of limits

Temperature
 Conductivity
 Dissolved Oxygen
 ORP

°C
 mg/L
 mV

degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Date	2/23/2015	5/11/2015	8/18/2015	11/16/2015	2/24/2016	5/18/2016	8/19/2016	11/16/2016	2/16/2017
Antimony	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL
Ascorbic	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030
Barium	0.010	0.0010	0.18	0.0010	0.18	0.0010	0.13	0.0010	0.14	0.0010
Beryllium	2.0	0.0025	0.61	0.0025	0.49	0.0025	0.43	0.0025	0.44	0.0025
Boron	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010
Cadmium	2.0	0.050	0.39	0.050	0.34	0.050	0.36	0.050	0.36	0.050
Chloride	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Chromium	200.0	10	130	10	140	10	160	10	160	10
Cobalt	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Copper	1.0	0.0010	0.012	0.0010	0.0070	0.0010	0.0062	0.0010	0.0062	0.0010
Cyanide	0.65	0.0020	0.091	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Fluoride	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Iron	4.0	0.10	0.42	0.10	0.44	0.10	0.43	0.10	0.43	0.10
Lead	5.0	0.10	23	0.10	38	0.10	12	0.10	9.2	0.10
Manganese	0.0075	0.00050	0.0066	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Mercury	0.15	0.013	7.0	0.050	5.9	0.13	6.2	0.025	3.0	0.013
Nickel	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
Nitrogen/Nitrate	0.1	0.0020	0.020	0.0020	0.0077	0.0020	0.0064	0.0020	0.0069	0.0020
Nitrogen/Nitrite	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
Nitrogen/Nitric	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
Nitrogen/Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
Perchlorate	0.0049	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
Selenium	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Silver	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025
Sulfate	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Thallium	400.0	10	50	10	59	10	68	10	69	10
Total Dissolved Solids	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Vanadium	1.200	10	11.00	10	13.00	10	11.00	10	10.00	10
Zinc	0.049	0.0050	0.0084	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Benzene	5.0	0.020	0.027	0.020	ND	0.020	ND	0.020	ND	0.020
BETX	0.005	0.00050	ND	0.00050	ND	0.00050	0.00078	0.00050	ND	0.00050
pH	11.705	0.0025	ND	0.0025	ND	0.0025	0.00238	0.0025	ND	0.0025
Temperature	6.5 - 9.0	NA	6.90	NA	6.88	NA	6.60	NA	6.77	NA
Conductivity	NA	NA	8.40	NA	17.66	NA	13.34	NA	16.18	NA
Dissolved Oxygen	NA	NA	1.37	NA	1.67	NA	1.47	NA	1.47	NA
ORP	NA	NA	2.66	NA	1.19	NA	1.47	NA	2.26	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-149.0	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-87.7	NA
DL - Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DL - Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DL - Detection limit	-109.8	NA	-93.7	NA	-149.0	NA	-40.8	NA	-8	

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

Parameter	Standards	2/24/2015		5/12/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/17/2016		11/17/2016		2/15/2017	
		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	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.043	0.0025	0.026	0.0025	0.034	0.0025	0.023	0.0025	0.034	0.0025	0.030	0.0025	0.036	0.0025	0.037	0.0025	0.038
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	3.0	0.050	3.2	0.25	3.3	0.050	2.2	0.25	2.3	0.050	1.5	0.050	2.7	0.50	3.8	0.050	3.0
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	34	2.0	37	2.0	36	2.0	30	2.0	35	2.0	36	2.0	41	2.0	38	2.0	38
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	0.18	0.10	0.16	0.10	0.14	0.10	0.19	0.10	0.20	0.10	0.16	0.10	0.15	0.10	0.15	0.10	0.14
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	0.024	0.0025	0.086	0.0025	0.020	0.0025	0.076	0.0025	0.084	0.0025	0.079	0.0025	0.11	0.0025	0.10	0.0025	0.088
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	13	0.10	9.3	0.10	11	0.10	0.74	0.10	1.0	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Nitrogen/Nitrate, Nitrite	NA	1.0	13	1.0	9.3	2.0	11	0.10	0.74	0.10	1.0	0.50	5.9	0.50	5.7	0.50	4.4	0.50	5.2
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	0.0091	0.0025	0.014	0.0025	0.010	0.0025	0.0028	0.0025	ND	0.0025	0.0047	0.0025	0.0034	0.0025	0.0035	0.0025	0.0063
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	25	130	50	140	50	160	25	130	25	140	100	50	130	50	140	50	140	120
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	570	10	620	10	670	10	410	10	480	10	490	10	760	10	600	10	590
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	0.00050	ND	0.00050	0.00089	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	0.00379	0.0025	0.00063	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.53	NA	7.44	NA	7.35	NA	7.15	NA	7.34	NA	7.30	NA	7.32	NA	7.37	NA	6.94
Temperature	NA	NA	11.65	NA	14.26	NA	18.58	NA	16.51	NA	10.02	NA	20.82	NA	22.91	NA	17.20	NA	9.91
Conductivity	NA	NA	0.67	NA	0.79	NA	0.88	NA	0.67	NA	0.55	NA	0.76	NA	0.85	NA	0.70	NA	0.65
Dissolved Oxygen	NA	NA	1.37	NA	2.20	NA	0.68	NA	1.42	NA	1.47	NA	4.29	NA	2.87	NA	4.07	NA	2.52
ORP	NA	NA	25.0	NA	35.5	NA	-22.6	NA	72.9	NA	-37.1	NA	-54.3	NA	-76.3	NA	-40.5	NA	69.1

Notes: Standards obtained from IAC, Table 35, Chapter 17, Part 620.
 Subject D, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater
 All values are in mg/L (open) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 * - Method Value
 ** - Detector instrument related QC exceeds the control limits
 F1, MS and/or MSD Recovery outside of limits
 Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)
 °C
 mg/L
 mV
 degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Standards	Date	2/24/2015	5/12/2015	8/19/2015	11/19/2015	2/26/2016	5/20/2016	8/17/2016	11/17/2016	2/16/2017
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.022	0.0010	0.052	0.0010	0.0010	0.0097	0.0010	0.011	0.0010
Barium	2.0	0.0025	0.16	0.0025	0.16	0.0025	0.15	0.0025	0.17	0.0025	0.14
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	1.7	0.050	1.3	0.050	2.0	0.050	1.5	0.25	1.8
Calcium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	66	2.0	65	2.0	60	2.0	60	10	120
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0023	0.0010	0.0017	0.0010	0.0021	0.0010	0.0020	0.0010	0.0010
Copper	0.65	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
Fluoride	4.0	0.10	0.66	0.10	0.79	0.10	0.61	0.10	0.56	0.10	0.53
Iron	5.0	0.10	2.0	0.10	4.2	0.10	2.2	0.10	1.5	0.10	1.2
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.025	5.5	0.050	7.8	0.025	5.9	0.0025	4.1	0.0025	3.6
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0042	0.0020	ND	0.0020	0.0028	0.0020	0.0031	0.0020	0.0045
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.52	0.10	0.20	0.10	ND	0.10	0.10
Nitrogen/Nitrite	NA	0.10	ND	0.10	0.52	0.10	0.20	0.10	ND	0.10	0.10
Nitrogen/Nitrate, Nitrite	NA	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
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	25	120	20	130	50	150	50	210	50	260
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	700	10	710	10	750	10	630	10	890
Vanadium	0.049	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
Benzene	0.005	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	0.00086	0.0025	0.0041	0.0025	0.00058
pH	6.5-9.0	NA	7.55	NA	7.33	NA	7.25	NA	7.06	NA	7.25
Temperature	NA	NA	10.59	NA	16.31	NA	20.65	NA	13.73	NA	11.18
Conductivity	NA	NA	0.91	NA	1.17	NA	1.21	NA	0.95	NA	0.96
Dissolved Oxygen	NA	NA	2.74	NA	1.62	NA	0.57	NA	0.85	NA	1.10
ORP	NA	NA	-110.5	NA	-146.8	NA	-115.3	NA	-40.7	NA	-100.5

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

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

** Median Value
 * Denotes instrument related QC or outside the control limits
 F1 - MS and/or MSD recovery outside of limits

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mg/L
 mV
 degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Standards	Date	2/24/2015	5/12/2015	8/19/2015	11/19/2015	2/26/2016	5/20/2016	8/18/2016	11/18/2016	2/16/2017
Aluminum	0.066	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	ND	0.0010	0.0034	0.0010	0.0033	0.0010	0.0010	0.0045 FI	0.0010
Barium	2.0	0.0025	0.070	0.0025	0.071	0.0025	0.091	0.0025	0.060	0.0025	0.092
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.58	0.050	0.59	0.050	0.94	0.050	0.57	0.050	0.75
Calcium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	210	10	230	10	220	10	210	200 FI	210
Chromium	0.1	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
Copper	0.65	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
Fluoride	1.0	0.10	0.58	0.10	0.52	0.10	0.58	0.10	0.41	0.10	0.53
Iron	5.0	0.10	1.7	0.10	0.48	0.10	0.61	0.10	0.88	0.10	1.5
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.17	0.0025	0.63	0.0025	1.2	0.0025	0.65	0.0025	1.0
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0031	0.0020	0.022	0.0020	0.0023	0.0020	0.0020	0.0020	0.0037
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrite	NA	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	0.024	0.020	ND	0.020	0.22
Perchlorate	0.0049	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
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	450	100	530	100	750	100	580	100	600
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1300	10	1400	10	1400	10	1300	10	1700
Vanadium	0.049	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
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	0.0061	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.61	NA	7.49	NA	7.12	NA	7.96	NA	7.06
Temperature	NA	NA	6.11	NA	18.19	NA	14.85	NA	9.04	NA	24.40
Conductivity	NA	NA	1.24	NA	1.76	NA	1.59	NA	1.29	NA	1.91
Dissolved Oxygen	NA	NA	1.29	NA	1.87	NA	1.49	NA	1.31	NA	2.81
ORP	NA	NA	-80.6	NA	-55.7	NA	36.6	NA	-134	NA	8.9

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

DL - Detection limit
NA - Not Analyzable
ND - Not Detected

Median Value
* Denotes instrument related QC records the control limits
FI - AIS and/or MSD Recovery outside of limits.

Temperature Conductivity Dissolved Oxygen
Oxygen Reduction Potential (ORP)

mg/L milligrams/liter
mV millivolts
degrees Celsius
milligrams/liter

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

Parameter	Date	2/26/2015	5/13/2015	8/19/2015	11/19/2015	2/24/2016	5/19/2016	8/18/2016	11/17/2016	2/17/2017
Antimony	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL
	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0060
Asenic	0.010	0.028	0.0010	0.033	0.0010	0.030	0.0010	0.027	0.0010	0.028
	2.0	0.0025	0.24	0.0025	0.27	0.0025	0.14	0.0025	0.23	0.0025
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020
	2.0	0.25	3.5	0.50	3.8	0.25	3.6	0.50	3.2	0.50
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
	200.0	10	180	10	180	10	170 FI	10	180	10
Chromium	0.1	0.0050	ND	0.010	0.0050	ND	0.0050	ND	0.0050	ND
	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040
	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010
Cyanide	4.0	0.10	0.37	0.39	0.10	0.34	0.37	0.10	0.37	0.10
	5.0	0.10	0.69	0.92	0.10	1.0	0.85	0.10	1.0	0.35
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
	0.15	0.0025	3.8	0.0025	3.9	0.025	4.7	0.025	4.3	0.0025
Manganese	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020
	0.1	0.0020	0.0040	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0040
Nickel	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10
Nitrogen/Nitrate, Nitrite	NA	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20
	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040
Perchlorate	0.05	0.0025	ND	0.012	0.0025	0.0066	0.0025	0.0031	0.0025	0.011
	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Silver	400.0	250	1000	1100	250	1300	250	1700	500	1500
	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020
Thallium	1.200	10	2300	2600	10	2500	10	2400	10	3300
	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050
Total Dissolved Solids	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020
	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
Zinc	11.705	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025
	6.5 - 9.0	NA	8.20	7.99	NA	8.03	7.57	NA	7.67	NA
pH	NA	9.51	NA	16.67	NA	19.27	NA	12.62	NA	9.43
	NA	2.11	NA	2.76	NA	2.91	NA	2.36	NA	2.21
Conductivity	NA	1.60	NA	1.10	NA	1.20	NA	0.96	NA	1.56
	NA	-161.4	NA	-175.5	NA	-153.2	NA	-76.2	NA	-137.5
Dissolved Oxygen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ORP	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes: Standards obtained from IAC, Title 35, Chapter 1, Section 620.1. Subject D, Section 620.110 - Groundwater Quality Standards for Class I Potable Recovery Groundwater. All values are in mg/L (ppm) unless otherwise noted.

DL - Detection Limit
 NA - Not Applicable
 ND - Not Detected

Median Value
 * - Deviate Inherent related QC around the general limits
 FI, MS and/or MSD Recovery outside of limits

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

mg/L
 mV
 degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Standards	Date	2/26/2015	5/13/2015	8/19/2015	11/18/2015	2/24/2016	5/19/2016	8/18/2016	11/17/2016	2/17/2017
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0060
Asenic	0.010	0.0010	0.0011	0.0010	0.0010	0.0010	0.0023	0.0010	0.0027	0.0010	0.0020
Barium	2.0	0.0025	0.050	0.0025	0.042	0.0025	0.069	0.0025	0.050	0.0025	0.065
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0020
Boron	2.0	0.25	2.2	0.25	1.7	0.050	1.9	0.050	2.5	0.050	2.2
Cadmium	0.005	0.00050	ND	0.00050	0.00056	0.00050	0.00070	0.00050	0.00051	0.00050	0.00082
Chloride	200.0	10	180	10	180	10	150	10	160	10	170
Chromium	0.1	0.0050	ND	0.010	ND	0.0050	ND	0.0050	ND	0.0050	0.0050
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0020
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0040
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010
Fluoride	4.0	0.10	0.76	0.10	0.98	0.10	1.1	0.10	1.1	0.10	0.96
Iron	5.0	0.10	0.17	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.18
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0010
Manganese	0.15	0.0025	0.15	0.0025	0.073	0.0025	0.32	0.0025	1.2	0.0025	0.81
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020
Nickel	0.1	0.0020	0.0045	0.0020	0.0036	0.0020	0.0043	0.0020	0.0030	0.0020	0.0048
Nitrogen/Amine	10.0	0.10	0.24	0.10	2.4	0.10	ND	0.10	0.10	0.10	0.35
Nitrogen/Nitrate	NA	0.10	0.24	0.20	2.4	0.10	ND	0.10	0.10	0.10	0.35
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020
Pentachloro	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	0.0040
Selenium	0.05	0.0025	0.023	0.0025	0.042	0.0025	ND	0.0025	0.0035	0.0025	0.023
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0010
Sulfate	400.0	250	850	250	1200	250	1000	500	1200	250	1200
Thallium	0.002	0.0020	ND	0.0020	0.0044	0.0020	0.0065	0.0020	0.0033	0.0020	0.0048
Total Dissolved Solids	1,200	10	2200	13	2700	10	2400	10	0.0043	0.0020	0.0040
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	0.00069	0.0025	0.0064	0.0025	0.0025
pH	6.5 - 9.0	NA	7.28	NA	7.04	NA	7.30	NA	7.03	NA	6.80
Temperature	NA	NA	6.67	NA	16.35	NA	21.01	NA	17.89	NA	22.91
Conductivity	NA	NA	1.89	NA	2.98	NA	2.90	NA	2.62	NA	2.53
Dissolved Oxygen	NA	NA	4.11	NA	1.03	NA	1.15	NA	0.59	NA	3.44
ORP	NA	NA	52.4	NA	9.8	NA	-30.6	NA	67.6	NA	-128.8

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620.
 Subject to Section 630.410 - 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
 * Median Value
 ** Chronic Ingestion related QC exceeds the control limits
 P1, MS and/or MSD Recovery outside of limits.
 Oxygen Reduction Potential (ORP)
 Temperature Conductivity Dissolved Oxygen
 °C mg/L nV
 degrees Celsius milligrams/liter millivolts

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

Parameter	Standard	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result				
Sample: MW-15																			
			2/26/2015		5/14/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017
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	0.0017	0.0010	0.0024	0.0010	0.0020	0.0010	0.0032	0.0010	0.0019	0.0010	0.0019	0.0010	0.0018	0.0010	0.0011	0.0030	ND
Barium	2.0	0.0025	0.10	0.0025	0.12	0.0025	0.070	0.0025	0.083	0.0025	0.039	0.0025	0.078	0.0025	0.045	0.0025	0.053	0.013	0.048
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	0.0020	ND
Boron	2.0	0.25	1.1	0.25	1.4	0.050	1.9	0.050	1.5	0.25	2.4	0.050	1.9	0.050	1.8	0.25	2.0	0.10	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	0.0010	ND
Chloride	200.0	10	240	10	230	10	110	10	200	10	110	10	230	10	170	10	180	10	190 FI
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	0.0020	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	0.0040	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	0.64	0.10	0.47	0.10	0.57	0.10	0.52	0.10	0.63	0.10	0.52	0.10	0.56	0.10	0.53	0.10	0.49
Iron	5.0	0.10	0.28	0.10	0.44	0.10	0.17	0.10	1.8	0.10	0.11	0.10	0.64	0.10	0.81	0.10	0.22	0.10	0.66
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	0.0010	ND
Manganese	0.15	0.0025	0.40	0.0025	0.42	0.0025	0.18	0.0025	1.3	0.0025	0.095	0.0025	0.59	0.0025	0.52	0.0025	0.19	0.0025	0.43
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	0.0090	0.0020	0.010	0.0020	0.0057	0.0020	0.0082	0.0020	0.0076	0.0020	0.0089	0.0020	0.0055	0.0020	0.0063	0.0040	0.0050
Nitrogen/Amine	10.0	0.10	0.18	0.10	0.10	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	ND
Nitrogen/Amine, Nitrite	NA	0.10	0.18	0.10	0.10	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	ND
Nitrogen/Nitrate	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 FI	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.068	0.0025	0.051	0.0025	0.013	0.0025	0.0080	0.0025	0.042	0.0025	0.015	0.0025	ND	0.0025	0.017	0.013	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	0.0010	ND
Sulfate	400.0	100	460	250	930	250	640	250	1500	250	670	500	1100	100	620	130	570	130	610
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	0.0040	ND
Total Dissolved Solids	1,200	10	1400	10	2500	10	1900	10	2400	10	1600	10	2800	10	1900	10	1900	10	1700
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	0.040	ND
Benzene	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
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	0.00073	0.0025	ND	0.0025	0.00054	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.53	NA	7.05	NA	7.07	NA	6.55	NA	6.84	NA	6.83	NA	6.96	NA	6.91	NA	7.24
Temperature	NA	NA	7.93	NA	15.57	NA	19.19	NA	15.04	NA	11.00	NA	18.10	NA	23.69	NA	18.29	NA	17.81
Conductivity	NA	NA	1.41	NA	2.67	NA	2.45	NA	2.55	NA	1.73	NA	2.89	NA	2.52	NA	2.05	NA	2.09
Dissolved Oxygen	NA	NA	1.36	NA	0.83	NA	1.51	NA	0.70	NA	1.36	NA	2.53	NA	1.76	NA	3.28	NA	2.30
ORP	NA	NA	-34.4	NA	-25.7	NA	-29.2	NA	31.9	NA	22.8	NA	-0.2	NA	-40.6	NA	-27.3	NA	20.3

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620.
 Subject D, Section 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater
 All values are in mg/L (open) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 * Nelder Value
 ** Drives important related QC around the control limits
 P1, MS and/or MSD Recovery outside of limits.
 Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)
 °C
 mg/L
 mV
 degrees Celsius
 milligrams/liter
 millivolts

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

Parameter	Standards	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
Arsenic	0.010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.038	0.0025	0.037	0.0025	0.039	0.0025	0.038	0.0025	0.043	0.0025	0.043	0.0025	0.040
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.17	0.050	0.15	0.050	0.23	0.050	1.0	0.050	0.63	0.050	0.23	0.050	0.17
Cadmium	0.005	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	24	2.0	29	2.0	29	2.0	33	2.0	45	2.0	33	2.0	29
Chromium	0.1	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
Copper	0.65	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
Fluoride	4.0	0.10	0.10	0.10	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10
Iron	5.0	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
Manganese	0.15	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	28	0.10	24	0.10	19	0.10	17	0.10	16	0.10	22	0.10	27
Nitrogen/Nitrite	NA	2.0	28	2.0	24	2.0	19	2.0	17	2.0	16	2.0	22	2.0	27
Nitrogen/Nitric	NA	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
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	27	10	33	20	64	25	57	10	50	10	40	10	38
Thallium	0.002	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	490	10	530	10	540	10	460	10	510	10	530	10	520
Vanadium	0.049	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
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0011	0.0025	ND	0.0025	0.0018	0.0025	ND
pH	6.5 - 9.0	NA	7.56	NA	7.35	NA	7.19	NA	6.78	NA	7.33	NA	7.13	NA	6.93
Temperature	NA	NA	8.21	NA	12.56	NA	19.75	NA	13.05	NA	9.13	NA	14.63	NA	16.10
Conductivity	NA	NA	0.57	NA	0.67	NA	0.80	NA	0.62	NA	0.59	NA	0.68	NA	0.67
Dissolved Oxygen	NA	NA	8.44	NA	7.97	NA	7.43	NA	7.61	NA	7.95	NA	8.26	NA	8.00
ORP	NA	NA	95.6	NA	105.0	NA	-9.1	NA	188.1	NA	43.3	NA	57.0	NA	17.0

Notes: Standards obtained from IALC, Title 35, Chapter 1, Part 620.
 Subpart D, Section 620.410 - Groundwater Quality Standards for
 Class 1 Potable Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted.

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

* - Hidden Value
 - Detectable related QC across the control limit
 FI - NS and/or NSD Recovery outside of limit.

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mg/L
 mV

degrees Celsius
 milligrams/liter
 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: 500-123844-1

Client Project/Site: Powerton Station CCA

For:

KPRG and Associates, Inc.

14665 West Lisbon Road,

Suite 2B

Brookfield, Wisconsin 53005

Attn: Richard Gnat



Authorized for release by:

3/3/2017 11:21:18 AM

Eric Lang, Manager of Project Management

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e mail address or telephone number listed on this page.

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.
MWG13-15_62243

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Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Job ID: 500-123844-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-123844-1

Comments

No additional comments.

Receipt

The samples were received on 2/15/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 9 coolers at receipt time were -1.3° C, 2.4° C, 2.5° C, 2.7° C, 2.9° C, 3.0° C, 3.1° C, 3.4° C and 4.1° C.

Receipt Exceptions

Received 1 VOA vial for sample 18 with larger than pea size bubble.

GC/MS VOA

Method(s) 8260B: The MS/ MSD (matrix spike/matrix spike duplicate) samples in batch 372688 were analyzed beginning 14 minutes outside the method specified 12 hour tune time.
MW-07 (500-123844-11)

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

Metals

Method(s) 6020A: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following samples: MW-13 (500-123844-15), MW-14 (500-123844-16) and MW-15 (500-123844-17). Elevated reporting limits are reported.

Method(s) 6020A: Due to sample matrix effect on the internal standards (ISTD), a dilution was required for the following sample: MW-15 (500-123844-17) for Arsenic(As) and Selenium(Se). Elevated limits are reported.

Method(s) 6020A: The continuing calibration verification (CCV) at line 37, associated with batch 500-373984 recovered above the upper control limit for Zinc. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method(s) 6020A: The continuing calibration verification (CCV) and the low level CCV associated with batch 500-373984 recovered above the upper control limit for Arsenic. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-01 (500-123844-1), MW-03 (500-123844-3), MW-04 (500-123844-4), MW-05 (500-123844-5), MW-09 (500-123844-6), MW-10 (500-123844-7), MW-16 (500-123844-8), Duplicate (500-123844-9), MW-08 (500-123844-12), MW-14 (500-123844-16), (500-123844-F-3-C DU), (500-123844-F-3-D MS), (500-123844-F-3-E MSD) and (500-123844-F-3-B SD).

Method(s) 6020A: The continuing calibration verification (CCV) and the low level CCV associated with batch 500-373984 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: MW-01 (500-123844-1), MW-02 (500-123844-2), MW-05 (500-123844-5), MW-10 (500-123844-7), MW-16 (500-123844-8), Duplicate (500-123844-9), MW-06 (500-123844-10), MW-07 (500-123844-11), MW-08 (500-123844-12), MW-11 (500-123844-13) and MW-12 (500-123844-14).

Method(s) 6020A: The mid-range continuing calibration verification, at line 37, was biased low at 88% rec. The low level continuing calibration verification (CCVL), at line 39, associated with batch 500-373984 recovered above the upper control limit for Beryllium at 150%rec. The Low level CCV is at the reporting limit and was biased high. The samples associated with these CCVs were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6020A: The continuing calibration verification (CCV) and low level CCV associated with batch 500-374154 recovered above the upper control limit for Selenium. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: MW-13 (500-123844-15) and MW-14 (500-123844-16).

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

Case Narrative

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Job ID: 500-123844-1 (Continued)

Laboratory: TestAmerica Chicago (Continued)

Field Service / Mobile Lab

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

General Chemistry

Method(s) 314.0: Analyst inadvertently did not alternate between 60ppb and 100ppb continuing calibration verification (CCV). All QC are within acceptable limits. There is no adverse impact on the data. Data is being reported.

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



Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-01

Lab Sample ID: 500-123844-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.036		0.0025		mg/L	1		6020A	Dissolved
Boron	0.14		0.050		mg/L	1		6020A	Dissolved
Sulfate	58		10		mg/L	2		9038	Dissolved
Chloride	55		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	6.4		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	500		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.42		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	6.4		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-02

Lab Sample ID: 500-123844-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0013		0.0010		mg/L	1		6020A	Dissolved
Barium	0.046		0.0025		mg/L	1		6020A	Dissolved
Boron	0.16		0.050		mg/L	1		6020A	Dissolved
Sulfate	50		10		mg/L	2		9038	Dissolved
Chloride	50		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	4.1		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	510		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.22		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	4.1		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 500-123844-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.059		0.0025		mg/L	1		6020A	Dissolved
Boron	0.19		0.050		mg/L	1		6020A	Dissolved
Selenium	0.0036		0.0025		mg/L	1		6020A	Dissolved
Sulfate	50		10		mg/L	2		9038	Dissolved
Chloride	47		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	4.6		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	460		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.24		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	4.6		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 500-123844-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.022		0.0025		mg/L	1		6020A	Dissolved
Boron	0.48		0.050		mg/L	1		6020A	Dissolved
Manganese	0.19		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0049		0.0025		mg/L	1		6020A	Dissolved
Sulfate	68		20		mg/L	4		9038	Dissolved
Chloride	56		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.64		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	510		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.25		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.64		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-123844-5

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-05 (Continued)

Lab Sample ID: 500-123844-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.052		0.0025		mg/L	1		6020A	Dissolved
Boron	0.59		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0068		0.0025		mg/L	1		6020A	Dissolved
Sulfate	130		50		mg/L	10		9038	Dissolved
Chloride	98		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	720		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.27		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-09

Lab Sample ID: 500-123844-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.038		0.0025		mg/L	1		6020A	Dissolved
Boron	3.0		0.050		mg/L	1		6020A	Dissolved
Manganese	0.088		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0063		0.0025		mg/L	1		6020A	Dissolved
Sulfate	120		50		mg/L	10		9038	Dissolved
Chloride	38		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	5.2		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	590		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.14		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	5.2		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-10

Lab Sample ID: 500-123844-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.19		0.0025		mg/L	1		6020A	Dissolved
Boron	0.48		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0018		0.0010		mg/L	1		6020A	Dissolved
Copper	0.0021		0.0020		mg/L	1		6020A	Dissolved
Iron	0.22		0.10		mg/L	1		6020A	Dissolved
Lead	0.00058		0.00050		mg/L	1		6020A	Dissolved
Manganese	1.1		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0043		0.0020		mg/L	1		6020A	Dissolved
Sulfate	43		10		mg/L	2		9038	Dissolved
Chloride	44		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.20		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	470		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.16		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.20		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 500-123844-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0025		mg/L	1		6020A	Dissolved
Boron	0.17		0.050		mg/L	1		6020A	Dissolved
Sulfate	33		10		mg/L	2		9038	Dissolved
Chloride	29		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	23		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	520		10		mg/L	1		SM 2540C	Dissolved
Nitrogen, Nitrate Nitrite	23		2.5		mg/L	25		SM 4500 NO3 F	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: Duplicate

Lab Sample ID: 500-123844-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.040		0.0025		mg/L	1		6020A	Dissolved
Boron	0.17		0.050		mg/L	1		6020A	Dissolved
Sulfate	35		10		mg/L	2		9038	Dissolved
Chloride	30		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	28		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	520		10		mg/L	1		SM 2540C	Dissolved
Nitrogen, Nitrate Nitrite	28		2.5		mg/L	25		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-06

Lab Sample ID: 500-123844-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.079		0.0025		mg/L	1		6020A	Dissolved
Boron	0.29		0.050		mg/L	1		6020A	Dissolved
Iron	1.4		0.10		mg/L	1		6020A	Dissolved
Manganese	1.0		0.0025		mg/L	1		6020A	Dissolved
Sulfate	390		100		mg/L	20		9038	Dissolved
Chloride	190		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1000		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.26		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-07

Lab Sample ID: 500-123844-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.19		0.0010		mg/L	1		6020A	Dissolved
Barium	0.50		0.0025		mg/L	1		6020A	Dissolved
Boron	0.30		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0054		0.0010		mg/L	1		6020A	Dissolved
Iron	20		0.10		mg/L	1		6020A	Dissolved
Manganese	8.6		0.050		mg/L	20		6020A	Dissolved
Nickel	0.0054		0.0020		mg/L	1		6020A	Dissolved
Sulfate	49		10		mg/L	2		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.37		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-08

Lab Sample ID: 500-123844-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.071		0.0025		mg/L	1		6020A	Dissolved
Boron	0.87		0.050		mg/L	1		6020A	Dissolved
Iron	0.26		0.10		mg/L	1		6020A	Dissolved
Manganese	0.43		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0026		0.0020		mg/L	1		6020A	Dissolved
Sulfate	300		50		mg/L	10		9038	Dissolved
Chloride	360		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1400		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.32		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 500-123844-13

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-11 (Continued)

Lab Sample ID: 500-123844-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0077		0.0010		mg/L	1		6020A	Dissolved
Barium	0.17		0.0025		mg/L	1		6020A	Dissolved
Boron	1.3		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0021		0.0010		mg/L	1		6020A	Dissolved
Iron	0.80		0.10		mg/L	1		6020A	Dissolved
Manganese	3.7		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0036		0.0020		mg/L	1		6020A	Dissolved
Sulfate	270		100		mg/L	20		9038	Dissolved
Chloride	120		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	980		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.44		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-12

Lab Sample ID: 500-123844-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0022		0.0010		mg/L	1		6020A	Dissolved
Barium	0.059		0.0025		mg/L	1		6020A	Dissolved
Boron	0.40		0.050		mg/L	1		6020A	Dissolved
Iron	0.76		0.10		mg/L	1		6020A	Dissolved
Manganese	0.079		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0022		0.0020		mg/L	1		6020A	Dissolved
Sulfate	550		100		mg/L	20		9038	Dissolved
Chloride	190		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.42		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 500-123844-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.024		0.0050		mg/L	5		6020A	Dissolved
Barium	0.14		0.013		mg/L	5		6020A	Dissolved
Boron	3.0		0.10		mg/L	2		6020A	Dissolved
Iron	0.67		0.10		mg/L	1		6020A	Dissolved
Manganese	4.5		0.0025		mg/L	1		6020A	Dissolved
Sulfate	1700		500		mg/L	100		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	3500		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.31		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-14

Lab Sample ID: 500-123844-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.070		0.013		mg/L	5		6020A	Dissolved
Boron	2.3		0.10		mg/L	2		6020A	Dissolved
Iron	2.0		0.10		mg/L	1		6020A	Dissolved
Manganese	1.8		0.0025		mg/L	1		6020A	Dissolved
Sulfate	1500		500		mg/L	100		9038	Dissolved
Chloride	190		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	3200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.86		0.10		mg/L	1		SM 4500 F C	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-15

Lab Sample ID: 500-123844-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.048		0.013		mg/L	5		6020A	Dissolved
Boron	1.6		0.10		mg/L	2		6020A	Dissolved
Iron	0.66		0.10		mg/L	1		6020A	Dissolved
Manganese	0.43		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0050		0.0040		mg/L	2		6020A	Dissolved
Sulfate	610		130		mg/L	25		9038	Dissolved
Chloride	190	F1	10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1700		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.49		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-123844-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

TestAmerica Chicago

MWG13-15_62252
3/3/2017

Sample Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-123844-1	MW-01	Water	02/14/17 14:55	02/15/17 09:30
500-123844-2	MW-02	Water	02/14/17 10:02	02/15/17 09:30
500-123844-3	MW-03	Water	02/14/17 10:58	02/15/17 09:30
500-123844-4	MW-04	Water	02/14/17 12:12	02/15/17 09:30
500-123844-5	MW-05	Water	02/14/17 13:20	02/15/17 09:30
500-123844-6	MW-09	Water	02/15/17 11:28	02/16/17 10:30
500-123844-7	MW-10	Water	02/15/17 16:13	02/16/17 10:30
500-123844-8	MW-16	Water	02/15/17 09:58	02/16/17 10:30
500-123844-9	Duplicate	Water	02/15/17 00:00	02/16/17 10:30
500-123844-10	MW-06	Water	02/16/17 13:39	02/17/17 10:20
500-123844-11	MW-07	Water	02/16/17 14:36	02/17/17 10:20
500-123844-12	MW-08	Water	02/16/17 15:56	02/17/17 10:20
500-123844-13	MW-11	Water	02/16/17 10:18	02/17/17 10:20
500-123844-14	MW-12	Water	02/16/17 11:55	02/17/17 10:20
500-123844-15	MW-13	Water	02/17/17 09:59	02/17/17 19:50
500-123844-16	MW-14	Water	02/17/17 11:25	02/17/17 19:50
500-123844-17	MW-15	Water	02/17/17 13:08	02/17/17 19:50
500-123844-18	Trip Blank	Water	02/14/17 00:00	02/17/17 19:50

TestAmerica Chicago

MWG13-15_62253
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-01

Lab Sample ID: 500-123844-1

Date Collected: 02/14/17 14:55

Matrix: Water

Date Received: 02/15/17 09:30



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 14:28	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 14:28	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 14:28	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 14:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		71 - 127					02/20/17 14:28	1
Toluene-d8 (Surr)	96		75 - 120					02/20/17 14:28	1
4-Bromofluorobenzene (Surr)	89		71 - 120					02/20/17 14:28	1
Dibromofluoromethane	103		70 - 120					02/20/17 14:28	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 12:45	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		02/20/17 16:23	02/28/17 18:29	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:29	1
Barium	0.036		0.0025		mg/L		02/20/17 16:23	02/28/17 18:29	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:29	1
Boron	0.14		0.050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 18:29	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:29	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 18:29	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 18:29	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:29	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 18:29	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:29	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:29	1
Zinc	<0.020		0.020		mg/L		02/20/17 16:23	02/28/17 18:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020	F2	0.00020		mg/L		02/20/17 12:00	02/21/17 10:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:16	1
Sulfate	58		10		mg/L			02/23/17 03:48	2
Chloride	55		2.0		mg/L			02/19/17 19:29	1
Nitrogen, Nitrate	6.4		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	500		10		mg/L			02/21/17 01:16	1
Fluoride	0.42		0.10		mg/L			02/20/17 16:47	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:21	1
Nitrogen, Nitrate Nitrite	6.4		0.50		mg/L			02/20/17 22:51	5

TestAmerica Chicago

MWG13-15_62254

3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-02

Lab Sample ID: 500-123844-2

Date Collected: 02/14/17 10:02

Matrix: Water

Date Received: 02/15/17 09:30



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 14:57	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 14:57	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 14:57	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 14:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127		02/20/17 14:57	1
Toluene-d8 (Surr)	97		75 - 120		02/20/17 14:57	1
4-Bromofluorobenzene (Surr)	91		71 - 120		02/20/17 14:57	1
Dibromofluoromethane	102		70 - 120		02/20/17 14:57	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 13:37	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		02/20/17 16:23	02/28/17 18:32	1
Arsenic	0.0013		0.0010		mg/L		02/20/17 16:23	03/01/17 15:48	1
Barium	0.046		0.0025		mg/L		02/20/17 16:23	02/28/17 18:32	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:32	1
Boron	0.16		0.050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 18:32	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:32	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 18:32	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 18:32	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:32	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 18:32	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:32	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:32	1
Zinc	<0.020		0.020		mg/L		02/20/17 16:23	02/28/17 18:32	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:17	1
Sulfate	50		10		mg/L			02/25/17 22:30	2
Chloride	50		2.0		mg/L			02/19/17 19:30	1
Nitrogen, Nitrate	4.1		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	510		10		mg/L			02/21/17 01:24	1
Fluoride	0.22		0.10		mg/L			02/20/17 16:49	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:21	1
Nitrogen, Nitrate Nitrite	4.1		0.50		mg/L			02/20/17 22:52	5

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-03

Lab Sample ID: 500-123844-3

Date Collected: 02/14/17 10:58

Matrix: Water

Date Received: 02/15/17 09:30



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 15:27	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 15:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 15:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127					02/20/17 15:27	1
Toluene-d8 (Surr)	98		75 - 120					02/20/17 15:27	1
4-Bromofluorobenzene (Surr)	90		71 - 120					02/20/17 15:27	1
Dibromofluoromethane	103		70 - 120					02/20/17 15:27	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 16:23	02/28/17 18:36	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:36	1
Barium	0.059		0.0025		mg/L		02/20/17 16:23	02/28/17 18:36	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:36	1
Boron	0.19		0.050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 18:36	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:36	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 18:36	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 18:36	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:36	1
Selenium	0.0036		0.0025		mg/L		02/20/17 16:23	03/02/17 12:04	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:36	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:36	1
Zinc	<0.020		0.020		mg/L		02/20/17 16:23	02/28/17 18:36	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:18	1
Sulfate	50		10		mg/L			02/25/17 22:31	2
Chloride	47		2.0		mg/L			02/19/17 19:31	1
Nitrogen, Nitrate	4.6		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	460		10		mg/L			02/21/17 01:26	1
Fluoride	0.24		0.10		mg/L			02/20/17 16:52	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:21	1
Nitrogen, Nitrate Nitrite	4.6		0.50		mg/L			02/20/17 22:53	5

TestAmerica Chicago

MWG13-15_62256
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-04

Lab Sample ID: 500-123844-4

Date Collected: 02/14/17 12:12

Matrix: Water

Date Received: 02/15/17 09:30



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 15:56	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 15:56	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 15:56	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127		02/20/17 15:56	1
Toluene-d8 (Surr)	96		75 - 120		02/20/17 15:56	1
4-Bromofluorobenzene (Surr)	90		71 - 120		02/20/17 15:56	1
Dibromofluoromethane	103		70 - 120		02/20/17 15:56	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 14:12	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		02/20/17 16:23	02/28/17 18:55	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:55	1
Barium	0.022		0.0025		mg/L		02/20/17 16:23	02/28/17 18:55	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:55	1
Boron	0.48		0.050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 18:55	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:55	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 18:55	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Manganese	0.19		0.0025		mg/L		02/20/17 16:23	02/28/17 18:55	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:55	1
Selenium	0.0049		0.0025		mg/L		02/20/17 16:23	03/02/17 12:23	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:55	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:55	1
Zinc	<0.020		0.020		mg/L		02/20/17 16:23	02/28/17 18:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:55	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:19	1
Sulfate	68		20		mg/L			02/25/17 22:33	4
Chloride	56		2.0		mg/L			02/19/17 19:32	1
Nitrogen, Nitrate	0.64		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	510		10		mg/L			02/21/17 01:28	1
Fluoride	0.25		0.10		mg/L			02/20/17 16:54	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:22	1
Nitrogen, Nitrate Nitrite	0.64		0.10		mg/L			02/20/17 21:51	1

TestAmerica Chicago

MWG13-15_62257

3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-05

Lab Sample ID: 500-123844-5

Date Collected: 02/14/17 13:20

Matrix: Water

Date Received: 02/15/17 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 16:26	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 16:26	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 16:26	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127					02/20/17 16:26	1
Toluene-d8 (Surr)	97		75 - 120					02/20/17 16:26	1
4-Bromofluorobenzene (Surr)	89		71 - 120					02/20/17 16:26	1
Dibromofluoromethane	105		70 - 120					02/20/17 16:26	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 14:29	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		02/20/17 16:23	02/28/17 19:06	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:06	1
Barium	0.052		0.0025		mg/L		02/20/17 16:23	02/28/17 19:06	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:06	1
Boron	0.59		0.050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:06	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:06	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 19:06	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Manganese	0.0068		0.0025		mg/L		02/20/17 16:23	02/28/17 19:06	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:06	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:06	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:06	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:06	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:06	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:19	1
Sulfate	130		50		mg/L			02/25/17 22:34	10
Chloride	98		10		mg/L			02/19/17 20:15	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	720		10		mg/L			02/21/17 01:31	1
Fluoride	0.27		0.10		mg/L			02/20/17 16:57	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:22	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 21:53	1

TestAmerica Chicago

MWG13-15_62258

3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-09

Lab Sample ID: 500-123844-6

Date Collected: 02/15/17 11:28

Matrix: Water

Date Received: 02/16/17 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 16:55	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 16:55	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 16:55	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		71 - 127		02/20/17 16:55	1
Toluene-d8 (Surr)	98		75 - 120		02/20/17 16:55	1
4-Bromofluorobenzene (Surr)	89		71 - 120		02/20/17 16:55	1
Dibromofluoromethane	103		70 - 120		02/20/17 16:55	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 14:46	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		02/20/17 16:23	02/28/17 19:10	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:10	1
Barium	0.038		0.0025		mg/L		02/20/17 16:23	02/28/17 19:10	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:10	1
Boron	3.0		0.050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:10	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:10	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 19:10	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Manganese	0.088		0.0025		mg/L		02/20/17 16:23	02/28/17 19:10	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:10	1
Selenium	0.0063		0.0025		mg/L		02/20/17 16:23	03/02/17 12:27	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:10	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:10	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:20	1
Sulfate	120		50		mg/L			02/25/17 22:37	10
Chloride	38		2.0		mg/L			02/19/17 19:39	1
Nitrogen, Nitrate	5.2		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	590		10		mg/L			02/22/17 21:56	1
Fluoride	0.14		0.10		mg/L			02/20/17 17:06	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/16/17 11:41	1
Nitrogen, Nitrate Nitrite	5.2		0.50		mg/L			02/20/17 22:54	5

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-10

Lab Sample ID: 500-123844-7

Date Collected: 02/15/17 16:13

Matrix: Water

Date Received: 02/16/17 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 17:24	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 17:24	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 17:24	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127					02/20/17 17:24	1
Toluene-d8 (Surr)	98		75 - 120					02/20/17 17:24	1
4-Bromofluorobenzene (Surr)	90		71 - 120					02/20/17 17:24	1
Dibromofluoromethane	104		70 - 120					02/20/17 17:24	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 15:39	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		02/20/17 16:23	02/28/17 19:14	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:14	1
Barium	0.19		0.0025		mg/L		02/20/17 16:23	02/28/17 19:14	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:14	1
Boron	0.48		0.050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Cobalt	0.0018		0.0010		mg/L		02/20/17 16:23	02/28/17 19:14	1
Copper	0.0021		0.0020		mg/L		02/20/17 16:23	02/28/17 19:14	1
Iron	0.22		0.10		mg/L		02/20/17 16:23	02/28/17 19:14	1
Lead	0.00058		0.00050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Manganese	1.1		0.0025		mg/L		02/20/17 16:23	02/28/17 19:14	1
Nickel	0.0043		0.0020		mg/L		02/20/17 16:23	02/28/17 19:14	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:14	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:14	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:14	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:59	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:21	1
Sulfate	43		10		mg/L			02/25/17 22:39	2
Chloride	44		2.0		mg/L			02/19/17 19:40	1
Nitrogen, Nitrate	0.20		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	470		10		mg/L			02/22/17 21:59	1
Fluoride	0.16		0.10		mg/L			02/20/17 17:08	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/16/17 11:42	1
Nitrogen, Nitrate Nitrite	0.20		0.10		mg/L			02/20/17 22:55	1

TestAmerica Chicago

MWG13-15_62260
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-16

Lab Sample ID: 500-123844-8

Date Collected: 02/15/17 09:58

Matrix: Water

Date Received: 02/16/17 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 17:54	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 17:54	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 17:54	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 17:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127					02/20/17 17:54	1
Toluene-d8 (Surr)	96		75 - 120					02/20/17 17:54	1
4-Bromofluorobenzene (Surr)	89		71 - 120					02/20/17 17:54	1
Dibromofluoromethane	104		70 - 120					02/20/17 17:54	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 15:56	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		02/20/17 16:23	02/28/17 19:18	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:18	1
Barium	0.040		0.0025		mg/L		02/20/17 16:23	02/28/17 19:18	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:18	1
Boron	0.17		0.050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:18	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:18	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 19:18	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 19:18	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:18	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:18	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:18	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:18	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:22	1
Sulfate	33		10		mg/L			02/25/17 22:40	2
Chloride	29		2.0		mg/L			02/19/17 19:40	1
Nitrogen, Nitrate	23		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	520		10		mg/L			02/22/17 22:01	1
Fluoride	<0.10		0.10		mg/L			02/20/17 17:11	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/16/17 11:42	1
Nitrogen, Nitrate Nitrite	23		2.5		mg/L			02/20/17 22:56	25

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: Duplicate

Lab Sample ID: 500-123844-9

Date Collected: 02/15/17 00:00

Matrix: Water

Date Received: 02/16/17 10:30



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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 18:23	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 18:23	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 18:23	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 18:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127					02/20/17 18:23	1
Toluene-d8 (Surr)	97		75 - 120					02/20/17 18:23	1
4-Bromofluorobenzene (Surr)	91		71 - 120					02/20/17 18:23	1
Dibromofluoromethane	103		70 - 120					02/20/17 18:23	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 16:14	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		02/20/17 16:23	02/28/17 19:22	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:22	1
Barium	0.040		0.0025		mg/L		02/20/17 16:23	02/28/17 19:22	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:22	1
Boron	0.17		0.050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:22	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:22	1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 19:22	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 19:22	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:22	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:22	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:22	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:22	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:02	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:22	1
Sulfate	35		10		mg/L			02/25/17 22:41	2
Chloride	30		2.0		mg/L			02/19/17 19:41	1
Nitrogen, Nitrate	28		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	520		10		mg/L			02/22/17 22:04	1
Fluoride	<0.10		0.10		mg/L			02/20/17 17:14	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/16/17 11:43	1
Nitrogen, Nitrate Nitrite	28		2.5		mg/L			02/21/17 00:02	25

TestAmerica Chicago

MWG13-15_62262
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-06

Lab Sample ID: 500-123844-10

Date Collected: 02/16/17 13:39

Matrix: Water

Date Received: 02/17/17 10:20



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			02/20/17 18:52	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 18:52	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 18:52	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 18:52	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127		02/20/17 18:52	1
Toluene-d8 (Surr)	97		75 - 120		02/20/17 18:52	1
4-Bromofluorobenzene (Surr)	90		71 - 120		02/20/17 18:52	1
Dibromofluoromethane	105		70 - 120		02/20/17 18:52	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 16:31	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		02/20/17 16:23	02/28/17 19:25	1
Arsenic	<0.0010		0.0010		mg/L		02/20/17 16:23	03/01/17 16:26	1
Barium	0.079		0.0025		mg/L		02/20/17 16:23	02/28/17 19:25	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:25	1
Boron	0.29		0.050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:25	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:25	1
Iron	1.4		0.10		mg/L		02/20/17 16:23	02/28/17 19:25	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Manganese	1.0		0.0025		mg/L		02/20/17 16:23	02/28/17 19:25	1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:25	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:25	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:25	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:25	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:22	1
Sulfate	390		100		mg/L			02/26/17 23:43	20
Chloride	190		10		mg/L			02/19/17 19:42	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	1000		10		mg/L			02/22/17 22:33	1
Fluoride	0.26		0.10		mg/L			02/20/17 17:17	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:46	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:08	1

TestAmerica Chicago

MWG13-15_62263
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-07

Lab Sample ID: 500-123844-11

Date Collected: 02/16/17 14:36

Matrix: Water

Date Received: 02/17/17 10:20



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			02/20/17 19:22	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 19:22	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 19:22	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 19:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127					02/20/17 19:22	1
Toluene-d8 (Surr)	98		75 - 120					02/20/17 19:22	1
4-Bromofluorobenzene (Surr)	90		71 - 120					02/20/17 19:22	1
Dibromofluoromethane	105		70 - 120					02/20/17 19:22	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 16:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 16:23	02/28/17 19:29	1
Arsenic	0.19		0.0010		mg/L		02/20/17 16:23	03/01/17 16:30	1
Barium	0.50		0.0025		mg/L		02/20/17 16:23	02/28/17 19:29	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:29	1
Boron	0.30		0.050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Cobalt	0.0054		0.0010		mg/L		02/20/17 16:23	02/28/17 19:29	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:29	1
Iron	20		0.10		mg/L		02/20/17 16:23	02/28/17 19:29	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Manganese	8.6		0.050		mg/L		02/20/17 16:23	03/02/17 11:28	20
Nickel	0.0054		0.0020		mg/L		02/20/17 16:23	02/28/17 19:29	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:29	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:29	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:29	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:05	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:23	1
Sulfate	49		10		mg/L			02/26/17 23:44	2
Chloride	170		10		mg/L			02/19/17 19:43	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	1200		10		mg/L			02/22/17 22:38	1
Fluoride	0.37		0.10		mg/L			02/20/17 17:20	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:47	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:10	1

TestAmerica Chicago

MWG13-15_62264
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-08

Lab Sample ID: 500-123844-12

Date Collected: 02/16/17 15:56

Matrix: Water

Date Received: 02/17/17 10:20

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			02/20/17 13:48	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 13:48	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 13:48	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 13:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		71 - 127		02/20/17 13:48	1
Toluene-d8 (Surr)	87		75 - 120		02/20/17 13:48	1
4-Bromofluorobenzene (Surr)	86		71 - 120		02/20/17 13:48	1
Dibromofluoromethane	92		70 - 120		02/20/17 13:48	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 17:06	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		02/20/17 16:23	02/28/17 19:33	1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:33	1
Barium	0.071		0.0025		mg/L		02/20/17 16:23	02/28/17 19:33	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:33	1
Boron	0.87		0.050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:33	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:33	1
Iron	0.26		0.10		mg/L		02/20/17 16:23	02/28/17 19:33	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Manganese	0.43		0.0025		mg/L		02/20/17 16:23	02/28/17 19:33	1
Nickel	0.0026		0.0020		mg/L		02/20/17 16:23	02/28/17 19:33	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:33	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:33	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:33	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:09	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:23	1
Sulfate	300		50		mg/L			02/26/17 23:46	10
Chloride	360		10		mg/L			02/19/17 19:43	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	1400		10		mg/L			02/22/17 22:40	1
Fluoride	0.32		0.10		mg/L			02/20/17 17:22	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:47	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:12	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-11

Lab Sample ID: 500-123844-13

Date Collected: 02/16/17 10:18

Matrix: Water

Date Received: 02/17/17 10:20



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			02/20/17 14:14	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 14:14	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 14:14	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127		02/20/17 14:14	1
Toluene-d8 (Surr)	87		75 - 120		02/20/17 14:14	1
4-Bromofluorobenzene (Surr)	86		71 - 120		02/20/17 14:14	1
Dibromofluoromethane	88		70 - 120		02/20/17 14:14	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 17:23	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		02/20/17 16:23	02/28/17 19:37	1
Arsenic	0.0077		0.0010		mg/L		02/20/17 16:23	03/01/17 16:34	1
Barium	0.17		0.0025		mg/L		02/20/17 16:23	02/28/17 19:37	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:37	1
Boron	1.3		0.050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Cobalt	0.0021		0.0010		mg/L		02/20/17 16:23	02/28/17 19:37	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:37	1
Iron	0.80		0.10		mg/L		02/20/17 16:23	02/28/17 19:37	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Manganese	3.7		0.0025		mg/L		02/20/17 16:23	02/28/17 19:37	1
Nickel	0.0036		0.0020		mg/L		02/20/17 16:23	02/28/17 19:37	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:37	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:37	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:37	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:37	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:11	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:24	1
Sulfate	270		100		mg/L			02/26/17 23:49	20
Chloride	120		10		mg/L			02/19/17 20:17	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	980		10		mg/L			02/22/17 22:43	1
Fluoride	0.44		0.10		mg/L			02/20/17 17:25	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:48	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:14	1

TestAmerica Chicago

MWG13-15_62266
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-12

Lab Sample ID: 500-123844-14

Date Collected: 02/16/17 11:55

Matrix: Water

Date Received: 02/17/17 10:20

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			02/20/17 14:41	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 14:41	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 14:41	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 14:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127		02/20/17 14:41	1
Toluene-d8 (Surr)	85		75 - 120		02/20/17 14:41	1
4-Bromofluorobenzene (Surr)	84		71 - 120		02/20/17 14:41	1
Dibromofluoromethane	90		70 - 120		02/20/17 14:41	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 17:41	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		02/20/17 16:23	02/28/17 19:40	1
Arsenic	0.0022		0.0010		mg/L		02/20/17 16:23	03/01/17 16:38	1
Barium	0.059		0.0025		mg/L		02/20/17 16:23	02/28/17 19:40	1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 19:40	1
Boron	0.40		0.050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:40	1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:40	1
Iron	0.76		0.10		mg/L		02/20/17 16:23	02/28/17 19:40	1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Manganese	0.079		0.0025		mg/L		02/20/17 16:23	02/28/17 19:40	1
Nickel	0.0022		0.0020		mg/L		02/20/17 16:23	02/28/17 19:40	1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 19:40	1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:40	1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 19:40	1
Zinc	<0.020	^	0.020		mg/L		02/20/17 16:23	02/28/17 19:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:24	1
Sulfate	550		100		mg/L			02/26/17 23:50	20
Chloride	190		10		mg/L			02/19/17 19:46	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	1200		10		mg/L			02/22/17 22:46	1
Fluoride	0.42		0.10		mg/L			02/20/17 17:27	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:49	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:18	1

TestAmerica Chicago

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-13

Date Collected: 02/17/17 09:59

Date Received: 02/17/17 19:50

Lab Sample ID: 500-123844-15

Matrix: Water



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			02/20/17 15:08	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 15:08	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 15:08	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 15:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 127		02/20/17 15:08	1
Toluene-d8 (Surr)	87		75 - 120		02/20/17 15:08	1
4-Bromofluorobenzene (Surr)	85		71 - 120		02/20/17 15:08	1
Dibromofluoromethane	89		70 - 120		02/20/17 15:08	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 17:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060		mg/L		02/20/17 16:23	02/28/17 19:55	2
Arsenic	0.024		0.0050		mg/L		02/20/17 16:23	03/02/17 11:32	5
Barium	0.14		0.013		mg/L		02/20/17 16:23	03/02/17 11:32	5
Beryllium	<0.0020	^	0.0020		mg/L		02/20/17 16:23	02/28/17 19:55	2
Boron	3.0		0.10		mg/L		02/20/17 16:23	02/28/17 19:55	2
Cadmium	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:55	2
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:18	1
Cobalt	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:55	2
Copper	<0.0040	^	0.0040		mg/L		02/20/17 16:23	02/28/17 19:55	2
Iron	0.67		0.10		mg/L		02/20/17 16:23	02/28/17 20:18	1
Lead	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:55	2
Manganese	4.5		0.0025		mg/L		02/20/17 16:23	02/28/17 20:18	1
Nickel	<0.0040		0.0040		mg/L		02/20/17 16:23	02/28/17 19:55	2
Selenium	<0.0050	^	0.0050		mg/L		02/20/17 16:23	03/01/17 16:53	2
Silver	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:55	2
Thallium	<0.0040		0.0040		mg/L		02/20/17 16:23	02/28/17 19:55	2
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:18	1
Zinc	<0.040	^	0.040		mg/L		02/20/17 16:23	02/28/17 19:55	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:25	1
Sulfate	1700		500		mg/L			02/26/17 23:52	100
Chloride	170		10		mg/L			02/19/17 19:46	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	3500		10		mg/L			02/22/17 22:48	1
Fluoride	0.31		0.10		mg/L			02/20/17 17:30	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/18/17 15:06	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:21	1

TestAmerica Chicago

MWG13-15_62268
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-14

Lab Sample ID: 500-123844-16

Date Collected: 02/17/17 11:25

Matrix: Water

Date Received: 02/17/17 19:50

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			02/20/17 15:34	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 15:34	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 15:34	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		71 - 127		02/20/17 15:34	1
Toluene-d8 (Surr)	88		75 - 120		02/20/17 15:34	1
4-Bromofluorobenzene (Surr)	84		71 - 120		02/20/17 15:34	1
Dibromofluoromethane	88		70 - 120		02/20/17 15:34	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060		mg/L		02/20/17 16:23	02/28/17 19:59	2
Arsenic	<0.0020	^	0.0020		mg/L		02/20/17 16:23	02/28/17 19:59	2
Barium	0.070		0.013		mg/L		02/20/17 16:23	03/02/17 11:35	5
Beryllium	<0.0020	^	0.0020		mg/L		02/20/17 16:23	02/28/17 19:59	2
Boron	2.3		0.10		mg/L		02/20/17 16:23	02/28/17 19:59	2
Cadmium	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:59	2
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:22	1
Cobalt	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 19:59	2
Copper	<0.0040	^	0.0040		mg/L		02/20/17 16:23	02/28/17 19:59	2
Iron	2.0		0.10		mg/L		02/20/17 16:23	02/28/17 20:22	1
Lead	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:59	2
Manganese	1.8		0.0025		mg/L		02/20/17 16:23	02/28/17 20:22	1
Nickel	<0.0040		0.0040		mg/L		02/20/17 16:23	02/28/17 19:59	2
Selenium	<0.0050	^	0.0050		mg/L		02/20/17 16:23	03/01/17 16:57	2
Silver	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 19:59	2
Thallium	<0.0040		0.0040		mg/L		02/20/17 16:23	02/28/17 19:59	2
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:22	1
Zinc	<0.040	^	0.040		mg/L		02/20/17 16:23	02/28/17 19:59	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:15	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:25	1
Sulfate	1500		500		mg/L			02/26/17 23:53	100
Chloride	190		10		mg/L			02/19/17 19:47	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	3200		10		mg/L			02/22/17 22:51	1
Fluoride	0.86		0.10		mg/L			02/20/17 17:38	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/18/17 15:07	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:22	1

TestAmerica Chicago

MWG13-15_62269

3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-15

Date Collected: 02/17/17 13:08

Date Received: 02/17/17 19:50

Lab Sample ID: 500-123844-17

Matrix: Water

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			02/20/17 16:01	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 16:01	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 16:01	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127		02/20/17 16:01	1
Toluene-d8 (Surr)	88		75 - 120		02/20/17 16:01	1
4-Bromofluorobenzene (Surr)	84		71 - 120		02/20/17 16:01	1
Dibromofluoromethane	88		70 - 120		02/20/17 16:01	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0060		0.0060		mg/L		02/20/17 16:23	02/28/17 20:03	2
Arsenic	<0.0050		0.0050		mg/L		02/20/17 16:23	03/02/17 11:39	5
Barium	0.048		0.013		mg/L		02/20/17 16:23	03/02/17 11:39	5
Beryllium	<0.0020	^	0.0020		mg/L		02/20/17 16:23	02/28/17 20:03	2
Boron	1.6		0.10		mg/L		02/20/17 16:23	02/28/17 20:03	2
Cadmium	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 20:03	2
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:26	1
Cobalt	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 20:03	2
Copper	<0.0040	^	0.0040		mg/L		02/20/17 16:23	02/28/17 20:03	2
Iron	0.66		0.10		mg/L		02/20/17 16:23	02/28/17 20:26	1
Lead	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 20:03	2
Manganese	0.43		0.0025		mg/L		02/20/17 16:23	02/28/17 20:26	1
Nickel	0.0050		0.0040		mg/L		02/20/17 16:23	02/28/17 20:03	2
Selenium	<0.013		0.013		mg/L		02/20/17 16:23	03/02/17 11:39	5
Silver	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 20:03	2
Thallium	<0.0040		0.0040		mg/L		02/20/17 16:23	02/28/17 20:03	2
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 20:26	1
Zinc	<0.040	^	0.040		mg/L		02/20/17 16:23	02/28/17 20:03	2

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 11:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:27	1
Sulfate	610		130		mg/L			02/26/17 23:54	25
Chloride	190	F1	10		mg/L			02/19/17 19:47	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			02/21/17 17:16	1
Total Dissolved Solids	1700		10		mg/L			02/22/17 22:53	1
Fluoride	0.49		0.10		mg/L			02/20/17 17:41	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/18/17 15:07	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 22:23	1

TestAmerica Chicago

MWG13-15_62270
3/3/2017

Client Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-123844-18

Date Collected: 02/14/17 00:00

Matrix: Water

Date Received: 02/17/17 19:50

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			02/20/17 16:28	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 16:28	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 16:28	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 16:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 127					02/20/17 16:28	1
Toluene-d8 (Surr)	88		75 - 120					02/20/17 16:28	1
4-Bromofluorobenzene (Surr)	88		71 - 120					02/20/17 16:28	1
Dibromofluoromethane	88		70 - 120					02/20/17 16:28	1



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MWG13-15_62271
3/3/2017

Definitions/Glossary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Qualifiers

Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

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

Glossary

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

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MWG13-15_62272
3/3/2017

QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

GC/MS VOA

Analysis Batch: 372686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-12	MW-08	Total/NA	Water	8260B	
500-123844-13	MW-11	Total/NA	Water	8260B	
500-123844-14	MW-12	Total/NA	Water	8260B	
500-123844-15	MW-13	Total/NA	Water	8260B	
500-123844-16	MW-14	Total/NA	Water	8260B	
500-123844-17	MW-15	Total/NA	Water	8260B	
500-123844-18	Trip Blank	Total/NA	Water	8260B	
MB 500-372686/6	Method Blank	Total/NA	Water	8260B	
LCS 500-372686/7	Lab Control Sample	Total/NA	Water	8260B	
500-123844-17 MS	MW-15	Total/NA	Water	8260B	
500-123844-17 MSD	MW-15	Total/NA	Water	8260B	

Analysis Batch: 372688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Total/NA	Water	8260B	
500-123844-2	MW-02	Total/NA	Water	8260B	
500-123844-3	MW-03	Total/NA	Water	8260B	
500-123844-4	MW-04	Total/NA	Water	8260B	
500-123844-5	MW-05	Total/NA	Water	8260B	
500-123844-6	MW-09	Total/NA	Water	8260B	
500-123844-7	MW-10	Total/NA	Water	8260B	
500-123844-8	MW-16	Total/NA	Water	8260B	
500-123844-9	Duplicate	Total/NA	Water	8260B	
500-123844-10	MW-06	Total/NA	Water	8260B	
500-123844-11	MW-07	Total/NA	Water	8260B	
MB 500-372688/27	Method Blank	Total/NA	Water	8260B	
LCS 500-372688/4	Lab Control Sample	Total/NA	Water	8260B	
500-123844-11 MS	MW-07	Total/NA	Water	8260B	
500-123844-11 MSD	MW-07	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 152330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Total/NA	Water	314.0	
500-123844-2	MW-02	Total/NA	Water	314.0	
500-123844-3	MW-03	Total/NA	Water	314.0	
500-123844-4	MW-04	Total/NA	Water	314.0	
500-123844-5	MW-05	Total/NA	Water	314.0	
500-123844-6	MW-09	Total/NA	Water	314.0	
500-123844-7	MW-10	Total/NA	Water	314.0	
500-123844-8	MW-16	Total/NA	Water	314.0	
500-123844-9	Duplicate	Total/NA	Water	314.0	
500-123844-10	MW-06	Total/NA	Water	314.0	
500-123844-11	MW-07	Total/NA	Water	314.0	
500-123844-12	MW-08	Total/NA	Water	314.0	
500-123844-13	MW-11	Total/NA	Water	314.0	
500-123844-14	MW-12	Total/NA	Water	314.0	
500-123844-15	MW-13	Total/NA	Water	314.0	
500-123844-16	MW-14	Total/NA	Water	314.0	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

HPLC/IC (Continued)

Analysis Batch: 152330 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-17	MW-15	Total/NA	Water	314.0	
MB 320-152330/5	Method Blank	Total/NA	Water	314.0	
LCS 320-152330/6	Lab Control Sample	Total/NA	Water	314.0	
MRL 320-152330/4	Lab Control Sample	Total/NA	Water	314.0	
500-123844-1 MS	MW-01	Total/NA	Water	314.0	
500-123844-1 MSD	MW-01	Total/NA	Water	314.0	

Metals

Prep Batch: 372758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	7470A	
500-123844-2	MW-02	Dissolved	Water	7470A	
500-123844-3	MW-03	Dissolved	Water	7470A	
500-123844-4	MW-04	Dissolved	Water	7470A	
500-123844-5	MW-05	Dissolved	Water	7470A	
500-123844-6	MW-09	Dissolved	Water	7470A	
500-123844-7	MW-10	Dissolved	Water	7470A	
500-123844-8	MW-16	Dissolved	Water	7470A	
500-123844-9	Duplicate	Dissolved	Water	7470A	
500-123844-10	MW-06	Dissolved	Water	7470A	
500-123844-11	MW-07	Dissolved	Water	7470A	
500-123844-12	MW-08	Dissolved	Water	7470A	
500-123844-13	MW-11	Dissolved	Water	7470A	
500-123844-14	MW-12	Dissolved	Water	7470A	
500-123844-15	MW-13	Dissolved	Water	7470A	
500-123844-16	MW-14	Dissolved	Water	7470A	
500-123844-17	MW-15	Dissolved	Water	7470A	
MB 500-372758/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-372758/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-123844-1 MS	MW-01	Dissolved	Water	7470A	
500-123844-1 MSD	MW-01	Dissolved	Water	7470A	
500-123844-1 DU	MW-01	Dissolved	Water	7470A	

Prep Batch: 372809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	Soluble Metals	
500-123844-2	MW-02	Dissolved	Water	Soluble Metals	
500-123844-3	MW-03	Dissolved	Water	Soluble Metals	
500-123844-4	MW-04	Dissolved	Water	Soluble Metals	
500-123844-5	MW-05	Dissolved	Water	Soluble Metals	
500-123844-6	MW-09	Dissolved	Water	Soluble Metals	
500-123844-7	MW-10	Dissolved	Water	Soluble Metals	
500-123844-8	MW-16	Dissolved	Water	Soluble Metals	
500-123844-9	Duplicate	Dissolved	Water	Soluble Metals	
500-123844-10	MW-06	Dissolved	Water	Soluble Metals	
500-123844-11	MW-07	Dissolved	Water	Soluble Metals	
500-123844-12	MW-08	Dissolved	Water	Soluble Metals	
500-123844-13	MW-11	Dissolved	Water	Soluble Metals	
500-123844-14	MW-12	Dissolved	Water	Soluble Metals	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Metals (Continued)

Prep Batch: 372809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-15	MW-13	Dissolved	Water	Soluble Metals	
500-123844-16	MW-14	Dissolved	Water	Soluble Metals	
500-123844-17	MW-15	Dissolved	Water	Soluble Metals	
MB 500-372809/1-A	Method Blank	Soluble	Water	Soluble Metals	
LCS 500-372809/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
500-123844-3 MS	MW-03	Dissolved	Water	Soluble Metals	
500-123844-3 MSD	MW-03	Dissolved	Water	Soluble Metals	
500-123844-3 DU	MW-03	Dissolved	Water	Soluble Metals	

Analysis Batch: 372932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	7470A	372758
500-123844-2	MW-02	Dissolved	Water	7470A	372758
500-123844-3	MW-03	Dissolved	Water	7470A	372758
500-123844-4	MW-04	Dissolved	Water	7470A	372758
500-123844-5	MW-05	Dissolved	Water	7470A	372758
500-123844-6	MW-09	Dissolved	Water	7470A	372758
500-123844-7	MW-10	Dissolved	Water	7470A	372758
500-123844-8	MW-16	Dissolved	Water	7470A	372758
500-123844-9	Duplicate	Dissolved	Water	7470A	372758
500-123844-10	MW-06	Dissolved	Water	7470A	372758
500-123844-11	MW-07	Dissolved	Water	7470A	372758
500-123844-12	MW-08	Dissolved	Water	7470A	372758
500-123844-13	MW-11	Dissolved	Water	7470A	372758
500-123844-14	MW-12	Dissolved	Water	7470A	372758
500-123844-15	MW-13	Dissolved	Water	7470A	372758
500-123844-16	MW-14	Dissolved	Water	7470A	372758
500-123844-17	MW-15	Dissolved	Water	7470A	372758
MB 500-372758/12-A	Method Blank	Total/NA	Water	7470A	372758
LCS 500-372758/13-A	Lab Control Sample	Total/NA	Water	7470A	372758
500-123844-1 MS	MW-01	Dissolved	Water	7470A	372758
500-123844-1 MSD	MW-01	Dissolved	Water	7470A	372758
500-123844-1 DU	MW-01	Dissolved	Water	7470A	372758

Analysis Batch: 373984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	6020A	372809
500-123844-2	MW-02	Dissolved	Water	6020A	372809
500-123844-3	MW-03	Dissolved	Water	6020A	372809
500-123844-4	MW-04	Dissolved	Water	6020A	372809
500-123844-5	MW-05	Dissolved	Water	6020A	372809
500-123844-6	MW-09	Dissolved	Water	6020A	372809
500-123844-7	MW-10	Dissolved	Water	6020A	372809
500-123844-8	MW-16	Dissolved	Water	6020A	372809
500-123844-9	Duplicate	Dissolved	Water	6020A	372809
500-123844-10	MW-06	Dissolved	Water	6020A	372809
500-123844-11	MW-07	Dissolved	Water	6020A	372809
500-123844-12	MW-08	Dissolved	Water	6020A	372809
500-123844-13	MW-11	Dissolved	Water	6020A	372809
500-123844-14	MW-12	Dissolved	Water	6020A	372809
500-123844-15	MW-13	Dissolved	Water	6020A	372809

TestAmerica Chicago

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Metals (Continued)

Analysis Batch: 373984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-15	MW-13	Dissolved	Water	6020A	372809
500-123844-16	MW-14	Dissolved	Water	6020A	372809
500-123844-16	MW-14	Dissolved	Water	6020A	372809
500-123844-17	MW-15	Dissolved	Water	6020A	372809
500-123844-17	MW-15	Dissolved	Water	6020A	372809
MB 500-372809/1-A	Method Blank	Soluble	Water	6020A	372809
LCS 500-372809/2-A	Lab Control Sample	Soluble	Water	6020A	372809
500-123844-3 MS	MW-03	Dissolved	Water	6020A	372809
500-123844-3 MSD	MW-03	Dissolved	Water	6020A	372809
500-123844-3 DU	MW-03	Dissolved	Water	6020A	372809

Analysis Batch: 374154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-2	MW-02	Dissolved	Water	6020A	372809
500-123844-10	MW-06	Dissolved	Water	6020A	372809
500-123844-11	MW-07	Dissolved	Water	6020A	372809
500-123844-13	MW-11	Dissolved	Water	6020A	372809
500-123844-14	MW-12	Dissolved	Water	6020A	372809
500-123844-15	MW-13	Dissolved	Water	6020A	372809
500-123844-16	MW-14	Dissolved	Water	6020A	372809

Analysis Batch: 374235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-3	MW-03	Dissolved	Water	6020A	372809
500-123844-4	MW-04	Dissolved	Water	6020A	372809
500-123844-6	MW-09	Dissolved	Water	6020A	372809
500-123844-11	MW-07	Dissolved	Water	6020A	372809
500-123844-15	MW-13	Dissolved	Water	6020A	372809
500-123844-16	MW-14	Dissolved	Water	6020A	372809
500-123844-17	MW-15	Dissolved	Water	6020A	372809
500-123844-3 MS	MW-03	Dissolved	Water	6020A	372809
500-123844-3 MSD	MW-03	Dissolved	Water	6020A	372809
500-123844-3 DU	MW-03	Dissolved	Water	6020A	372809

General Chemistry

Analysis Batch: 372329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-123844-2	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-123844-3	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-123844-4	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-123844-5	MW-05	Dissolved	Water	SM 4500 NO2 B	
MB 500-372329/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-372329/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 372536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-10	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-123844-11	MW-07	Dissolved	Water	SM 4500 NO2 B	

TestAmerica Chicago

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

General Chemistry (Continued)

Analysis Batch: 372536 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-12	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-123844-13	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-123844-14	MW-12	Dissolved	Water	SM 4500 NO2 B	
MB 500-372536/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-372536/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-123844-12 MS	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-123844-12 MSD	MW-08	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 372537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-6	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-123844-7	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-123844-8	MW-16	Dissolved	Water	SM 4500 NO2 B	
500-123844-9	Duplicate	Dissolved	Water	SM 4500 NO2 B	
MB 500-372537/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-372537/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-123844-6 MS	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-123844-6 MSD	MW-09	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 372667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	9251	
500-123844-2	MW-02	Dissolved	Water	9251	
500-123844-3	MW-03	Dissolved	Water	9251	
500-123844-4	MW-04	Dissolved	Water	9251	
500-123844-5	MW-05	Dissolved	Water	9251	
500-123844-6	MW-09	Dissolved	Water	9251	
500-123844-7	MW-10	Dissolved	Water	9251	
500-123844-8	MW-16	Dissolved	Water	9251	
500-123844-9	Duplicate	Dissolved	Water	9251	
500-123844-10	MW-06	Dissolved	Water	9251	
500-123844-11	MW-07	Dissolved	Water	9251	
500-123844-12	MW-08	Dissolved	Water	9251	
500-123844-13	MW-11	Dissolved	Water	9251	
500-123844-14	MW-12	Dissolved	Water	9251	
500-123844-15	MW-13	Dissolved	Water	9251	
500-123844-16	MW-14	Dissolved	Water	9251	
500-123844-17	MW-15	Dissolved	Water	9251	
MB 500-372667/12	Method Blank	Total/NA	Water	9251	
LCS 500-372667/13	Lab Control Sample	Total/NA	Water	9251	
500-123844-5 MS	MW-05	Dissolved	Water	9251	
500-123844-5 MSD	MW-05	Dissolved	Water	9251	
500-123844-17 MS	MW-15	Dissolved	Water	9251	
500-123844-17 MSD	MW-15	Dissolved	Water	9251	

Analysis Batch: 372850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	SM 2540C	
500-123844-2	MW-02	Dissolved	Water	SM 2540C	
500-123844-3	MW-03	Dissolved	Water	SM 2540C	
500-123844-4	MW-04	Dissolved	Water	SM 2540C	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

General Chemistry (Continued)

Analysis Batch: 372850 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-5	MW-05	Dissolved	Water	SM 2540C	
MB 500-372850/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-372850/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-123844-1 MS	MW-01	Dissolved	Water	SM 2540C	
500-123844-1 DU	MW-01	Dissolved	Water	SM 2540C	

Analysis Batch: 372894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	SM 4500 F C	
500-123844-2	MW-02	Dissolved	Water	SM 4500 F C	
500-123844-3	MW-03	Dissolved	Water	SM 4500 F C	
500-123844-4	MW-04	Dissolved	Water	SM 4500 F C	
500-123844-5	MW-05	Dissolved	Water	SM 4500 F C	
500-123844-6	MW-09	Dissolved	Water	SM 4500 F C	
500-123844-7	MW-10	Dissolved	Water	SM 4500 F C	
500-123844-8	MW-16	Dissolved	Water	SM 4500 F C	
500-123844-9	Duplicate	Dissolved	Water	SM 4500 F C	
500-123844-10	MW-06	Dissolved	Water	SM 4500 F C	
500-123844-11	MW-07	Dissolved	Water	SM 4500 F C	
500-123844-12	MW-08	Dissolved	Water	SM 4500 F C	
500-123844-13	MW-11	Dissolved	Water	SM 4500 F C	
500-123844-14	MW-12	Dissolved	Water	SM 4500 F C	
500-123844-15	MW-13	Dissolved	Water	SM 4500 F C	
500-123844-16	MW-14	Dissolved	Water	SM 4500 F C	
500-123844-17	MW-15	Dissolved	Water	SM 4500 F C	
MB 500-372894/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-372894/5	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 372959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-123844-2	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-123844-3	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-123844-4	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-123844-5	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-123844-6	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-123844-7	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-123844-8	MW-16	Dissolved	Water	SM 4500 NO3 F	
500-123844-9	Duplicate	Dissolved	Water	SM 4500 NO3 F	
500-123844-10	MW-06	Dissolved	Water	SM 4500 NO3 F	
500-123844-11	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-123844-12	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-123844-13	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-123844-14	MW-12	Dissolved	Water	SM 4500 NO3 F	
500-123844-15	MW-13	Dissolved	Water	SM 4500 NO3 F	
500-123844-16	MW-14	Dissolved	Water	SM 4500 NO3 F	
500-123844-17	MW-15	Dissolved	Water	SM 4500 NO3 F	
MB 500-372959/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-372959/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-123844-13 MS	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-123844-13 MSD	MW-11	Dissolved	Water	SM 4500 NO3 F	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Analysis Batch: 372974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	Nitrate by calc	
500-123844-2	MW-02	Dissolved	Water	Nitrate by calc	
500-123844-3	MW-03	Dissolved	Water	Nitrate by calc	
500-123844-4	MW-04	Dissolved	Water	Nitrate by calc	
500-123844-5	MW-05	Dissolved	Water	Nitrate by calc	
500-123844-6	MW-09	Dissolved	Water	Nitrate by calc	
500-123844-7	MW-10	Dissolved	Water	Nitrate by calc	
500-123844-8	MW-16	Dissolved	Water	Nitrate by calc	
500-123844-9	Duplicate	Dissolved	Water	Nitrate by calc	
500-123844-10	MW-06	Dissolved	Water	Nitrate by calc	
500-123844-11	MW-07	Dissolved	Water	Nitrate by calc	
500-123844-12	MW-08	Dissolved	Water	Nitrate by calc	
500-123844-13	MW-11	Dissolved	Water	Nitrate by calc	
500-123844-14	MW-12	Dissolved	Water	Nitrate by calc	
500-123844-15	MW-13	Dissolved	Water	Nitrate by calc	
500-123844-16	MW-14	Dissolved	Water	Nitrate by calc	
500-123844-17	MW-15	Dissolved	Water	Nitrate by calc	

Analysis Batch: 373166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-6	MW-09	Dissolved	Water	SM 2540C	
500-123844-7	MW-10	Dissolved	Water	SM 2540C	
500-123844-8	MW-16	Dissolved	Water	SM 2540C	
500-123844-9	Duplicate	Dissolved	Water	SM 2540C	
MB 500-373166/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-373166/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 373168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-10	MW-06	Dissolved	Water	SM 2540C	
500-123844-11	MW-07	Dissolved	Water	SM 2540C	
500-123844-12	MW-08	Dissolved	Water	SM 2540C	
500-123844-13	MW-11	Dissolved	Water	SM 2540C	
500-123844-14	MW-12	Dissolved	Water	SM 2540C	
500-123844-15	MW-13	Dissolved	Water	SM 2540C	
500-123844-16	MW-14	Dissolved	Water	SM 2540C	
500-123844-17	MW-15	Dissolved	Water	SM 2540C	
MB 500-373168/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-373168/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-123844-10 DU	MW-06	Dissolved	Water	SM 2540C	

Analysis Batch: 373190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	9038	
MB 500-373190/3	Method Blank	Total/NA	Water	9038	
LCS 500-373190/4	Lab Control Sample	Total/NA	Water	9038	

Prep Batch: 373252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	9010B	
500-123844-2	MW-02	Dissolved	Water	9010B	
500-123844-3	MW-03	Dissolved	Water	9010B	
500-123844-4	MW-04	Dissolved	Water	9010B	

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QC Association Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

General Chemistry (Continued)

Prep Batch: 373252 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-5	MW-05	Dissolved	Water	9010B	
500-123844-6	MW-09	Dissolved	Water	9010B	
500-123844-7	MW-10	Dissolved	Water	9010B	
500-123844-8	MW-16	Dissolved	Water	9010B	
500-123844-9	Duplicate	Dissolved	Water	9010B	
500-123844-10	MW-06	Dissolved	Water	9010B	
500-123844-11	MW-07	Dissolved	Water	9010B	
500-123844-12	MW-08	Dissolved	Water	9010B	
500-123844-13	MW-11	Dissolved	Water	9010B	
500-123844-14	MW-12	Dissolved	Water	9010B	
500-123844-15	MW-13	Dissolved	Water	9010B	
500-123844-16	MW-14	Dissolved	Water	9010B	
500-123844-17	MW-15	Dissolved	Water	9010B	
MB 500-373252/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-373252/2-A	Lab Control Sample	Total/NA	Water	9010B	
500-123844-2 MS	MW-02	Dissolved	Water	9010B	
500-123844-2 MSD	MW-02	Dissolved	Water	9010B	

Analysis Batch: 373406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-1	MW-01	Dissolved	Water	9014	373252
500-123844-2	MW-02	Dissolved	Water	9014	373252
500-123844-3	MW-03	Dissolved	Water	9014	373252
500-123844-4	MW-04	Dissolved	Water	9014	373252
500-123844-5	MW-05	Dissolved	Water	9014	373252
500-123844-6	MW-09	Dissolved	Water	9014	373252
500-123844-7	MW-10	Dissolved	Water	9014	373252
500-123844-8	MW-16	Dissolved	Water	9014	373252
500-123844-9	Duplicate	Dissolved	Water	9014	373252
500-123844-10	MW-06	Dissolved	Water	9014	373252
500-123844-11	MW-07	Dissolved	Water	9014	373252
500-123844-12	MW-08	Dissolved	Water	9014	373252
500-123844-13	MW-11	Dissolved	Water	9014	373252
500-123844-14	MW-12	Dissolved	Water	9014	373252
500-123844-15	MW-13	Dissolved	Water	9014	373252
500-123844-16	MW-14	Dissolved	Water	9014	373252
500-123844-17	MW-15	Dissolved	Water	9014	373252
MB 500-373252/1-A	Method Blank	Total/NA	Water	9014	373252
LCS 500-373252/2-A	Lab Control Sample	Total/NA	Water	9014	373252
500-123844-2 MS	MW-02	Dissolved	Water	9014	373252
500-123844-2 MSD	MW-02	Dissolved	Water	9014	373252

Analysis Batch: 373413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-15	MW-13	Dissolved	Water	SM 4500 NO2 B	
500-123844-16	MW-14	Dissolved	Water	SM 4500 NO2 B	
500-123844-17	MW-15	Dissolved	Water	SM 4500 NO2 B	
MB 500-373413/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-373413/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-123844-17 MS	MW-15	Dissolved	Water	SM 4500 NO2 B	
500-123844-17 MSD	MW-15	Dissolved	Water	SM 4500 NO2 B	

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QC Association Summary

Client: KPRG and Associates, Inc.
 Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Analysis Batch: 373567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-2	MW-02	Dissolved	Water	9038	
500-123844-3	MW-03	Dissolved	Water	9038	
500-123844-4	MW-04	Dissolved	Water	9038	
500-123844-5	MW-05	Dissolved	Water	9038	
500-123844-6	MW-09	Dissolved	Water	9038	
500-123844-7	MW-10	Dissolved	Water	9038	
500-123844-8	MW-16	Dissolved	Water	9038	
500-123844-9	Duplicate	Dissolved	Water	9038	
MB 500-373567/3	Method Blank	Total/NA	Water	9038	
LCS 500-373567/4	Lab Control Sample	Total/NA	Water	9038	
500-123844-5 MS	MW-05	Dissolved	Water	9038	
500-123844-5 MSD	MW-05	Dissolved	Water	9038	

Analysis Batch: 373568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-123844-10	MW-06	Dissolved	Water	9038	
500-123844-11	MW-07	Dissolved	Water	9038	
500-123844-12	MW-08	Dissolved	Water	9038	
500-123844-13	MW-11	Dissolved	Water	9038	
500-123844-14	MW-12	Dissolved	Water	9038	
500-123844-15	MW-13	Dissolved	Water	9038	
500-123844-16	MW-14	Dissolved	Water	9038	
500-123844-17	MW-15	Dissolved	Water	9038	
MB 500-373568/3	Method Blank	Total/NA	Water	9038	
LCS 500-373568/4	Lab Control Sample	Total/NA	Water	9038	
500-123844-12 MS	MW-08	Dissolved	Water	9038	
500-123844-12 MSD	MW-08	Dissolved	Water	9038	



Surrogate Summary

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (71-127)	TOL (75-120)	BFB (71-120)	DBFM (70-120)
500-123844-1	MW-01	98	96	89	103
500-123844-2	MW-02	99	97	91	102
500-123844-3	MW-03	99	98	90	103
500-123844-4	MW-04	99	96	90	103
500-123844-5	MW-05	101	97	89	105
500-123844-6	MW-09	100	98	89	103
500-123844-7	MW-10	101	98	90	104
500-123844-8	MW-16	99	96	89	104
500-123844-9	Duplicate	99	97	91	103
500-123844-10	MW-06	101	97	90	105
500-123844-11	MW-07	101	98	90	105
500-123844-11 MS	MW-07	96	97	88	101
500-123844-11 MSD	MW-07	100	99	90	103
500-123844-12	MW-08	87	87	86	92
500-123844-13	MW-11	88	87	86	88
500-123844-14	MW-12	88	85	84	90
500-123844-15	MW-13	90	87	85	89
500-123844-16	MW-14	89	88	84	88
500-123844-17	MW-15	88	88	84	88
500-123844-17 MS	MW-15	90	90	85	91
500-123844-17 MSD	MW-15	88	88	85	92
500-123844-18	Trip Blank	90	88	88	88
LCS 500-372686/7	Lab Control Sample	83	90	85	89
LCS 500-372688/4	Lab Control Sample	94	99	89	99
MB 500-372686/6	Method Blank	90	86	86	88
MB 500-372688/27	Method Blank	99	98	90	101

Surrogate Legend

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



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: MB 500-372686/6
Matrix: Water
Analysis Batch: 372686

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00050		0.00050		mg/L			02/20/17 10:12	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 10:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 10:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 10:12	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	90		71 - 127		02/20/17 10:12	1
Toluene-d8 (Surr)	86		75 - 120		02/20/17 10:12	1
4-Bromofluorobenzene (Surr)	86		71 - 120		02/20/17 10:12	1
Dibromofluoromethane	88		70 - 120		02/20/17 10:12	1

Lab Sample ID: LCS 500-372686/7
Matrix: Water
Analysis Batch: 372686

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Benzene	0.0500	0.0456		mg/L		91	70 - 125
Toluene	0.0500	0.0459		mg/L		92	70 - 125
Ethylbenzene	0.0500	0.0453		mg/L		91	70 - 125
Xylenes, Total	0.100	0.0887		mg/L		89	70 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	83		71 - 127
Toluene-d8 (Surr)	90		75 - 120
4-Bromofluorobenzene (Surr)	85		71 - 120
Dibromofluoromethane	89		70 - 120

Lab Sample ID: 500-123844-17 MS
Matrix: Water
Analysis Batch: 372686

Client Sample ID: MW-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Benzene	<0.00050		0.0500	0.0445		mg/L		89	70 - 125
Toluene	<0.00050		0.0500	0.0454		mg/L		91	70 - 125
Ethylbenzene	<0.00050		0.0500	0.0432		mg/L		86	70 - 125
Xylenes, Total	<0.0010		0.100	0.0862		mg/L		86	70 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	90		71 - 127
Toluene-d8 (Surr)	90		75 - 120
4-Bromofluorobenzene (Surr)	85		71 - 120
Dibromofluoromethane	91		70 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: 500-123844-17 MSD

Client Sample ID: MW-15

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 372686

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0454		mg/L		91	70 - 125	2	20
Toluene	<0.00050		0.0500	0.0453		mg/L		91	70 - 125	0	20
Ethylbenzene	<0.00050		0.0500	0.0438		mg/L		88	70 - 125	1	20
Xylenes, Total	<0.0010		0.100	0.0859		mg/L		86	70 - 125	0	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	88		71 - 127
Toluene-d8 (Surr)	88		75 - 120
4-Bromofluorobenzene (Surr)	85		71 - 120
Dibromofluoromethane	92		70 - 120

Lab Sample ID: MB 500-372688/27

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 372688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			02/20/17 10:33	1
Toluene	<0.00050		0.00050		mg/L			02/20/17 10:33	1
Ethylbenzene	<0.00050		0.00050		mg/L			02/20/17 10:33	1
Xylenes, Total	<0.0010		0.0010		mg/L			02/20/17 10:33	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		71 - 127		02/20/17 10:33	1
Toluene-d8 (Surr)	98		75 - 120		02/20/17 10:33	1
4-Bromofluorobenzene (Surr)	90		71 - 120		02/20/17 10:33	1
Dibromofluoromethane	101		70 - 120		02/20/17 10:33	1

Lab Sample ID: LCS 500-372688/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 372688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0465		mg/L		93	70 - 125
Toluene	0.0500	0.0474		mg/L		95	70 - 125
Ethylbenzene	0.0500	0.0501		mg/L		100	70 - 125
Xylenes, Total	0.100	0.0958		mg/L		96	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	94		71 - 127
Toluene-d8 (Surr)	99		75 - 120
4-Bromofluorobenzene (Surr)	89		71 - 120
Dibromofluoromethane	99		70 - 120

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QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: 500-123844-11 MS										Client Sample ID: MW-07	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 372688											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00050		0.0500	0.0458		mg/L		92	70 - 125		
Toluene	<0.00050		0.0500	0.0477		mg/L		95	70 - 125		
Ethylbenzene	<0.00050		0.0500	0.0494		mg/L		99	70 - 125		
Xylenes, Total	<0.0010		0.100	0.0951		mg/L		95	70 - 125		
Surrogate											
	MS %Recovery	MS Qualifier	MS Limits								
1,2-Dichloroethane-d4 (Surr)	96		71 - 127								
Toluene-d8 (Surr)	97		75 - 120								
4-Bromofluorobenzene (Surr)	88		71 - 120								
Dibromofluoromethane	101		70 - 120								

Lab Sample ID: 500-123844-11 MSD										Client Sample ID: MW-07	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 372688											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0457		mg/L		91	70 - 125	0	20
Toluene	<0.00050		0.0500	0.0470		mg/L		94	70 - 125	1	20
Ethylbenzene	<0.00050		0.0500	0.0479		mg/L		96	70 - 125	3	20
Xylenes, Total	<0.0010		0.100	0.0931		mg/L		93	70 - 125	2	20
Surrogate											
	MSD %Recovery	MSD Qualifier	MSD Limits								
1,2-Dichloroethane-d4 (Surr)	100		71 - 127								
Toluene-d8 (Surr)	99		75 - 120								
4-Bromofluorobenzene (Surr)	90		71 - 120								
Dibromofluoromethane	103		70 - 120								

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-152330/5										Client Sample ID: Method Blank	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 152330											
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Perchlorate	<0.0040		0.0040		mg/L			02/24/17 12:10	1		

Lab Sample ID: LCS 320-152330/6										Client Sample ID: Lab Control Sample	
Matrix: Water										Prep Type: Total/NA	
Analysis Batch: 152330											
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits				
Perchlorate	0.0500	0.0517		mg/L		103	85 - 115				

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-152330/4
Matrix: Water
Analysis Batch: 152330

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	4.23		ug/L		106	75 - 125

Lab Sample ID: 500-123844-1 MS
Matrix: Water
Analysis Batch: 152330

Client Sample ID: MW-01
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	0.0420		mg/L		84	80 - 120

Lab Sample ID: 500-123844-1 MSD
Matrix: Water
Analysis Batch: 152330

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Perchlorate	<0.0040		0.0500	0.0420		mg/L		84	80 - 120	0	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-123844-3 MS
Matrix: Water
Analysis Batch: 373984

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.519		mg/L		104	75 - 125
Arsenic	<0.0010	^	0.100	0.109	^	mg/L		108	75 - 125
Barium	0.059		0.500	0.568		mg/L		102	75 - 125
Beryllium	<0.0010	^	0.0500	0.0492	^	mg/L		98	75 - 125
Boron	0.19		1.00	1.18		mg/L		100	75 - 125
Cadmium	<0.00050		0.0500	0.0530		mg/L		106	75 - 125
Chromium	<0.0050		0.200	0.204		mg/L		102	75 - 125
Cobalt	<0.0010		0.500	0.495		mg/L		99	75 - 125
Copper	<0.0020		0.250	0.260		mg/L		104	75 - 125
Iron	<0.10		1.00	1.03		mg/L		103	75 - 125
Lead	<0.00050		0.100	0.109		mg/L		109	75 - 125
Manganese	<0.0025		0.500	0.512		mg/L		102	75 - 125
Nickel	<0.0020		0.500	0.502		mg/L		100	75 - 125
Silver	<0.00050		0.0500	0.0451		mg/L		90	75 - 125
Thallium	<0.0020		0.100	0.110		mg/L		110	75 - 125
Vanadium	<0.0050		0.500	0.508		mg/L		102	75 - 125
Zinc	<0.020		0.500	0.528		mg/L		106	75 - 125

Lab Sample ID: 500-123844-3 MS
Matrix: Water
Analysis Batch: 374235

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.0036		0.100	0.115		mg/L		111	75 - 125

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: 500-123844-3 MSD
Matrix: Water
Analysis Batch: 373984

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Antimony	<0.0030		0.500	0.480		mg/L		96	75 - 125	8	20	
Arsenic	<0.0010	^	0.100	0.100	^	mg/L		99	75 - 125	8	20	
Barium	0.059		0.500	0.531		mg/L		94	75 - 125	7	20	
Beryllium	<0.0010	^	0.0500	0.0474	^	mg/L		95	75 - 125	4	20	
Boron	0.19		1.00	1.09		mg/L		91	75 - 125	8	20	
Cadmium	<0.00050		0.0500	0.0494		mg/L		99	75 - 125	7	20	
Chromium	<0.0050		0.200	0.187		mg/L		94	75 - 125	9	20	
Cobalt	<0.0010		0.500	0.456		mg/L		91	75 - 125	8	20	
Copper	<0.0020		0.250	0.242		mg/L		97	75 - 125	7	20	
Iron	<0.10		1.00	0.946		mg/L		95	75 - 125	9	20	
Lead	<0.00050		0.100	0.101		mg/L		101	75 - 125	8	20	
Manganese	<0.0025		0.500	0.468		mg/L		94	75 - 125	9	20	
Nickel	<0.0020		0.500	0.461		mg/L		92	75 - 125	8	20	
Silver	<0.00050		0.0500	0.0429		mg/L		86	75 - 125	5	20	
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125	8	20	
Vanadium	<0.0050		0.500	0.466		mg/L		93	75 - 125	9	20	
Zinc	<0.020		0.500	0.493		mg/L		99	75 - 125	7	20	

Lab Sample ID: 500-123844-3 MSD
Matrix: Water
Analysis Batch: 374235

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec.		RPD	Limit
				Result	Qualifier				Limits	RPD		
Selenium	0.0036		0.100	0.116		mg/L		112	75 - 125	1	20	

Lab Sample ID: 500-123844-3 DU
Matrix: Water
Analysis Batch: 373984

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010	^	<0.0010		mg/L		NC	20
Barium	0.059		0.0602		mg/L		3	20
Beryllium	<0.0010	^	<0.0010		mg/L		NC	20
Boron	0.19		0.182		mg/L		2	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	<0.0025		<0.0025		mg/L		NC	20
Nickel	<0.0020		<0.0020		mg/L		NC	20
Silver	<0.00050		<0.00050		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20
Vanadium	<0.0050		<0.0050		mg/L		NC	20
Zinc	<0.020		<0.020		mg/L		NC	20

TestAmerica Chicago

MWG13-15_62287
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: 500-123844-3 DU
Matrix: Water
Analysis Batch: 374235

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 372809

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Selenium	0.0036		0.00382		mg/L		6	20

Lab Sample ID: MB 500-372809/1-A
Matrix: Water
Analysis Batch: 373984

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 372809

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
Antimony	<0.0030		0.0030		mg/L		02/20/17 16:23	02/28/17 18:21		1
Arsenic	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:21		1
Barium	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 18:21		1
Beryllium	<0.0010	^	0.0010		mg/L		02/20/17 16:23	02/28/17 18:21		1
Boron	<0.050		0.050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Cadmium	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Chromium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Cobalt	<0.0010		0.0010		mg/L		02/20/17 16:23	02/28/17 18:21		1
Copper	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:21		1
Iron	<0.10		0.10		mg/L		02/20/17 16:23	02/28/17 18:21		1
Lead	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Manganese	<0.0025		0.0025		mg/L		02/20/17 16:23	02/28/17 18:21		1
Nickel	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:21		1
Selenium	<0.0025	^	0.0025		mg/L		02/20/17 16:23	02/28/17 18:21		1
Silver	<0.00050		0.00050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Thallium	<0.0020		0.0020		mg/L		02/20/17 16:23	02/28/17 18:21		1
Vanadium	<0.0050		0.0050		mg/L		02/20/17 16:23	02/28/17 18:21		1
Zinc	<0.020		0.020		mg/L		02/20/17 16:23	02/28/17 18:21		1

Lab Sample ID: LCS 500-372809/2-A
Matrix: Water
Analysis Batch: 373984

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 372809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.500	0.448		mg/L		90	80 - 120
Arsenic	0.100	0.0912	^	mg/L		91	80 - 120
Barium	0.500	0.460		mg/L		92	80 - 120
Beryllium	0.0500	0.0480	^	mg/L		96	80 - 120
Boron	1.00	0.953		mg/L		95	80 - 120
Cadmium	0.0500	0.0475		mg/L		95	80 - 120
Chromium	0.200	0.194		mg/L		97	80 - 120
Cobalt	0.500	0.482		mg/L		96	80 - 120
Copper	0.250	0.239		mg/L		96	80 - 120
Iron	1.00	0.973		mg/L		97	80 - 120
Lead	0.100	0.0956		mg/L		96	80 - 120
Manganese	0.500	0.479		mg/L		96	80 - 120
Nickel	0.500	0.494		mg/L		99	80 - 120
Selenium	0.100	0.0913	^	mg/L		91	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120
Thallium	0.100	0.0957		mg/L		96	80 - 120
Vanadium	0.500	0.474		mg/L		95	80 - 120

TestAmerica Chicago

MWG13-15_62288
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: LCS 500-372809/2-A
Matrix: Water
Analysis Batch: 373984

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 372809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Zinc	0.500	0.480		mg/L		96	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-372758/12-A
Matrix: Water
Analysis Batch: 372932

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 372758

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		02/20/17 12:00	02/21/17 10:32	1

Lab Sample ID: LCS 500-372758/13-A
Matrix: Water
Analysis Batch: 372932

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 372758

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00185		mg/L		93	80 - 120

Lab Sample ID: 500-123844-1 MS
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 372758

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020	F2	0.00100	0.000789		mg/L		79	75 - 125

Lab Sample ID: 500-123844-1 MSD
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 372758

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020	F2	0.00100	0.00100	F2	mg/L		100	75 - 125	24	20

Lab Sample ID: 500-123844-1 DU
Matrix: Water
Analysis Batch: 372932

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 372758

Analyte	Sample Result	Sample Qualifier	Spike Added	DU Result	DU Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020	F2		<0.00020		mg/L				NC	20

Method: 9014 - Cyanide

Lab Sample ID: MB 500-373252/1-A
Matrix: Water
Analysis Batch: 373406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 373252

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		02/23/17 10:50	02/23/17 16:15	1

TestAmerica Chicago

MWG13-15_62289
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-373252/2-A
Matrix: Water
Analysis Batch: 373406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 373252
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	0.100	0.112		mg/L		112	80 - 120

Lab Sample ID: 500-123844-2 MS
Matrix: Water
Analysis Batch: 373406

Client Sample ID: MW-02
Prep Type: Dissolved
Prep Batch: 373252
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.010		0.0400	0.0414		mg/L		104	75 - 125

Lab Sample ID: 500-123844-2 MSD
Matrix: Water
Analysis Batch: 373406

Client Sample ID: MW-02
Prep Type: Dissolved
Prep Batch: 373252
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.010		0.0400	0.0457		mg/L		114	75 - 125	10	20

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-373190/3
Matrix: Water
Analysis Batch: 373190

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			02/23/17 03:27	1

Lab Sample ID: LCS 500-373190/4
Matrix: Water
Analysis Batch: 373190

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Sulfate	20.0	18.7		mg/L		93	80 - 120

Lab Sample ID: MB 500-373567/3
Matrix: Water
Analysis Batch: 373567

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			02/25/17 22:21	1

Lab Sample ID: LCS 500-373567/4
Matrix: Water
Analysis Batch: 373567

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Sulfate	20.0	19.7		mg/L		99	80 - 120

TestAmerica Chicago

MWG13-15_62290
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: MB 500-373568/3 Matrix: Water Analysis Batch: 373568						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			02/26/17 23:34	1

Lab Sample ID: LCS 500-373568/4 Matrix: Water Analysis Batch: 373568						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		

Lab Sample ID: 500-123844-5 MS Matrix: Water Analysis Batch: 373567						Client Sample ID: MW-05 Prep Type: Dissolved			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	130		400	505		mg/L		95	75 - 125

Lab Sample ID: 500-123844-5 MSD Matrix: Water Analysis Batch: 373567						Client Sample ID: MW-05 Prep Type: Dissolved					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfate	130		400	511		mg/L		96	75 - 125	1	20

Lab Sample ID: 500-123844-12 MS Matrix: Water Analysis Batch: 373568						Client Sample ID: MW-08 Prep Type: Dissolved			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	300		400	713		mg/L		104	75 - 125

Lab Sample ID: 500-123844-12 MSD Matrix: Water Analysis Batch: 373568						Client Sample ID: MW-08 Prep Type: Dissolved					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfate	300		400	778		mg/L		121	75 - 125	9	20

Method: 9251 - Chloride

Lab Sample ID: MB 500-372667/12 Matrix: Water Analysis Batch: 372667						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			02/19/17 19:27	1

TestAmerica Chicago

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Method: 9251 - Chloride (Continued)

Lab Sample ID: LCS 500-372667/13
Matrix: Water
Analysis Batch: 372667

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

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

Lab Sample ID: 500-123844-5 MS
Matrix: Water
Analysis Batch: 372667

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	98		50.0	144		mg/L		90	75 - 125

Lab Sample ID: 500-123844-5 MSD
Matrix: Water
Analysis Batch: 372667

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	98		50.0	143		mg/L		89	75 - 125	1	20

Lab Sample ID: 500-123844-17 MS
Matrix: Water
Analysis Batch: 372667

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	190	F1	50.0	226	F1	mg/L		71	75 - 125

Lab Sample ID: 500-123844-17 MSD
Matrix: Water
Analysis Batch: 372667

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	190	F1	50.0	233		mg/L		85	75 - 125	3	20

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

Lab Sample ID: MB 500-372850/1
Matrix: Water
Analysis Batch: 372850

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/21/17 01:12	1

Lab Sample ID: LCS 500-372850/2
Matrix: Water
Analysis Batch: 372850

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

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

TestAmerica Chicago

MWG13-15_62292
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: MB 500-373166/1
Matrix: Water
Analysis Batch: 373166

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/22/17 21:04	1

Lab Sample ID: LCS 500-373166/2
Matrix: Water
Analysis Batch: 373166

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	250	300		mg/L		120	80 - 120

Lab Sample ID: MB 500-373168/1
Matrix: Water
Analysis Batch: 373168

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			02/22/17 22:28	1

Lab Sample ID: LCS 500-373168/2
Matrix: Water
Analysis Batch: 373168

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

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

Lab Sample ID: 500-123844-1 MS
Matrix: Water
Analysis Batch: 372850

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500		250	810		mg/L		123	75 - 125

Lab Sample ID: 500-123844-1 DU
Matrix: Water
Analysis Batch: 372850

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	500		492		mg/L		2	5

Lab Sample ID: 500-123844-10 DU
Matrix: Water
Analysis Batch: 373168

Client Sample ID: MW-06
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1000		1010		mg/L		3	5

TestAmerica Chicago

MWG13-15_62293
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-372894/4
Matrix: Water
Analysis Batch: 372894

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			02/20/17 16:37	1

Lab Sample ID: LCS 500-372894/5
Matrix: Water
Analysis Batch: 372894

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.5		mg/L		105	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-372329/3
Matrix: Water
Analysis Batch: 372329

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/15/17 14:15	1

Lab Sample ID: LCS 500-372329/4
Matrix: Water
Analysis Batch: 372329

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

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

Lab Sample ID: MB 500-372536/3
Matrix: Water
Analysis Batch: 372536

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/17/17 12:43	1

Lab Sample ID: LCS 500-372536/4
Matrix: Water
Analysis Batch: 372536

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

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

Lab Sample ID: MB 500-372537/3
Matrix: Water
Analysis Batch: 372537

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/16/17 11:40	1

TestAmerica Chicago

MWG13-15_62294
3/3/2017

QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

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

Lab Sample ID: LCS 500-372537/4
Matrix: Water
Analysis Batch: 372537

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

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

Lab Sample ID: MB 500-373413/3
Matrix: Water
Analysis Batch: 373413

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/18/17 15:05	1

Lab Sample ID: LCS 500-373413/4
Matrix: Water
Analysis Batch: 373413

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

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

Lab Sample ID: 500-123844-12 MS
Matrix: Water
Analysis Batch: 372536

Client Sample ID: MW-08
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0931		mg/L		93	75 - 125

Lab Sample ID: 500-123844-12 MSD
Matrix: Water
Analysis Batch: 372536

Client Sample ID: MW-08
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Nitrogen, Nitrite	<0.020		0.100	0.0971		mg/L		97	75 - 125	4	20

Lab Sample ID: 500-123844-6 MS
Matrix: Water
Analysis Batch: 372537

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0894		mg/L		89	75 - 125

Lab Sample ID: 500-123844-6 MSD
Matrix: Water
Analysis Batch: 372537

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Nitrogen, Nitrite	<0.020		0.100	0.0941		mg/L		94	75 - 125	5	20

Lab Sample ID: 500-123844-17 MS
Matrix: Water
Analysis Batch: 373413

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0971		mg/L		97	75 - 125

TestAmerica Chicago



QC Sample Results

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Lab Sample ID: 500-123844-17 MSD
Matrix: Water
Analysis Batch: 373413

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.0978		mg/L		98	75 - 125	1	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-372959/12
Matrix: Water
Analysis Batch: 372959

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			02/20/17 21:36	1

Lab Sample ID: LCS 500-372959/13
Matrix: Water
Analysis Batch: 372959

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 500-123844-13 MS
Matrix: Water
Analysis Batch: 372959

Client Sample ID: MW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	<0.10		1.00	0.967		mg/L		97	75 - 125

Lab Sample ID: 500-123844-13 MSD
Matrix: Water
Analysis Batch: 372959

Client Sample ID: MW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate Nitrite	<0.10		1.00	1.03		mg/L		103	75 - 125	6	20

TestAmerica Chicago

MWG13-15_62296

3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-01

Date Collected: 02/14/17 14:55

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 14:28	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 12:45	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 18:29	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:40	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
					(Start)	02/23/17 16:16		
					(End)	02/23/17 16:17		
Dissolved	Analysis	9038		2	373190		CLB	TAL CHI
					(Start)	02/23/17 03:48		
					(End)	02/23/17 03:49		
Dissolved	Analysis	9251		1	372667	02/19/17 19:29	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	372850	02/21/17 01:16	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 16:47	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372329		VIP	TAL CHI
					(Start)	02/15/17 14:21		
					(End)	02/15/17 14:21		
Dissolved	Analysis	SM 4500 NO3 F		5	372959	02/20/17 22:51	HMW	TAL CHI

Client Sample ID: MW-02

Date Collected: 02/14/17 10:02

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 14:57	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 13:37	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 18:32	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374154	03/01/17 15:48	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:52	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
					(Start)	02/23/17 16:17		
					(End)	02/23/17 16:17		
Dissolved	Analysis	9038		2	373567		CLB	TAL CHI
					(Start)	02/25/17 22:30		
					(End)	02/25/17 22:32		
Dissolved	Analysis	9251		1	372667	02/19/17 19:30	HMW	TAL CHI

TestAmerica Chicago

MWG13-15_62297

3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-02

Date Collected: 02/14/17 10:02

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	372850	02/21/17 01:24	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 16:49	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372329	(Start) 02/15/17 14:21 (End) 02/15/17 14:21	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		5	372959	02/20/17 22:52	HMW	TAL CHI

Client Sample ID: MW-03

Date Collected: 02/14/17 10:58

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 15:27	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 13:54	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 18:36	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374235	03/02/17 12:04	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:53	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	(Start) 02/23/17 16:18 (End) 02/23/17 16:19	EAT	TAL CHI
Dissolved	Analysis	9038		2	373567	(Start) 02/25/17 22:31 (End) 02/25/17 22:33	CLB	TAL CHI
Dissolved	Analysis	9251		1	372667	02/19/17 19:31	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	372850	02/21/17 01:26	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 16:52	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372329	(Start) 02/15/17 14:21 (End) 02/15/17 14:22	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		5	372959	02/20/17 22:53	HMW	TAL CHI

Client Sample ID: MW-04

Date Collected: 02/14/17 12:12

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 15:56	TCT	TAL CHI

TestAmerica Chicago

MWG13-15_62298
3/3/2017



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	314.0		1	152330	02/24/17 14:12	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 18:55	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374235	03/02/17 12:23	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:55	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
						(Start) 02/23/17 16:19		
						(End) 02/23/17 16:19		
Dissolved	Analysis	9038		4	373567		CLB	TAL CHI
						(Start) 02/25/17 22:33		
						(End) 02/25/17 22:34		
Dissolved	Analysis	9251		1	372667	02/19/17 19:32	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	372850	02/21/17 01:28	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 16:54	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372329		VIP	TAL CHI
						(Start) 02/15/17 14:22		
						(End) 02/15/17 14:22		
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 21:51	HMW	TAL CHI

Client Sample ID: MW-05
Date Collected: 02/14/17 13:20
Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 16:26	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 14:29	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:06	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:56	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
						(Start) 02/23/17 16:19		
						(End) 02/23/17 16:20		
Dissolved	Analysis	9038		10	373567		CLB	TAL CHI
						(Start) 02/25/17 22:34		
						(End) 02/25/17 22:35		
Dissolved	Analysis	9251		5	372667	02/19/17 20:15	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	372850	02/21/17 01:31	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 16:57	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_62299
3/3/2017



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-05

Date Collected: 02/14/17 13:20

Date Received: 02/15/17 09:30

Lab Sample ID: 500-123844-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	372329	02/15/17 14:22 (Start) 02/15/17 14:22 (End)	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 21:53	HMW	TAL CHI

Client Sample ID: MW-09

Date Collected: 02/15/17 11:28

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 16:55	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 14:46	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:10	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374235	03/02/17 12:27	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:58	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	02/23/17 16:20 (Start) 02/23/17 16:20 (End)	EAT	TAL CHI
Dissolved	Analysis	9038		10	373567	02/25/17 22:37 (Start) 02/25/17 22:39 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	372667	02/19/17 19:39	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373166	02/22/17 21:56	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:06	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372537	02/16/17 11:41 (Start) 02/16/17 11:41 (End)	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		5	372959	02/20/17 22:54	HMW	TAL CHI

Client Sample ID: MW-10

Date Collected: 02/15/17 16:13

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 17:24	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 15:39	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:14	FXG	TAL CHI

TestAmerica Chicago

MWG13-15_62300
3/3/2017



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-10

Date Collected: 02/15/17 16:13

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 10:59	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
						(Start) 02/23/17 16:21		
						(End) 02/23/17 16:22		
Dissolved	Analysis	9038		2	373567		CLB	TAL CHI
						(Start) 02/25/17 22:39		
						(End) 02/25/17 22:40		
Dissolved	Analysis	9251		1	372667	02/19/17 19:40	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373166	02/22/17 21:59	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:08	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372537		VIP	TAL CHI
						(Start) 02/16/17 11:42		
						(End) 02/16/17 11:42		
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:55	HMW	TAL CHI

Client Sample ID: MW-16

Date Collected: 02/15/17 09:58

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 17:54	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 15:56	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:18	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:01	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
						(Start) 02/23/17 16:22		
						(End) 02/23/17 16:22		
Dissolved	Analysis	9038		2	373567		CLB	TAL CHI
						(Start) 02/25/17 22:40		
						(End) 02/25/17 22:41		
Dissolved	Analysis	9251		1	372667	02/19/17 19:40	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373166	02/22/17 22:01	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:11	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372537		VIP	TAL CHI
						(Start) 02/16/17 11:42		
						(End) 02/16/17 11:43		

TestAmerica Chicago

MWG13-15_62301
3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-16

Date Collected: 02/15/17 09:58

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO3 F		25	372959	02/20/17 22:56	HMW	TAL CHI

Client Sample ID: Duplicate

Date Collected: 02/15/17 00:00

Date Received: 02/16/17 10:30

Lab Sample ID: 500-123844-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 18:23	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 16:14	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:22	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:02	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	(Start) 02/23/17 16:22 (End) 02/23/17 16:22	EAT	TAL CHI
Dissolved	Analysis	9038		2	373567	(Start) 02/25/17 22:41 (End) 02/25/17 22:42	CLB	TAL CHI
Dissolved	Analysis	9251		1	372667	02/19/17 19:41	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373166	02/22/17 22:04	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:14	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372537	(Start) 02/16/17 11:43 (End) 02/16/17 11:43	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		25	372959	02/21/17 00:02	HMW	TAL CHI

Client Sample ID: MW-06

Date Collected: 02/16/17 13:39

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372688	02/20/17 18:52	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 16:31	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:25	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374154	03/01/17 16:26	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:03	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_62302
3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-06

Lab Sample ID: 500-123844-10

Date Collected: 02/16/17 13:39

Matrix: Water

Date Received: 02/17/17 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9014		1	373406	02/23/17 16:22 (End) 02/23/17 16:23	EAT	TAL CHI
Dissolved	Analysis	9038		20	373568	02/26/17 23:43 (End) 02/26/17 23:45	CLB	TAL CHI
Dissolved	Analysis	9251		5	372667	02/19/17 19:42	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:33	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:17	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372536	02/17/17 12:46 (End) 02/17/17 12:46	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:08	HMW	TAL CHI

Client Sample ID: MW-07

Lab Sample ID: 500-123844-11

Date Collected: 02/16/17 14:36

Matrix: Water

Date Received: 02/17/17 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372888	02/20/17 19:22	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 16:48	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:29	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374154	03/01/17 16:30	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		20	374235	03/02/17 11:28	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:05	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	02/23/17 16:23 (End) 02/23/17 16:23	EAT	TAL CHI
Dissolved	Analysis	9038		2	373568	02/26/17 23:44 (End) 02/26/17 23:46	CLB	TAL CHI
Dissolved	Analysis	9251		5	372667	02/19/17 19:43	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:38	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:20	EAT	TAL CHI

TestAmerica Chicago



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-07

Date Collected: 02/16/17 14:36

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	372536	02/17/17 12:47 (Start) 02/17/17 12:47 (End)	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:10	HMW	TAL CHI

Client Sample ID: MW-08

Date Collected: 02/16/17 15:56

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 13:48	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 17:06	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:33	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:09	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	02/23/17 16:23 (Start) 02/23/17 16:24 (End)	EAT	TAL CHI
Dissolved	Analysis	9038		10	373568	02/26/17 23:46 (Start) 02/26/17 23:47 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	372667	02/19/17 19:43	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:40	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:22	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372536	02/17/17 12:47 (Start) 02/17/17 12:48 (End)	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:12	HMW	TAL CHI

Client Sample ID: MW-11

Date Collected: 02/16/17 10:18

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 14:14	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 17:23	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:37	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374154	03/01/17 16:34	FXG	TAL CHI

TestAmerica Chicago

MWG13-15_62304
3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-11

Date Collected: 02/16/17 10:18

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:11	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
					(Start)	02/23/17 16:24		
					(End)	02/23/17 16:24		
Dissolved	Analysis	9038		20	373568		CLB	TAL CHI
					(Start)	02/26/17 23:49		
					(End)	02/26/17 23:50		
Dissolved	Analysis	9251		5	372667	02/19/17 20:17	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:43	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:25	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	372536		VIP	TAL CHI
					(Start)	02/17/17 12:48		
					(End)	02/17/17 12:49		
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:14	HMW	TAL CHI

Client Sample ID: MW-12

Date Collected: 02/16/17 11:55

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 14:41	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 17:41	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 19:40	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	374154	03/01/17 16:38	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:12	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
					(Start)	02/23/17 16:24		
					(End)	02/23/17 16:25		
Dissolved	Analysis	9038		20	373568		CLB	TAL CHI
					(Start)	02/26/17 23:50		
					(End)	02/26/17 23:52		
Dissolved	Analysis	9251		5	372667	02/19/17 19:46	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:46	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:27	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_62305
3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-12

Date Collected: 02/16/17 11:55

Date Received: 02/17/17 10:20

Lab Sample ID: 500-123844-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	372536	02/17/17 12:49 (Start) 02/17/17 12:49 (End) 02/17/17 12:49	VIP	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:18	HMW	TAL CHI

Client Sample ID: MW-13

Date Collected: 02/17/17 09:59

Date Received: 02/17/17 19:50

Lab Sample ID: 500-123844-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 15:08	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 17:58	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		2	373984	02/28/17 19:55	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 20:18	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		2	374154	03/01/17 16:53	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		5	374235	03/02/17 11:32	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:14	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406	02/23/17 16:25 (Start) 02/23/17 16:25 (End) 02/23/17 16:25	EAT	TAL CHI
Dissolved	Analysis	9038		100	373568	02/26/17 23:52 (Start) 02/26/17 23:52 (End) 02/26/17 23:53	CLB	TAL CHI
Dissolved	Analysis	9251		5	372667	02/19/17 19:46	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:48	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:30	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	373413	02/18/17 15:06 (Start) 02/18/17 15:06 (End) 02/18/17 15:07	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:21	HMW	TAL CHI

TestAmerica Chicago

MWG13-15_62306
3/3/2017



Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-14

Lab Sample ID: 500-123844-16

Date Collected: 02/17/17 11:25

Matrix: Water

Date Received: 02/17/17 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 15:34	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 18:16	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		2	373984	02/28/17 19:59	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 20:22	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		2	374154	03/01/17 16:57	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		5	374235	03/02/17 11:35	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:15	MJD	TAL CHI
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
						(Start) 02/23/17 16:25 (End) 02/23/17 16:26		
Dissolved	Analysis	9038		100	373568		CLB	TAL CHI
						(Start) 02/26/17 23:53 (End) 02/26/17 23:54		
Dissolved	Analysis	9251		5	372667	02/19/17 19:47	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:51	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:38	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	373413		EAT	TAL CHI
						(Start) 02/18/17 15:07 (End) 02/18/17 15:07		
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:22	HMW	TAL CHI

Client Sample ID: MW-15

Lab Sample ID: 500-123844-17

Date Collected: 02/17/17 13:08

Matrix: Water

Date Received: 02/17/17 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 16:01	TCT	TAL CHI
Total/NA	Analysis	314.0		1	152330	02/24/17 19:08	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		2	373984	02/28/17 20:03	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		1	373984	02/28/17 20:26	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			372809	02/20/17 16:23	PFK	TAL CHI
Dissolved	Analysis	6020A		5	374235	03/02/17 11:39	FXG	TAL CHI
Dissolved	Prep	7470A			372758	02/20/17 12:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	372932	02/21/17 11:17	MJD	TAL CHI

TestAmerica Chicago

MWG13-15_62307

3/3/2017

Lab Chronicle

Client: KPRG and Associates, Inc.
Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Client Sample ID: MW-15

Date Collected: 02/17/17 13:08

Date Received: 02/17/17 19:50

Lab Sample ID: 500-123844-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	9010B			373252	02/23/17 10:50	EAT	TAL CHI
Dissolved	Analysis	9014		1	373406		EAT	TAL CHI
					(Start)	02/23/17 16:27		
					(End)	02/23/17 16:27		
Dissolved	Analysis	9038		25	373568		CLB	TAL CHI
					(Start)	02/26/17 23:54		
					(End)	02/26/17 23:55		
Dissolved	Analysis	9251		5	372667	02/19/17 19:47	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	372974	02/21/17 17:16	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	373168	02/22/17 22:53	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	372894	02/20/17 17:41	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	373413		EAT	TAL CHI
					(Start)	02/18/17 15:07		
					(End)	02/18/17 15:08		
Dissolved	Analysis	SM 4500 NO3 F		1	372959	02/20/17 22:23	HMW	TAL CHI

Client Sample ID: Trip Blank

Date Collected: 02/14/17 00:00

Date Received: 02/17/17 19:50

Lab Sample ID: 500-123844-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	372686	02/20/17 16:28	TCT	TAL CHI

Laboratory References:

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

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

TestAmerica Chicago

MWG13-15_62308

3/3/2017

Certification Summary

Client: KPRG and Associates, Inc.
 Project/Site: Powerton Station CCA

TestAmerica Job ID: 500-123844-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

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

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-17
Arizona	State Program	9	AZ0708	08-11-17
Arkansas DEQ	State Program	6	88-0691	06-17-17
California	State Program	9	2897	01-31-18
Colorado	State Program	8	CA00044	08-31-17
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-17
Hawaii	State Program	9	N/A	01-31-17 *
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-17
L-A-B	DoD ELAP		L2468	01-20-18
Louisiana	NELAP	6	30612	06-30-17
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-17
New Jersey	NELAP	2	CA005	06-30-17
New York	NELAP	2	11666	04-01-17
Oregon	NELAP	10	4040	01-28-18
Pennsylvania	NELAP	3	68-01272	03-31-17
Texas	NELAP	6	T104704399	07-31-17
US Fish & Wildlife	Federal		LE148388-0	10-31-17
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-17 *
Virginia	NELAP	3	460278	03-14-17
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-29-17 *

* Certification renewal pending - certification considered valid.

TestAmerica Chicago

MWG13-15_62309
 3/3/2017



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St
University Park, IL 60484
708-634-8200
Fax: 708-634-8211

Report To:
Contact: Rich Gnat
Company: KPRG & Associates Inc.
Address: 14665 W. Linton Rd. Suite 209
Brookfield, WI
Phone: 262-781-0475
Fax: _____
Email: _____

Bill To:
Contact: _____
Company: _____
Address: _____
Phone: _____
Fax: _____
PO #: _____

Lab Lot # 500-123844
Package Sealed Yes No
Samples Sealed Yes No
Received on Ice Yes No
Samples Intact Yes No
Temperature °C of Cooler 25

Sampler Name: Ian John Howleson
Project Name: Powertron Station Ash Ponds
Project Location: Pekin, IL
Lab P.M.: Eric Lang
Client Project #: 12313.1
TestAmerica Project Number: 60008027
Date Required: _____
Hard Copy: _____
Fax: _____

Laboratory ID	Client Sample ID	Sampling Date Time	Matrix	# of Cont	NO2, dissolved	Additional Analyzes / Remarks
1	MA-01	2-14-17 14:55	W	1	X	
2	MA-02	2-14-17 10:02	W	1	X	
3	MA-03	2-14-17 10:58	W	1	X	
4	MA-04	2-14-17 12:12	W	1	X	
5	MA-05	2-14-17 13:20	W	1	X	
			W			
			W			
			W			
			W			
			W			
			W			
			W			
			W			

Relinquished By: *ISH*
Relinquished By: *HRG*
Date: 2-14-17
Time: 14:45
Company: *HRG*

Received By: *FBEX*
Received By: *Andersson*
Date: 02/15/17
Time: 0930
Company: *TRITE*

Matrix Key
WWW = Wastewater
W = Water
S = Soil
SL = Sludge
MS = Miscellaneous
OL = Oil
A = Air

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Wilmomouth Glass
6. Other

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

Days Received 02/15/17
Count: _____
Hand Delivered
Bill of Lading: *FX STD*



500-123844 COC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60
 708-534-5200
 Fax: 708-534-5211 500-123844 COC



Report To:

Contact: Rich Greal
 Company: KPRG & Associates Inc
 Address: 14695 W. Lisbon Rd. Suite 2B
 Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

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

Lab Lot # 500-123844
 Packages Sealed Yes (No)
 Samples Sealed Yes (No)
 Repackaged on Ice Yes (No)
 Samples Intact Yes (No)
 Temperature °C of Cooler 3.4
 With-in-Cold Time 2.2
 Repackaged on Ice 4.3
 pH Check OK Yes (No)
 Check OK/Reas Cl₂ of Yes (No)
 Sample Labels and COC Agree Yes (No)
 COC not present

Sampler Name: Ian John Howison
 Client Project # 12313.1
 Project Name: TestAmerica Project Number: 50008027
 Project Location: Poweron Station Ash Ponds
 Pekin, IL
 Lab PM: Eric Lang
 Data Required: / /
 Hard Copy: / /
 Fax: / /

Laboratory ID	Client Sample ID	Sampling Date	Time	Matrix	# of Cont	18 Metals + Hg, dissolved	Cl, TDS, SO4, FI	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228	Additional Analyses / Remarks
1	MMW-01	2-14-17	14:55	W	8	X	X	X	X	X	X	X	X	X	
2	MMW-02	2-14-17	10:02	W	8	X	X	X	X	X	X	X	X	X	
3	MMW-03	2-14-17	10:58	W	8	X	X	X	X	X	X	X	X	X	
4	MMW-04	2-14-17	12:12	W	8	X	X	X	X	X	X	X	X	X	
5	MMW-05	2-14-17	13:20	W	8	X	X	X	X	X	X	X	X	X	
6	MMW-06	2-16-17	13:39	W	8	X	X	X	X	X	X	X	X	X	
7	MMW-07	2-16-17	4:36	W	8	X	X	X	X	X	X	X	X	X	
8	MMW-08	2-16-17	5:56	W	8	X	X	X	X	X	X	X	X	X	
9	MMW-09	2-15-17	11:28	W	11	X	X	X	X	X	X	X	X	X	
10	MMW-10	2-15-17	6:13	W	8	X	X	X	X	X	X	X	X	X	
11	MMW-11	2-16-17	10:08	W	11	X	X	X	X	X	X	X	X	X	

RELINQUISHED BY: ISH
 COMPANY: HPRG
 DATE: 2-17-17
 TIME: 19:50
 RECEIVED BY: Ian John Howison
 COMPANY: TA
 DATE: 2/17/17
 TIME: 19:50

- Matrix Key**
- WW = Wastewater
 - W = Water
 - S = Soil
 - SL = Sludge
 - MS = Miscellaneous
 - OL = Oil
 - A = Air
- Container Key**
- 1. Plastic
 - 2. VOA Vial
 - 3. Sterile Plastic
 - 4. Amber Glass
 - 5. Wadsworth Glass
 - 6. Other
- Preservative Key**
- 1. HCl, Cool to 4°
 - 2. H₂SO₄, Cool to 4°
 - 3. HNO₃, Cool to 4°
 - 4. NaOH, Cool to 4°
 - 5. NaOH/Zn, Cool to 4°
 - 6. Cool to 4°
 - 7. None

COMMENTS:

Date Received: 2/17/17
 Counter: 1
 Hand Delivered:

Bill of Lading: 1 of 2

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago

2417 Bond St.

University Park, IL 60464

708-534-5200

Fax: 708-534-5211

Report To:

Bill To:

Contact:	Rich Gnat	Contact:	
Company:	KPRG & Associates Inc	Company:	
Address:	14655 W. Lisbon Rd, Suite 2B Brookfield, WI	Address:	
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
Email:		PO #:	

Sampler Name:	Client Project #	Retrig #	
Ian John Howison	12313.1	# / Cont.	
Project Name:	TestAmerica Project Number:	Volume	
Powerlon Station Ash Ponds	50008027	Preserv.	
Project Location:	Date Required	Matrix	
PeKin, IL	Hard Copy: / /	Comp/Grab	
Lab PM: Eric Lang	Fax: / /	18 Metals + Hg, dissolved	

Laboratory ID	Client Sample ID	Sampling Date	Time	Matrix	Comp/Grab	Cl, TDS, SO ₄ , F _l	NO ₂ , dissolved	NO ₃ +NO ₂ , dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228	Additional Analyses / Remarks
14	MMW-12	2-16-17	11:55	W	12	X	X	X	X	X	X	X	X	
15	MMW-13	2-17-17	09:59	W	12	X	X	X	X	X	X	X	X	
16	MMW-14	2-17-17	11:25	W	12	X	X	X	X	X	X	X	X	
17	MMW-15	2-17-17	13:08	W	12	X	X	X	X	X	X	X	X	
18	MMW-16	2-15-17	09:58	W	8	X	X	X	X	X	X	X	X	
18	Duplicates	2-15-17		W	8	X	X	X	X	X	X	X	X	
18	Tripp Blank			W	2									

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
TSHT	KPRG	2-17-17	19:50	Kathryn Johnson	TR	2/17/17	19:50

Matrix Key	Container Key	Preservative Key	COMMENTS:
WW = Wastewater W = Water S = Soil SL = Sludge MS = Miscellaneous OL = Oil A = Air	SE = Sediment SO = Solid DL = Drum Liquid DS = Drum Solid L = Leachate W = Wipe O =	1. HCl, Cool to 4° 2. H ₂ SO ₄ , Cool to 4° 3. HNO ₃ , Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/H ₂ O ₂ , Cool to 4° 6. Cool to 4° 7. None	

STL-8208 (0600) PAGE 2 of 2

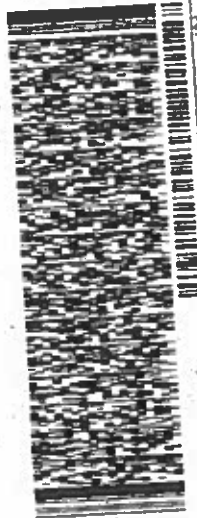
ORIGIN: JDRPING (830) 325-1300
KPNR AND ASSOCIATES
414 PLAZA DR STE 108
WESTMON, IL 605583509
UNITED STATES US

SHIP DATE: 14FEB17
ACTWT: 22.90 LB
CNO: POST222
DIM9: 21X14X12 IN
BILL SENDER

TO ERIC LANG
TESTAMERICA LABORATORIES, INC.
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 634-6200

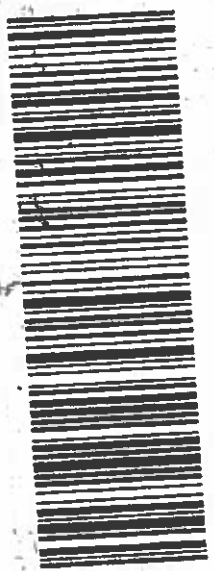


TRK# 8467 4850 9010
0215

WED - 15 FEB 3:00P
STANDARD OVERNIGHT

XH JOTA

60484
IL-US ORD



500-123844 Waybill

ORIGIN 10:PIPA (630) 325-1300
KING & ASSOC
100 JOHN HOLLIESON
414 PLAZA DR STE 106
HESTON, IL 60558
UNITED STATES US

SHIP DATE: 15FEB17
ACTWT: 23.10 LB
CNO: 006884780/SFEL722
DIRS: 18X14X12 IN
BILL THIRD PARTY

TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 624-6200 REF: 0201



THU - 16 FEB 3:00P
STANDARD OVERNIGHT

60484
IL-US ORD



500-123844 Waydell

ORIGIN ID:PIAG (630) 325-1300
KRIC RND R830C
11W RND H011E80N
414 FLZLN DR STE 108
HESTON, IL 60558
UNITED STATES US

SHIP DATE: 18FEB17
ACTWGT: 57.90 LB
CMT: 06859780/SECRET722
DIRS: SIXTELE IN
BILL THIRD PARTY

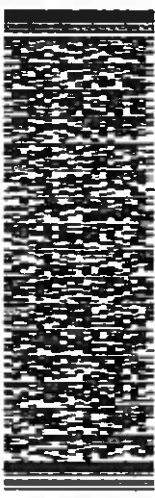
TO: ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

(709) 534-6300
NY

NY

21 2017 FEB 17 10 17 AM

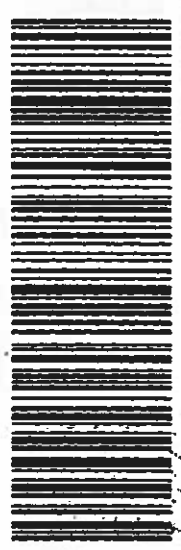


TRK 7856 3651 4598

FRI -- 17 FEB 3:00P
STANDARD OVERNIGHT

XH JOTA

60484
IL-ILS ORD



5001723644 Newark

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-123844-1

Login Number: 123844

List Source: TestAmerica Chicago

List Number: 1

Creator: Sanchez, Ariel M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.54, 1, -1.3, 3.4, 2.7, 2.4, 3.1, 2.9, 3.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with Immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4''$).	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-123844-1

Login Number: 123844
List Number: 3
Creator: Edman, Connor M

List Source: TestAmerica Sacramento
List Creation: 02/21/17 05:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	861220 ; 861230
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	
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.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



QUARTERLY GROUNDWATER MONITORING REPORT
JOLIET #29 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 FEDERAL EXPRESS

Re: Quarterly Groundwater Monitoring Results – Second Quarter 2017
Joliet #29 Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00059; ID# 6284

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) Joliet #29 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 is being submitted summarizing the results of the monitoring event.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at the Joliet facility consists of eleven wells (MW-1 through MW-11) 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). Overall the wells were in good condition with locked protector casings and the concrete surface seals were intact.

Groundwater samples at well locations MW-3 through MW-11 were collected using the low-flow sampling technique. Based on historical water levels at monitoring well locations MW-1 and MW-2, it was determined that there was not enough water column within these wells (generally less than two feet of water column within each well) to allow for the placement of dedicated pumping systems. Instead, at these two well locations, samples were collected using a peristaltic pump. It is noted that during this quarter, there was an insufficient volume of water within well MW-1 to be able to collect a sample.

One duplicate sample was collected from well MW-9. In addition, a deionized water trip blank accompanied the groundwater samples bottles from and back to the laboratory. The groundwater monitoring samples and the duplicate sample were analyzed for the 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 listed in IAC 620.410(d).

