

QUARTERLY GROUNDWATER MONITORING REPORT
POWERTON GENERATING STATION

July 5, 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
Powerton Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00057; ID# 6282

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) 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).

Ex. 2600

Groundwater Flow Evaluation

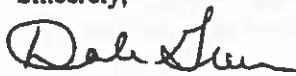
Water level data from the most recent round of sampling along with historical water levels obtained from each well are summarized in Table 1. As noted in previous submittals, monitoring wells MW-6, MW-8, MW-12, MW-14 and MW-15 are screened within a shallow, localized, saturated clay/silt unit which is 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-7. 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,

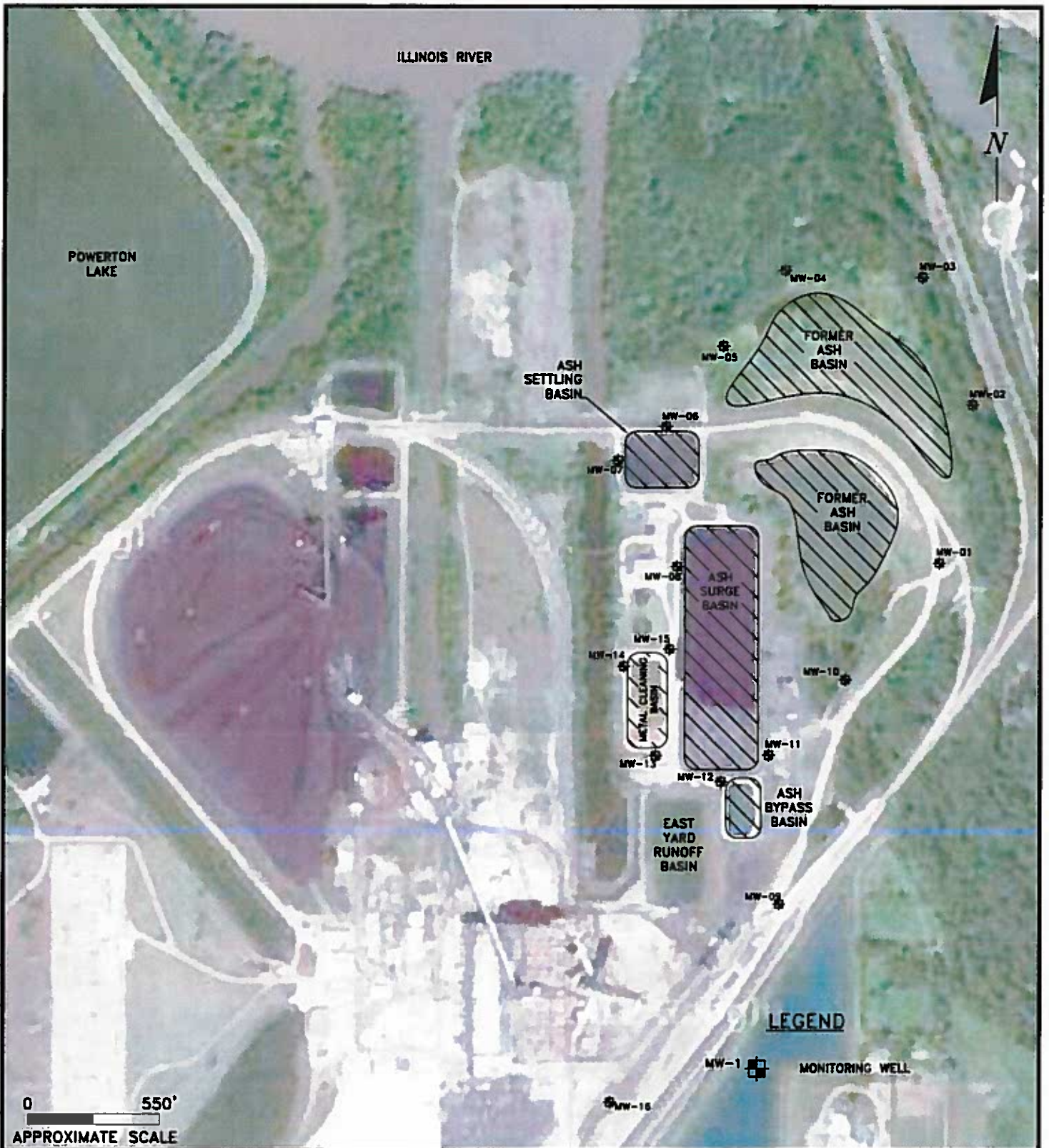


Dale Green
Station Manager

Attachments


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

FIGURES



0 550'
APPROXIMATE SCALE

LEGEND

MW-1  MONITORING WELL

ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, Inc.

14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478

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

SITE MAP

**POWERTON STATION
PEKIN, ILLINOIS**

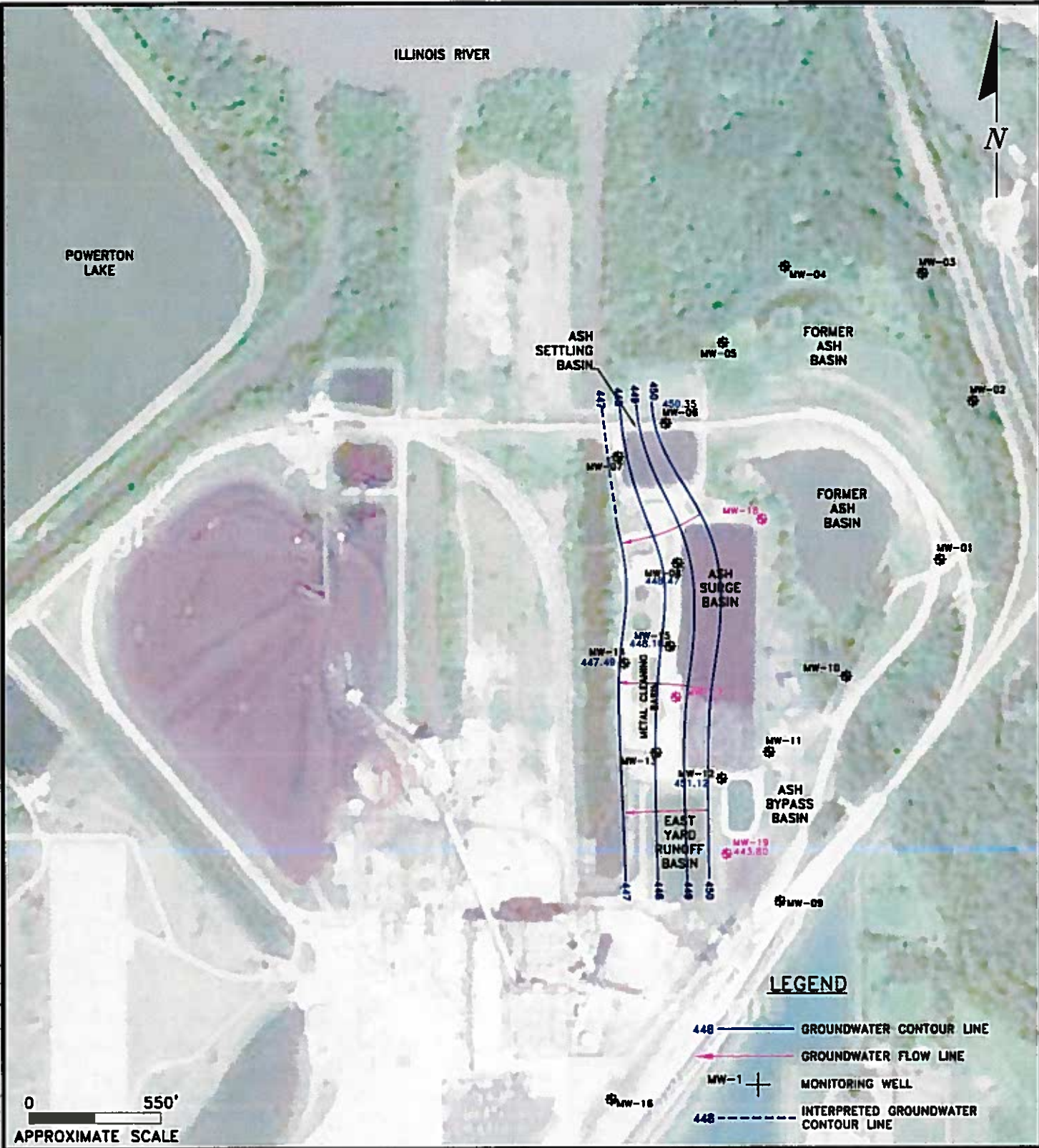
Scale: 1" = 550'

Date: January 23, 2015

KPRG Project No. 12313.1

FIGURE 1

KPRG and Associates, Inc. 14665 West Lisbon Road, Suite 2B Brookfield, Wisconsin 53005 Telephone 262-781-0475 Facsimile 262-781-0478
 414 Plaza Drive, Suite 106 Westmont, Illinois 60559 Telephone 630-325-1300 Facsimile 630-325-1593
 MW-13-15-02536



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

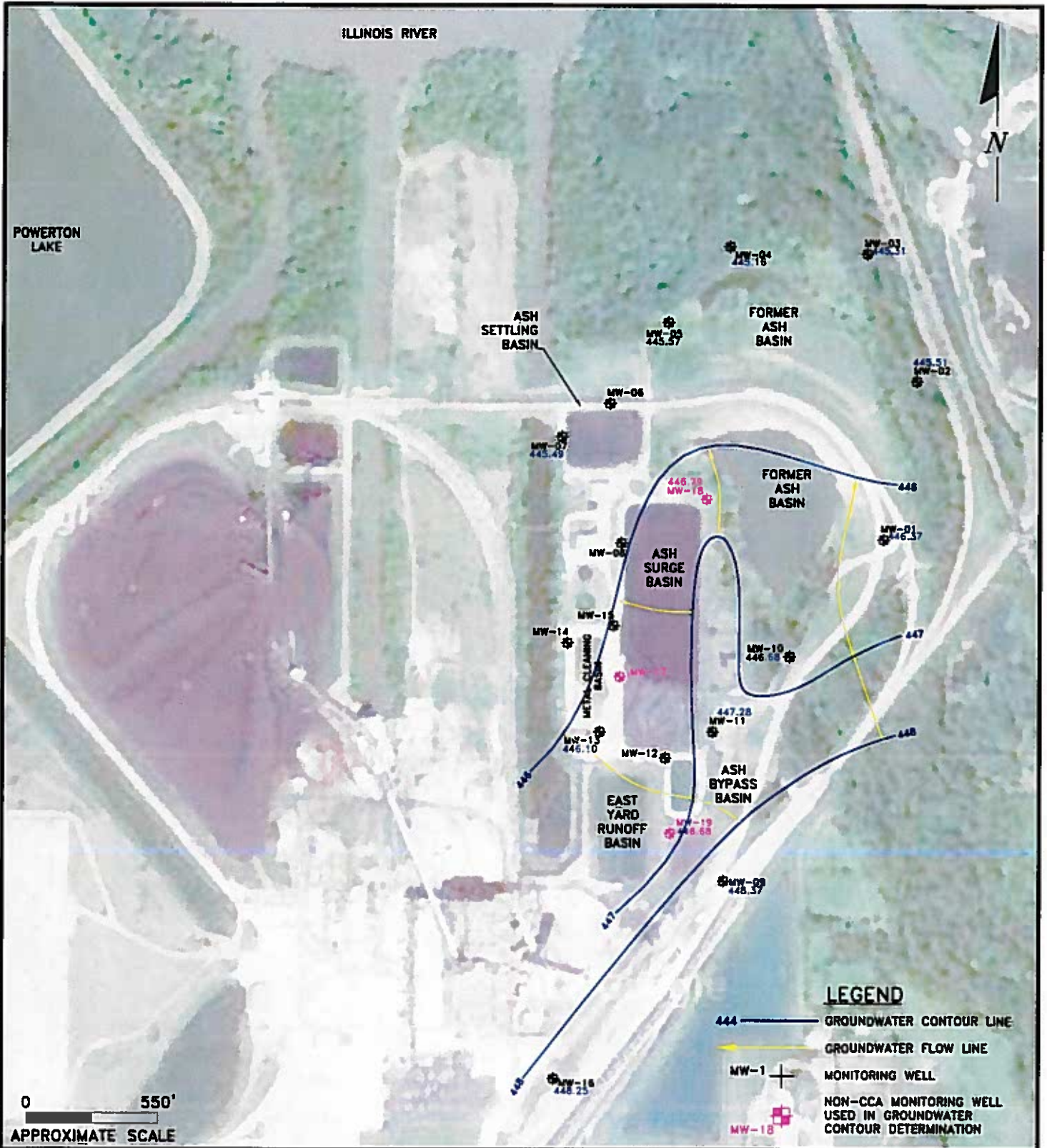
GROUNDWATER CONTOUR MAP FOR SILT/CLAY UNIT 05/2017

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: June 16, 2017

KPRG Project No. 12313.1 MWC13-02580 **FIGURE 2**

KPRG and Associates, Inc. 12313.1-02580-01 Groundwater Contour Map for Silt/Clay Unit 05/2017 at Powerton Station, Pekin, Illinois. Date: June 16, 2017. Scale: 1" = 550'. Project No. 12313.1



0 550'
APPROXIMATE SCALE

LEGEND
 444 ——— GROUNDWATER CONTOUR LINE
 ——— GROUNDWATER FLOW LINE
 MW-1 + MONITORING WELL
 MW-18 + NON-CCA MONITORING WELL USED IN GROUNDWATER CONTOUR DETERMINATION

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 630-325-1591

GROUNDWATER CONTOUR MAP FOR GRAVELLY SAND UNIT 05/2017

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: June 16, 2017

KPRG Project No. 12313.1 | MWG 13-16-02340 | **FIGURE 3**

I:\Projects\12313.1\12313.1_052017\Drawings\12313.1_052017_gw_contour.dwg
 12/16/2017 10:48:11 AM
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TABLES

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

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-01	2/23/2015	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
5/3/2017	465.24	462.01	446.37	447.11	431.14	18.87	18.13	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
	5/1/2017	462.60	459.53	445.51	445.64	425.49	17.09	16.96	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
	5/1/2017	462.48	459.31	445.31	445.36	425.18	17.17	17.12	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
	5/1/2017	460.57	457.30	445.16	445.34	423.42	15.41	15.23	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
	5/1/2017	458.66	455.92	445.57	445.72	423.87	13.09	12.94	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
	5/2/2017	464.50	461.27	450.35	451.78	431.90	14.15	12.72	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
	5/2/2017	463.27	459.73	445.49	446.90	414.97	17.78	16.37	48.30

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

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-08	2/26/2015	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
5/2/2017	471.75	468.75	448.47	448.62	438.23	23.28	23.13	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
5/3/2017	469.14	466.44	448.37	448.74	434.00	20.77	20.40	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
5/2/2017	457.31	453.97	446.68	446.96	424.81	10.63	10.35	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
5/3/2017	471.62	468.04	447.28	448.50	427.92	24.34	23.12	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
5/3/2017	473.38	470.34	451.12	451.15	440.79	22.26	22.23	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
5/4/2017	470.94	467.79	446.10	449.38	427.85	24.84	21.56	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
5/4/2017	470.90	467.73	447.49	448.77	439.43	23.41	22.13	31.47	

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

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-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
5/4/2017	471.37	468.29	448.10	448.25	439.90	23.27	23.12	31.47	
MW-16	2/24/2015	471.56	468.26	443.74	443.74	434.27	27.82	27.82	37.29
	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
	5/2/2017	471.55	469.32	448.25	448.33	434.26	23.30	23.22	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 L.L.C., Powerton Station, Pekin, IL

Sample: MW-01	Parameter	Standards	5/11/2015		8/18/2015		11/16/2015		2/25/2016		5/20/2016		8/17/2016		11/16/2016		2/14/2017		5/3/2017	
			DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
	Ammony	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	0.038	0.0025	0.065	0.0025	0.054	0.0025	0.049	0.0025	0.052	0.0025	0.046	0.0025	0.044	0.0025	0.036	0.0025	0.032
	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	0.087	0.050	0.30	0.050	0.94	0.050	0.26	0.050	0.31	0.050	0.27	0.050	0.17	0.050	0.14	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	0.00050	ND	0.00050	ND
	Chloride	200.0	2.0	67	2.0	58	2.0	44	2.0	42	2.0	44	2.0	40	2.0	39	2.0	55	2.0	58
	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	0.23	0.10	0.16	0.10	0.18	0.10	0.16	0.10	0.17	0.10	0.24	0.10	0.23	0.10	0.42	0.10	0.16
	Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0028	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054
	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	2.6	0.10	0.27	0.10	4.3	0.10	3.6	0.10	4.9	0.10	5.7	0.10	5.2	0.10	6.4	0.10	4.6
	Nitrogen/Nitrate, Nitrite	NA	0.20	2.6	0.10	0.27	0.50	4.3	0.20	3.6	0.50	4.9	0.50	5.7	0.50	5.2	0.50	6.4	0.50	4.6
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
	Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0037	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	10	50	20	55	20	66	10	57	10	59	10	51	10	55	10	58	10	40
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Total Dissolved Solids	1,200	10	450	10	650	10	510	10	460	10	500	10	620	10	480	10	500	10	470
	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	0.0016	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	0.0053	0.0025	0.0037	0.0025	0.0038	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.39	NA	6.89	NA	7.07	NA	7.23	NA	6.95	NA	7.16	NA	7.22	NA	7.30	NA	7.41
	Temperature	NA	NA	14.01	NA	22.91	NA	13.85	NA	7.82	NA	14.70	NA	24.92	NA	18.68	NA	10.70	NA	9.68
	Conductivity	NA	NA	0.65	NA	1.01	NA	0.68	NA	0.57	NA	0.62	NA	0.74	NA	0.62	NA	0.59	NA	0.54
	Dissolved Oxygen	NA	NA	4.82	NA	2.51	NA	1.62	NA	3.74	NA	5.69	NA	1.53	NA	3.11	NA	6.64	NA	7.36
	ORP	NA	NA	53.6	NA	-15.3	NA	118.2	NA	47.3	NA	38.8	NA	10.1	NA	10.7	NA	21.7	NA	-46.6

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

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

* - Median Value
 ^ - Detector instrument related QC 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
 mS/cm
 mg/L
 mV

degrees Celsius
 milliequivalents/centimeter
 milligrams/liter
 millivolts

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

Parameter	Standards	5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
		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	0.0016	0.0010	0.0017	0.0010	ND	0.0010	0.0013	0.0010	0.0010	0.0010	ND	0.0010	0.0015	0.0010	0.0013	0.0010	0.0012
Barium	2.0	0.0025	0.055	0.0025	0.072	0.0025	0.066	0.0025	0.058	0.0025	0.061	0.0025	0.050	0.0025	0.057	0.0025	0.046	0.0025	0.050
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	0.11	0.050	0.41	0.050	0.50	0.050	0.24	0.050	0.30	0.050	0.32	0.050	0.15	0.050	0.16	0.050	0.21
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	92	2.0	51	2.0	45	2.0	45	2.0	47	2.0	39	2.0	39	2.0	50	2.0	56
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	0.22	0.10	0.22	0.10	0.18	0.10	0.16	0.10	0.23	0.10	0.24	0.10	0.19	0.10	0.22	0.10	0.15
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	0.015	0.0025	0.0027	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 F2	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	1.2	0.10	ND	0.10	3.2	0.10	2.9	0.10	4.1	0.10	2.7	0.10	4.5	0.10	4.1	0.10	0.78
Nitrogen/Nitrate, Nitrite	NA	0.10	1.2	0.10	ND	0.20	3.2	0.20	2.9	0.50	4.1	0.50	2.7	0.50	4.5	0.50	4.1	0.10	0.78
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	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	10	41	10	53	20	77	20	73	10	54	10	39	10	53	10	50	25	60
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	490	10	540	10	480	10	440	10	470	10	370	10	470	10	510	10	500
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	0.001	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	0.00055	0.0025	0.0042	0.0025	ND	0.0025	0.00077	0.0025	0.00068	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.86	NA	7.28	NA	7.12	NA	7.28	NA	7.33	NA	7.29	NA	7.50	NA	6.18	NA	7.99
Temperature	NA	NA	12.12	NA	24.86	NA	13.93	NA	5.47	NA	11.12	NA	10.65	NA	11.20	NA	5.17	NA	10.37
Conductivity	NA	NA	0.66	NA	0.86	NA	0.64	NA	0.47	NA	0.55	NA	0.56	NA	0.53	NA	0.50	NA	0.56
Dissolved Oxygen	NA	NA	1.99	NA	1.52	NA	8.66	NA	4.93	NA	2.58	NA	1.89	NA	6.05	NA	5.00	NA	3.26
ORP	NA	NA	87.3	NA	-37.7	NA	112.9	NA	36.9	NA	27.6	NA	-32.8	NA	13.2	NA	235.1	NA	-51.6

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

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

* - Median Value
 ^ - Denotes instrument related QC exceeds the constant limits
 F1 - MS and/or A1SD Recovery outside of limits
 F2 - MS/MSD RPD exceeds constant limits

Temperature °C
 Conductivity µm/cm
 Dissolved Oxygen mg/L
 Oxygen Reduction Potential (ORP) mV

degrees Celsius
 microsiemens/cmeters
 milligrams/liter
 millivolts

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

Sampler: MW-03	Parameter	Standards	5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
			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	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Barium	2.0	0.0025	0.045	0.0025	0.054	0.0025	0.061	0.0025	0.042	0.0025	0.051	0.0025	0.058	0.0025	0.054	0.0025	0.059	0.0025	0.057
	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	0.086	0.050	0.34	0.050	0.30	0.050	0.42	0.050	0.28	0.050	0.30	0.050	0.31	0.050	0.19	0.050	0.24
	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	48	2.0	45	2.0	43	2.0	46	2.0	46	2.0	44	2.0	39	2.0	47	2.0	55
	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	0.22	0.10	0.30	0.10	0.29	0.10	0.23	0.10	0.20	0.10	0.22	0.10	0.24	0.10	0.24	0.10	0.21
	Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	ND	0.0025	0.016	0.0025	0.0031	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	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	2.7	0.10	ND	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.10	3.7	0.10	4.6	0.10	1.2
	Nitrogen/Nitrate, Nitrite	NA	0.20	2.7	0.10	ND	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.10	3.7	0.10	4.6	0.10	1.2
	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	0.0046	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	0.0044	0.0025	ND	0.0025	0.0036	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	10	39	10	48	20	50	20	77	20	78	20	74	10	46	10	50	20	54
	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	380	10	420	10	380	10	400	10	450	10	530	10	450	10	460	10	510
	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	0.002	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	0.0054	0.0025	ND	0.0025	0.00074	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.63	NA	7.63	NA	7.12	NA	7.41	NA	6.99	NA	7.23	NA	7.33	NA	7.49	NA	7.54
	Temperature	NA	NA	10.39	NA	25.85	NA	19.09	NA	6.10	NA	8.82	NA	15.65	NA	14.93	NA	11.71	NA	11.66
	Conductivity	NA	NA	0.53	NA	0.74	NA	0.60	NA	0.44	NA	0.49	NA	0.59	NA	0.53	NA	0.55	NA	0.55
	Dissolved Oxygen	NA	NA	6.34	NA	3.10	NA	1.01	NA	9.60	NA	3.67	NA	2.52	NA	3.56	NA	2.04	NA	5.97
	ORP	NA	NA	107.9	NA	-35.7	NA	92.5	NA	36.1	NA	70.1	NA	2.8	NA	22.1	NA	118.3	NA	-1.0

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Sections 620-310 - 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
* Denotes instrument related QC exceeds the control limits
* P1, M1S and/or M1SD Recovery outside of limits.

Temperature Conductivity Dissolved Oxygen
°C mg/L inV
mg/L inV
mg/L inV
Oxygen Reduction Potential (ORP)

degrees Celsius
milliSiemens/cm
milligrams/liter
millivolts

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

Sample: MW-04	Parameter	Standards	5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
			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	0.027	0.0025	0.030	0.0025	0.028	0.0025	0.037	0.0025	0.035	0.0025	0.035	0.0025	0.026	0.0025	0.022	0.0025	0.029
	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	0.80	0.050	0.51	0.050	0.43	0.050	0.60	0.050	0.90	0.050	0.90	0.050	0.79	0.050	0.48	0.050	0.55
	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	65	2.0	74	2.0	47	2.0	60	2.0	59	2.0	53	2.0	53	2.0	56	2.0	58
	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	0.26	0.10	0.26	0.10	0.22	0.10	0.25	0.10	0.28	0.10	0.27	0.10	0.27	0.10	0.25	0.10	0.19
	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	0.075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	ND	0.0025	0.14	0.0025	ND	0.0025	0.0041	0.0025	0.025	0.0025	0.22	0.0025	0.22	0.0025	0.19	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	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0021	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	0.85	0.10	0.45	0.10	0.45	0.10	1.3	0.10	1.3	0.10	1.3	0.10	0.64	0.10	0.38
	Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.85	0.10	0.45	0.10	0.45	0.10	1.3	0.10	1.3	0.10	1.3	0.10	0.64	0.10	0.38
	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	0.049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
	Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	0.0033	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	0.0049	0.0025	0.0026
	Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Sulfate	400.0	20	120	20	75	20	74	20	65	20	61	20	30	20	30	20	68	25	67
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Total Dissolved Solids	1,200	10	540	10	550	10	420	10	480	10	590	10	510	10	510	10	510	10	540
	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	0.0017	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	BIETH	11.705	0.0025	ND	0.0025	0.0056	0.0025	0.0069	0.0025	0.0069	0.0025	0.0069	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.30	NA	6.72	NA	7.28	NA	7.09	NA	7.07	NA	7.12	NA	7.12	NA	7.21	NA	7.34
	Temperature	NA	NA	13.52	NA	16.54	NA	6.06	NA	14.14	NA	21.42	NA	17.30	NA	17.30	NA	12.11	NA	12.10
	Conductivity	NA	NA	0.73	NA	0.77	NA	0.48	NA	0.67	NA	0.77	NA	0.68	NA	0.68	NA	0.64	NA	0.61
	Dissolved Oxygen	NA	NA	3.05	NA	6.90	NA	9.71	NA	0.94	NA	2.20	NA	2.26	NA	2.26	NA	2.91	NA	5.49
	ORP	NA	NA	72.4	NA	88.4	NA	43.8	NA	43.3	NA	-95.2	NA	-43.9	NA	-43.9	NA	57.7	NA	-4.5

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

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

°C - Median Value
 °C - Denotes instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits

Temperature °C
 Conductivity µm/cm
 Dissolved Oxygen mg/L
 Oxygen Reduction Potential (ORP) mV

Degrees Celsius
 milligrams/centimeters
 milligrams/liter
 millivolts

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

Sample: MW-05	Parameter	Standards	5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016		2/14/2017		5/1/2017	
			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	0.055	0.0025	0.073	0.060	0.043	0.0025	0.043	0.051	0.025	0.055	0.025	0.051	0.025	0.051	0.025	0.051	0.025
	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	0.72	0.050	1.3	0.74	0.59	0.050	0.59	0.63	0.66	0.66	0.10	0.83	0.050	0.59	0.050	0.59	0.68
	Cadmium	0.005	0.00050	ND	0.00050	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050
	Chloride	200.0	10	120	2.0	60	110	54	2.0	54	88	100	100	2.0	66	10	98	10	92	92
	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	0.37	0.10	0.26	0.27	0.10	0.10	0.27	0.35	0.30	0.10	0.25	0.10	0.25	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	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	0.0078	0.0025	0.13	0.084	0.044	0.0025	0.044	0.039	0.015	0.025	0.0040	0.0025	0.0040	0.025	0.0068	0.0025	0.024
	Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	0.0023	0.0020	0.0051	0.0027	0.0032	0.0020	0.0032	0.0027	0.0020	0.0020	0.0020	0.0020	0.0020	0.10	0.12	0.10	0.12
	Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.27	0.10	ND	0.10	ND	0.10	0.12	0.10	ND	0.10	ND
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	0.27	0.10	ND	0.10	ND	0.10	0.12	0.10	ND	0.10	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	50	150	50	250	180	130	25	140	140	160	50	94	50	130	50	50	50	180
	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	730	10	860	810	550	10	690	800	800	10	630	10	720	10	720	10	720
	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	0.00068	0.00068	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	0.00278	0.00278	0.0025	ND	0.0011	0.0006	0.0025	0.0006	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.26	NA	7.35	6.65	7.18	NA	7.08	NA	6.85	NA	6.96	NA	6.96	NA	7.25	NA	7.60
	Temperature	NA	NA	17.46	NA	25.42	15.07	11.30	NA	13.85	NA	19.41	NA	15.32	NA	15.32	NA	13.93	NA	12.43
	Conductivity	NA	NA	1.06	NA	1.32	1.06	0.75	NA	0.83	NA	1.02	NA	0.77	NA	0.77	NA	0.87	NA	0.82
	Dissolved Oxygen	NA	NA	1.54	NA	2.24	1.32	1.99	NA	2.58	NA	2.88	NA	1.33	NA	1.33	NA	1.93	NA	3.43
	ORP	NA	NA	23.5	NA	-27.7	-4.8	-103.8	NA	-65.0	NA	-99.8	NA	-34.7	NA	-18.4	NA	-18.4	NA	-142.5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Sections 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

° - Median Value
° - Denotes instrument related QC exceeds the control limits
F1 - MS and/or HSD Recovery outside of limits

Temperature
Conductivity
Dissolved Oxygen
Oxygen Reduction Potential (ORP)

°C
mS/cm
mg/L
mV

degrees Celsius
microsiemens/cmeters
milligrams/liter
millivolts

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

Sample: MW-06	Parameter	Standards	5/11/2015		8/18/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/16/2016		2/16/2017		5/2/2017	
			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	0.0016	ND	0.0030	ND FI	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
	Arsenic	0.010	0.0010	ND	0.0025	0.12	0.0010	0.0016	0.0010	0.0019 FI	0.0010	ND	0.0010	ND	0.0010	0.0022	0.0010	ND	0.0010	ND
	Barium	2.0	0.0025	0.94	0.0010	ND	0.0025	0.11	0.0025	0.082 FI	0.0025	0.098	0.0025	0.090	0.0025	0.090	0.0025	0.079	0.0025	0.077
	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	0.35	0.050	0.75	0.050	0.51	0.40 FI	0.40 FI	0.34	0.41	0.050	0.36	0.050	0.36	0.050	0.29	0.050	0.36
	Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND FI	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Chloride	200.0	10	230	10	170	10	210	200	200 FI	200 FI	200 FI	10	180 FI	10	190	10	190	10	180
	Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND FI	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 FI	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 FI	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	0.52	0.10	0.56	0.10	0.64	0.58	0.10	0.48	0.10	0.60	0.10	0.50	0.10	0.26	0.10	0.10	0.31
	Iron	5.0	0.10	0.29	0.10	1.8	0.10	1.4	1.6 FI	0.10	0.15	0.10	ND	0.10	1.1	0.10	1.4	0.10	0.10	ND
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND FI	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	0.90	0.0025	1.2	0.0025	0.98	0.87 FI	0.0025	0.85	0.0025	0.57	0.0025	0.79	0.0025	1.0	0.0025	0.0025	0.086
	Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19
	Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.19
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
	Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND FI	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 FI	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Sulfate	400.0	100	350	100	400	100	490	390	100	500	100	380	100	470	100	390	100	100	420
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND FI	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	1100	1100	10	1400	10	1200	10	1100	10	1000	10	1000	1200
	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 FI	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
	BiTEX	11.705	0.0025	ND	0.0025	ND	0.0025	0.0013	0.00061	0.0025	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053	0.00053
	pH	6.5 - 9.0	NA	7.76	NA	7.94	NA	7.46	7.68	NA	7.47	NA	7.31	NA	7.66	NA	7.66	NA	7.66	7.58
	Temperature	NA	NA	17.91	NA	21.94	NA	18.66	13.60	NA	15.26	NA	28.74	NA	19.81	NA	12.94	NA	14.71	14.71
	Conductivity	NA	NA	1.67	NA	1.99	NA	1.58	1.31	NA	1.56	NA	1.94	NA	1.43	NA	1.24	NA	1.26	1.26
	Dissolved Oxygen	NA	NA	1.57	NA	1.60	NA	1.20	0.64	NA	0.83	NA	1.32	NA	1.42	NA	1.06	NA	2.84	2.84
	ORP	NA	NA	-73.6	NA	-142.7	NA	-90.4	-96.8	NA	-58.8	NA	-166.3	NA	-151.6	NA	-102.5	NA	-79.2	-79.2

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Sections 620.210 - 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

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

Temperature °C
 Conductivity mg/L
 Dissolved Oxygen mg/L
 Oxygen Reduction Potential (ORP) mV

degrees Celsius
 milligrams/centimeter
 milligrams/liter
 millivolts

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

Sample: MW-07	Parameter	Standards	5/11/2015		8/18/2015		11/16/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016		2/16/2017		5/2/2017	
			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	0.18	0.0010	0.23	0.0010	0.13	0.0010	0.21	0.0010	0.13	0.0010	0.14	0.0010	0.18	0.0010	0.19	0.0010	0.12
	Barium	2.0	0.0025	0.50	0.0025	0.49	0.0025	0.43	0.0025	0.50	0.0025	0.46	0.0025	0.44	0.0025	0.51	0.0025	0.50	0.0025	0.41
	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	0.38	0.050	0.36	0.050	0.39	0.050	0.36	0.050	0.36	0.050	0.35	0.050	0.30	0.050	0.50
	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	170	10	140	10	160	10	150	10	180	10	160	10	150	10	170	10	170
	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	0.0070	0.0010	0.0026	0.0010	0.0062	0.0010	0.0038	0.0010	0.0062	0.0010	0.0064	0.0010	0.0058	0.0010	0.0054	0.0010	0.0044
	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	0.42	0.10	0.44	0.10	0.43	0.10	0.47	0.10	0.41	0.10	0.43	0.10	0.39	0.10	0.37	0.10	0.38
	Iron	5.0	0.10	9.5	0.10	38	0.10	12	0.10	33	0.10	9.2	0.10	14	0.10	22	0.10	20	0.10	13
	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	0.050	5.9	0.13	15	0.025	6.2	0.025	13	0.025	3.0	0.013	7.1	0.025	7.8	0.050	8.6	0.013	5.5
	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	0.0077	0.0020	0.0024	0.0020	0.0064	0.0020	0.0052	0.0020	0.0069	0.0020	0.0066	0.0020	0.0055	0.0020	0.0054	0.0020	0.0050
	Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
	Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
	Selenium	0.05	0.0025	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	10	55	10	59	20	68	10	41	20	69	10	54	10	27	10	49	25	95
	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	1,100	10	1,300	10	1,000	10	1,400	10	1,200	10	1,200	10	1,100
	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	0.00078	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	0.00238	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	6.88	NA	7.03	NA	6.60	NA	6.80	NA	6.77	NA	6.62	NA	6.64	NA	6.83	NA	7.08
	Temperature	NA	NA	17.66	NA	22.21	NA	13.34	NA	10.72	NA	16.18	NA	21.90	NA	18.24	NA	16.29	NA	15.35
	Conductivity	NA	NA	1.67	NA	2.18	NA	1.47	NA	1.55	NA	1.47	NA	1.75	NA	1.61	NA	1.66	NA	1.43
	Dissolved Oxygen	NA	NA	1.19	NA	0.75	NA	1.47	NA	1.61	NA	2.26	NA	2.66	NA	2.07	NA	1.26	NA	3.06
	ORP	NA	NA	-109.8	NA	-149.0	NA	-10.8	NA	-87.7	NA	-78.3	NA	-68.0	NA	-78.6	NA	-72.3	NA	-92.4

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
 All values are in mg/L, (ppm) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected

* - Median Value
 * - Deciles instrument read QC exceeds the control limits
 * - MS and/or MSD Recovery outside of limits.

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

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

Parameter	Standards	5/11/2015		8/18/2015		11/18/2015		2/25/2016		5/18/2016		8/17/2016		11/15/2016		2/16/2017		5/2/2017	
		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	0.0024	0.0010	0.0021	0.0010	0.0021	0.0010	0.0015	0.0010	0.0028	0.0010	0.0016	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.10	0.0025	0.992	0.0025	0.14	0.0025	0.093	0.17	0.0025	0.12	0.0025	0.068	0.0025	0.071	0.0025	0.0025	0.12
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	0.74	0.050	1.5	0.050	1.4	0.050	1.8	1.4	0.050	0.86	0.050	1.2	0.050	0.87	0.050	0.050	0.68
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	270	10	250	10	160	10	190	130	10	260	10	300	10	360	10	300	300
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	0.66	0.10	0.34	0.10	0.44	0.10	0.33	0.10	0.33	0.10	0.33	0.10	0.36	0.10	0.32	0.10	0.34
Iron	5.0	0.10	0.12	0.10	0.85	0.10	0.89	0.10	0.23	0.10	1.7	0.10	1.5	0.10	ND	0.10	0.26	0.10	2.4
Lead	0.075	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	0.11	0.0025	0.78	0.0025	0.21	0.0025	0.23	0.0025	0.23	0.0025	0.28	0.0025	0.38	0.0025	0.43	0.0025	0.58
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	0.0040	0.0020	ND	0.0020	0.0038	0.0020	0.0038	0.0020	ND	0.0020	0.0024	0.0020	0.0026	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.19	0.10	0.19	0.10	ND	0.44	0.10	ND	0.10	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	0.19	0.10	0.19	0.10	ND	0.44	0.10	ND	0.10	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	160	50	310	100	530	50	250	100	290	100	360	50	290	50	300	100	350
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	1100	10	1200	10	1200	10	1100	1200	1200	1400	10	1300	10	1400	10	1300	1300
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	0.00081	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	0.00281	0.0025	0.00068	0.0025	0.0015	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.90	NA	7.36	NA	7.61	NA	7.00	NA	7.67	NA	7.33	NA	6.90	NA	7.00	NA	7.30
Temperature	NA	NA	15.81	NA	19.60	NA	14.72	NA	10.91	NA	19.30	NA	22.16	NA	16.05	NA	14.27	NA	14.28
Conductivity	NA	NA	1.55	NA	1.86	NA	1.56	NA	1.32	NA	1.55	NA	1.80	NA	2.01	NA	1.89	NA	1.63
Dissolved Oxygen	NA	NA	2.97	NA	1.03	NA	0.72	NA	1.09	NA	0.41	NA	2.22	NA	1.36	NA	2.26	NA	1.71
ORP	NA	NA	-97.9	NA	-81.8	NA	-30.2	NA	-16.8	NA	-139.2	NA	-96.6	NA	-24.8	NA	-41.8	NA	-110.0

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620.
 Subpart D, 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

°C - 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
 mS/cm
 mg/L
 mV
 milligrams/liter
 multibots

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

Parameter	Standards	5/12/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/17/2016		11/17/2016		2/15/2017		5/3/2017	
		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	0.026	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	0.0025	0.035
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	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	0.050	3.4
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	37	2.0	36	2.0	30	2.0	35	2.0	36	2.0	41	2.0	38	2.0	38	2.0	37
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	0.16	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	0.10	0.13
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	0.086	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	0.0025	0.12
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	9.3	0.10	11	0.10	0.74	0.10	1.0	0.10	5.9	0.10	5.7	0.10	4.4	0.10	5.2	0.10	9.9
Nitrogen/Nitrite	NA	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	1.0	9.9
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	0.014	0.0025	0.010	0.0025	0.0028	0.0025	0.084	0.0025	0.047	0.0025	0.0034	0.0025	0.0035	0.0025	0.063	0.0025	0.011
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	140	50	160	25	130	25	140	25	100	50	130	50	140	50	120	50	180
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	620	10	670	10	410	10	480	10	490	10	760	10	600	10	590	10	690
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	0.00089	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	0.00379	0.0025	0.00663	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.44	NA	7.35	NA	7.15	NA	7.34	NA	7.30	NA	7.32	NA	7.37	NA	6.94	NA	7.48
Temperature	NA	NA	14.26	NA	18.58	NA	16.51	NA	10.02	NA	20.82	NA	22.91	NA	17.20	NA	9.91	NA	13.52
Conductivity	NA	NA	0.79	NA	0.88	NA	0.67	NA	0.55	NA	0.76	NA	0.85	NA	0.70	NA	0.65	NA	0.70
Dissolved Oxygen	NA	NA	2.20	NA	0.68	NA	1.42	NA	1.47	NA	4.29	NA	2.87	NA	4.07	NA	2.52	NA	3.10
ORP	NA	NA	35.5	NA	-22.6	NA	72.9	NA	-37.1	NA	-54.3	NA	-76.3	NA	-40.5	NA	69.1	NA	-74.4

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Sections 620.410 - Groundwater Quality Standards for Class 1 Potable Resource Groundwater. All values are in ug/L (ppm) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 °C - Median Value
 °C - Denotes instrument related QC exceeds the control limits
 FI - MS and/or MSD Recovery outside of limits.
 Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)
 mg/cm³
 milligrams/liter
 millivolts

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

Parameter	Standards	5/14/2015		8/18/2015		11/18/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016		2/15/2017		5/2/2017	
		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	0.0011	0.0010	ND	0.0010	0.0012	0.0010	0.0010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.23	0.0025	0.14	0.0025	0.18	0.0025	0.18	0.0025	0.25	0.0025	0.17	0.0025	0.17	0.0025	0.19	0.0025	0.28
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	0.64	0.050	0.42	0.050	0.40	0.050	0.40	0.050	0.38	0.050	0.35	0.050	0.37	0.050	0.48	0.050	0.49
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	52	2.0	55	2.0	48	2.0	48	2.0	44	2.0	44	2.0	44	2.0	44	2.0	44
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	0.0019	0.0010	0.0013	0.0010	0.0020	0.0010	0.0020	0.0010	0.0020	0.0010	0.0018	0.0010	0.0016	0.0010	0.0018	0.0010	0.0029
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	0.0021	0.0020	0.0022
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	0.21	0.10	0.17	0.10	0.17	0.10	0.17	0.10	0.18	0.10	0.18	0.10	0.17	0.10	0.16	0.10	0.18
Iron	5.0	0.10	0.34	0.10	ND	0.10	0.20	0.10	0.20	0.10	ND	0.10	0.15	0.10	ND	0.10	0.22	0.10	ND
Lead	0.075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00058	0.00050	ND
Manganese	0.15	0.0025	1.7	0.0025	0.94	0.0025	1.6	0.0025	1.6	0.0025	2.3	0.0025	1.4	0.0025	1.3	0.0025	1.1	0.0025	3.3
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	0.0049	0.0020	0.0024	0.0020	0.0046	0.0020	0.0046	0.0020	0.0045	0.0020	0.0034	0.0020	0.0027	0.0020	0.0043	0.0020	0.0065
Nitrogen/Nitrate	10.0	0.10	1.2	0.10	2.8	0.10	3.1	0.10	3.1	0.10	2.2	0.10	1.7	0.10	0.54	0.10	0.20	0.10	0.22
Nitrogen/Nitrate, Nitrite	NA	0.10	1.2	0.20	2.9	0.10	3.2	0.20	3.2	0.50	2.2	0.20	1.8	0.10	0.58	0.10	0.20	0.10	0.22
Nitrogen/Nitrite	NA	0.020	0.032	0.020	0.077	0.020	0.056	0.020	0.056	0.020	0.025	0.020	0.051	0.020	0.043	0.020	0.020	0.020	ND
Perchlorate	0.049	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	0.0050	0.0025	0.0054	0.0025	0.0043	0.0025	0.0043	0.0025	0.0048	0.0025	0.0041	0.0025	0.0032	0.0025	0.0025	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	10	50	20	64	20	88	20	88	20	67	20	59	10	62	10	43	20	44
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	530	10	550	10	540	10	540	10	580	10	600	10	480	10	470	10	640
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	0.00055	0.0025	0.00066	0.0025	0.0011	0.0025	0.0011	0.0025	0.0027	0.0025	0.0027	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
pH	6.5 - 9.0	NA	7.13	NA	7.46	NA	6.71	NA	6.71	NA	6.72	NA	6.69	NA	7.02	NA	6.88	NA	6.93
Temperature	NA	NA	13.91	NA	23.06	NA	7.22	NA	7.22	NA	13.24	NA	17.04	NA	18.18	NA	9.67	NA	12.94
Conductivity	NA	NA	0.70	NA	0.86	NA	0.59	NA	0.59	NA	0.70	NA	0.68	NA	0.64	NA	0.57	NA	0.72
Dissolved Oxygen	NA	NA	0.88	NA	2.21	NA	0.99	NA	0.99	NA	1.62	NA	2.38	NA	2.51	NA	3.56	NA	2.40
ORP	NA	NA	-4.0	NA	-56.8	NA	4.2	NA	4.2	NA	30.6	NA	-76.5	NA	-20.3	NA	-34.4	NA	-73.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620.
 Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Possible Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 °C - Median Value
 °C - Denotes instrument related QC exceeds the control limits
 FI - MS and/or MSD Recovery outside of limits
 °C - Temperature
 mS/cm - Conductivity
 mg/L - Dissolved Oxygen
 mg/L - milligrams/liter
 mV - millivolts
 °C - degrees Celsius
 mS/cm - milligrams/centimeters

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

Parameter	Standards	Date	5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/17/2016		11/17/2016		2/16/2017		5/3/2017	
			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	0.052	0.0010	0.015	0.0010	0.015	0.0010	0.0997	0.011	0.011	0.0010	0.015	0.0010	0.0071	0.0010	0.0077	0.0010	0.0065
Barium	2.0		0.0025	0.16	0.0025	0.15	0.0025	0.15	0.0025	0.17	0.0025	0.21	0.0025	0.14	0.0025	0.19	0.0025	0.17	0.0025	0.21
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	1.3	0.050	2.0	0.050	1.5	0.25	1.8	0.050	1.2	0.050	1.1	0.25	1.0	0.050	1.3	0.050	1.1
Cadmium	0.005		0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0		2.0	65	2.0	60	2.0	60	10	120	10	130	10	83	10	130	10	120	10	160
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	0.0017	0.0010	0.0021	0.0010	0.0021	0.0010	0.0020	0.0010	0.0020	0.0010	0.0018	0.0010	0.0024	0.0010	0.0021	0.0010	0.0024
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	0.79	0.10	0.61	0.10	0.56	0.10	0.53	0.10	0.50	0.10	0.55	0.10	0.45	0.10	0.44	0.10	0.42
Iron	5.0		0.10	4.2	0.10	2.2	0.10	1.5	0.10	1.2	0.10	1.1	0.10	1.8	0.10	0.80	0.10	0.80	0.10	0.88
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		0.050	7.8	0.025	5.9	0.0025	4.1	0.0025	3.6	0.0025	3.9	0.0025	4.2	0.0025	4.0	0.0025	3.7	0.0025	4.1
Mercury	0.002		0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1		0.0020	ND	0.0020	0.0028	0.0020	0.0031	0.0020	0.0045	0.0020	0.0038	0.0020	0.0028	0.0020	0.0040	0.0020	0.0036	0.0020	0.0046
Nitrogen/Nitrate	10.0		0.10	0.52	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Nitrogen/Nitrite	NA		0.10	0.52	0.10	0.20	0.10	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
Nitrogen/Nitrite	NA		0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049		0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05		0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	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		20	130	50	150	50	210	50	260	50	280	50	210	100	390	100	270	100	410
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	710	10	750	10	630	10	890	10	950	10	920	10	1100	10	980	10	1300
Vanadium	0.049		0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0		0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005		0.00050	ND	0.00050	ND	0.00050	0.0013	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	0.00086	0.0025	0.0041	0.0025	0.00058	0.0025	0.0019	0.0025	ND	0.0025	0.00053	0.0025	ND	0.0025	ND
pH	6.5 - 9.0		NA	7.33	NA	7.25	NA	7.06	NA	7.25	NA	7.10	NA	7.08	NA	7.21	NA	6.62	NA	7.36
Temperature	NA		NA	16.31	NA	20.65	NA	13.73	NA	11.18	NA	15.78	NA	24.68	NA	21.29	NA	10.32	NA	14.30
Conductivity	NA		NA	1.17	NA	1.21	NA	0.95	NA	0.96	NA	1.13	NA	1.41	NA	1.32	NA	1.03	NA	1.30
Dissolved Oxygen	NA		NA	1.62	NA	0.57	NA	0.85	NA	1.10	NA	2.65	NA	1.84	NA	2.86	NA	2.00	NA	5.21
ORP	NA		NA	-146.8	NA	-115.3	NA	-40.7	NA	-100.5	NA	-123.5	NA	-115.7	NA	-91.7	NA	-24.3	NA	-98.5

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Sections 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

°C - Median Value
 °C - Density instrument related QC exceeds the control limits
 FI - MS and/or MSD Recovery outside of limits

Temperature Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

mg/L
 mV
 degrees Celsius
 milliequivalents
 milligrams/liter
 millivolt

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

Sample: MW-12	Parameter	Standards	Date		5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/18/2016		11/18/2016		2/16/2017		5/3/2017	
			DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
	Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
	Arsenic	0.010	0.0010	0.0034	0.0010	0.0025	0.0010	0.0033	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0020
	Barium	2.0	0.0025	0.071	0.0025	0.083	0.0025	0.091	0.0025	0.094	0.0025	0.060	0.094	0.0025	0.092	0.0025	0.096	0.0025	0.096	0.0025	0.059	0.074
	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	0.0010	ND
	Boron	2.0	0.050	0.59	0.050	1.5	0.050	0.94	0.050	0.57	0.050	0.57	0.050	0.50	0.050	0.75	0.050	0.81	0.050	0.40	0.050	0.50
	Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Chloride	200.0	10	230	10	220	10	220	10	210	10	210	10	200 F1	10	210	10	180	10	190	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	0.0050	ND
	Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
	Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
	Fluoride	4.0	0.10	0.52	0.10	0.59	0.10	0.58	0.10	0.41	0.10	0.41	0.10	0.48	0.10	0.53	0.10	0.53	0.10	0.42	0.10	0.37
	Iron	5.0	0.10	0.48	0.10	2.2	0.10	0.61	0.10	0.88	0.10	0.88	0.10	1.2	0.10	1.5	0.10	2.2	0.10	0.76	0.10	2.1
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	0.63	0.0025	0.16	0.0025	1.2	0.0025	0.065	0.0025	0.065	0.0025	0.51	0.0025	1.0	0.0025	0.96	0.0025	0.079	0.0025	0.081
	Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	0.0022	0.0020	0.0020	0.0020	0.0023	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0022	0.0020	0.0020
	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	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	0.10	ND
	Nitrogen/Nitrate, Nitrite	NA	0.020	ND	0.020	ND	0.020	0.024	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020
	Perchlorate	0.049	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	0.0040	ND
	Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND F1	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Sulfate	400.0	100	530	100	390	100	750	100	580	100	580	100	570	100	600	100	300	100	550	100	450
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Total Dissolved Solids	1,200	10	1,400	10	1,300	10	1,400	10	1,300	10	1,300	10	1,300	10	1,700	10	1,300	10	1,200	10	1,200
	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	0.0050	ND
	Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	0.0013	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	0.0061	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
	pH	6.5 - 9.0	NA	7.49	NA	7.43	NA	7.12	NA	7.96	NA	7.96	NA	7.28	NA	7.06	NA	7.34	NA	7.54	NA	7.47
	Temperature	NA	NA	18.19	NA	19.48	NA	14.85	NA	9.04	NA	9.04	NA	15.14	NA	24.40	NA	17.01	NA	11.48	NA	14.00
	Conductivity	NA	NA	1.76	NA	1.74	NA	1.59	NA	1.29	NA	1.29	NA	1.55	NA	1.91	NA	1.39	NA	1.34	NA	1.29
	Dissolved Oxygen	NA	NA	1.87	NA	1.13	NA	1.49	NA	1.31	NA	1.31	NA	2.73	NA	2.81	NA	1.51	NA	1.68	NA	3.77
	ORP	NA	NA	-55.7	NA	-109.9	NA	36.6	NA	-134	NA	-134	NA	-91.4	NA	8.9	NA	-110.1	NA	1.9	NA	-74.9

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted
 DL - Detection Limit
 NA - Not Applicable
 ND - Not Detected
 * - Median Value
 † - Denotes instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits
 °C - Temperature
 mg/cm³ - Conductivity
 mg/L - Dissolved Oxygen
 mV - Oxygen Reduction Potential (ORP)
 degrees Celsius - Temperature
 milligrams/centimeter³ - Conductivity
 milligrams/liter - Dissolved Oxygen
 millivolts - Oxygen Reduction Potential

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

Sample: MW-13	Parameter	Standards	5/13/2015		8/19/2015		11/19/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/4/2017		
			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	0.0030	ND	0.0030	0.0030	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	ND
	Arsenic	0.010	0.0010	0.033	0.0010	0.027	0.0010	0.027	0.0010	0.027	0.0010	0.033	0.0010	0.027	0.0010	0.028	0.0050	0.024	0.0010	0.028	0.028
	Barium	2.0	0.0025	0.27	0.0025	0.25	0.0025	0.14	0.0025	0.23	0.0025	0.12	0.0025	0.23	0.0025	0.094	0.013	0.14	0.0025	0.075	0.075
	Beryllium	0.004	0.0010	ND	0.0050	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND	ND
	Boron	2.0	0.50	3.8	0.25	3.6	0.050	3.2	0.50	3.7	0.050	2.9	0.050	3.0	0.50	3.7	0.10	3.0	0.25	3.0	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	0.0010	ND	0.00050	ND	ND
	Chloride	200.0	10	180	10	190	170	170	10	180	10	170	10	180	10	160	10	170	10	170	170
	Chromium	0.1	0.010	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	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	0.0020	ND	0.0010	ND	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	0.0040	ND	0.0020	ND	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	ND
	Fluoride	4.0	0.10	0.39	0.10	0.34	0.10	0.37	0.10	0.38	0.10	0.36	0.10	0.35	0.10	0.34	0.10	0.31	0.10	0.29	0.29
	Iron	5.0	0.10	0.92	0.10	1.0	0.10	0.85	0.10	1.0	0.10	0.88	0.10	1.0	0.10	0.96	0.10	0.67	0.10	2.1	2.1
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND	ND
	Manganese	0.15	0.0025	3.9	0.025	4.7	0.0025	4.3	0.0025	4.5	0.0025	4.4	0.0025	4.9	0.0025	5.0	0.0025	4.5	0.0025	5.2	5.2
	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	ND
	Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0035	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	0.048	0.048
	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	0.25	0.25
	Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.30	0.30
	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	0.047	0.047
	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	ND
	Selenium	0.05	0.0025	0.012	0.0025	0.0066	0.0025	0.0031	0.0025	0.0036	0.0025	0.011	0.0025	0.0043	0.0025	ND	0.0050	ND	0.0025	0.019	0.019
	Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND	ND
	Sulfate	400.0	250	1100	250	1300	1200	1300	500	1300	500	1200	500	1500	500	1700	500	1700	500	1800	1800
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND	ND
	Total Dissolved Solids	1,200	10	2600	10	2500	10	2400	10	2600	10	2800	10	3300	10	3400	10	3500	10	3500	3500
	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	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	0.040	ND	0.020	ND	ND
	Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	0.001	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	ND
	BETX	11.705	0.0025	ND	0.0025	ND	0.0033	0.0033	0.0025	ND	0.0025	0.00069	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	ND
	pH	6.5-9.0	NA	7.99	NA	8.03	7.57	7.67	NA	7.67	NA	7.60	NA	7.53	NA	7.65	NA	7.87	NA	7.82	7.82
	Temperature	NA	NA	16.67	NA	19.27	12.62	9.43	NA	17.47	NA	17.47	NA	25.95	NA	20.32	NA	15.28	NA	11.67	11.67
	Conductivity	NA	NA	2.78	NA	2.91	2.36	2.21	NA	2.81	NA	2.81	NA	3.48	NA	3.12	NA	3.05	NA	2.68	2.68
	Dissolved Oxygen	NA	NA	1.10	NA	1.20	0.96	1.56	NA	1.02	NA	1.02	NA	1.79	NA	1.13	NA	1.76	NA	4.03	4.03
	ORP	NA	NA	-175.5	NA	-153.2	-76.2	-137.5	NA	-147.5	NA	-147.5	NA	-195.8	NA	-81.0	NA	-93.1	NA	-151.5	-151.5

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Sections 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 instrument related QC exceeds the control limits
FI - MS and/or MSD Recovery outside of limits

Temperature
Conductivity
Dissolved Oxygen
Oxygen Reduction Potential (ORP)

degrees Celsius
ms/cm
mg/L
mV

degrees Celsius
milligrams/liter
milliOhm/cm

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

Sample: MW-14	Parameter	Standards	5/13/2015		8/19/2015		11/18/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/14/2017	
			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	0.0020	0.0010	0.0023	0.0010	0.0024	0.0010	0.0027	0.0010	0.0027	0.0010	0.0013	0.0010	0.0010	0.0020	ND	0.0010	0.0012
	Barium	2.0	0.0025	0.042	0.0025	0.053	0.0025	0.050	0.0025	0.050	0.0025	0.050	0.0025	0.055	0.0025	0.065	0.013	0.070	0.0025	0.054
	Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
	Boron	2.0	0.25	1.7	0.050	1.9	0.050	2.3	0.050	2.2	0.050	2.2	0.050	1.5	0.25	1.8	0.10	2.3	0.25	2.5
	Cadmium	0.005	0.00050	0.00056	0.00050	0.00051	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00082	0.0010	ND	0.00050	ND
	Chloride	200.0	10	180	10	160	10	130	10	140	10	140	10	160	10	170	10	190	10	180
	Chromium	0.1	0.010	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	0.0020	ND	0.0010	0.0012
	Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	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	0.98	0.10	1.1	0.10	1.1	0.10	1.0	0.10	1.0	0.10	0.96	0.10	0.96	0.10	0.86	0.10	0.81
	Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.18	0.10	2.0	0.10	3.0
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	0.073	0.0025	0.32	0.0025	0.070	0.0025	0.25	0.0025	0.25	0.0025	0.26	0.0025	0.81	0.0025	1.8	0.0025	1.7
	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	0.0036	0.0020	0.0043	0.0020	0.0035	0.0020	0.0030	0.0020	0.0030	0.0020	0.0029	0.0020	0.0038	0.0040	ND	0.0020	0.0055
	Nitrogen/Nitrate	10.0	0.10	2.4	0.10	ND	0.10	ND	0.10	ND	0.11	0.11	0.10	0.35	0.10	ND	0.10	ND	0.10	0.11
	Nitrogen/Nitrate, Nitrite	NA	0.20	2.4	0.10	ND	0.10	ND	0.10	ND	0.11	0.11	0.10	0.35	0.10	ND	0.10	ND	0.10	0.11
	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	0.042	0.0025	ND	0.0025	0.0035	0.0025	0.0076	0.0025	0.0076	0.0025	0.023	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	250	1200	500	1200	250	730	250	650	250	650	250	1000	250	1200	500	1500	500	1700
	Thallium	0.002	0.0020	0.0044	0.0020	0.0065	0.0020	0.0043	0.0020	0.0028	0.0020	0.0028	0.0020	0.0041	0.0020	0.0048	0.0040	ND	0.0020	0.0028
	Total Dissolved Solids	1,200	13	2700	10	2400	10	1800	10	1800	10	1800	10	2100	10	2900	10	3200	10	3600
	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	0.040	ND	0.020	ND
	Benzene	0.005	0.00050	ND	0.00050	0.0061	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	0.0069	0.0025	0.0061	0.0025	0.0061	0.0025	0.0061	0.0025	0.0069	0.0025	0.0061	0.0025	0.0061	0.0025	0.0061
	pH	6.5 - 9.0	NA	7.04	NA	7.30	NA	7.05	NA	7.03	NA	7.03	NA	6.78	NA	6.80	NA	7.17	NA	7.23
	Temperature	NA	NA	16.35	NA	21.01	NA	10.84	NA	16.54	NA	16.54	NA	22.91	NA	17.82	NA	15.94	NA	12.98
	Conductivity	NA	NA	2.98	NA	2.90	NA	1.81	NA	2.02	NA	2.02	NA	2.53	NA	2.86	NA	3.22	NA	2.85
	Dissolved Oxygen	NA	NA	1.03	NA	1.15	NA	2.50	NA	2.16	NA	2.16	NA	3.44	NA	1.49	NA	3.18	NA	4.79
	ORP	NA	NA	9.8	NA	-30.6	NA	-8.6	NA	-13.5	NA	-13.5	NA	-128.8	NA	5.1	NA	-4.9	NA	-64.1

Notes: Standards obtained from IAC, Title 15 Chapter 1, Part 620, Subpart D, Section 620.110 - 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
 * - Denotes instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits

Temperature °C
 Conductivity µmhos/cm
 Dissolved Oxygen mg/L
 Oxygen Reduction Potential (ORP) mV

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

Parameter	Standards	5/14/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/18/2016		11/17/2016		2/17/2017		5/4/2017	
		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	0.0060	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0024	0.0010	0.0020	0.0032	0.0019	0.0010	0.0019	0.0010	0.0019	0.0010	0.0018	0.0010	0.0011	0.0050	ND	0.0010	0.0031
Barium	2.0	0.0025	0.12	0.0025	0.070	0.083	0.0025	0.059	0.0025	0.078	0.045	0.0025	0.045	0.0025	0.053	0.013	0.048	0.0025	0.042
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0020	ND	0.0010	ND
Boron	2.0	0.25	1.4	0.050	1.9	1.5	2.4	0.050	1.9	0.050	1.9	0.050	1.8	0.25	2.0	0.10	1.6	0.25	1.4
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Chloride	200.0	10	230	10	110	200	110	10	110	10	230	10	170	10	180	10	190 P1	10	170
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	0.0020	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	0.0040	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.47	0.10	0.57	0.52	0.63	0.10	0.52	0.10	0.52	0.10	0.56	0.10	0.53	0.10	0.49	0.10	0.55
Iron	5.0	0.10	0.44	0.10	0.17	1.8	0.11	0.10	0.64	0.10	0.64	0.10	0.81	0.10	0.22	0.10	0.66	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	0.0010	ND	0.00050	ND
Manganese	0.15	0.0025	0.42	0.0025	0.18	1.3	0.0025	0.095	0.0025	0.59	0.52	0.0025	0.52	0.0025	0.19	0.0025	0.43	0.0025	0.67
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	0.010	0.0020	0.0057	0.0082	0.0020	0.0076	0.0020	0.0089	0.0020	0.0055	0.0020	0.0020	0.0063	0.0040	0.0050	0.0020	0.0051
Nitrogen/Nitrate	10.0	0.10	0.10	0.10	0.34	0.10	0.10	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	0.10	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	0.10	0.10	0.10	0.34	0.10	0.10	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17	0.10	0.10	0.10	ND
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.051	0.0025	0.013	0.0080	0.0025	0.042	0.0025	0.015	0.015	0.0025	ND	0.0025	0.017	0.013	ND	0.0025	ND P1
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.0010	ND	0.00050	ND
Sulfate	400.0	250	930	250	640	1500	250	670	1100	500	1100	100	620	130	570	130	610	100	480
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0040	ND	0.0020	ND
Total Dissolved Solids	1,200	10	2500	10	1900	2400	10	1600	2800	10	2800	10	1900	10	1900	10	1700	10	1500
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.040	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	0.00073	0.0025	0.0025	0.00054	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
pH	6.5 - 9.0	NA	7.05	NA	7.07	6.55	NA	6.84	6.83	NA	6.83	NA	6.96	NA	6.91	NA	7.24	NA	7.35
Temperature	NA	NA	15.57	NA	19.19	15.04	NA	11.00	18.10	NA	18.10	NA	23.69	NA	18.29	NA	17.81	NA	14.56
Conductivity	NA	NA	2.67	NA	2.45	2.55	NA	1.73	2.89	NA	2.52	NA	2.52	NA	2.05	NA	2.09	NA	1.74
Dissolved Oxygen	NA	NA	0.83	NA	1.51	0.70	NA	1.36	2.53	NA	1.76	NA	1.76	NA	3.28	NA	2.30	NA	3.87
ORP	NA	NA	-25.7	NA	-29.2	31.9	NA	22.8	-0.2	NA	-60.6	NA	-60.6	NA	-27.3	NA	20.3	NA	-74.4

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620.
 Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
 All values are in mg/L (ppm) unless otherwise noted.
 DL - Detection limit
 NA - Not Applicable
 ND - Not Detected
 * - Median Value
 * - Denotes instrument related QC exceeds the control limits
 P1 - NIS and/or MSD Recovery outside of limits
 °C - degrees Celsius
 nm/cm² - milligrams/cmeters
 mg/L - milligrams/liter
 mV - millivolts
 Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

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

Sample: MW-16	Parameter	Standards	5/12/2015		8/18/2015		11/16/2015		2/24/2016		5/16/2016		8/19/2016		11/16/2016		2/15/2017		5/2/2017	
			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	0.037	0.0025	0.039	0.0025	0.038	0.0025	0.043	0.0025	0.043	0.0025	0.039	0.0025	0.041	0.0025	0.040	0.0025	0.039
	Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
	Boron	2.0	0.050	0.15	0.050	0.25	0.050	0.1	0.050	0.63	0.050	0.23	0.050	0.19	0.050	0.18	0.050	0.17	0.050	0.14
	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	29	2.0	29	2.0	33	2.0	45	2.0	33	2.0	33	2.0	26	2.0	29	2.0	33
	Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
	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	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10	0.10	0.10	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	0.10	ND	0.10	ND
	Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0059	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	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	24	0.10	19	0.10	17	0.10	16	0.10	22	0.10	25	0.10	27	0.10	23	0.10	27
	Nitrogen/Nitrate, Nitrite	NA	2.0	24	2.0	19	1.0	17	1.0	16	2.0	22	2.0	25	2.0	27	2.5	23	2.5	27
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Perchlorate	0.0049	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND	0.0040	ND
	Selenium	0.05	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	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	10	33	20	64	25	57	10	50	10	40	10	43	10	38	10	33	10	43
	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	530	10	540	10	460	10	510	10	530	10	620	10	540	10	520	10	560
	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	0.0011	0.0025	ND	0.0025	0.0018	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.35	NA	7.19	NA	6.78	NA	7.23	NA	7.13	NA	7.09	NA	6.93	NA	6.72	NA	7.14
	Temperature	NA	NA	12.56	NA	19.75	NA	13.05	NA	9.13	NA	14.63	NA	22.11	NA	16.10	NA	9.78	NA	13.99
	Conductivity	NA	NA	0.67	NA	0.80	NA	0.62	NA	0.59	NA	0.68	NA	0.80	NA	0.67	NA	0.61	NA	0.65
	Dissolved Oxygen	NA	NA	7.97	NA	7.43	NA	7.61	NA	7.95	NA	8.26	NA	7.50	NA	6.51	NA	8.00	NA	8.04
	ORP	NA	NA	105.0	NA	-9.1	NA	188.1	NA	43.3	NA	57.0	NA	67.0	NA	17.0	NA	214.2	NA	39.1

Notes: Standards obtained from IAC Title 15, Chapter 1, Part 620, Subpart D, Section 630.10 - 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
 ° - Denotes instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits.

Temperature °C
 Conductivity µm/cm
 Dissolved Oxygen mg/L
 Disinfection Potential (ORP) mV

TestAmerica
LABORATORY SERVICES

TEST REPORT

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: 500-127406-1
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:
5/18/2017 3:25:57 PM

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_62562



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Case Narrative

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

TestAmerica Job ID: 500-127406-1

Job ID: 500-127406-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-127406-1

Comments

No additional comments.

Receipt

The samples were received on 5/2/2017 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 8 coolers at receipt time were 2.3° C, 2.4° C, 2.8° C, 3.0° C, 3.4° C, 3.6° C, 3.8° C and 4.1° C.

GC/MS VOA

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

Metals

Method(s) 6020A: The following samples were diluted at 5X due to the nature of the sample matrix: MW-13 (500-127406-15), MW-14 (500-127406-16) and MW-15 (500-127406-17) . Elevated reporting limits (RLs) are provided.

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

Field Service / Mobile Lab

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

General Chemistry

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

Detection Summary

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-02

Lab Sample ID: 500-127406-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0012		0.0010		mg/L		1	6020A	Dissolved
Barium	0.050		0.0025		mg/L		1	6020A	Dissolved
Boron	0.21		0.050		mg/L		1	6020A	Dissolved
Sulfate	60		25		mg/L		5	9038	Dissolved
Chloride	56		2.0		mg/L		1	9251	Dissolved
Nitrogen, Nitrate	0.78		0.10		mg/L		1	Nitrate by calc	Dissolved
Total Dissolved Solids	500		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.15		0.10		mg/L		1	SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.78		0.10		mg/L		1	SM 4500 NO3 F	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 500-127406-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.057		0.0025		mg/L		1	6020A	Dissolved
Boron	0.24		0.050		mg/L		1	6020A	Dissolved
Sulfate	54		20		mg/L		4	9038	Dissolved
Chloride	55		2.0		mg/L		1	9251	Dissolved
Nitrogen, Nitrate	1.2		0.10		mg/L		1	Nitrate by calc	Dissolved
Total Dissolved Solids	510		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.21		0.10		mg/L		1	SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	1.2		0.10		mg/L		1	SM 4500 NO3 F	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 500-127406-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.029		0.0025		mg/L		1	6020A	Dissolved
Boron	0.55		0.050		mg/L		1	6020A	Dissolved
Selenium	0.0026		0.0025		mg/L		1	6020A	Dissolved
Sulfate	67		25		mg/L		5	9038	Dissolved
Chloride	58		2.0		mg/L		1	9251	Dissolved
Nitrogen, Nitrate	0.38		0.10		mg/L		1	Nitrate by calc	Dissolved
Total Dissolved Solids	540		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.19		0.10		mg/L		1	SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.38		0.10		mg/L		1	SM 4500 NO3 F	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-127406-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.055		0.0025		mg/L		1	6020A	Dissolved
Boron	0.68		0.050		mg/L		1	6020A	Dissolved
Manganese	0.024		0.0025		mg/L		1	6020A	Dissolved
Nickel	0.0022		0.0020		mg/L		1	6020A	Dissolved
Sulfate	180		50		mg/L		10	9038	Dissolved
Chloride	92		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-06

Lab Sample ID: 500-127406-5

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: 500-127406-1

Client Sample ID: MW-06 (Continued)

Lab Sample ID: 500-127406-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.077		0.0025		mg/L		1	6020A	Dissolved
Boron	0.36		0.050		mg/L		1	6020A	Dissolved
Manganese	0.086		0.0025		mg/L		1	6020A	Dissolved
Sulfate	420		100		mg/L		20	9038	Dissolved
Chloride	180		10		mg/L		5	9251	Dissolved
Nitrogen, Nitrate	0.19		0.10		mg/L		1	Nitrate by calc	Dissolved
Total Dissolved Solids	1200		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.31		0.10		mg/L		1	SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.19		0.10		mg/L		1	SM 4500 NO3 F	Dissolved

Client Sample ID: MW-07

Lab Sample ID: 500-127406-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.12		0.0010		mg/L		1	6020A	Dissolved
Barium	0.41		0.0025		mg/L		1	6020A	Dissolved
Boron	0.50		0.050		mg/L		1	6020A	Dissolved
Cobalt	0.0044		0.0010		mg/L		1	6020A	Dissolved
Iron	13		0.10		mg/L		1	6020A	Dissolved
Manganese	5.5		0.013		mg/L		5	6020A	Dissolved
Nickel	0.0050		0.0020		mg/L		1	6020A	Dissolved
Sulfate	95		25		mg/L		5	9038	Dissolved
Chloride	170		10		mg/L		5	9251	Dissolved
Total Dissolved Solids	1100		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.38		0.10		mg/L		1	SM 4500 F C	Dissolved

Client Sample ID: MW-08

Lab Sample ID: 500-127406-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0025		0.0010		mg/L		1	6020A	Dissolved
Barium	0.12		0.0025		mg/L		1	6020A	Dissolved
Boron	0.68		0.050		mg/L		1	6020A	Dissolved
Iron	2.4		0.10		mg/L		1	6020A	Dissolved
Manganese	0.58		0.0025		mg/L		1	6020A	Dissolved
Sulfate	350		100		mg/L		20	9038	Dissolved
Chloride	300		10		mg/L		5	9251	Dissolved
Total Dissolved Solids	1300		10		mg/L		1	SM 2540C	Dissolved
Fluoride	0.34		0.10		mg/L		1	SM 4500 F C	Dissolved

Client Sample ID: MW-10

Lab Sample ID: 500-127406-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.28		0.0025		mg/L		1	6020A	Dissolved
Boron	0.49		0.050		mg/L		1	6020A	Dissolved
Cobalt	0.0029		0.0010		mg/L		1	6020A	Dissolved
Copper	0.0022		0.0020		mg/L		1	6020A	Dissolved
Manganese	3.3		0.0025		mg/L		1	6020A	Dissolved
Nickel	0.0065		0.0020		mg/L		1	6020A	Dissolved
Sulfate	44		20		mg/L		4	9038	Dissolved
Chloride	44		2.0		mg/L		1	9251	Dissolved
Nitrogen, Nitrate	0.22		0.10		mg/L		1	Nitrate by calc	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: 500-127406-1

Client Sample ID: MW-10 (Continued)

Lab Sample ID: 500-127406-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	640		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.18		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.22		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 500-127406-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.039		0.0025		mg/L	1		6020A	Dissolved
Boron	0.14		0.050		mg/L	1		6020A	Dissolved
Sulfate	43		10		mg/L	2		9038	Dissolved
Chloride	33		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	27		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	560		10		mg/L	1		SM 2540C	Dissolved
Nitrogen, Nitrate Nitrite	27		2.5		mg/L	25		SM 4500 NO3 F	Dissolved

Client Sample ID: Duplicate

Lab Sample ID: 500-127406-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.12		0.0010		mg/L	1		6020A	Dissolved
Barium	0.41		0.0025		mg/L	1		6020A	Dissolved
Boron	0.49		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0045		0.0010		mg/L	1		6020A	Dissolved
Iron	13		0.10		mg/L	1		6020A	Dissolved
Manganese	5.4		0.013		mg/L	5		6020A	Dissolved
Nickel	0.0051		0.0020		mg/L	1		6020A	Dissolved
Sulfate	110		25		mg/L	5		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.39		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-01

Lab Sample ID: 500-127406-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.032		0.0025		mg/L	1		6020A	Dissolved
Boron	0.17		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0054		0.0025		mg/L	1		6020A	Dissolved
Sulfate	40		10		mg/L	2		9038	Dissolved
Chloride	58		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	4.6		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	4.6		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-09

Lab Sample ID: 500-127406-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.035		0.0025		mg/L	1		6020A	Dissolved
Boron	3.4		0.050		mg/L	1		6020A	Dissolved
Manganese	0.12		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.011		0.0025		mg/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-09 (Continued)

Lab Sample ID: 500-127406-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	180		50		mg/L	10		9038	Dissolved
Chloride	37		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	9.9		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	690		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.13		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	9.9		1.0		mg/L	10		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 500-127406-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0065		0.0010		mg/L	1		6020A	Dissolved
Barium	0.21		0.0025		mg/L	1		6020A	Dissolved
Boron	1.1		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0024		0.0010		mg/L	1		6020A	Dissolved
Iron	0.88		0.10		mg/L	1		6020A	Dissolved
Manganese	4.1		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0046		0.0020		mg/L	1		6020A	Dissolved
Sulfate	410		100		mg/L	20		9038	Dissolved
Chloride	160		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.42		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-12

Lab Sample ID: 500-127406-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0020		0.0010		mg/L	1		6020A	Dissolved
Barium	0.074		0.0025		mg/L	1		6020A	Dissolved
Boron	0.50		0.050		mg/L	1		6020A	Dissolved
Iron	2.1		0.10		mg/L	1		6020A	Dissolved
Manganese	0.081		0.0025		mg/L	1		6020A	Dissolved
Sulfate	450		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	0.37		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 500-127406-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.028		0.0010		mg/L	1		6020A	Dissolved
Barium	0.075		0.0025		mg/L	1		6020A	Dissolved
Boron	3.0		0.25		mg/L	5		6020A	Dissolved
Iron	2.1		0.10		mg/L	1		6020A	Dissolved
Manganese	5.2		0.025		mg/L	10		6020A	Dissolved
Nickel	0.0048		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.019		0.0025		mg/L	1		6020A	Dissolved
Sulfate	1800		500		mg/L	100		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.25		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	3500		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.29		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: 500-127406-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 500-127406-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen, Nitrite	0.047		0.020		mg/L	1		SM 4500 NO2 B	Dissolved
Nitrogen, Nitrate Nitrite	0.30		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-14

Lab Sample ID: 500-127406-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0012		0.0010		mg/L	1		6020A	Dissolved
Barium	0.054		0.0025		mg/L	1		6020A	Dissolved
Boron	2.5		0.25		mg/L	5		6020A	Dissolved
Cobalt	0.0012		0.0010		mg/L	1		6020A	Dissolved
Iron	3.0		0.10		mg/L	1		6020A	Dissolved
Manganese	1.7		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0055		0.0020		mg/L	1		6020A	Dissolved
Thallium	0.0028		0.0020		mg/L	1		6020A	Dissolved
Sulfate	1700		500		mg/L	100		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.11		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	3600		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.81		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.11		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-15

Lab Sample ID: 500-127406-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0031		0.0010		mg/L	1		6020A	Dissolved
Barium	0.042		0.0025		mg/L	1		6020A	Dissolved
Boron	1.4		0.25		mg/L	5		6020A	Dissolved
Iron	1.4		0.10		mg/L	1		6020A	Dissolved
Manganese	0.67		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0051		0.0020		mg/L	1		6020A	Dissolved
Sulfate	480		100		mg/L	20		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1500		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.55		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-127406-18

No Detections

This Detection Summary does not include radiochemical test results

TestAmerica Chicago

Method Summary

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

TestAmerica Job ID: 500-127406-1

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

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

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

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TestAmerica Chicago

MWG13-15_62570
5/18/2017

Sample Summary

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

TestAmerica Job ID: 500-127406-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-127406-1	MW-02	Water	05/01/17 13:33	05/02/17 09:50
500-127406-2	MW-03	Water	05/01/17 14:15	05/02/17 09:50
500-127406-3	MW-04	Water	05/01/17 15:05	05/02/17 09:50
500-127406-4	MW-05	Water	05/01/17 15:54	05/02/17 09:50
500-127406-5	MW-06	Water	05/02/17 10:57	05/03/17 09:00
500-127406-6	MW-07	Water	05/02/17 11:40	05/03/17 09:00
500-127406-7	MW-08	Water	05/02/17 13:25	05/03/17 09:00
500-127406-8	MW-10	Water	05/02/17 14:48	05/03/17 09:00
500-127406-9	MW-16	Water	05/02/17 16:19	05/03/17 09:00
500-127406-10	Duplicate	Water	05/02/17 00:00	05/03/17 09:00
500-127406-11	MW-01	Water	05/03/17 09:48	05/04/17 10:20
500-127406-12	MW-09	Water	05/03/17 11:24	05/04/17 10:20
500-127406-13	MW-11	Water	05/03/17 13:37	05/04/17 10:20
500-127406-14	MW-12	Water	05/03/17 16:00	05/04/17 10:20
500-127406-15	MW-13	Water	05/04/17 09:38	05/05/17 10:30
500-127406-16	MW-14	Water	05/04/17 11:30	05/05/17 10:30
500-127406-17	MW-15	Water	05/04/17 13:05	05/05/17 10:30
500-127406-18	Trip Blank	Water	05/01/17 00:00	05/05/17 17:30

TestAmerica Chicago

MWG13-15_62571
5/18/2017

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-02

Lab Sample ID: 500-127406-1

Date Collected: 05/01/17 13:33

Matrix: Water

Date Received: 05/02/17 09:50

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			05/13/17 14:39	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 14:39	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 14:39	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		75 - 126		05/13/17 14:39	1
Toluene-d8 (Surr)	107		75 - 120		05/13/17 14:39	1
4-Bromofluorobenzene (Surr)	115		72 - 124		05/13/17 14:39	1
Dibromofluoromethane	91		75 - 120		05/13/17 14:39	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 17:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:11	1
Arsenic	0.0012		0.0010		mg/L		05/10/17 16:27	05/11/17 20:11	1
Barium	0.050		0.0025		mg/L		05/10/17 16:27	05/11/17 20:11	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 16:54	1
Boron	0.21		0.050		mg/L		05/10/17 16:27	05/15/17 16:54	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:11	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:11	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:11	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 16:54	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:11	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:11	1
Manganese	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:11	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:11	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:11	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:11	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:11	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:11	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/11/17 10:10	05/11/17 15:45	1
Sulfate	60		25		mg/L			05/13/17 01:28	5
Chloride	56		2.0		mg/L			05/10/17 00:37	1
Nitrogen, Nitrate	0.78		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	500		10		mg/L			05/08/17 05:18	1
Fluoride	0.15		0.10		mg/L			05/09/17 12:38	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/03/17 17:00	1
Nitrogen, Nitrate Nitrite	0.78		0.10		mg/L			05/17/17 19:02	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-03

Lab Sample ID: 500-127406-2

Date Collected: 05/01/17 14:15

Matrix: Water

Date Received: 05/02/17 09:50

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			05/13/17 15:05	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 15:05	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 15:05	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		75 - 126		05/13/17 15:05	1
Toluene-d8 (Surr)	104		75 - 120		05/13/17 15:05	1
4-Bromofluorobenzene (Surr)	117		72 - 124		05/13/17 15:05	1
Dibromofluoromethane	94		75 - 120		05/13/17 15:05	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:22	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:22	1
Barium	0.057		0.0025		mg/L		05/10/17 16:27	05/11/17 20:22	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 16:58	1
Boron	0.24		0.050		mg/L		05/10/17 16:27	05/15/17 16:58	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:22	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:22	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:22	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 16:58	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:22	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:22	1
Manganese	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:22	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:22	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:22	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:22	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:22	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:22	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:28	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/11/17 10:10	05/11/17 15:46	1
Sulfate	54		20		mg/L			05/13/17 01:29	4
Chloride	55		2.0		mg/L			05/10/17 00:38	1
Nitrogen, Nitrate	1.2		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	510		10		mg/L			05/08/17 05:25	1
Fluoride	0.21		0.10		mg/L			05/09/17 12:41	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/03/17 17:01	1
Nitrogen, Nitrate Nitrite	1.2		0.10		mg/L			05/09/17 00:20	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-04

Lab Sample ID: 500-127406-3

Date Collected: 05/01/17 15:05

Matrix: Water

Date Received: 05/02/17 09:50

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			05/13/17 15:32	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 15:32	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 15:32	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126		05/13/17 15:32	1
Toluene-d8 (Surr)	104		75 - 120		05/13/17 15:32	1
4-Bromofluorobenzene (Surr)	117		72 - 124		05/13/17 15:32	1
Dibromofluoromethane	93		75 - 120		05/13/17 15:32	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:26	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:26	1
Barium	0.029		0.0025		mg/L		05/10/17 16:27	05/11/17 20:26	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:03	1
Boron	0.55		0.050		mg/L		05/10/17 16:27	05/15/17 17:03	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:26	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:26	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:26	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:03	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:26	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:26	1
Manganese	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:26	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:26	1
Selenium	0.0026		0.0025		mg/L		05/10/17 16:27	05/11/17 20:26	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:26	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:26	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:26	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:30	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/11/17 10:10	05/11/17 15:46	1
Sulfate	67		25		mg/L			05/13/17 01:31	5
Chloride	58		2.0		mg/L			05/10/17 00:39	1
Nitrogen, Nitrate	0.38		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	540		10		mg/L			05/08/17 05:31	1
Fluoride	0.19		0.10		mg/L			05/09/17 12:44	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/03/17 17:02	1
Nitrogen, Nitrate Nitrite	0.38		0.10		mg/L			05/09/17 00:22	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-05

Lab Sample ID: 500-127406-4

Date Collected: 05/01/17 15:54

Matrix: Water

Date Received: 05/02/17 09:50

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			05/13/17 15:59	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 15:59	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 15:59	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		75 - 126					05/13/17 15:59	1
Toluene-d8 (Surr)	103		75 - 120					05/13/17 15:59	1
4-Bromofluorobenzene (Surr)	119		72 - 124					05/13/17 15:59	1
Dibromofluoromethane	95		75 - 120					05/13/17 15:59	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:30	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:30	1
Barium	0.055		0.0025		mg/L		05/10/17 16:27	05/11/17 20:30	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:08	1
Boron	0.68		0.050		mg/L		05/10/17 16:27	05/15/17 17:08	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:30	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:30	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:30	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:08	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:30	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:30	1
Manganese	0.024		0.0025		mg/L		05/10/17 16:27	05/11/17 20:30	1
Nickel	0.0022		0.0020		mg/L		05/10/17 16:27	05/11/17 20:30	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:30	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:30	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:30	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:30	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:31	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/11/17 10:10	05/11/17 15:46	1
Sulfate	180		50		mg/L			05/13/17 01:32	10
Chloride	92		10		mg/L			05/10/17 00:40	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	720		10		mg/L			05/08/17 05:33	1
Fluoride	0.27		0.10		mg/L			05/09/17 12:47	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/03/17 17:02	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:24	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-06

Date Collected: 05/02/17 10:57

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-5

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			05/13/17 16:26	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 16:26	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 16:26	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 16:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		75 - 126					05/13/17 16:26	1
Toluene-d8 (Surr)	104		75 - 120					05/13/17 16:26	1
4-Bromofluorobenzene (Surr)	116		72 - 124					05/13/17 16:26	1
Dibromofluoromethane	93		75 - 120					05/13/17 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			05/11/17 19:56	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		05/10/17 16:27	05/11/17 20:34	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:34	1
Barium	0.077		0.0025		mg/L		05/10/17 16:27	05/11/17 20:34	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:12	1
Boron	0.36		0.050		mg/L		05/10/17 16:27	05/15/17 17:12	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:34	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:34	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:34	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:12	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:34	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:34	1
Manganese	0.086		0.0025		mg/L		05/10/17 16:27	05/11/17 20:34	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:34	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:34	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:34	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:34	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:34	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010	F1 F2	0.010		mg/L		05/12/17 15:10	05/12/17 18:15	1
Sulfate	420		100		mg/L			05/13/17 01:36	20
Chloride	180		10		mg/L			05/10/17 00:41	5
Nitrogen, Nitrate	0.19		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1200		10		mg/L			05/08/17 05:36	1
Fluoride	0.31		0.10		mg/L			05/09/17 12:57	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:16	1
Nitrogen, Nitrate Nitrite	0.19		0.10		mg/L			05/09/17 00:31	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-07

Lab Sample ID: 500-127406-6

Date Collected: 05/02/17 11:40

Matrix: Water

Date Received: 05/03/17 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/13/17 16:53	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 16:53	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 16:53	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		75 - 126					05/13/17 16:53	1
Toluene-d8 (Surr)	105		75 - 120					05/13/17 16:53	1
4-Bromofluorobenzene (Surr)	117		72 - 124					05/13/17 16:53	1
Dibromofluoromethane	96		75 - 120					05/13/17 16:53	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 20:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:38	1
Arsenic	0.12		0.0010		mg/L		05/10/17 16:27	05/11/17 20:38	1
Barium	0.41		0.0025		mg/L		05/10/17 16:27	05/11/17 20:38	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:17	1
Boron	0.50		0.050		mg/L		05/10/17 16:27	05/15/17 17:17	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:38	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:38	1
Cobalt	0.0044		0.0010		mg/L		05/10/17 16:27	05/11/17 20:38	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:17	1
Iron	13		0.10		mg/L		05/10/17 16:27	05/11/17 20:38	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:38	1
Manganese	5.5		0.013		mg/L		05/10/17 16:27	05/11/17 20:41	5
Nickel	0.0050		0.0020		mg/L		05/10/17 16:27	05/11/17 20:38	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:38	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:38	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:38	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:38	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:16	1
Sulfate	95		25		mg/L			05/13/17 01:37	5
Chloride	170		10		mg/L			05/10/17 00:42	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1100		10		mg/L			05/08/17 05:38	1
Fluoride	0.38		0.10		mg/L			05/09/17 13:00	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:17	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:33	1

TestAmerica Chicago

MWG13-15_62577
5/18/2017

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-08

Lab Sample ID: 500-127406-7

Date Collected: 05/02/17 13:25

Matrix: Water

Date Received: 05/03/17 09:00

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/13/17 17:19	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 17:19	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 17:19	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126					05/13/17 17:19	1
Toluene-d8 (Surr)	105		75 - 120					05/13/17 17:19	1
4-Bromofluorobenzene (Surr)	118		72 - 124					05/13/17 17:19	1
Dibromofluoromethane	94		75 - 120					05/13/17 17:19	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 20:35	1

Method: 6020A - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:45	1
Arsenic	0.0025		0.0010		mg/L		05/10/17 16:27	05/11/17 20:45	1
Barium	0.12		0.0025		mg/L		05/10/17 16:27	05/11/17 20:45	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:22	1
Boron	0.68		0.050		mg/L		05/10/17 16:27	05/15/17 17:22	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:45	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:45	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:45	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:22	1
Iron	2.4		0.10		mg/L		05/10/17 16:27	05/11/17 20:45	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:45	1
Manganese	0.58		0.0025		mg/L		05/10/17 16:27	05/11/17 20:45	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:45	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:45	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:45	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:45	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:45	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:45	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:39	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:16	1
Sulfate	350		100		mg/L			05/13/17 23:28	20
Chloride	300		10		mg/L			05/10/17 00:45	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1300		10		mg/L			05/08/17 05:41	1
Fluoride	0.34		0.10		mg/L			05/09/17 13:03	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:17	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:39	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-10

Lab Sample ID: 500-127406-8

Date Collected: 05/02/17 14:48

Matrix: Water

Date Received: 05/03/17 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/13/17 17:46	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 17:46	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 17:46	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 17:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126					05/13/17 17:46	1
Toluene-d8 (Surr)	104		75 - 120					05/13/17 17:46	1
4-Bromofluorobenzene (Surr)	115		72 - 124					05/13/17 17:46	1
Dibromofluoromethane	96		75 - 120					05/13/17 17:46	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 20:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:49	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:49	1
Barium	0.28		0.0025		mg/L		05/10/17 16:27	05/11/17 20:49	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:26	1
Boron	0.49		0.050		mg/L		05/10/17 16:27	05/15/17 17:26	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:49	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:49	1
Cobalt	0.0029		0.0010		mg/L		05/10/17 16:27	05/11/17 20:49	1
Copper	0.0022		0.0020		mg/L		05/10/17 16:27	05/15/17 17:26	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:49	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:49	1
Manganese	3.3		0.0025		mg/L		05/10/17 16:27	05/11/17 20:49	1
Nickel	0.0065		0.0020		mg/L		05/10/17 16:27	05/11/17 20:49	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:49	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:49	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:49	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:49	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:17	1
Sulfate	44		20		mg/L			05/13/17 23:29	4
Chloride	44		2.0		mg/L			05/10/17 00:46	1
Nitrogen, Nitrate	0.22		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	640		10		mg/L			05/08/17 05:44	1
Fluoride	0.18		0.10		mg/L			05/09/17 13:06	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:18	1
Nitrogen, Nitrate Nitrite	0.22		0.10		mg/L			05/09/17 00:42	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-16

Date Collected: 05/02/17 16:19

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-9

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			05/13/17 18:13	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 18:13	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 18:13	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126					05/13/17 18:13	1
Toluene-d8 (Surr)	103		75 - 120					05/13/17 18:13	1
4-Bromofluorobenzene (Surr)	118		72 - 124					05/13/17 18:13	1
Dibromofluoromethane	96		75 - 120					05/13/17 18:13	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 21:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:53	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:53	1
Barium	0.039		0.0025		mg/L		05/10/17 16:27	05/11/17 20:53	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:50	1
Boron	0.14		0.050		mg/L		05/10/17 16:27	05/15/17 17:50	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:53	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:53	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 20:53	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:50	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 20:53	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:53	1
Manganese	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:53	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:53	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:53	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:53	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:53	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:53	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:41	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:17	1
Sulfate	43		10		mg/L			05/13/17 23:30	2
Chloride	33		2.0		mg/L			05/10/17 00:47	1
Nitrogen, Nitrate	27		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	560		10		mg/L			05/08/17 05:46	1
Fluoride	<0.10		0.10		mg/L			05/17/17 17:35	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:18	1
Nitrogen, Nitrate Nitrite	27		2.5		mg/L			05/09/17 00:44	25

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: Duplicate

Lab Sample ID: 500-127406-10

Date Collected: 05/02/17 00:00

Matrix: Water

Date Received: 05/03/17 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/13/17 18:40	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 18:40	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 18:40	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 18:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 126					05/13/17 18:40	1
Toluene-d8 (Surr)	104		75 - 120					05/13/17 18:40	1
4-Bromofluorobenzene (Surr)	120		72 - 124					05/13/17 18:40	1
Dibromofluoromethane	97		75 - 120					05/13/17 18:40	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 21:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 20:56	1
Arsenic	0.12		0.0010		mg/L		05/10/17 16:27	05/11/17 20:56	1
Barium	0.41		0.0025		mg/L		05/10/17 16:27	05/11/17 20:56	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:55	1
Boron	0.49		0.050		mg/L		05/10/17 16:27	05/15/17 17:55	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:56	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:56	1
Cobalt	0.0045		0.0010		mg/L		05/10/17 16:27	05/11/17 20:56	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:55	1
Iron	13		0.10		mg/L		05/10/17 16:27	05/11/17 20:56	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:56	1
Manganese	5.4		0.013		mg/L		05/10/17 16:27	05/11/17 21:08	5
Nickel	0.0051		0.0020		mg/L		05/10/17 16:27	05/11/17 20:56	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 20:56	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 20:56	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 20:56	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 20:56	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 20:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:43	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:17	1
Sulfate	110		25		mg/L			05/13/17 23:33	5
Chloride	170		10		mg/L			05/10/17 01:09	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1100		10		mg/L			05/08/17 05:49	1
Fluoride	0.39		0.10		mg/L			05/17/17 17:50	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:19	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:46	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-01

Lab Sample ID: 500-127406-11

Date Collected: 05/03/17 09:48

Matrix: Water

Date Received: 05/04/17 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			05/13/17 19:06	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 19:06	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 19:06	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 19:06	1
Surrogate									
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		75 - 126					05/13/17 19:06	1
Toluene-d8 (Surr)	103		75 - 120					05/13/17 19:06	1
4-Bromofluorobenzene (Surr)	119		72 - 124					05/13/17 19:06	1
Dibromofluoromethane	95		75 - 120					05/13/17 19:06	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 21:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/11/17 21:12	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 21:12	1
Barium	0.032		0.0025		mg/L		05/10/17 16:27	05/11/17 21:12	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 17:59	1
Boron	0.17		0.050		mg/L		05/10/17 16:27	05/15/17 17:59	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:12	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:12	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 21:12	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 17:59	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 21:12	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:12	1
Manganese	0.0054		0.0025		mg/L		05/10/17 16:27	05/11/17 21:12	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:12	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 21:12	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:12	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:12	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:12	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 21:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:44	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:18	1
Sulfate	40		10		mg/L			05/13/17 23:34	2
Chloride	58		2.0		mg/L			05/10/17 00:50	1
Nitrogen, Nitrate	4.6		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	470		10		mg/L			05/08/17 05:51	1
Fluoride	0.16		0.10		mg/L			05/17/17 17:54	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 17:22	1
Nitrogen, Nitrate Nitrite	4.6		0.50		mg/L			05/09/17 00:48	5

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-09

Lab Sample ID: 500-127406-12

Date Collected: 05/03/17 11:24

Matrix: Water

Date Received: 05/04/17 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			05/13/17 19:33	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 19:33	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 19:33	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 19:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 126					05/13/17 19:33	1
Toluene-d8 (Surr)	104		75 - 120					05/13/17 19:33	1
4-Bromofluorobenzene (Surr)	116		72 - 124					05/13/17 19:33	1
Dibromofluoromethane	96		75 - 120					05/13/17 19:33	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 22:12	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		05/10/17 16:27	05/11/17 21:15	1
Arsenic	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 21:15	1
Barium	0.035		0.0025		mg/L		05/10/17 16:27	05/11/17 21:15	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:04	1
Boron	3.4		0.050		mg/L		05/10/17 16:27	05/15/17 18:04	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:15	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:15	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 21:15	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:04	1
Iron	<0.10		0.10		mg/L		05/10/17 16:27	05/11/17 21:15	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:15	1
Manganese	0.12		0.0025		mg/L		05/10/17 16:27	05/11/17 21:15	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:15	1
Selenium	0.011		0.0025		mg/L		05/10/17 16:27	05/11/17 21:15	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:15	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:15	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:15	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 21:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:46	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:19	1
Sulfate	180		50		mg/L			05/13/17 23:35	10
Chloride	37		2.0		mg/L			05/10/17 00:50	1
Nitrogen, Nitrate	9.9		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	690		10		mg/L			05/08/17 05:54	1
Fluoride	0.13		0.10		mg/L			05/17/17 17:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 17:22	1
Nitrogen, Nitrate Nitrite	9.9		1.0		mg/L			05/17/17 19:04	10

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-11

Lab Sample ID: 500-127406-13

Date Collected: 05/03/17 13:37

Matrix: Water

Date Received: 05/04/17 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			05/13/17 20:00	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 20:00	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 20:00	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126		05/13/17 20:00	1
Toluene-d8 (Surr)	105		75 - 120		05/13/17 20:00	1
4-Bromofluorobenzene (Surr)	120		72 - 124		05/13/17 20:00	1
Dibromofluoromethane	98		75 - 120		05/13/17 20:00	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 22:31	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		05/10/17 16:27	05/11/17 21:19	1
Arsenic	0.0065		0.0010		mg/L		05/10/17 16:27	05/11/17 21:19	1
Barium	0.21		0.0025		mg/L		05/10/17 16:27	05/11/17 21:19	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:09	1
Boron	1.1		0.050		mg/L		05/10/17 16:27	05/15/17 18:09	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:19	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:19	1
Cobalt	0.0024		0.0010		mg/L		05/10/17 16:27	05/11/17 21:19	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:09	1
Iron	0.88		0.10		mg/L		05/10/17 16:27	05/11/17 21:19	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:19	1
Manganese	4.1		0.0025		mg/L		05/10/17 16:27	05/11/17 21:19	1
Nickel	0.0046		0.0020		mg/L		05/10/17 16:27	05/11/17 21:19	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 21:19	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:19	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:19	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:19	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 21:19	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:47	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:19	1
Sulfate	410		100		mg/L			05/13/17 23:38	20
Chloride	160		10		mg/L			05/10/17 01:10	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1300		10		mg/L			05/08/17 05:56	1
Fluoride	0.42		0.10		mg/L			05/17/17 18:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 17:23	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:52	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-12

Lab Sample ID: 500-127406-14

Date Collected: 05/03/17 16:00

Matrix: Water

Date Received: 05/04/17 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			05/13/17 20:27	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 20:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 20:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 20:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		75 - 126					05/13/17 20:27	1
Toluene-d8 (Surr)	105		75 - 120					05/13/17 20:27	1
4-Bromofluorobenzene (Surr)	119		72 - 124					05/13/17 20:27	1
Dibromofluoromethane	96		75 - 120					05/13/17 20:27	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/12/17 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		05/10/17 16:27	05/11/17 21:23	1
Arsenic	0.0020		0.0010		mg/L		05/10/17 16:27	05/11/17 21:23	1
Barium	0.074		0.0025		mg/L		05/10/17 16:27	05/11/17 21:23	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:13	1
Boron	0.50		0.050		mg/L		05/10/17 16:27	05/15/17 18:13	1
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:23	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:23	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/11/17 21:23	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:13	1
Iron	2.1		0.10		mg/L		05/10/17 16:27	05/11/17 21:23	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:23	1
Manganese	0.081		0.0025		mg/L		05/10/17 16:27	05/11/17 21:23	1
Nickel	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:23	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/11/17 21:23	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/11/17 21:23	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/11/17 21:23	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/11/17 21:23	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/11/17 21:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:49	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:19	1
Sulfate	450		100		mg/L			05/13/17 23:39	20
Chloride	190		10		mg/L			05/10/17 00:53	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1200		10		mg/L			05/08/17 05:59	1
Fluoride	0.37		0.10		mg/L			05/17/17 18:04	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 17:23	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:55	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-13

Date Collected: 05/04/17 09:38

Date Received: 05/05/17 10:30

Lab Sample ID: 500-127406-15

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			05/13/17 20:54	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 20:54	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 20:54	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 126					05/13/17 20:54	1
Toluene-d8 (Surr)	105		75 - 120					05/13/17 20:54	1
4-Bromofluorobenzene (Surr)	116		72 - 124					05/13/17 20:54	1
Dibromofluoromethane	95		75 - 120					05/13/17 20:54	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/12/17 17:29	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		05/10/17 16:27	05/15/17 18:32	1
Arsenic	0.028		0.0010		mg/L		05/10/17 16:27	05/17/17 12:35	1
Barium	0.075		0.0025		mg/L		05/10/17 16:27	05/15/17 18:32	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:32	1
Boron	3.0		0.25		mg/L		05/10/17 16:27	05/16/17 11:49	5
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:32	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:32	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:32	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:32	1
Iron	2.1		0.10		mg/L		05/10/17 16:27	05/15/17 18:32	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:32	1
Manganese	5.2		0.025		mg/L		05/10/17 16:27	05/17/17 13:11	10
Nickel	0.0048		0.0020		mg/L		05/10/17 16:27	05/15/17 18:32	1
Selenium	0.019		0.0025		mg/L		05/10/17 16:27	05/15/17 14:18	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:32	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:32	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:32	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/15/17 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		05/09/17 11:00	05/10/17 08:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:20	1
Sulfate	1800		500		mg/L			05/13/17 23:40	100
Chloride	170		10		mg/L			05/10/17 00:53	5
Nitrogen, Nitrate	0.25		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	3500		10		mg/L			05/08/17 06:02	1
Fluoride	0.29		0.10		mg/L			05/17/17 18:07	1
Nitrogen, Nitrite	0.047		0.020		mg/L			05/05/17 18:08	1
Nitrogen, Nitrate Nitrite	0.30		0.10		mg/L			05/09/17 00:55	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-14

Lab Sample ID: 500-127406-16

Date Collected: 05/04/17 11:30

Matrix: Water

Date Received: 05/05/17 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			05/13/17 21:20	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 21:20	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 21:20	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 21:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		75 - 126					05/13/17 21:20	1
Toluene-d8 (Surr)	104		75 - 120					05/13/17 21:20	1
4-Bromofluorobenzene (Surr)	119		72 - 124					05/13/17 21:20	1
Dibromofluoromethane	96		75 - 120					05/13/17 21:20	1

Method: 314.0 - Perchlorate (IC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/12/17 17:49	1

Method: 6020A - Metals (ICP/MS) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/15/17 18:37	1
Arsenic	0.0012		0.0010		mg/L		05/10/17 16:27	05/17/17 12:39	1
Barium	0.054		0.0025		mg/L		05/10/17 16:27	05/15/17 18:37	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:37	1
Boron	2.5		0.25		mg/L		05/10/17 16:27	05/16/17 11:53	5
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:37	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:37	1
Cobalt	0.0012		0.0010		mg/L		05/10/17 16:27	05/15/17 18:37	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:37	1
Iron	3.0		0.10		mg/L		05/10/17 16:27	05/15/17 18:37	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:37	1
Manganese	1.7		0.0025		mg/L		05/10/17 16:27	05/15/17 14:21	1
Nickel	0.0055		0.0020		mg/L		05/10/17 16:27	05/15/17 18:37	1
Selenium	<0.0025		0.0025		mg/L		05/10/17 16:27	05/15/17 14:21	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:37	1
Thallium	0.0028		0.0020		mg/L		05/10/17 16:27	05/15/17 18:37	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:37	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/15/17 18:37	1

Method: 7470A - Mercury (CVAA) - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:52	1

General Chemistry - Dissolved									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:20	1
Sulfate	1700		500		mg/L			05/13/17 23:41	100
Chloride	180		10		mg/L			05/10/17 00:54	5
Nitrogen, Nitrate	0.11		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	3600		10		mg/L			05/08/17 06:04	1
Fluoride	0.81		0.10		mg/L			05/17/17 18:17	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/05/17 18:08	1
Nitrogen, Nitrate Nitrite	0.11		0.10		mg/L			05/09/17 00:56	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-15

Lab Sample ID: 500-127406-17

Date Collected: 05/04/17 13:05

Matrix: Water

Date Received: 05/05/17 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			05/13/17 21:47	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 21:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 21:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		75 - 126					05/13/17 21:47	1
Toluene-d8 (Surr)	102		75 - 120					05/13/17 21:47	1
4-Bromofluorobenzene (Surr)	119		72 - 124					05/13/17 21:47	1
Dibromofluoromethane	99		75 - 120					05/13/17 21:47	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			05/12/17 18:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		05/10/17 16:27	05/15/17 18:41	1
Arsenic	0.0031		0.0010		mg/L		05/10/17 16:27	05/17/17 12:43	1
Barium	0.042		0.0025		mg/L		05/10/17 16:27	05/15/17 18:41	1
Beryllium	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:41	1
Boron	1.4		0.25		mg/L		05/10/17 16:27	05/16/17 11:56	5
Cadmium	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:41	1
Chromium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:41	1
Cobalt	<0.0010		0.0010		mg/L		05/10/17 16:27	05/15/17 18:41	1
Copper	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:41	1
Iron	1.4		0.10		mg/L		05/10/17 16:27	05/15/17 18:41	1
Lead	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:41	1
Manganese	0.67		0.0025		mg/L		05/10/17 16:27	05/15/17 14:24	1
Nickel	0.0051		0.0020		mg/L		05/10/17 16:27	05/15/17 18:41	1
Selenium	<0.0025	F1	0.0025		mg/L		05/10/17 16:27	05/15/17 14:24	1
Silver	<0.00050		0.00050		mg/L		05/10/17 16:27	05/15/17 18:41	1
Thallium	<0.0020		0.0020		mg/L		05/10/17 16:27	05/15/17 18:41	1
Vanadium	<0.0050		0.0050		mg/L		05/10/17 16:27	05/15/17 18:41	1
Zinc	<0.020		0.020		mg/L		05/10/17 16:27	05/15/17 18:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:56	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:20	1
Sulfate	480		100		mg/L			05/13/17 23:42	20
Chloride	170		10		mg/L			05/10/17 00:54	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			05/09/17 22:39	1
Total Dissolved Solids	1500		10		mg/L			05/08/17 06:07	1
Fluoride	0.55		0.10		mg/L			05/17/17 18:20	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/05/17 18:09	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/17/17 19:06	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-127406-18

Date Collected: 05/01/17 00:00

Matrix: Water

Date Received: 05/05/17 17:30

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			05/13/17 22:14	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 22:14	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 22:14	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 22:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		75 - 126					05/13/17 22:14	1
Toluene-d8 (Surr)	103		75 - 120					05/13/17 22:14	1
4-Bromofluorobenzene (Surr)	115		72 - 124					05/13/17 22:14	1
Dibromofluoromethane	97		75 - 120					05/13/17 22:14	1

TestAmerica Chicago

MWG13-15_62589
5/18/2017

Definitions/Glossary

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

TestAmerica Job ID: 500-127406-1

Qualifiers

Metals

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

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits
F2	MS/MSD RPD exceeds control limits

Glossary

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

TestAmerica Chicago

MWG13-15_62590
5/18/2017

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

GC/MS VOA

Analysis Batch: 385067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Total/NA	Water	8260B	
500-127406-2	MW-03	Total/NA	Water	8260B	
500-127406-3	MW-04	Total/NA	Water	8260B	
500-127406-4	MW-05	Total/NA	Water	8260B	
500-127406-5	MW-06	Total/NA	Water	8260B	
500-127406-6	MW-07	Total/NA	Water	8260B	
500-127406-7	MW-08	Total/NA	Water	8260B	
500-127406-8	MW-10	Total/NA	Water	8260B	
500-127406-9	MW-16	Total/NA	Water	8260B	
500-127406-10	Duplicate	Total/NA	Water	8260B	
500-127406-11	MW-01	Total/NA	Water	8260B	
500-127406-12	MW-09	Total/NA	Water	8260B	
500-127406-13	MW-11	Total/NA	Water	8260B	
500-127406-14	MW-12	Total/NA	Water	8260B	
500-127406-15	MW-13	Total/NA	Water	8260B	
500-127406-16	MW-14	Total/NA	Water	8260B	
500-127406-17	MW-15	Total/NA	Water	8260B	
500-127406-18	Trip Blank	Total/NA	Water	8260B	
MB 500-385067/5	Method Blank	Total/NA	Water	8260B	
LCS 500-385067/3	Lab Control Sample	Total/NA	Water	8260B	
500-127406-17 MS	MW-15	Total/NA	Water	8260B	
500-127406-17 MSD	MW-15	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 164123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Total/NA	Water	314.0	
500-127406-2	MW-03	Total/NA	Water	314.0	
500-127406-3	MW-04	Total/NA	Water	314.0	
500-127406-4	MW-05	Total/NA	Water	314.0	
500-127406-5	MW-06	Total/NA	Water	314.0	
500-127406-6	MW-07	Total/NA	Water	314.0	
500-127406-7	MW-08	Total/NA	Water	314.0	
500-127406-8	MW-10	Total/NA	Water	314.0	
500-127406-9	MW-16	Total/NA	Water	314.0	
500-127406-10	Duplicate	Total/NA	Water	314.0	
500-127406-11	MW-01	Total/NA	Water	314.0	
500-127406-12	MW-09	Total/NA	Water	314.0	
500-127406-13	MW-11	Total/NA	Water	314.0	
MB 320-164123/5	Method Blank	Total/NA	Water	314.0	
LCS 320-164123/6	Lab Control Sample	Total/NA	Water	314.0	
MRL 320-164123/4	Lab Control Sample	Total/NA	Water	314.0	
500-127406-1 MS	MW-02	Total/NA	Water	314.0	
500-127406-1 MSD	MW-02	Total/NA	Water	314.0	

Analysis Batch: 165021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-14	MW-12	Total/NA	Water	314.0	
500-127406-15	MW-13	Total/NA	Water	314.0	

TestAmerica Chicago

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5/18/2017

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

HPLC/IC (Continued)

Analysis Batch: 165021 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-16	MW-14	Total/NA	Water	314.0	
500-127406-17	MW-15	Total/NA	Water	314.0	
MB 320-165021/5	Method Blank	Total/NA	Water	314.0	
LCS 320-165021/6	Lab Control Sample	Total/NA	Water	314.0	
MRL 320-165021/4	Lab Control Sample	Total/NA	Water	314.0	
500-127406-14 MS	MW-12	Total/NA	Water	314.0	
500-127406-14 MSD	MW-12	Total/NA	Water	314.0	

Metals

Prep Batch: 384370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	7470A	
500-127406-2	MW-03	Dissolved	Water	7470A	
500-127406-3	MW-04	Dissolved	Water	7470A	
500-127406-4	MW-05	Dissolved	Water	7470A	
500-127406-5	MW-06	Dissolved	Water	7470A	
500-127406-6	MW-07	Dissolved	Water	7470A	
500-127406-7	MW-08	Dissolved	Water	7470A	
500-127406-8	MW-10	Dissolved	Water	7470A	
500-127406-9	MW-16	Dissolved	Water	7470A	
500-127406-10	Duplicate	Dissolved	Water	7470A	
500-127406-11	MW-01	Dissolved	Water	7470A	
500-127406-12	MW-09	Dissolved	Water	7470A	
500-127406-13	MW-11	Dissolved	Water	7470A	
500-127406-14	MW-12	Dissolved	Water	7470A	
500-127406-15	MW-13	Dissolved	Water	7470A	
500-127406-16	MW-14	Dissolved	Water	7470A	
500-127406-17	MW-15	Dissolved	Water	7470A	
MB 500-384370/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-384370/13-A	Lab Control Sample	Total/NA	Water	7470A	
500-127406-1 MS	MW-02	Dissolved	Water	7470A	
500-127406-1 MSD	MW-02	Dissolved	Water	7470A	
500-127406-1 DU	MW-02	Dissolved	Water	7470A	

Analysis Batch: 384572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	7470A	384370
500-127406-2	MW-03	Dissolved	Water	7470A	384370
500-127406-3	MW-04	Dissolved	Water	7470A	384370
500-127406-4	MW-05	Dissolved	Water	7470A	384370
500-127406-5	MW-06	Dissolved	Water	7470A	384370
500-127406-6	MW-07	Dissolved	Water	7470A	384370
500-127406-7	MW-08	Dissolved	Water	7470A	384370
500-127406-8	MW-10	Dissolved	Water	7470A	384370
500-127406-9	MW-16	Dissolved	Water	7470A	384370
500-127406-10	Duplicate	Dissolved	Water	7470A	384370
500-127406-11	MW-01	Dissolved	Water	7470A	384370
500-127406-12	MW-09	Dissolved	Water	7470A	384370
500-127406-13	MW-11	Dissolved	Water	7470A	384370

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QC Association Summary

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

TestAmerica Job ID: 500-127406-1

Metals (Continued)

Analysis Batch: 384572 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-14	MW-12	Dissolved	Water	7470A	384370
500-127406-15	MW-13	Dissolved	Water	7470A	384370
500-127406-16	MW-14	Dissolved	Water	7470A	384370
500-127406-17	MW-15	Dissolved	Water	7470A	384370
MB 500-384370/12-A	Method Blank	Total/NA	Water	7470A	384370
LCS 500-384370/13-A	Lab Control Sample	Total/NA	Water	7470A	384370
500-127406-1 MS	MW-02	Dissolved	Water	7470A	384370
500-127406-1 MSD	MW-02	Dissolved	Water	7470A	384370
500-127406-1 DU	MW-02	Dissolved	Water	7470A	384370

Prep Batch: 384643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	Soluble Metals	
500-127406-2	MW-03	Dissolved	Water	Soluble Metals	
500-127406-3	MW-04	Dissolved	Water	Soluble Metals	
500-127406-4	MW-05	Dissolved	Water	Soluble Metals	
500-127406-5	MW-06	Dissolved	Water	Soluble Metals	
500-127406-6	MW-07	Dissolved	Water	Soluble Metals	
500-127406-7	MW-08	Dissolved	Water	Soluble Metals	
500-127406-8	MW-10	Dissolved	Water	Soluble Metals	
500-127406-9	MW-16	Dissolved	Water	Soluble Metals	
500-127406-10	Duplicate	Dissolved	Water	Soluble Metals	
500-127406-11	MW-01	Dissolved	Water	Soluble Metals	
500-127406-12	MW-09	Dissolved	Water	Soluble Metals	
500-127406-13	MW-11	Dissolved	Water	Soluble Metals	
500-127406-14	MW-12	Dissolved	Water	Soluble Metals	
500-127406-15	MW-13	Dissolved	Water	Soluble Metals	
500-127406-16	MW-14	Dissolved	Water	Soluble Metals	
500-127406-17	MW-15	Dissolved	Water	Soluble Metals	
MB 500-384643/1-A	Method Blank	Soluble	Water	Soluble Metals	
LCS 500-384643/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
500-127406-17 MS	MW-15	Dissolved	Water	Soluble Metals	
500-127406-17 MSD	MW-15	Dissolved	Water	Soluble Metals	
500-127406-17 DU	MW-15	Dissolved	Water	Soluble Metals	

Analysis Batch: 384882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	6020A	384643
500-127406-2	MW-03	Dissolved	Water	6020A	384643
500-127406-3	MW-04	Dissolved	Water	6020A	384643
500-127406-4	MW-05	Dissolved	Water	6020A	384643
500-127406-5	MW-06	Dissolved	Water	6020A	384643
500-127406-6	MW-07	Dissolved	Water	6020A	384643
500-127406-6	MW-07	Dissolved	Water	6020A	384643
500-127406-7	MW-08	Dissolved	Water	6020A	384643
500-127406-8	MW-10	Dissolved	Water	6020A	384643
500-127406-9	MW-16	Dissolved	Water	6020A	384643
500-127406-10	Duplicate	Dissolved	Water	6020A	384643
500-127406-10	Duplicate	Dissolved	Water	6020A	384643
500-127406-11	MW-01	Dissolved	Water	6020A	384643
500-127406-12	MW-09	Dissolved	Water	6020A	384643

TestAmerica Chicago

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QC Association Summary

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

TestAmerica Job ID: 500-127406-1

Metals (Continued)

Analysis Batch: 384882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-13	MW-11	Dissolved	Water	6020A	384643
500-127406-14	MW-12	Dissolved	Water	6020A	384643
MB 500-384643/1-A	Method Blank	Soluble	Water	6020A	384643
LCS 500-384643/2-A	Lab Control Sample	Soluble	Water	6020A	384643

Analysis Batch: 385260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	6020A	384643
500-127406-16	MW-14	Dissolved	Water	6020A	384643
500-127406-17	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MS	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MSD	MW-15	Dissolved	Water	6020A	384643
500-127406-17 DU	MW-15	Dissolved	Water	6020A	384643

Analysis Batch: 385338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	6020A	384643
500-127406-2	MW-03	Dissolved	Water	6020A	384643
500-127406-3	MW-04	Dissolved	Water	6020A	384643
500-127406-4	MW-05	Dissolved	Water	6020A	384643
500-127406-5	MW-06	Dissolved	Water	6020A	384643
500-127406-6	MW-07	Dissolved	Water	6020A	384643
500-127406-7	MW-08	Dissolved	Water	6020A	384643
500-127406-8	MW-10	Dissolved	Water	6020A	384643
500-127406-9	MW-16	Dissolved	Water	6020A	384643
500-127406-10	Duplicate	Dissolved	Water	6020A	384643
500-127406-11	MW-01	Dissolved	Water	6020A	384643
500-127406-12	MW-09	Dissolved	Water	6020A	384643
500-127406-13	MW-11	Dissolved	Water	6020A	384643
500-127406-14	MW-12	Dissolved	Water	6020A	384643
500-127406-15	MW-13	Dissolved	Water	6020A	384643
500-127406-16	MW-14	Dissolved	Water	6020A	384643
500-127406-17	MW-15	Dissolved	Water	6020A	384643
MB 500-384643/1-A	Method Blank	Soluble	Water	6020A	384643
LCS 500-384643/2-A	Lab Control Sample	Soluble	Water	6020A	384643
500-127406-17 MS	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MSD	MW-15	Dissolved	Water	6020A	384643
500-127406-17 DU	MW-15	Dissolved	Water	6020A	384643

Analysis Batch: 385388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	6020A	384643
500-127406-16	MW-14	Dissolved	Water	6020A	384643
500-127406-17	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MS	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MSD	MW-15	Dissolved	Water	6020A	384643
500-127406-17 DU	MW-15	Dissolved	Water	6020A	384643

Analysis Batch: 385568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	6020A	384643

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

Metals (Continued)

Analysis Batch: 385568 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-16	MW-14	Dissolved	Water	6020A	384643
500-127406-17	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MS	MW-15	Dissolved	Water	6020A	384643
500-127406-17 MSD	MW-15	Dissolved	Water	6020A	384643
500-127406-17 DU	MW-15	Dissolved	Water	6020A	384643

Analysis Batch: 385609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	6020A	384643

General Chemistry

Analysis Batch: 383525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-127406-2	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-127406-3	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-127406-4	MW-05	Dissolved	Water	SM 4500 NO2 B	
MB 500-383525/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-383525/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 383732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-5	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-127406-6	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-127406-7	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-127406-8	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-127406-9	MW-16	Dissolved	Water	SM 4500 NO2 B	
500-127406-10	Duplicate	Dissolved	Water	SM 4500 NO2 B	
MB 500-383732/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-383732/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 383826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-11	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-127406-12	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-127406-13	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-127406-14	MW-12	Dissolved	Water	SM 4500 NO2 B	
MB 500-383826/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-383826/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 384160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	SM 2540C	
500-127406-2	MW-03	Dissolved	Water	SM 2540C	
500-127406-3	MW-04	Dissolved	Water	SM 2540C	
500-127406-4	MW-05	Dissolved	Water	SM 2540C	
500-127406-5	MW-06	Dissolved	Water	SM 2540C	
500-127406-6	MW-07	Dissolved	Water	SM 2540C	
500-127406-7	MW-08	Dissolved	Water	SM 2540C	

TestAmerica Chicago

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QC Association Summary

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

TestAmerica Job ID: 500-127406-1

General Chemistry (Continued)

Analysis Batch: 384160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-8	MW-10	Dissolved	Water	SM 2540C	
500-127406-9	MW-16	Dissolved	Water	SM 2540C	
500-127406-10	Duplicate	Dissolved	Water	SM 2540C	
500-127406-11	MW-01	Dissolved	Water	SM 2540C	
500-127406-12	MW-09	Dissolved	Water	SM 2540C	
500-127406-13	MW-11	Dissolved	Water	SM 2540C	
500-127406-14	MW-12	Dissolved	Water	SM 2540C	
500-127406-15	MW-13	Dissolved	Water	SM 2540C	
500-127406-16	MW-14	Dissolved	Water	SM 2540C	
500-127406-17	MW-15	Dissolved	Water	SM 2540C	
MB 500-384160/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-384160/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-127406-1 MS	MW-02	Dissolved	Water	SM 2540C	
500-127406-1 DU	MW-02	Dissolved	Water	SM 2540C	
500-127406-2 DU	MW-03	Dissolved	Water	SM 2540C	

Analysis Batch: 384217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	SM 4500 NO2 B	
500-127406-16	MW-14	Dissolved	Water	SM 4500 NO2 B	
500-127406-17	MW-15	Dissolved	Water	SM 4500 NO2 B	
MB 500-384217/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-384217/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 384447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	SM 4500 F C	
500-127406-2	MW-03	Dissolved	Water	SM 4500 F C	
500-127406-3	MW-04	Dissolved	Water	SM 4500 F C	
500-127406-4	MW-05	Dissolved	Water	SM 4500 F C	
500-127406-5	MW-06	Dissolved	Water	SM 4500 F C	
500-127406-6	MW-07	Dissolved	Water	SM 4500 F C	
500-127406-7	MW-08	Dissolved	Water	SM 4500 F C	
500-127406-8	MW-10	Dissolved	Water	SM 4500 F C	
MB 500-384447/3	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-384447/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 384453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-2	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-127406-3	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-127406-4	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-127406-5	MW-06	Dissolved	Water	SM 4500 NO3 F	
500-127406-6	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-127406-7	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-127406-8	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-127406-9	MW-16	Dissolved	Water	SM 4500 NO3 F	
500-127406-10	Duplicate	Dissolved	Water	SM 4500 NO3 F	
500-127406-11	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-127406-13	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-127406-14	MW-12	Dissolved	Water	SM 4500 NO3 F	

TestAmerica Chicago

MWG13-15_62596

5/18/2017

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

General Chemistry (Continued)

Analysis Batch: 384453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-15	MW-13	Dissolved	Water	SM 4500 NO3 F	
500-127406-16	MW-14	Dissolved	Water	SM 4500 NO3 F	
MB 500-384453/13	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-384453/14	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-127406-4 MS	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-127406-4 MSD	MW-05	Dissolved	Water	SM 4500 NO3 F	

Analysis Batch: 384492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	Nitrate by calc	
500-127406-2	MW-03	Dissolved	Water	Nitrate by calc	
500-127406-3	MW-04	Dissolved	Water	Nitrate by calc	
500-127406-4	MW-05	Dissolved	Water	Nitrate by calc	
500-127406-5	MW-06	Dissolved	Water	Nitrate by calc	
500-127406-6	MW-07	Dissolved	Water	Nitrate by calc	
500-127406-7	MW-08	Dissolved	Water	Nitrate by calc	
500-127406-8	MW-10	Dissolved	Water	Nitrate by calc	
500-127406-9	MW-16	Dissolved	Water	Nitrate by calc	
500-127406-10	Duplicate	Dissolved	Water	Nitrate by calc	
500-127406-11	MW-01	Dissolved	Water	Nitrate by calc	
500-127406-12	MW-09	Dissolved	Water	Nitrate by calc	
500-127406-13	MW-11	Dissolved	Water	Nitrate by calc	
500-127406-14	MW-12	Dissolved	Water	Nitrate by calc	
500-127406-15	MW-13	Dissolved	Water	Nitrate by calc	
500-127406-16	MW-14	Dissolved	Water	Nitrate by calc	
500-127406-17	MW-15	Dissolved	Water	Nitrate by calc	

Prep Batch: 384755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	9010B	
500-127406-2	MW-03	Dissolved	Water	9010B	
500-127406-3	MW-04	Dissolved	Water	9010B	
500-127406-4	MW-05	Dissolved	Water	9010B	
MB 500-384755/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-384755/2-A	Lab Control Sample	Total/NA	Water	9010B	

Analysis Batch: 384835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	9251	
500-127406-2	MW-03	Dissolved	Water	9251	
500-127406-3	MW-04	Dissolved	Water	9251	
500-127406-4	MW-05	Dissolved	Water	9251	
500-127406-5	MW-06	Dissolved	Water	9251	
500-127406-6	MW-07	Dissolved	Water	9251	
500-127406-7	MW-08	Dissolved	Water	9251	
500-127406-8	MW-10	Dissolved	Water	9251	
500-127406-9	MW-16	Dissolved	Water	9251	
500-127406-10	Duplicate	Dissolved	Water	9251	
500-127406-11	MW-01	Dissolved	Water	9251	
500-127406-12	MW-09	Dissolved	Water	9251	
500-127406-13	MW-11	Dissolved	Water	9251	

TestAmerica Chicago

MWG13-15_62597
5/18/2017

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

General Chemistry (Continued)

Analysis Batch: 384835 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-14	MW-12	Dissolved	Water	9251	
500-127406-15	MW-13	Dissolved	Water	9251	
500-127406-16	MW-14	Dissolved	Water	9251	
500-127406-17	MW-15	Dissolved	Water	9251	
MB 500-384835/12	Method Blank	Total/NA	Water	9251	
LCS 500-384835/13	Lab Control Sample	Total/NA	Water	9251	
500-127406-9 MS	MW-16	Dissolved	Water	9251	
500-127406-9 MSD	MW-16	Dissolved	Water	9251	

Analysis Batch: 384911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	9014	384755
500-127406-2	MW-03	Dissolved	Water	9014	384755
500-127406-3	MW-04	Dissolved	Water	9014	384755
500-127406-4	MW-05	Dissolved	Water	9014	384755
MB 500-384755/1-A	Method Blank	Total/NA	Water	9014	384755
LCS 500-384755/2-A	Lab Control Sample	Total/NA	Water	9014	384755

Prep Batch: 385012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-5	MW-06	Dissolved	Water	9010B	
500-127406-6	MW-07	Dissolved	Water	9010B	
500-127406-7	MW-08	Dissolved	Water	9010B	
500-127406-8	MW-10	Dissolved	Water	9010B	
500-127406-9	MW-16	Dissolved	Water	9010B	
500-127406-10	Duplicate	Dissolved	Water	9010B	
500-127406-11	MW-01	Dissolved	Water	9010B	
500-127406-12	MW-09	Dissolved	Water	9010B	
500-127406-13	MW-11	Dissolved	Water	9010B	
500-127406-14	MW-12	Dissolved	Water	9010B	
500-127406-15	MW-13	Dissolved	Water	9010B	
500-127406-16	MW-14	Dissolved	Water	9010B	
500-127406-17	MW-15	Dissolved	Water	9010B	
MB 500-385012/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-385012/2-A	Lab Control Sample	Total/NA	Water	9010B	
500-127406-5 MS	MW-06	Dissolved	Water	9010B	
500-127406-5 MSD	MW-06	Dissolved	Water	9010B	

Analysis Batch: 385039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-5	MW-06	Dissolved	Water	9014	385012
500-127406-6	MW-07	Dissolved	Water	9014	385012
500-127406-7	MW-08	Dissolved	Water	9014	385012
500-127406-8	MW-10	Dissolved	Water	9014	385012
500-127406-9	MW-16	Dissolved	Water	9014	385012
500-127406-10	Duplicate	Dissolved	Water	9014	385012
500-127406-11	MW-01	Dissolved	Water	9014	385012
500-127406-12	MW-09	Dissolved	Water	9014	385012
500-127406-13	MW-11	Dissolved	Water	9014	385012
500-127406-14	MW-12	Dissolved	Water	9014	385012
500-127406-15	MW-13	Dissolved	Water	9014	385012

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

General Chemistry (Continued)

Analysis Batch: 385039 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-16	MW-14	Dissolved	Water	9014	385012
500-127406-17	MW-15	Dissolved	Water	9014	385012
MB 500-385012/1-A	Method Blank	Total/NA	Water	9014	385012
LCS 500-385012/2-A	Lab Control Sample	Total/NA	Water	9014	385012
500-127406-5 MS	MW-06	Dissolved	Water	9014	385012
500-127406-5 MSD	MW-06	Dissolved	Water	9014	385012

Analysis Batch: 385049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	9038	
500-127406-2	MW-03	Dissolved	Water	9038	
500-127406-3	MW-04	Dissolved	Water	9038	
500-127406-4	MW-05	Dissolved	Water	9038	
500-127406-5	MW-06	Dissolved	Water	9038	
500-127406-6	MW-07	Dissolved	Water	9038	
MB 500-385049/3	Method Blank	Total/NA	Water	9038	
LCS 500-385049/4	Lab Control Sample	Total/NA	Water	9038	
500-127406-4 MS	MW-05	Dissolved	Water	9038	
500-127406-4 MSD	MW-05	Dissolved	Water	9038	

Analysis Batch: 385077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-7	MW-08	Dissolved	Water	9038	
500-127406-8	MW-10	Dissolved	Water	9038	
500-127406-9	MW-16	Dissolved	Water	9038	
500-127406-10	Duplicate	Dissolved	Water	9038	
500-127406-11	MW-01	Dissolved	Water	9038	
500-127406-12	MW-09	Dissolved	Water	9038	
500-127406-13	MW-11	Dissolved	Water	9038	
500-127406-14	MW-12	Dissolved	Water	9038	
500-127406-15	MW-13	Dissolved	Water	9038	
500-127406-16	MW-14	Dissolved	Water	9038	
500-127406-17	MW-15	Dissolved	Water	9038	
MB 500-385077/3	Method Blank	Total/NA	Water	9038	
LCS 500-385077/4	Lab Control Sample	Total/NA	Water	9038	
500-127406-9 MS	MW-16	Dissolved	Water	9038	
500-127406-9 MSD	MW-16	Dissolved	Water	9038	

Analysis Batch: 385652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-1	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-127406-12	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-127406-17	MW-15	Dissolved	Water	SM 4500 NO3 F	
MB 500-385652/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-385652/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 385715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-9	MW-16	Dissolved	Water	SM 4500 F C	
500-127406-10	Duplicate	Dissolved	Water	SM 4500 F C	
500-127406-11	MW-01	Dissolved	Water	SM 4500 F C	

TestAmerica Chicago

MWG13-15_62599
5/18/2017

QC Association Summary

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

TestAmerica Job ID: 500-127406-1

General Chemistry (Continued)

Analysis Batch: 385715 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-127406-12	MW-09	Dissolved	Water	SM 4500 F C	
500-127406-13	MW-11	Dissolved	Water	SM 4500 F C	
500-127406-14	MW-12	Dissolved	Water	SM 4500 F C	
500-127406-15	MW-13	Dissolved	Water	SM 4500 F C	
500-127406-16	MW-14	Dissolved	Water	SM 4500 F C	
500-127406-17	MW-15	Dissolved	Water	SM 4500 F C	
MB 500-385715/4	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-385715/5	Lab Control Sample	Total/NA	Water	SM 4500 F C	



Surrogate Summary

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

TestAmerica Job ID: 500-127406-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (75-126)	TOL (75-120)	BFB (72-124)	DBFM (75-120)
500-127406-1	MW-02	105	107	115	91
500-127406-2	MW-03	112	104	117	94
500-127406-3	MW-04	108	104	117	93
500-127406-4	MW-05	106	103	119	95
500-127406-5	MW-06	109	104	116	93
500-127406-6	MW-07	108	105	117	96
500-127406-7	MW-08	111	105	118	94
500-127406-8	MW-10	111	104	115	96
500-127406-9	MW-16	113	103	118	96
500-127406-10	Duplicate	114	104	120	97
500-127406-11	MW-01	111	103	119	95
500-127406-12	MW-09	114	104	116	96
500-127406-13	MW-11	113	105	120	98
500-127406-14	MW-12	116	105	119	96
500-127406-15	MW-13	114	105	116	95
500-127406-16	MW-14	114	104	119	96
500-127406-17	MW-15	113	102	119	99
500-127406-17 MS	MW-15	114	103	117	98
500-127406-17 MSD	MW-15	118	102	115	101
500-127406-18	Trip Blank	118	103	115	97
LCS 500-385067/3	Lab Control Sample	109	103	116	96
MB 500-385067/5	Method Blank	115	103	116	96

Surrogate Legend

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



QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: MB 500-385067/5
Matrix: Water
Analysis Batch: 385067

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			05/13/17 14:12	1
Toluene	<0.00050		0.00050		mg/L			05/13/17 14:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			05/13/17 14:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			05/13/17 14:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		75 - 126		05/13/17 14:12	1
Toluene-d8 (Surr)	103		75 - 120		05/13/17 14:12	1
4-Bromofluorobenzene (Surr)	116		72 - 124		05/13/17 14:12	1
Dibromofluoromethane	96		75 - 120		05/13/17 14:12	1

Lab Sample ID: LCS 500-385067/3
Matrix: Water
Analysis Batch: 385067

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0452		mg/L		90	70 - 120
Toluene	0.0500	0.0507		mg/L		101	70 - 125
Ethylbenzene	0.0500	0.0498		mg/L		100	70 - 120
Xylenes, Total	0.100	0.101		mg/L		101	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		75 - 126
Toluene-d8 (Surr)	103		75 - 120
4-Bromofluorobenzene (Surr)	116		72 - 124
Dibromofluoromethane	96		75 - 120

Lab Sample ID: 500-127406-17 MS
Matrix: Water
Analysis Batch: 385067

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0463		mg/L		93	70 - 120
Toluene	<0.00050		0.0500	0.0510		mg/L		102	70 - 125
Ethylbenzene	<0.00050		0.0500	0.0496		mg/L		99	70 - 120
Xylenes, Total	<0.0010		0.100	0.102		mg/L		102	70 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	114		75 - 126
Toluene-d8 (Surr)	103		75 - 120
4-Bromofluorobenzene (Surr)	117		72 - 124
Dibromofluoromethane	98		75 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-17 MSD
Matrix: Water
Analysis Batch: 385067

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Benzene	<0.00050		0.0500	0.0495		mg/L		99	70 - 120	7	20
Toluene	<0.00050		0.0500	0.0535		mg/L		107	70 - 125	5	20
Ethylbenzene	<0.00050		0.0500	0.0530		mg/L		106	70 - 120	7	20
Xylenes, Total	<0.0010		0.100	0.107		mg/L		107	70 - 125	4	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1,2-Dichloroethane-d4 (Surr)	118		75 - 126								
Toluene-d8 (Surr)	102		75 - 120								
4-Bromofluorobenzene (Surr)	115		72 - 124								
Dibromofluoromethane	101		75 - 120								

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-164123/5
Matrix: Water
Analysis Batch: 164123

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perchlorate	<0.0040		0.0040		mg/L			05/11/17 15:44	1

Lab Sample ID: LCS 320-164123/6
Matrix: Water
Analysis Batch: 164123

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Perchlorate	0.0500	0.0511		mg/L		102	85 - 115

Lab Sample ID: MRL 320-164123/4
Matrix: Water
Analysis Batch: 164123

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

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Perchlorate	4.00	4.31		ug/L		108	75 - 125

Lab Sample ID: 500-127406-1 MS
Matrix: Water
Analysis Batch: 164123

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Perchlorate	<0.0040		0.0500	0.0518		mg/L		104	80 - 120

Lab Sample ID: 500-127406-1 MSD
Matrix: Water
Analysis Batch: 164123

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Perchlorate	<0.0040		0.0500	0.0520		mg/L		104	80 - 120	0	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MB 320-165021/5
Matrix: Water
Analysis Batch: 165021

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	Result	Qualifier	0.0040		mg/L			05/12/17 15:52	1

Lab Sample ID: LCS 320-165021/6
Matrix: Water
Analysis Batch: 165021

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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Perchlorate	0.0500	0.0528		mg/L		106	85 - 115

Lab Sample ID: MRL 320-165021/4
Matrix: Water
Analysis Batch: 165021

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

Analyte	Spike	MRL	MRL	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				Limits
Perchlorate	4.00	4.36		ug/L		109	75 - 125

Lab Sample ID: 500-127406-14 MS
Matrix: Water
Analysis Batch: 165021

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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Perchlorate	<0.0040		0.0500	0.0525		mg/L		105	80 - 120

Lab Sample ID: 500-127406-14 MSD
Matrix: Water
Analysis Batch: 165021

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limit
Perchlorate	<0.0040		0.0500	0.0526		mg/L		105	80 - 120	0 / 20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-127406-17 MS
Matrix: Water
Analysis Batch: 385260

Client Sample ID: MW-15
Prep Type: Dissolved
Prep Batch: 384643

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Manganese	0.67		0.500	1.17		mg/L		101	75 - 125
Selenium	<0.0025	F1	0.100	0.137	F1	mg/L		137	75 - 125

Lab Sample ID: 500-127406-17 MS
Matrix: Water
Analysis Batch: 385338

Client Sample ID: MW-15
Prep Type: Dissolved
Prep Batch: 384643

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Antimony	<0.0030		0.500	0.452		mg/L		90	75 - 125
Barium	0.042		0.500	0.564		mg/L		105	75 - 125
Beryllium	<0.0010		0.0500	0.0510		mg/L		102	75 - 125
Cadmium	<0.00050		0.0500	0.0500		mg/L		100	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-17 MS				Client Sample ID: MW-15						
Matrix: Water				Prep Type: Dissolved						
Analysis Batch: 385338				Prep Batch: 384643						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Chromium	<0.0050		0.200	0.205		mg/L		103	75 - 125	
Cobalt	<0.0010		0.500	0.513		mg/L		102	75 - 125	
Copper	<0.0020		0.250	0.258		mg/L		103	75 - 125	
Iron	1.4		1.00	2.22		mg/L		86	75 - 125	
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125	
Nickel	0.0051		0.500	0.513		mg/L		102	75 - 125	
Silver	<0.00050		0.0500	0.0475		mg/L		95	75 - 125	
Thallium	<0.0020		0.100	0.102		mg/L		102	75 - 125	
Vanadium	<0.0050		0.500	0.532		mg/L		106	75 - 125	
Zinc	<0.020		0.500	0.534		mg/L		107	75 - 125	

Lab Sample ID: 500-127406-17 MS				Client Sample ID: MW-15						
Matrix: Water				Prep Type: Dissolved						
Analysis Batch: 385388				Prep Batch: 384643						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Boron	1.4		1.00	2.29		mg/L		91	75 - 125	

Lab Sample ID: 500-127406-17 MS				Client Sample ID: MW-15						
Matrix: Water				Prep Type: Dissolved						
Analysis Batch: 385568				Prep Batch: 384643						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	
Arsenic	0.0031		0.100	0.107		mg/L		104	75 - 125	

Lab Sample ID: 500-127406-17 MSD				Client Sample ID: MW-15							
Matrix: Water				Prep Type: Dissolved							
Analysis Batch: 385260				Prep Batch: 384643							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Manganese	0.67		0.500	1.17		mg/L		101	75 - 125	0	20
Selenium	<0.0025	F1	0.100	0.140	F1	mg/L		140	75 - 125	2	20

Lab Sample ID: 500-127406-17 MSD				Client Sample ID: MW-15							
Matrix: Water				Prep Type: Dissolved							
Analysis Batch: 385338				Prep Batch: 384643							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.448		mg/L		90	75 - 125	1	20
Barium	0.042		0.500	0.560		mg/L		104	75 - 125	1	20
Beryllium	<0.0010		0.0500	0.0505		mg/L		101	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0483		mg/L		97	75 - 125	3	20
Chromium	<0.0050		0.200	0.205		mg/L		102	75 - 125	0	20
Cobalt	<0.0010		0.500	0.511		mg/L		102	75 - 125	0	20
Copper	<0.0020		0.250	0.259		mg/L		103	75 - 125	0	20
Iron	1.4		1.00	2.21		mg/L		85	75 - 125	0	20
Lead	<0.00050		0.100	0.102		mg/L		102	75 - 125	0	20
Nickel	0.0051		0.500	0.513		mg/L		102	75 - 125	0	20
Silver	<0.00050		0.0500	0.0467		mg/L		93	75 - 125	2	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-17 MSD Matrix: Water Analysis Batch: 385338						Client Sample ID: MW-15 Prep Type: Dissolved Prep Batch: 384643					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	<0.0020		0.100	0.103		mg/L		103	75 - 125	0	20
Vanadium	<0.0050		0.500	0.528		mg/L		106	75 - 125	1	20
Zinc	<0.020		0.500	0.534		mg/L		107	75 - 125	0	20

Lab Sample ID: 500-127406-17 MSD Matrix: Water Analysis Batch: 385388						Client Sample ID: MW-15 Prep Type: Dissolved Prep Batch: 384643					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	1.4		1.00	2.34		mg/L		96	75 - 125	2	20

Lab Sample ID: 500-127406-17 MSD Matrix: Water Analysis Batch: 385568						Client Sample ID: MW-15 Prep Type: Dissolved Prep Batch: 384643					
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0031		0.100	0.106		mg/L		103	75 - 125	0	20

Lab Sample ID: 500-127406-17 DU Matrix: Water Analysis Batch: 385260						Client Sample ID: MW-15 Prep Type: Dissolved Prep Batch: 384643				
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Manganese	0.67		0.658		mg/L				1	20
Selenium	<0.0025	F1	<0.0025		mg/L				NC	20

Lab Sample ID: 500-127406-17 DU Matrix: Water Analysis Batch: 385338						Client Sample ID: MW-15 Prep Type: Dissolved Prep Batch: 384643				
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<0.0030		<0.0030		mg/L				NC	20
Barium	0.042		0.0417		mg/L				0.3	20
Beryllium	<0.0010		<0.0010		mg/L				NC	20
Cadmium	<0.00050		<0.00050		mg/L				NC	20
Chromium	<0.0050		<0.0050		mg/L				NC	20
Cobalt	<0.0010		<0.0010		mg/L				NC	20
Copper	<0.0020		<0.0020		mg/L				NC	20
Iron	1.4		1.35		mg/L				0.4	20
Lead	<0.00050		<0.00050		mg/L				NC	20
Nickel	0.0051		0.00481		mg/L				5	20
Silver	<0.00050		<0.00050		mg/L				NC	20
Thallium	<0.0020		<0.0020		mg/L				NC	20
Vanadium	<0.0050		<0.0050		mg/L				NC	20
Zinc	<0.020		<0.020		mg/L				NC	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-17 DU							Client Sample ID: MW-15		
Matrix: Water							Prep Type: Dissolved		
Analysis Batch: 385388							Prep Batch: 384643		
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
Boron	1.4		1.37		mg/L	-	0.6	20	

Lab Sample ID: 500-127406-17 DU							Client Sample ID: MW-15		
Matrix: Water							Prep Type: Dissolved		
Analysis Batch: 385568							Prep Batch: 384643		
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit	
Arsenic	0.0031		0.00309		mg/L	-	0.9	20	

Lab Sample ID: MB 500-384643/1-A							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Soluble			
Analysis Batch: 384882							Prep Batch: 384643			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Antimony	<0.0030		0.0030		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Arsenic	<0.0010		0.0010		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Barium	<0.0025		0.0025		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Cadmium	<0.00050		0.00050		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Chromium	<0.0050		0.0050		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Cobalt	<0.0010		0.0010		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Iron	<0.10		0.10		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Lead	<0.00050		0.00050		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Manganese	<0.0025		0.0025		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Nickel	<0.0020		0.0020		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Selenium	<0.0025		0.0025		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Silver	<0.00050		0.00050		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Thallium	<0.0020		0.0020		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Vanadium	<0.0050		0.0050		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	
Zinc	<0.020		0.020		mg/L	-	05/10/17 16:27	05/11/17 20:03	1	

Lab Sample ID: MB 500-384643/1-A							Client Sample ID: Method Blank			
Matrix: Water							Prep Type: Soluble			
Analysis Batch: 385338							Prep Batch: 384643			
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Beryllium	<0.0010		0.0010		mg/L	-	05/10/17 16:27	05/15/17 16:44	1	
Boron	<0.050		0.050		mg/L	-	05/10/17 16:27	05/15/17 16:44	1	
Copper	<0.0020		0.0020		mg/L	-	05/10/17 16:27	05/15/17 16:44	1	

Lab Sample ID: LCS 500-384643/2-A							Client Sample ID: Lab Control Sample			
Matrix: Water							Prep Type: Soluble			
Analysis Batch: 384882							Prep Batch: 384643			
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits		
Antimony	0.500	0.479		mg/L	-	96	80 - 120			
Arsenic	0.100	0.0944		mg/L	-	94	80 - 120			
Barium	0.500	0.487		mg/L	-	97	80 - 120			
Cadmium	0.0500	0.0504		mg/L	-	101	80 - 120			
Chromium	0.200	0.197		mg/L	-	99	80 - 120			

TestAmerica Chicago

MWG13-15_62607
5/18/2017

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: LCS 500-384643/2-A
Matrix: Water
Analysis Batch: 384882

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 384643
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Cobalt	0.500	0.486		mg/L		97	80 - 120
Iron	1.00	1.01		mg/L		101	80 - 120
Lead	0.100	0.0983		mg/L		98	80 - 120
Manganese	0.500	0.500		mg/L		100	80 - 120
Nickel	0.500	0.496		mg/L		99	80 - 120
Selenium	0.100	0.0959		mg/L		96	80 - 120
Silver	0.0500	0.0496		mg/L		99	80 - 120
Thallium	0.100	0.0989		mg/L		99	80 - 120
Vanadium	0.500	0.485		mg/L		97	80 - 120
Zinc	0.500	0.485		mg/L		97	80 - 120

Lab Sample ID: LCS 500-384643/2-A
Matrix: Water
Analysis Batch: 385338

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 384643
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	1.00	1.02		mg/L		102	80 - 120
Copper	0.250	0.251		mg/L		100	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-384370/12-A
Matrix: Water
Analysis Batch: 384572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384370

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/09/17 11:00	05/10/17 08:10	1

Lab Sample ID: LCS 500-384370/13-A
Matrix: Water
Analysis Batch: 384572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384370
%Rec.

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

Lab Sample ID: 500-127406-1 MS
Matrix: Water
Analysis Batch: 384572

Client Sample ID: MW-02
Prep Type: Dissolved
Prep Batch: 384370
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	<0.00020		0.00100	0.00106		mg/L		106	75 - 125

Lab Sample ID: 500-127406-1 MSD
Matrix: Water
Analysis Batch: 384572

Client Sample ID: MW-02
Prep Type: Dissolved
Prep Batch: 384370
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	<0.00020		0.00100	0.000948		mg/L		95	75 - 125	11	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-1 DU
Matrix: Water
Analysis Batch: 384572

Client Sample ID: MW-02
Prep Type: Dissolved
Prep Batch: 384370

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

Method: 9014 - Cyanide

Lab Sample ID: MB 500-384755/1-A
Matrix: Water
Analysis Batch: 384911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 384755

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cyanide, Total	<0.010		0.010		mg/L		05/11/17 10:10	05/11/17 15:37	1

Lab Sample ID: LCS 500-384755/2-A
Matrix: Water
Analysis Batch: 384911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 384755
%Rec.

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

Lab Sample ID: MB 500-385012/1-A
Matrix: Water
Analysis Batch: 385039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 385012

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Cyanide, Total	<0.010		0.010		mg/L		05/12/17 15:10	05/12/17 18:14	1

Lab Sample ID: LCS 500-385012/2-A
Matrix: Water
Analysis Batch: 385039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 385012
%Rec.

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

Lab Sample ID: 500-127406-5 MS
Matrix: Water
Analysis Batch: 385039

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385012
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	Limits
				Result	Qualifier				
Cyanide, Total	<0.010	F1 F2	0.0400	0.0399		mg/L		100	75 - 125

Lab Sample ID: 500-127406-5 MSD
Matrix: Water
Analysis Batch: 385039

Client Sample ID: MW-06
Prep Type: Dissolved
Prep Batch: 385012
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	Limits	RPD	Limit
				Result	Qualifier						
Cyanide, Total	<0.010	F1 F2	0.0400	0.0240	F1 F2	mg/L		60	75 - 125	50	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-385049/3
Matrix: Water
Analysis Batch: 385049

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/13/17 01:17	1

Lab Sample ID: LCS 500-385049/4
Matrix: Water
Analysis Batch: 385049

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: MB 500-385077/3
Matrix: Water
Analysis Batch: 385077

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			05/13/17 23:26	1

Lab Sample ID: LCS 500-385077/4
Matrix: Water
Analysis Batch: 385077

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	19.9		mg/L		99	80 - 120

Lab Sample ID: 500-127406-4 MS
Matrix: Water
Analysis Batch: 385049

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	180		400	563		mg/L		97	75 - 125

Lab Sample ID: 500-127406-4 MSD
Matrix: Water
Analysis Batch: 385049

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	RPD Limit
Sulfate	180		400	588		mg/L		103	75 - 125	4	20

Lab Sample ID: 500-127406-9 MS
Matrix: Water
Analysis Batch: 385077

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	43		80.0	128		mg/L		106	75 - 125

Lab Sample ID: 500-127406-9 MSD
Matrix: Water
Analysis Batch: 385077

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	43		80.0	121		mg/L		98	75 - 125	5	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

Method: 9251 - Chloride

Lab Sample ID: MB 500-384835/12
Matrix: Water
Analysis Batch: 384835

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			05/10/17 00:35	1

Lab Sample ID: LCS 500-384835/13
Matrix: Water
Analysis Batch: 384835

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	51.1		mg/L		102	80 - 120

Lab Sample ID: 500-127406-9 MS
Matrix: Water
Analysis Batch: 384835

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	33		50.0	77.3		mg/L		89	75 - 125

Lab Sample ID: 500-127406-9 MSD
Matrix: Water
Analysis Batch: 384835

Client Sample ID: MW-16
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	33		50.0	76.7		mg/L		87	75 - 125	1	20

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

Lab Sample ID: MB 500-384160/1
Matrix: Water
Analysis Batch: 384160

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10		mg/L			05/08/17 05:13	1

Lab Sample ID: LCS 500-384160/2
Matrix: Water
Analysis Batch: 384160

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: 500-127406-1 MS
Matrix: Water
Analysis Batch: 384160

Client Sample ID: MW-02
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		122	75 - 125

TestAmerica Chicago

MWG13-15_62611
5/18/2017

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: 500-127406-1 DU
Matrix: Water
Analysis Batch: 384160

Client Sample ID: MW-02
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	500		508		mg/L		0.8	5

Lab Sample ID: 500-127406-2 DU
Matrix: Water
Analysis Batch: 384160

Client Sample ID: MW-03
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	510		498		mg/L		3	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-384447/3
Matrix: Water
Analysis Batch: 384447

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/09/17 12:21	1

Lab Sample ID: LCS 500-384447/4
Matrix: Water
Analysis Batch: 384447

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	10.3		mg/L		103	80 - 120

Lab Sample ID: MB 500-385715/4
Matrix: Water
Analysis Batch: 385715

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.10		0.10		mg/L			05/17/17 17:00	1

Lab Sample ID: LCS 500-385715/5
Matrix: Water
Analysis Batch: 385715

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	10.2		mg/L		102	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-383525/3
Matrix: Water
Analysis Batch: 383525

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/03/17 16:56	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

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

Lab Sample ID: LCS 500-383525/4
Matrix: Water
Analysis Batch: 383525

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

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

Lab Sample ID: MB 500-383732/3
Matrix: Water
Analysis Batch: 383732

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 18:11	1

Lab Sample ID: LCS 500-383732/4
Matrix: Water
Analysis Batch: 383732

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	0.107		mg/L		107	80 - 120

Lab Sample ID: MB 500-383826/3
Matrix: Water
Analysis Batch: 383826

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/04/17 17:21	1

Lab Sample ID: LCS 500-383826/4
Matrix: Water
Analysis Batch: 383826

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	0.100		mg/L		100	80 - 120

Lab Sample ID: MB 500-384217/3
Matrix: Water
Analysis Batch: 384217

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			05/05/17 18:01	1

Lab Sample ID: LCS 500-384217/4
Matrix: Water
Analysis Batch: 384217

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

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-127406-1

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-384453/13
Matrix: Water
Analysis Batch: 384453

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/09/17 00:14	1

Lab Sample ID: LCS 500-384453/14
Matrix: Water
Analysis Batch: 384453

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	0.898		mg/L		90	80 - 120

Lab Sample ID: MB 500-385652/12
Matrix: Water
Analysis Batch: 385652

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			05/17/17 18:58	1

Lab Sample ID: LCS 500-385652/13
Matrix: Water
Analysis Batch: 385652

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	0.879		mg/L		88	80 - 120

Lab Sample ID: 500-127406-4 MS
Matrix: Water
Analysis Batch: 384453

Client Sample ID: MW-05
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	0.994		mg/L		99	75 - 125

Lab Sample ID: 500-127406-4 MSD
Matrix: Water
Analysis Batch: 384453

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	RPD Limit
Nitrogen, Nitrate Nitrite	<0.10		1.00	1.02		mg/L		102	75 - 125	3	20

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-02

Lab Sample ID: 500-127406-1

Date Collected: 05/01/17 13:33

Matrix: Water

Date Received: 05/02/17 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 14:39	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 17:21	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 16:54	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:11	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:22	MJD	TAL CHI
Dissolved	Prep	9010B			384755	05/11/17 10:10	MAN	TAL CHI
Dissolved	Analysis	9014		1	384911		MAN	TAL CHI
					(Start)	05/11/17 15:45		
					(End)	05/11/17 15:46		
Dissolved	Analysis	9038		5	385049		CLB	TAL CHI
					(Start)	05/13/17 01:28		
					(End)	05/13/17 01:29		
Dissolved	Analysis	9251		1	384835	05/10/17 00:37	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:18	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 12:38	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383525		EAT	TAL CHI
					(Start)	05/03/17 17:00		
					(End)	05/03/17 17:00		
Dissolved	Analysis	SM 4500 NO3 F		1	385652	05/17/17 19:02	HMW	TAL CHI

Client Sample ID: MW-03

Lab Sample ID: 500-127406-2

Date Collected: 05/01/17 14:15

Matrix: Water

Date Received: 05/02/17 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 15:05	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 18:19	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 16:58	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:22	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:28	MJD	TAL CHI
Dissolved	Prep	9010B			384755	05/11/17 10:10	MAN	TAL CHI
Dissolved	Analysis	9014		1	384911		MAN	TAL CHI
					(Start)	05/11/17 15:46		
					(End)	05/11/17 15:46		

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-03

Date Collected: 05/01/17 14:15

Date Received: 05/02/17 09:50

Lab Sample ID: 500-127406-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		4	385049	05/13/17 01:29 (Start) 05/13/17 01:31 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00:38	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:25	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 12:41	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383525	05/03/17 17:01 (Start) 05/03/17 17:02 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:20	HMW	TAL CHI

Client Sample ID: MW-04

Date Collected: 05/01/17 15:05

Date Received: 05/02/17 09:50

Lab Sample ID: 500-127406-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 15:32	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 18:38	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:03	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:26	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:30	MJD	TAL CHI
Dissolved	Prep	9010B			384755	05/11/17 10:10	MAN	TAL CHI
Dissolved	Analysis	9014		1	384911	05/11/17 15:46 (Start) 05/11/17 15:46 (End)	MAN	TAL CHI
Dissolved	Analysis	9038		5	385049	05/13/17 01:31 (Start) 05/13/17 01:32 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00:39	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:31	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 12:44	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383525	05/03/17 17:02 (Start) 05/03/17 17:02 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:22	HMW	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-05

Lab Sample ID: 500-127406-4

Date Collected: 05/01/17 15:54

Matrix: Water

Date Received: 05/02/17 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 15:59	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 19:36	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:08	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:30	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:31	MJD	TAL CHI
Dissolved	Prep	9010B			384755	05/11/17 10:10	MAN	TAL CHI
Dissolved	Analysis	9014		1	384911		MAN	TAL CHI
					(Start)	05/11/17 15:46		
					(End)	05/11/17 15:47		
Dissolved	Analysis	9038		10	385049		CLB	TAL CHI
					(Start)	05/13/17 01:32		
					(End)	05/13/17 01:33		
Dissolved	Analysis	9251		5	384835	05/10/17 00:40	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:33	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 12:47	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383525		EAT	TAL CHI
					(Start)	05/03/17 17:02		
					(End)	05/03/17 17:03		
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:24	HMW	TAL CHI

Client Sample ID: MW-06

Lab Sample ID: 500-127406-5

Date Collected: 05/02/17 10:57

Matrix: Water

Date Received: 05/03/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 16:26	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 19:56	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:12	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:34	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:32	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:15		
					(End)	05/12/17 18:15		

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-06

Lab Sample ID: 500-127406-5

Date Collected: 05/02/17 10:57

Matrix: Water

Date Received: 05/03/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		20	385049	05/13/17 01:36 (Start) 05/13/17 01:37 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	384835	05/10/17 00:41	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:36	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 12:57	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732	05/04/17 18:16 (Start) 05/04/17 18:17 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:31	HMW	TAL CHI

Client Sample ID: MW-07

Lab Sample ID: 500-127406-6

Date Collected: 05/02/17 11:40

Matrix: Water

Date Received: 05/03/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 16:53	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 20:15	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:17	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:38	PFK	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		5	384882	05/11/17 20:41	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:34	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039	05/12/17 18:16 (Start) 05/12/17 18:16 (End)	MAN	TAL CHI
Dissolved	Analysis	9038		5	385049	05/13/17 01:37 (Start) 05/13/17 01:38 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	384835	05/10/17 00:42	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:38	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 13:00	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732	05/04/17 18:17 (Start) 05/04/17 18:17 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:33	HMW	TAL CHI

TestAmerica Chicago

MWG13-15_62618

5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-08

Date Collected: 05/02/17 13:25

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 17:19	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 20:35	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:22	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:45	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:39	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:16		
					(End)	05/12/17 18:17		
Dissolved	Analysis	9038		20	385077		CLB	TAL CHI
					(Start)	05/13/17 23:28		
					(End)	05/13/17 23:29		
Dissolved	Analysis	9251		5	384835	05/10/17 00:45	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:41	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 13:03	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732		EAT	TAL CHI
					(Start)	05/04/17 18:17		
					(End)	05/04/17 18:18		
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:39	HMW	TAL CHI

Client Sample ID: MW-10

Date Collected: 05/02/17 14:48

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 17:46	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 20:54	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:26	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:49	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:40	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:17		
					(End)	05/12/17 18:17		

TestAmerica Chicago

MWG13-15_62619
5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-10

Date Collected: 05/02/17 14:48

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		4	385077	05/13/17 23:29 (Start) 05/13/17 23:30 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00:46	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:44	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	384447	05/09/17 13:06	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732	05/04/17 18:18 (Start) 05/04/17 18:18 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:42	HMW	TAL CHI

Client Sample ID: MW-16

Date Collected: 05/02/17 16:19

Date Received: 05/03/17 09:00

Lab Sample ID: 500-127406-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 18:13	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 21:13	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17:50	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20:53	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:41	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039	05/12/17 18:17 (Start) 05/12/17 18:17 (End)	MAN	TAL CHI
Dissolved	Analysis	9038		2	385077	05/13/17 23:30 (Start) 05/13/17 23:31 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00:47	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:46	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 17:35	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732	05/04/17 18:18 (Start) 05/04/17 18:19 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		25	384453	05/09/17 00:44	HMW	TAL CHI

TestAmerica Chicago

MWG13-15_62620
5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: Duplicate

Lab Sample ID: 500-127406-10

Date Collected: 05/02/17 00:00

Matrix: Water

Date Received: 05/03/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 18 40	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 21 33	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17 55	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 20 56	PFK	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		5	384882	05/11/17 21 08	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11 00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08 43	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18 17		
					(End)	05/12/17 18 18		
Dissolved	Analysis	9038		5	385077		CLB	TAL CHI
					(Start)	05/13/17 23 33		
					(End)	05/13/17 23 34		
Dissolved	Analysis	9251		5	384835	05/10/17 01 09	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22 39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05 49	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 17 50	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383732		EAT	TAL CHI
					(Start)	05/04/17 18 19		
					(End)	05/04/17 18 19		
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:46	HMW	TAL CHI

12

Client Sample ID: MW-01

Lab Sample ID: 500-127406-11

Date Collected: 05/03/17 09:48

Matrix: Water

Date Received: 05/04/17 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 19:06	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 21 52	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 17 59	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 21 12	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11 00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08 44	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15 10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18 18		
					(End)	05/12/17 18 19		

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-01

Date Collected: 05/03/17 09:48

Date Received: 05/04/17 10:20

Lab Sample ID: 500-127406-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		2	385077	05/13/17 23 34 (Start) 05/13/17 23 35 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00 50	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22 39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05 51	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 17 54	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383826	05/04/17 17 22 (Start) 05/04/17 17 22 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		5	384453	05/09/17 00 48	HMW	TAL CHI

Client Sample ID: MW-09

Date Collected: 05/03/17 11:24

Date Received: 05/04/17 10:20

Lab Sample ID: 500-127406-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 19 33	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 22 12	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18 04	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16 27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 21 15	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11 00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08 46	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15 10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039	05/12/17 18 19 (Start) 05/12/17 18 19 (End)	MAN	TAL CHI
Dissolved	Analysis	9038		10	385077	05/13/17 23 35 (Start) 05/13/17 23 36 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		1	384835	05/10/17 00 50	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22 39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05 54	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 17 58	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383826	05/04/17 17 22 (Start) 05/04/17 17 23 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		10	385652	05/17/17 19 04	HMW	TAL CHI

TestAmerica Chicago

MWG13-15_62622

5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-11

Lab Sample ID: 500-127406-13

Date Collected: 05/03/17 13:37

Matrix: Water

Date Received: 05/04/17 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 20:00	TCT	TAL CHI
Total/NA	Analysis	314.0		1	164123	05/11/17 22:31	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18:09	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 21:19	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:47	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:19		
					(End)	05/12/17 18:19		
Dissolved	Analysis	9038		20	385077		CLB	TAL CHI
					(Start)	05/13/17 23:38		
					(End)	05/13/17 23:39		
Dissolved	Analysis	9251		5	384835	05/10/17 01:10	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:56	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 18:01	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383826		EAT	TAL CHI
					(Start)	05/04/17 17:23		
					(End)	05/04/17 17:23		
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:52	HMW	TAL CHI

Client Sample ID: MW-12

Lab Sample ID: 500-127406-14

Date Collected: 05/03/17 16:00

Matrix: Water

Date Received: 05/04/17 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 20:27	TCT	TAL CHI
Total/NA	Analysis	314.0		1	165021	05/12/17 16:31	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18:13	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	384882	05/11/17 21:23	PFK	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:49	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:19		
					(End)	05/12/17 18:20		

TestAmerica Chicago

MWG13-15_62623
5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-12

Date Collected: 05/03/17 16:00

Date Received: 05/04/17 10:20

Lab Sample ID: 500-127406-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		20	385077	05/13/17 23:39 (Start) 05/13/17 23:40 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	384835	05/10/17 00:53	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 05:59	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 18:04	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	383826	05/04/17 17:23 (Start) 05/04/17 17:24 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:55	HMW	TAL CHI

Client Sample ID: MW-13

Date Collected: 05/04/17 09:38

Date Received: 05/05/17 10:30

Lab Sample ID: 500-127406-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 20:54	TCT	TAL CHI
Total/NA	Analysis	314.0		1	165021	05/12/17 17:29	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385260	05/15/17 14:18	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18:32	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		10	385609	05/17/17 13:11	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		5	385388	05/16/17 11:49	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385568	05/17/17 12:35	FXG	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:50	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039	05/12/17 18:20 (Start) 05/12/17 18:20 (End)	MAN	TAL CHI
Dissolved	Analysis	9038		100	385077	05/13/17 23:40 (Start) 05/13/17 23:41 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	384835	05/10/17 00:53	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 06:02	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 18:07	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_62624

5/18/2017

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-13

Lab Sample ID: 500-127406-15

Date Collected: 05/04/17 09:38

Matrix: Water

Date Received: 05/05/17 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	384217	05/05/17 18:08 (Start) (End) 05/05/17 18:08	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:55	HMW	TAL CHI

Client Sample ID: MW-14

Lab Sample ID: 500-127406-16

Date Collected: 05/04/17 11:30

Matrix: Water

Date Received: 05/05/17 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 21:20	TCT	TAL CHI
Total/NA	Analysis	314.0		1	165021	05/12/17 17:49	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385260	05/15/17 14:21	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18:37	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		5	385388	05/16/17 11:53	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385568	05/17/17 12:39	FXG	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:52	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039	05/12/17 18:20 (Start) (End) 05/12/17 18:20	MAN	TAL CHI
Dissolved	Analysis	9038		100	385077	05/13/17 23:41 (Start) (End) 05/13/17 23:42	CLB	TAL CHI
Dissolved	Analysis	9251		5	384835	05/10/17 00:54	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 06:04	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 18:17	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	384217	05/05/17 18:08 (Start) (End) 05/05/17 18:09	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	384453	05/09/17 00:56	HMW	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-127406-1

Client Sample ID: MW-15

Lab Sample ID: 500-127406-17

Date Collected: 05/04/17 13:05

Matrix: Water

Date Received: 05/05/17 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 21:47	TCT	TAL CHI
Total/NA	Analysis	314.0		1	165021	05/12/17 18:08	JMD	TAL SAC
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385260	05/15/17 14:24	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385338	05/15/17 18:41	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		5	385388	05/16/17 11:56	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			384643	05/10/17 16:27	FXG	TAL CHI
Dissolved	Analysis	6020A		1	385568	05/17/17 12:43	FXG	TAL CHI
Dissolved	Prep	7470A			384370	05/09/17 11:00	MJD	TAL CHI
Dissolved	Analysis	7470A		1	384572	05/10/17 08:56	MJD	TAL CHI
Dissolved	Prep	9010B			385012	05/12/17 15:10	EAT	TAL CHI
Dissolved	Analysis	9014		1	385039		MAN	TAL CHI
					(Start)	05/12/17 18:20		
					(End)	05/12/17 18:21		
Dissolved	Analysis	9038		20	385077		CLB	TAL CHI
					(Start)	05/13/17 23:42		
					(End)	05/13/17 23:43		
Dissolved	Analysis	9251		5	384835	05/10/17 00:54	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	384492	05/09/17 22:39	HMW	TAL CHI
Dissolved	Analysis	SM 2540C		1	384160	05/08/17 06:07	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	385715	05/17/17 18:20	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	384217		EAT	TAL CHI
					(Start)	05/05/17 18:09		
					(End)	05/05/17 18:09		
Dissolved	Analysis	SM 4500 NO3 F		1	385652	05/17/17 19:06	HMW	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-127406-18

Date Collected: 05/01/17 00:00

Matrix: Water

Date Received: 05/05/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	385067	05/13/17 22:14	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

Accreditation/Certification Summary

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

TestAmerica Job ID: 500-127406-1

Laboratory: TestAmerica Chicago

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

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

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Identification Number	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	06-17-18
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	01-29-18
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 Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-17
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-28-18
Pennsylvania	NELAP	3	68-01272	03-31-18
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	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-29-17 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60484
 708-634-6200
 Fax: 708-634-6211

Report To: Rich Gnat
 Contact: KPRG & Associates Inc.
 Company: 14888 W. Lisbon Rd. Suite 2B
 Address: Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

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

Lab Lot # 500-127406
 Package Sealed Yes (No)
 Recd on ice Yes (No)
 Temperature °C of Cooler 2.8 → 3.0
 Samples Sealed Yes (No)
 Samples Intact Yes (No) N/A

Sampler Name:	Client Project #	Refrig #	Volume	Preserv.	Matrix	# of Cont.	Additional Analyses / Remarks
Ian John Howison	12313.1						
Project Name: Powerlon Station Ash Ponds	TestAmerica Project Number: 50008027						
Project Location: Pekin, IL	Data Required: _____						
Lab PII: Eric Lang	Herd Copy: _____						
Laboratory ID	Client Sample ID	Sampling Date Time	Matrix	Volume	Preserv.	# of Cont.	Additional Analyses / Remarks
1	MW-02	5-17 13:33	W	1	X		
2	MW-03	5-17 14:15	W	1	X		
3	MW-04	5-17 15:05	W	1	X		
4	MW-05	5-17 15:54	W	1	X		
			W				
			W				
			W				
			W				
			W				
			W				
			W				
			W				
			W				
			W				

RELINQUISHED BY: *[Signature]* COMPANY: KPRG DATE: 5-17-17 TIME: 17:20
 RECEIVED BY: *[Signature]* COMPANY: FEDEX DATE: 05/02/17 TIME: 0950

Comments: 500-127406 COC

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

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

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

RECEIVED BY: *[Signature]* COMPANY: VA DATE: 05/02/17 TIME: 0950

Date Received: 05/02/17
 Courier: FX
 Hand Delivered:

BRI of Labeling: _____
 PAGE: 1 of 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Chicago

2417 Bond St.
University Park, IL 60464
708-634-8200
Fax: 708-634-0211

Report To: Rich Ginet
Contact: KPRG & Associates Inc.
Company: 14885 W. Lisbon Rd. Suite 2B
Address: Brookfield, WI
Phone: 262-781-0475
Fax:
Email:

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

Lab Lot # 500-127406
Package Sealed Yes No
Received on Ice Yes No N/A
Temperature °C of Cooler 2.1 → 2.3

Sampler Name: Ian John Howatson	Client Project # 12313.1	Refilling # # / Cont.	Preserv. Indicated Yes No N/A	Additional Analytes / Remarks	Matrix		Matrix # of Cont.
					Volume	Preserv.	
Project Name: Powerton Station Ash Ponds	TestAmerica Project Number: 50008027	Client Sample ID	Sampling Date Time	Matrix	Volume	Preserv.	Matrix # of Cont.
Project Location: Pekin, IL	Data Required						
Lab Pile: Eric Lang	Hard Copy: / /						
Laboratory ID							
5	MW-06	5-2-17	10:57	W	1	X	NO2 dissolved
6	MW-07	5-2-17	11:40	W	1	X	
7	MW-08	5-2-17	13:25	W	1	X	
8	MW-10	5-2-17	14:48	W	1	X	
9	MW-16	5-2-17	16:19	W	1	X	
10	DUPLICATE	5-2-17		W	1	X	

RELINQUISHED BY: *JSH* COMPANY: KPRG DATE: 5-2-17 TIME: 18:30 RECEIVED BY: FEDEX COMPANY: TA DATE: 05/03/17 TIME: 0900
RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME:

Matrix Key
SE = Sediment
SO = Solid
DL = Drum Liquid
DS = Drum Solid
L = Leachate
W = Wipe
O = Air

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. W/leamouth 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: *Sample*
Date Received: 05/03/17
Courier: FX
Held Delivered:
Bill of Lading: 1 of 1

500-127406 COC

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: 14666 W. Lisbon Rd. Suite 2B
Brookfield, WI
Phone: 262-781-0475
Fax:
Email:

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

Lab Lot # 500-127400
Package Sealed Yes No Samples Sealed Yes No
Received on ice Yes No Samples intact Yes No
Temperature °C of Cooler 09 → 24

Sampler Name:	Client Project #	Refrig #	Refrigerant	Volume	Preserv.	Preserv. Indicated
Jan John Howleson	12313.1					
Project Name: Powerlon Station Ash Ponds	TestAmerica Project Number: 60008027					
Project Location: Pekin, IL	Date Required					
Lab PM: Eric Lang	Hard Copy: / /					
Laboratory ID	Client Sample ID	Sampling Date	Time	W		
11	MW-01	5-3-17	0945	W	1	
12	MW-09	5-3-17	1124	W	1	
13	MW-11	5-3-17	1337	W	1	
14	MW-12	5-3-17	1600	W	1	
				W		
				W		
				W		
				W		
				W		
				W		
				W		
				W		
				W		



500-127406 COC

RELINQUISHED BY: ESH COMPANY: KPRG DATE: 5-3-17 TIME: 8:00
 RECEIVED BY: Rich Gnat COMPANY: TestAmerica DATE: 05/11/17 TIME: 1020

RECEIVED BY: Foxex COMPANY: TestAmerica DATE: 05/11/17 TIME: 1020

RECEIVED BY: John Sanders COMPANY: TestAmerica DATE: 05/11/17 TIME: 1020

Matrix Key:
 WW = Wastewater SE = Sediment
 W = Water SO = Solid
 S = Soil DL = Drum Liquid
 SL = Sludge DG = Drum Solid
 MS = Miscellaneous L = Leachate
 CL = Oil W = Wipe
 A = Air O =

Container Key:
 1. Plastic
 2. VOA Vial
 3. Sterile Plastic
 4. Amber Glass
 5. Wilemouth Glases
 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: 05/11/17
 Counter:
 Hand Delivered
 Bill of Lading: FXSID
 PAGE 1 of 1

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago

2417 Bond St.

University Park, IL 60484

708-534-5200

Fax 708-534-8211

Report To:

Contact: Rich Grist

Company: KPRG & Associates Inc.

Address: 14688 W. Lisbon Rd. Suite 2B
Brookfield, WI

Phone: 262-781-0475

Fax:

Email:

Bill To:

Contact:

Company:

Address:

Phone:

Fax:

PO #:

Lab Lot # 500-127406

Package Sealed Yes No

Received on ice Yes No

Temperature °C of Cooler 3.7 → 33.8

Within Hold Time Yes No

pH Check OK Yes No

Res CL₂ Check OK Yes No

Sample Labels and COC Agree Yes No

COC not present Yes No

Additional Analyses / Remarks

500-127408 COC

Ref #

/ Cont.

Volume Preserv.

of Cont

Notes

NO₂ dissolved

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

1 X

RECEIVED BY: *ESH* COMPANY: KPRG DATE: 5-4-17 TIME: 17:45

RECEIVED BY: *John Savelle* COMPANY: TAMM DATE: 05/05/17 TIME: 1030

RECEIVED BY: *FEDEx* COMPANY: DATE: TIME:

RECEIVED BY: *John Savelle* COMPANY: TAMM DATE: 05/05/17 TIME: 1030

COMMENTS:

Date Received Counter: 05/15/17

Hand Delivered

Bill of Lading: *FX STD*

PAGE 1 of 1

STL-8208 (0600)

Metric Key

SE = Sediment

SO = Solid

DL = Drum Liquid

BG = Drum Solid

L = Leachate

W = Wipes

O =

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

Container Key

1. Plastic

2. VOA Vial

3. Sterile Plastic

4. Amber Glass

5. Widemouth Glass

6. Other

7. None

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
2417 Bond St.
University Park, IL 6041
708-534-5200
Fax: 708-534-5211



500-127406 COC

Report To: **Rich Graf**
 Contact: **KPRG & Associates Inc.**
 Company: **14696 W. Lisbon Rd. Suite 2B**
 Address: **Brookfield, WI**
 Phone: **282-781-0475**
 Fax:
 Email:
 Lab Lot # **500-127406**
 Package Sealed (Yes/No)
 Received on Ice (Yes/No)
 Samples Intact (Yes/No)
 Temperature °C of Cooler **34.2**
 Within-Hold Time (Yes/No)
 pH-Check OK (Yes/No)
 Check OK/Res Cl. (Yes/No)
 Sample Labels and COC Agree (Yes/No)
 COC not present (Yes/No)
 Additional Analyses / Remarks

Sampler Name:	Client Project #	Rating #	Matrix	Matrix # of Cont.	18 Metals + Hg dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTX	Perforata	Medium 228/228	Additional Analyses / Remarks
Jan John Howieson	12313.1	8	W	8	X	X	X	X	X	X		
Project Name: Powerlon Station Ash Ponds	TestAmerica Project Number: 50008027	8	W	8	X	X	X	X	X	X		
Project Location: Pekin, IL	Data Required Hand Copy: / /	8	W	8	X	X	X	X	X	X		
Lab PM: Eric Lang	Fax: / /	8	W	8	X	X	X	X	X	X		
Laboratory ID	Client Sample ID	Sampling Date	Time									
11		5-3-17	09:48		X	X	X	X	X	X		
12		5-1-17	13:35		X	X	X	X	X	X		
13		5-1-17	14:15		X	X	X	X	X	X		
14		5-1-17	15:05		X	X	X	X	X	X		
15		5-1-17	15:54		X	X	X	X	X	X		
16		5-2-17	10:47		X	X	X	X	X	X		
17		5-2-17	11:40		X	X	X	X	X	X		
18		5-2-17	13:25		X	X	X	X	X	X		
19		5-3-17	11:24		X	X	X	X	X	X		
20		5-3-17	14:48		X	X	X	X	X	X		
21		5-3-17	18:37		X	X	X	X	X	X		

RELINQUISHED BY: **F. SA** COMPANY: **KPRG** DATE: **5-3-17** TIME: **17:30**
 RECEIVED BY: **Eric Lang** COMPANY: **TAAC** DATE: **05/05/17** TIME: **17:30**

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

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

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

COMMENTS: Date Received: **05/05/17**
 Counter:
 Hand Delivered:
 Bill of Lading:
 PAGE **1** of **2**

TestAmerica

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

Report To:
 Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14895 W. Lisbon Rd. Suite 2B
 Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

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

Sampler Name: Jan John Howieson
Project Name: Powerion Station Ash Ponds
Project Location: PeKin, IL
Lab PM: Eric Lang
Client Project #: 12313.1
TestAmerica Project Number: 50008027
Date Required:
Hard Copy: / /
Fax: / /

Laboratory ID	Client Sample ID	Sampling Date	Sampling Time	Matrix	Comp/Grab	18 Metals + Hg, dissolved	Cl, TDS, SO4, F	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226/228	pH Check OK		Check OK/Res Cl, Cl		Sample Labels and COC Agree		Additional Analyses / Remarks	
													Yes	No	Yes	No	Yes	No		Yes
14	MW-12	5-3-17	16:00 W		8	X	X	X	X	X	X	X	X							
15	MW-13	5-4-17	09:38 W		8	X	X	X	X	X	X	X	X							
16	MW-14	5-4-17	11:30 W		8	X	X	X	X	X	X	X	X							
17	MW-15	5-4-17	13:05 W		8	X	X	X	X	X	X	X	X							
18	MW-16	5-2-17	16:19 W		8	X	X	X	X	X	X	X	X							
	Duplicates					X	X	X	X	X	X	X	X							
	Tripp Blank					X	X	X	X	X	X	X	X							

RELINQUISHED BY: [Signature] DATE: 5-5-17 17:30
COMPANY: APR
RECEIVED BY: [Signature] DATE: 5-5-17 17:30
COMPANY: TACHE
RELINQUISHED BY: [Signature] DATE: 5/5/17 17:30
COMPANY: TACHE

Matrix Key	Container Key	Preservative Key
WW = Wastewater W = Water S = Soil SL = Sludge MS = Miscellaneous OL = Oil A = Air	1. Plastic 2. VOA Vial 3. Sterile Plastic 4. Amber Glass 5. Wide-mouth Glass 6. Other	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: 05/05/17
 Courier:
 Hand Delivered:
 Bill of Lading:
 PAGE 2 of 2
 STL-6208 (0800) MWG13-15_62633 5/18/2017

TestAmerica

TestAmerica Chicago
 2417 Bond St
 University Park, IL 60
 708-534-5200
 Fax 708-534-5211



500-127408 COC

Report To:
 Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14895 W Lisbon Rd Suite 203
 Brookfield, WI
 Phone: 762-781-0475
 Fax:
 Email:

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

Lab Lot # 500-127406
 Packages Sealed Yes No
 Resealed on Ice Yes No
 Temperature of Cooler
 Whirl-Hold Time
 pH Check OK
 Check OK/Res Cl₂ C
 Multiple Labels and COC Agree
 Additional Analyses / Remarks

Sampler Name	Client Project #	Refrig # / Cont.	Volume Preserv.	# of Cork	Refrig	NO2 desolved	NO3-NO2 desolved	Cyanide desolved	BTEX	Perchlorate	Company	DATE	TIME
Jan John Howison	12313.1												
Project Name: Powertron Station Ash Ponds	TestAmerica Project Number: 50008027												
Project Location: Pekin, IL	Data Required												
Lab PM: Eric Lang	Hard Copy: / /												
Laboratory ID	Client Sample ID	Sampling Date	Sampling Time										
11	MW-01	5-3-17	09:48 W	5	X	X	X	X	X	X		6/5/17	17:11
12	MW-02	5-3-17	13:15 W	5	X	X	X	X	X	X		6/5/17	17:11
13	MW-03	5-3-17	14:15 W	5	X	X	X	X	X	X		6/5/17	17:11
14	MW-04	5-3-17	15:05 W	5	X	X	X	X	X	X		6/5/17	17:11
15	MW-05	5-3-17	15:54 W	5	X	X	X	X	X	X		6/5/17	17:11
16	MW-06	5-3-17	10:49 W	5	X	X	X	X	X	X		6/5/17	17:11
17	MW-07	5-3-17	11:40 W	5	X	X	X	X	X	X		6/5/17	17:11
18	MW-08	5-3-17	13:25 W	5	X	X	X	X	X	X		6/5/17	17:11
19	MW-09	5-3-17	11:24 W	5	X	X	X	X	X	X		6/5/17	17:11
20	MW-10	5-3-17	14:48 W	5	X	X	X	X	X	X		6/5/17	17:11
21	MW-11	5-3-17	13:37 W	5	X	X	X	X	X	X		6/5/17	17:11

REFRESHED BY: J. SH... COMPANY: KPRG & Associates Inc. DATE: 5-3-17 TIME: 17:30
 RECEIVED BY: [Signature] COMPANY: KPRG & Associates Inc. DATE: 6/5/17 TIME: 17:11
 REFRESHED BY: [Signature] COMPANY: KPRG & Associates Inc. DATE: 6/5/17 TIME: 17:11
 RECEIVED BY: [Signature] COMPANY: KPRG & Associates Inc. DATE: 6/5/17 TIME: 17:11

Matrix Key	Container Key	Preservative Key
WW = Wastewater	1 Plastic	1 HCl, Cool to 4°
W = Water	2 YOA Vial	2 H ₂ O, Cool to 4°
S = Sol	3 Sterile Plastic	3 HNO ₃ , Cool to 4°
GL = Sludge	4 Amber Glass	4 NaOH, Cool to 4°
MS = Miscellaneous	5 Wadsworth Glass	5 NaOH/ZA, Cool to 4°
DL = DL	6 Other	6 Cool to 4°
A = Air	7 None	7 None

TestAmerica

111 ALLEN IN FORT MYERS, FL 33901
 TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60484
 708 534-5200
 Fax: 708-534-5211

Report To:

Contact: Rich Graf
 Company: KPROG & Associates Inc.
 Address: 14685 W. Linnon Rd. Suite 2B
 Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

Bill To:

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

Lab Lot # 50-127406
 Presignt Presignt Samples Presignt
 Yes No Yes No Yes No
 Receipt on lot Receipt on lot
 Yes No Yes No Yes No N/A
 Temperature of Cooler
34.8 F
 With Hold Time
 Yes No
 pH Check OK
 Yes No
 Sample Labels and COC Agree
 Yes No
 COC OK/Res OK/Res
 Yes No
 Additional Analyses / Remarks

Sampler Name:	Client Project #	Refig # # / Cont.	Volume Preserv.	Matrix Copy/Cats	NO3 + NO2 checked	Cyanide, checked	Asbestos	Field # 226228	Additional Analyses / Remarks
San John Nonleasos	12313.1								
Project Name: Power Station Ash Ponds	TestAmerica Project Number: 50008027								
Project Location: Pekin, IL	Dials Required Hard Copy: / /								
Lab PIM: Eric Lang	Fax: / /								
Laboratory ID	Client Sample ID	Sampling Date	Time	Matrix	NO3 + NO2	Cyanide	Asbestos	Field #	Additional Analyses / Remarks
10	MW-12	5-3-17	16:00 W	X	X	X	X	X	
15	MW-13	5-4-17	09:38 W	X	X	X	X	X	
16	MW-14	5-4-17	11:30 W	X	X	X	X	X	
17	MW-16	5-4-17	13:05 W	X	X	X	X	X	
18	MW-18	5-2-17	16:19 W	X	X	X	X	X	
	Duplicates			X	X	X	X	X	
	Tripp Blank			X	X	X	X	X	

REQUISHED BY: ESK DATE: 5-5-17 TIME: 17:30
 RECEIVED BY: [Signature] COMPANY: TRACHE DATE: 5/10/17 TIME: 17:30
 RECEIVED BY: _____ COMPANY: _____ DATE: _____ TIME: _____

Matrix Key	Container Key	Preservative Key	Comments
WW = Wastewater W = Water S = Soil SL = Sludge MS = Miscellaneous CA = CA A = Ar	1. Plastic 2. VOA/Vol 3. Barks/Fossils 4. Amber Glass 5. Wide-mouth Glass 6. Other	1. HCl, Cool to 4° 2. H ₂ SO ₄ , Cool to 4° 3. HNO ₃ , Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. Cool to 4° 7. None	Dials Received: <u>CS AS 112</u> Counter: Hand Delivered: <input checked="" type="checkbox"/> Bill of Lading:

ORIGIN ID: P1M9 (630) 325-1300
FRM JOHN HADLISON

414 PLAZA DR STE 106
HESTON, IL 60555
UNITED STATES US

TO
ERIC LANG
TEST AMERICA
2417 BOND ST

UNIVERSITY PARK IL 60484

(708) 684-6200

REF1

500-127406 Waybill

Phone Number

SHIP DATE: 01MAY17
ACTWT: 28.00 LB
CND: 00889479/8SFE1801
DIMS: 18x15x8 IN
BILL THIRD PARTY



Part # 169207352/WH/280128017



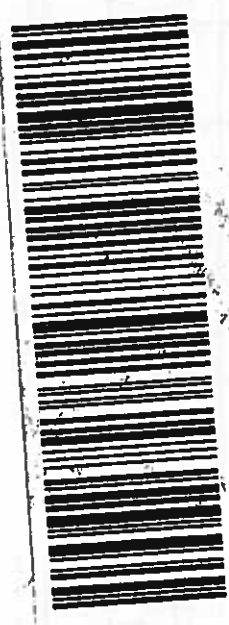
TRK 7864 2166 1697

0501

TUE - 02 MAY 3:00P
STANDARD OVERNIGHT

XH JOTA

60484
IL-US ORD



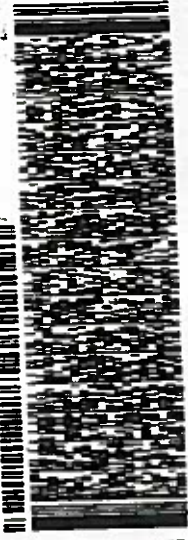
ORIGIN 107P1AA (630) 325-1300
IAN JOHN HONIESON
KPRG AND ASSOC
414 PLAZA DR STE 106
WESTMONT, IL 60558
UNITED STATES US

TO ERIC LANG
TEST AMERICA
2417 BOND ST.

UNIVERSITY PARK IL 60484

(708) 684-9200
REF: 3786346

SHIP DATE: 03MAY17
ACTWGT: 31.60 LB
CAD: 008884780/88FE1801
DIMS: 18x15x12 IN
BILL THIRD PARTY



THU - 04 MAY 3:00P
STANDARD OVERNIGHT
AHS

TRK# 7864 5096 4680
10201

XH JOTA

60484
IL-US ORD



500-127406 Waybill

Do Not Lift Using This Tag

ORIGIN 10:PIAG (630) 325-1300
IAN JOHN HOLESON
KPRG AND ASSOC
414 PLAZA DR STE 106

WESTMONT, IL 60559
UNITED STATES US

TO **ERIC LANG**
TEST AMERICA CHICAGO
2417 BOND ST

SHIP DATE: 04MAY17
ACTMET: 25 20 LB
CAD#: 008884280 3854661
91MS: 16X15X10 IN

BILL THIRD PARTY

UNIVERSITY PARK IL 60484
(708) 634-8200
REF:

FOR ADDITIONAL INFORMATION FROM THE POSTAL SERVICE VISIT www.usps.com

REF:

FedEx
Express

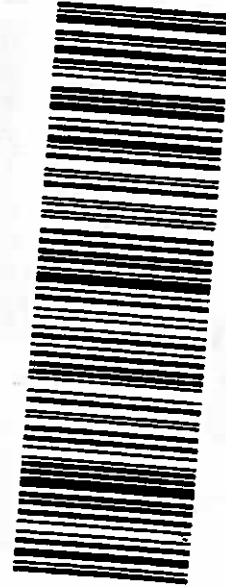


TRK 7864 6415 4775
0201

FRI - 05 MAY 3:00P
STANDARD OVERNIGHT

XH JOTA

60484
IL-US ORD



500-127406 Waybill

TestAmerica Chicago
 2417 Bond Street
 University Park, IL 60481
 Phone (708) 534-5200 Fax (708) 534-5211

Chain of Custody Record

TestAmerica



Client Information (Sub Contract Lab)		Lab # 500-86940-1	
Client Contact Shipping/Receiving		Page Page 1 of 2	
Company TestAmerica Laboratories, Inc		Job # 500-127406-1	
Address 880 Riverside Parkway West Sacramento State 2 p CA, 95605		Preservation Codes A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO1 F - MeOH G - Arches H - Acetic Acid I - Ice J - DiWater K - EDTA L - LDA Other	
Phone 916-373-5600(Tel) 916-372-1059(Fax)		M - Nitrate N - None O - Acridor P - Na2OHS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - ISP Dithionite U - Acetone V - NCA W - pH 1-5 X - other (specify)	
Project # 50008027		Total Number of Containers	
Site MWG - Powerion		Special Instructions/Note	
Due Date Requested 5/17/2017		Analysis Requested	
TAT Requested (days) 7		114 D/Perchlorate	
PU#		Performs MS/MSD (Yes or No)	
WO#		Field Filtered Sample (Yes or No)	
Sample Date		Sample Time	
Sample Type (C=Comp, G=Grab)		Matrix (W=Water, B=Brine, O=Organic, A=As)	
Sample ID (Lab ID)		Preservation Code	
MW-02 (500-127406-1)	5/11/17	13:33 Central	Water
MW-03 (500-127406-2)	5/11/17	14:15 Central	Water
MW-04 (500-127406-3)	5/11/17	15:05 Central	Water
MW-05 (500-127406-4)	5/11/17	15:51 Central	Water
MW-06 (500-127406-5)	5/21/17	10:57 Central	Water
MW-07 (500-127406-6)	5/21/17	11:40 Central	Water
MW-08 (500-127406-7)	5/21/17	13:25 Central	Water
MW-10 (500-127406-8)	5/21/17	14:38 Central	Water
MW-16 (500-127406-9)	5/21/17	16:19 Central	Water

Note: Since laboratory accreditation is subject to change, TestAmerica Laboratories, Inc. places the onus of method, analysis and accreditation compliance upon our subcontractor. This sample shipment is for your use only. If the laboratory does not currently maintain accreditation in the State of Oregon listed above for analysis, please do not analyze. If all requested accreditation are current to date, return the signed Chain of Custody to TestAmerica Laboratories, Inc. attention: regulatory. If all requested accreditation are current to date, return the signed Chain of Custody to TestAmerica Laboratories, Inc.

Possible Hazard Identification
 Return To Client
 Disposal By Lab
 Archive For

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Special Instructions/OC Requirements

Received by: TA
 Date Time: 05/08/17 @ 13:00
 Company: TA
 Date Time: 5/9/17
 Company: TAWS
 Date Time: [blank]
 Company: [blank]
 Date Time: [blank]
 Company: [blank]

Custody Seals Intact
 Yes No

Custody Seal No
 1.3

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

Chain of Custody Record

TestAmerica

Client Information (Sub Contract Lab)		Lab PM Lang, Eric A		COC No. 500-86940-2					
Shipping/Receiving		E-Mail eric.lang@testamerica.com		Page 2 of 2					
Company TestAmerica Laboratories, Inc		Accepted/Analyst's Request (See note) NELAP - Illinois		Job # 500-127406-1					
Address 180 Riverside Parkway		State of Origin Illinois		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amch or H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other					
City West Sacramento		Analysis Requested							
State Zip CA 95605		Due Date Requested 5/17/2017							
Phone 916-373-5600 (Tel) 916-372-1059 (Fax)		TAT Requested (days)							
Email		PO #							
Project Name Powertrain Station CCA		WO #							
Site MWG - Powertrain		Project # 50008027							
Sample Identification - Client ID (Lab ID)		SSCN#							
Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Pre-oxid, Residue, Unoxidized, Blotting, Aqueous, Acid)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	310 Pesticides	Total Number of Containers	Special Instructions/Note
Duplicate (500-127406-10)	5/2/17	Central	Water	Water		X		1	
MW-01 (500-127406-11)	5/3/17	09:48 Central	Water	Water		X		1	
MW-09 (500-127406-12)	5/3/17	11:24 Central	Water	Water		X		1	
MW-11 (500-127406-13)	5/3/17	13:37 Central	Water	Water		X		1	
MW-12 (500-127406-14)	5/3/17	16:00 Central	Water	Water		X		1	
MW-13 (500-127406-15)	5/4/17	09:38 Central	Water	Water		X		1	
MW-14 (500-127406-16)	5/4/17	11:30 Central	Water	Water		X		1	
MW-15 (500-127406-17)	5/4/17	13:05 Central	Water	Water		X		1	

Note: Since laboratory accreditation is subject to change, TestAmerica Laboratories, Inc. makes the ownership of method and accreditation certificates upon our subcontracted laboratories. This sample shipment is forwarded under chain of custody.

Possible Hazard Identification
 Reconfirmed
 Deliverable Requested I, II, III, IV, Other (specify)

Primary Deliverable Rank: 2

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

Special Instructions/OC Requirements

Delivery Kit Relinquished by _____ Date _____

Received by _____ Date Time _____
 Received by _____ Date Time _____
 Received by _____ Date Time _____

Company _____
 Company _____
 Company _____

Signature: *[Signature]* Date Time: 05/18/17 @ 1300
 Date Time: 5/11/17 945
 Date Time: _____

Custody Seal No. _____
 Custody Seal Intact: Yes No

Cooler Temperature(s): C and Other Remarks: 1-3

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-127406-1

Login Number: 127406

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is \neq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	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	3.0,2.4,3.8,3.4,2.8,2.3,4.1,3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-127406-1

Login Number: 127406
List Number: 3
Creator: Edman, Connor M

List Source: TestAmerica Sacramento
List Creation: 05/10/17 02:10 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	060675
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	headspace for 314
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ ($1/4"$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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