

ANNUAL and QUARTERLY GROUNDWATER MONITORING REPORT
POWERTON GENERATING STATION

January 13, 2017

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

VIA FEDERAL EXPRESS

Re: Annual and Quarterly Groundwater Monitoring Results – Fourth Quarter 2016
Powerton Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00057; ID# 6282

Dear Ms. Rhodes:

The fourth quarterly groundwater sampling for 2016 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. This report is also intended to serve as the Annual Report and includes historical data analysis/summaries.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at the Powerton facility consists of sixteen wells (MW-01 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-01 through MW-16 were collected using the low-flow sampling technique.

One duplicate sample was collected from well MW-08 for quality assurance purposes. In addition, a deionized water trip blank was placed with the sample bottle shipment by the

Comp. Ex. 2580

MWG13-15_58155

laboratory and accompanied the groundwater samples bottles from and back to the laboratory. All samples were analyzed for the inorganic compounds listed in Illinois Administrative Code (IAC) 620.410(a), 620.410(d) and 620.410(e), excluding radium 226/228. The trip blank was analyzed for the volatile organic compounds (VOCs) listed in IAC 620.410(d).

Groundwater Flow Evaluation

Water level data from the most recent round of sampling along with historical water levels obtained from each well are summarized in Table 1. As noted in previous submittals, monitoring wells MW-06, MW-08, 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. 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 is generally in a northwesterly direction (Figure 3). The flow conditions observed during this sampling are generally consistent with historical conditions reported for the site. Relative to an annual evaluation of groundwater levels, a historical hydrograph is presented in Attachment 1.

Summary of Analytical Data

A copy of the analytical data package is provided in Attachment 2. 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. As stated above, the duplicate sample was collected from well MW-08. All duplicate values were within an acceptable range (+/- 30%). All wells for which the sampling data reports a value above one or more groundwater standards are located within the area of the approved Groundwater Management Zone (GMZ) and the Environmental Land Use Control (ELUC) restrictions placed on the property with the exception of upgradient well MW-16 which has noted nitrate impacts above the Class I groundwater standard.

Relative to an annual evaluation of the water chemistry data, time versus concentration curves are provided for each parameter analyzed in Attachment 3. The curves include the Class I drinking water standard for reference

As noted previously, all wells for which the sampling data reports a value above one or more applicable groundwater standards are located within the area of the approved GMZ and the ELUC restrictions placed on the property, except upgradient well MW-16.

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,

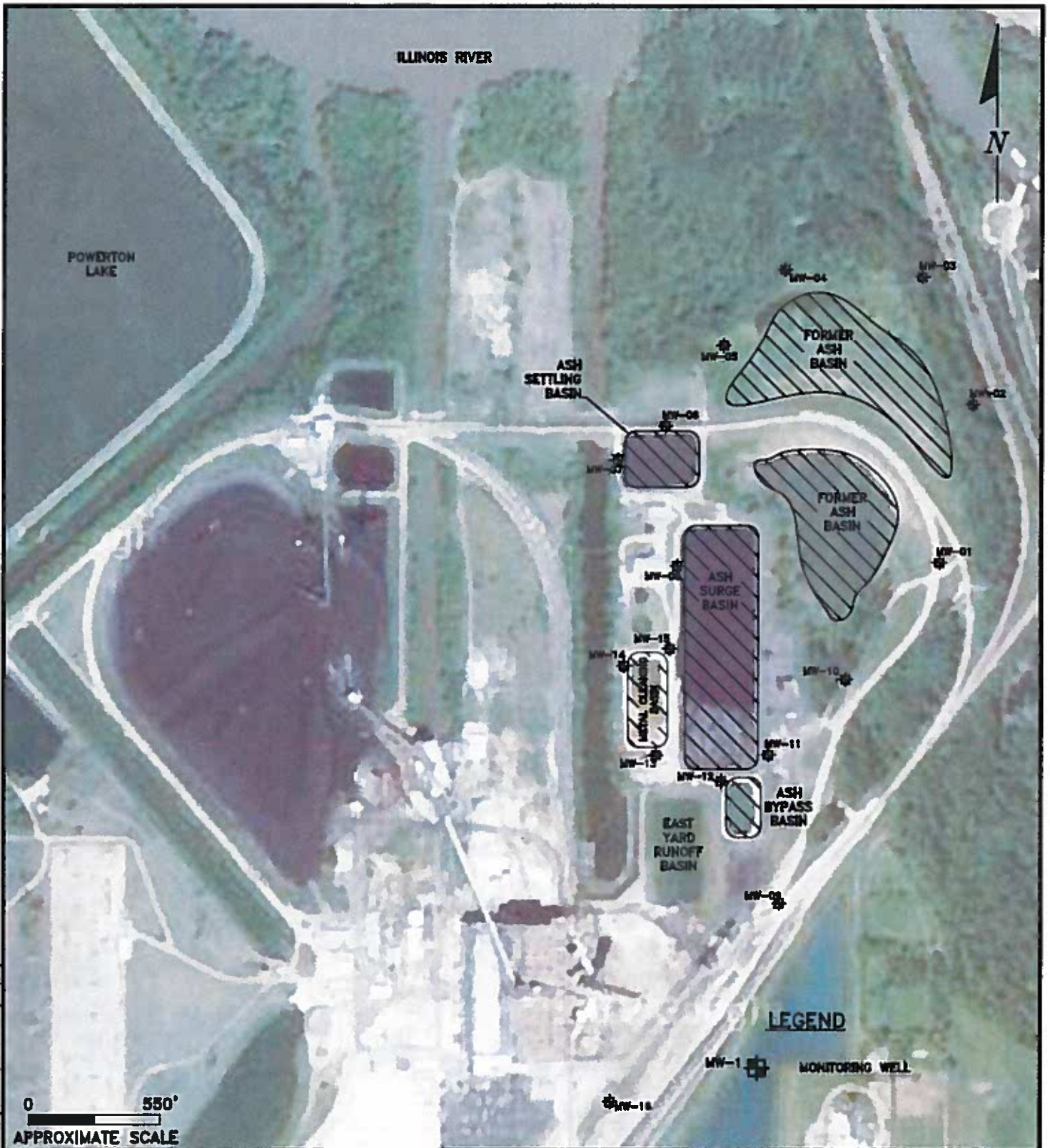


Dale Green
Station Manager

Attachments

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

FIGURES



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

SITE MAP

**POWERTON STATION
PEKIN, ILLINOIS**

Scale: 1" = 550'

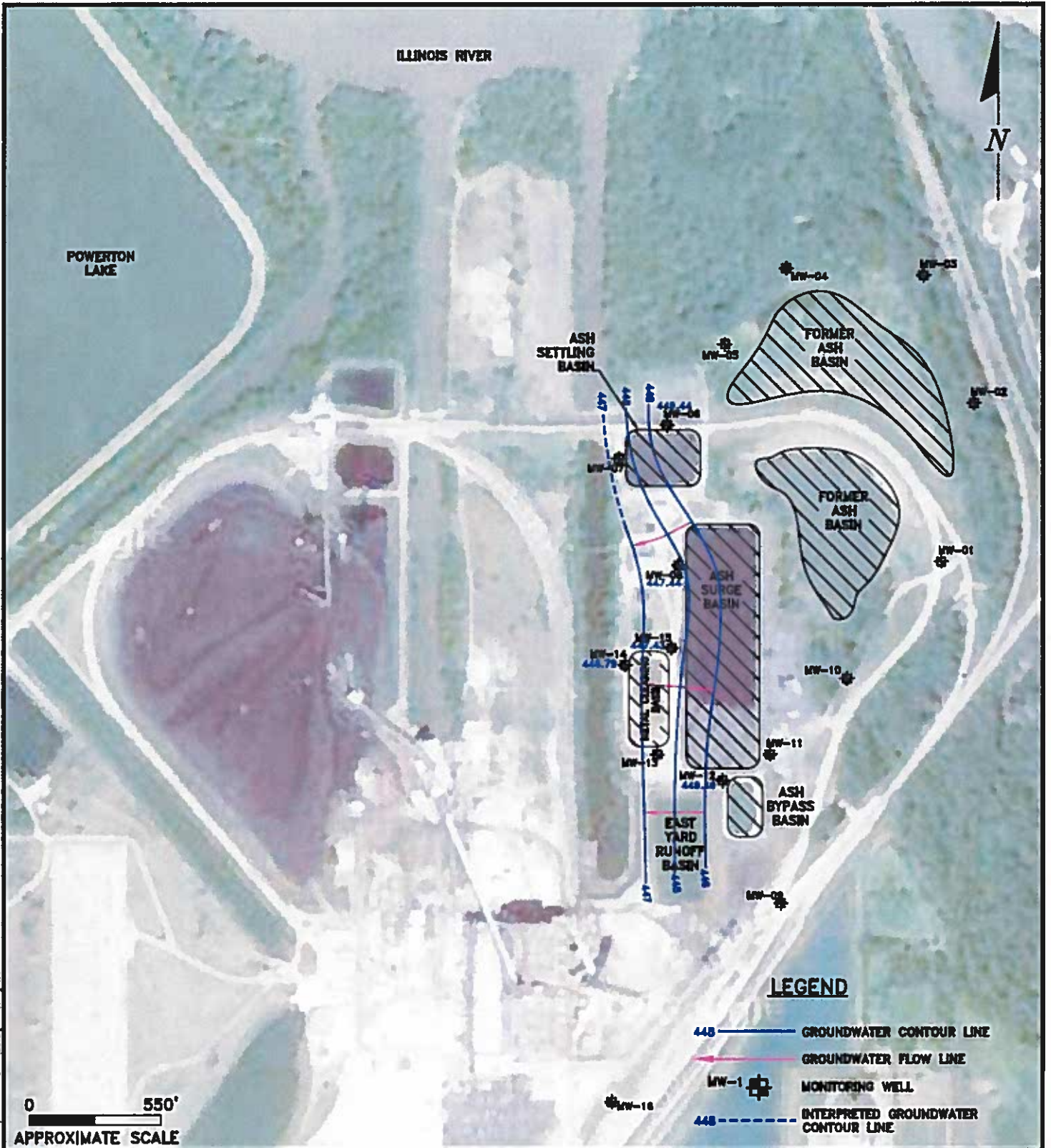
Date: January 23, 2015

KPRG Project No. 12313.1

FIGURE 1

MW015 15 36155

K:\Projects\12313.1\12313.1_01_Site Map.mxd
 1/23/15 10:58:15 AM
 User: kprg\jgibson



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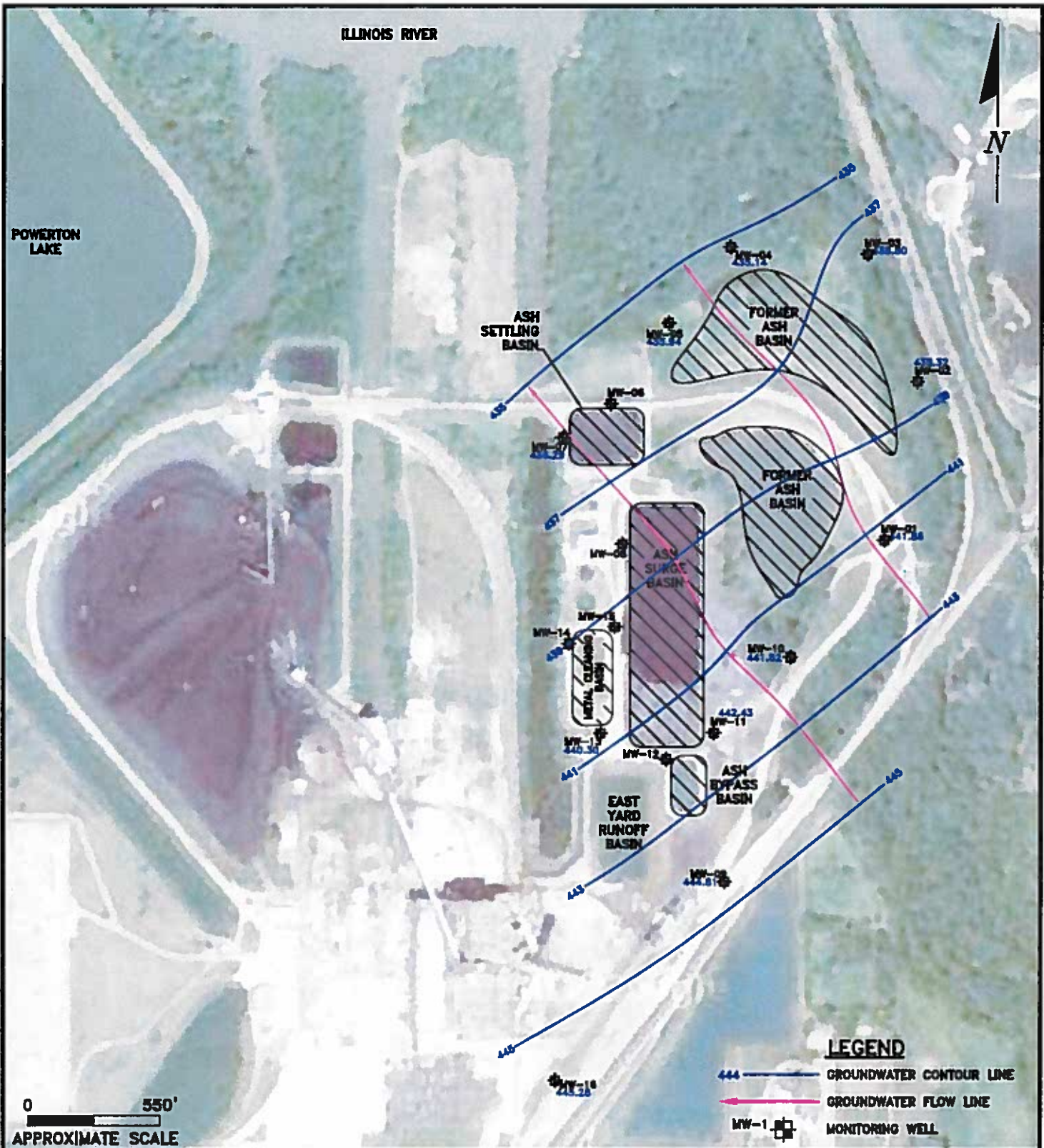
GROUNDWATER CONTOUR MAP FOR SILT/CLAY UNIT 11/2016

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: December 19, 2016

KPRG Project No. 12313.1 | MWC 13 | **FIGURE 2**

KPRG and Associates, Inc. 12313.1 Groundwater Contour Map for MWC 13 (11/2016)



0 550'
APPROXIMATE SCALE

LEGEND
 444 — GROUNDWATER CONTOUR LINE
 — GROUNDWATER FLOW LINE
 MW-1 □ MONITORING WELL

ENVIRONMENTAL CONSULTATION & REMEDIATION

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GROUNDWATER CONTOUR MAP FOR GRAVELLY SAND UNIT 11/2016

POWERTON STATION PEKIN, ILLINOIS

Scale: 1" = 550' Date: December 19, 2016

KPRG Project No. 12313.1 MWG 13-0811 **FIGURE 3**

The project is under contract to the U.S. Environmental Protection Agency (EPA) under contract number 12313.1. The map was prepared by KPRG and Associates, Inc. on 12/19/2016.

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	10/29/2014	465.06	461.67	441.92	441.92	430.96	23.14	23.14	34.10
	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
MW-02	10/27/2014	462.42	459.25	439.27	439.25	425.31	23.15	23.17	37.11
	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
MW-03	10/27/2014	462.34	459.10	439.45	439.46	425.04	22.89	22.88	37.30
	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
MW-04	10/27/2014	460.48	457.29	436.01	435.97	423.33	24.47	24.51	37.15
	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
MW-05	10/27/2014	458.58	455.80	436.33	436.31	423.79	22.25	22.27	34.79
	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
MW-06	10/29/2014	464.47	461.22	446.49	446.48	431.87	17.98	17.99	32.60
	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
MW-07	10/29/2014	463.23	459.65	435.75	435.64	414.93	27.48	27.59	48.30
	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

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	10/28/2014	471.73	468.70	446.16	446.16	438.21	25.57	25.57	33.52
	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
MW-09	10/30/2014	469.19	466.21	444.08	444.09	434.05	25.11	25.10	35.14
	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
MW-10	10/30/2014	457.39	454.09	441.45	441.45	424.89	15.94	15.94	32.50
	2/23/2015	457.39	454.09	440.88	440.88	424.89	16.51	16.51	32.50
	5/11/2015	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
MW-11	10/28/2014	471.59	468.07	441.37	441.38	427.89	30.22	30.21	43.70
	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
MW-12	10/28/2014	473.38	470.00	449.21	449.20	440.79	24.17	24.18	32.59
	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
MW-13	10/29/2014	470.94	467.65	438.47	438.20	427.85	32.47	32.74	43.09
	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
MW-14	10/29/2014	470.79	467.67	445.55	444.59	439.32	25.24	26.20	31.47
	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

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Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-15	10/28/2014	471.38	468.26	446.22	446.12	439.91	25.16	25.26	31.47
	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
MW-16	10/30/2014	471.56	468.26	444.76	444.76	434.27	26.80	26.80	37.29
	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

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

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

Parameter	Standards	10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/16/2015		2/25/2016		5/20/2016		8/17/2016		11/16/2016	
		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	± 0	0.0025	0.049	0.0025	0.037	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
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	0.075	0.050	0.059	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
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	42	2.0	37	2.0	67	2.0	58	2.0	44	2.0	42	2.0	44	2.0	40	2.0	39
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.18	0.10	0.17	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
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	0.0043	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0028	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	4.4	0.10	4.1	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
Nitrogen/Nitrate, Nitrite	N/A	0.50	4.4	0.50	4.1	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
Nitrogen/Nitrite	N/A	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	0.0037	0.0025	ND	0.0025	ND	0.0025	ND ^A
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	2.0	54	1.0	43	1.0	50	2.0	55	2.0	66	1.0	57	1.0	59	1.0	51	1.0	55
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	1.0	41.0	1.0	47.0	1.0	45.0	1.0	65.0	1.0	51.0	1.0	46.0	1.0	50.0	1.0	62.0	1.0	48.0
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	0.0016	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BTEX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0053	0.0025	ND	0.0025	0.0038	0.0025	ND	0.0025	ND
pH	6.5-9.0	NA	7.25	NA	6.93	NA	7.39	NA	6.89	NA	7.07	NA	7.23	NA	6.95	NA	7.16	NA	7.22
Temperature	N/A	NA	17.15	NA	1.92	NA	14.01	NA	22.91	NA	13.85	NA	7.82	NA	14.70	NA	24.92	NA	18.68
Conductivity	N/A	NA	0.92	NA	0.44	NA	0.65	NA	1.01	NA	0.68	NA	0.57	NA	0.62	NA	0.74	NA	0.62
Dissolved Oxygen	N/A	NA	1.63	NA	9.99	NA	4.82	NA	2.51	NA	1.62	NA	3.74	NA	5.69	NA	1.53	NA	3.11
ORP	N/A	NA	-3.6	NA	150.7	NA	53.6	NA	-15.3	NA	118.2	NA	47.3	NA	38.8	NA	10.1	NA	10.7

Notes
 Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 020.410 - 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 - Celsius
 mg/L - milligrams per liter
 mV - millivolts

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C - Celsius
 mg/L - milligrams per liter
 mV - millivolts

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

Parameter	Standards	10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016	
		DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Arsenite	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	0.0016	0.0010	0.0017	0.0010	0.0017	0.0010	0.0010	0.0010	0.0013	0.0010	0.0010	0.0010	ND	0.0010	0.0015
Barium	2.0	0.0025	0.067	0.0025	0.051	0.0025	0.072	0.0025	0.072	0.0025	0.066	0.0025	0.058	0.0025	0.061	0.0025	0.050	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	0.078	0.050	0.082	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
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	44	2.0	54	10	92	2.0	51	2.0	45	2.0	45	2.0	47	2.0	39	2.0	39
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	0.17	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
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	0.0013	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	0.015	0.0025	0.027	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 F2	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	4.3	0.10	5.9	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
Nitrogen Nitrate, Nitrite	NA	0.50	4.3	0.50	5.9	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
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	49	10	57	10	41	10	53	20	77	20	73	10	54	10	39	10	53
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	440	10	510	10	490	10	540	10	480	10	440	10	470	10	370	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	ND	0.00050	ND	0.00050	0.001	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00055	0.0025	0.0042	0.0025	ND	0.0025	0.00077	0.0025	0.00068	0.0025	ND
pH	6.5 - 9.0	NA	7.37	NA	8.13	NA	7.86	NA	7.28	NA	7.12	NA	7.28	NA	7.33	NA	7.29	NA	7.50
Temperature	NA	NA	17.43	NA	2.61	NA	12.12	NA	24.86	NA	13.93	NA	5.47	NA	11.12	NA	10.65	NA	11.20
Conductivity	NA	NA	0.78	NA	0.49	NA	0.66	NA	0.86	NA	0.64	NA	0.47	NA	0.55	NA	0.56	NA	0.53
Dissolved Oxygen	NA	NA	2.96	NA	11.55	NA	1.99	NA	1.52	NA	8.66	NA	4.93	NA	2.58	NA	1.89	NA	6.05
ORP	NA	NA	60.1	NA	113.1	NA	87.3	NA	-37.7	NA	112.9	NA	36.9	NA	27.6	NA	-32.8	NA	13.2

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

DL - Detection limit
 NA - Not Applicable
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°C - Celsius
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Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mg/L
 mV

degrees Celsius
 milligrams per liter
 millivolts

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

Parameter	Standards	Date		10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016	
		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	ND	0.0010	0.0010	0.0010	0.0017	0.0010	0.0010	0.0010	0.0017	0.0010	0.0010	0.0010	0.0014	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.063	0.0025	0.045	0.0025	0.054	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
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	0.14	0.050	0.32	0.050	0.086	0.050	0.34	0.050	0.34	0.050	0.30	0.050	0.42	0.050	0.28	0.050	0.30	0.050	0.31
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	47	2.0	47	2.0	48	2.0	45	2.0	45	2.0	43	2.0	46	2.0	46	2.0	44	2.0	39
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	0.25	0.10	0.23	0.10	0.22	0.10	0.30	0.10	0.30	0.10	0.29	0.10	0.23	0.10	0.20	0.10	0.22	0.10	0.24
Iron	5.0	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.016	0.0025	0.016	0.0025	0.0031	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	0.00020	ND
Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	2.4	0.10	2.0	0.10	2.7	0.10	ND	0.10	ND	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.10	3.7
Nitrogen/Nitrate, Nitrite	NA	0.50	2.4	0.10	2.0	0.10	2.7	0.10	ND	0.10	ND	0.10	0.19	0.10	0.95	0.10	0.70	0.10	0.98	0.10	3.7
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	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	0.0046	0.0025	ND.FI	0.0025	ND.FI	0.0025	ND	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
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	1.0	40	1.0	46	1.0	39	1.0	48	2.0	50	2.0	50	2.0	77	2.0	78	2.0	74	1.0	46
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	1.0	440	1.0	400	1.0	360	1.0	420	1.0	380	1.0	380	1.0	400	1.0	450	1.0	530	1.0	450
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	ND	0.00050	ND	0.00050	ND	0.00050	0.002	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	0.0012	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0054	0.0025	ND	0.0025	0.00074	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.43	NA	7.75	NA	7.63	NA	7.63	NA	7.63	NA	7.12	NA	7.41	NA	6.99	NA	7.23	NA	7.33
Temperature	NA	NA	19.36	NA	8.51	NA	10.39	NA	25.85	NA	19.09	NA	19.09	NA	6.10	NA	8.82	NA	15.65	NA	14.93
Conductivity	NA	NA	0.79	NA	0.49	NA	0.53	NA	0.74	NA	0.60	NA	0.60	NA	0.44	NA	0.49	NA	0.59	NA	0.53
Dissolved Oxygen	NA	NA	2.33	NA	3.65	NA	6.34	NA	3.10	NA	1.01	NA	1.01	NA	9.60	NA	3.67	NA	2.52	NA	3.56
ORP	NA	NA	52.0	NA	102.3	NA	107.9	NA	-35.7	NA	92.5	NA	92.5	NA	36.1	NA	70.1	NA	2.8	NA	22.1

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

Median Value
 * Denies Instrument related QC exceeds the control limits
 F.I. - NS and/or MSD Recovery outside of limits.

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

degrees Celsius
 mg/cm³
 mg/L
 mV

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

Parameter	Standards	10/27/2014		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016	
		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	0.070	0.0025	0.025	0.0025	0.027	0.0025	0.030	0.0025	0.028	0.0025	0.028	0.0025	0.037	0.0025	0.035	0.0025	0.026
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Boron	2.0	0.050	0.77	0.050	0.94	0.050	0.44	0.050	0.51	0.050	0.43	0.050	0.43	0.050	0.60	0.050	0.90	0.10	0.79
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	96	10	74	2.0	47	2.0	74	2.0	47	2.0	47	2.0	60	2.0	59	2.0	53
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	0.0020	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	0.21	0.10	0.32	0.10	0.30	0.10	0.26	0.10	0.22	0.10	0.22	0.10	0.25	0.10	0.28	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	0.075	0.0025	0.018	0.0025	0.015	0.0025	0.14	0.0025	0.14	0.0025	0.14	0.0025	0.0041	0.0025	0.025	0.0025	0.22
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.020	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.14	0.10	0.30	0.10	ND	0.10	0.85	0.10	0.45	0.10	0.45	0.10	ND	0.10	1.3	0.10	ND
Nitrogen/Nitrite	NA	0.10	0.14	0.10	0.30	0.10	ND	0.10	0.85	0.10	0.45	0.10	0.45	0.10	ND	0.10	1.3	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	0.0033	0.0025	0.0033	0.0025	ND	0.0025	ND	0.0025	ND [^]
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	390	25	100	20	47	25	75	20	74	20	74	20	65	20	61	10	30
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	580	10	470	10	550	10	420	10	420	10	480	10	590	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	ND	0.00050	0.0017	0.00050	0.0017	0.00050	0.0017	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0036	0.0025	0.0036	0.0025	0.0036	0.0025	0.0013	0.0025	0.0025	0.0025	ND
pH	6.5 - 9.0	NA	7.20	NA	7.63	NA	7.37	NA	6.72	NA	7.38	NA	7.38	NA	7.09	NA	7.07	NA	7.12
Temperature	NA	NA	20.48	NA	8.95	NA	24.79	NA	16.54	NA	6.06	NA	6.06	NA	14.14	NA	21.42	NA	17.30
Conductivity	NA	NA	1.62	NA	0.72	NA	0.79	NA	0.77	NA	0.48	NA	0.48	NA	0.67	NA	0.77	NA	0.68
Dissolved Oxygen	NA	NA	0.83	NA	1.97	NA	1.31	NA	6.90	NA	9.71	NA	9.71	NA	0.94	NA	2.20	NA	2.26
ORP	NA	NA	22.9	NA	22.5	NA	-32.1	NA	88.4	NA	-43.8	NA	-43.8	NA	-43.3	NA	-95.2	NA	-43.9

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

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

degrees Celsius
 millimhos-centimeters
 milligrams/liter
 millivolts

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

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

Parameter	Standards	Date		2/25/2015		5/13/2015		8/17/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/15/2016	
		DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Ammonium	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	ND	0.0025	0.041	0.0025	0.055	0.0025	0.073	0.0025	0.060	0.0025	0.043	0.0025	0.051	0.0025	0.055	0.0025	0.051
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	ND	0.050	1.1	0.050	0.72	0.050	1.3	0.050	0.74	0.050	0.59	0.050	0.63	0.050	0.66	0.050	0.83
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	120	10	79	10	120	2.0	60	10	110	2.0	54	10	88	10	100	2.0	66
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	0.28	0.10	0.38	0.10	0.37	0.10	0.26	0.10	0.27	0.10	0.27	0.10	0.35	0.10	0.30	0.10	0.25
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	0.058	0.0025	0.078	0.0025	0.13	0.0025	0.084	0.0025	0.044	0.0025	0.039	0.0025	0.015	0.0025	0.0040
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	0.0025	0.0020	0.0023	0.0020	0.0051	0.0020	0.0027	0.0020	0.0032	0.0020	0.0027	0.0020	0.0020	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.20	0.10	0.74	0.10	0.74	0.10	ND	0.10	ND	0.10	0.27	0.10	ND	0.10	ND	0.10	0.12
Nitrogen/Nitrate, Nitrite	NA	0.10	0.20	0.10	0.74	0.10	0.74	0.10	ND	0.10	ND	0.10	0.27	0.10	ND	0.10	ND	0.10	0.12
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	310	20	110	50	150	50	250	50	180	25	130	25	140	50	160	25	94
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	910	10	570	10	730	10	860	10	810	10	550	10	690	10	800	10	630
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	0.00068	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00278	0.0025	ND	0.0025	0.0011	0.0025	0.0006	0.0025	ND
pH	6.5-9.0	NA	7.30	NA	7.52	NA	7.26	NA	7.35	NA	6.65	NA	7.18	NA	7.08	NA	6.85	NA	6.96
Temperature	NA	NA	21.18	NA	5.51	NA	17.46	NA	25.42	NA	15.07	NA	11.30	NA	13.85	NA	19.41	NA	15.32
Conductivity	NA	NA	1.38	NA	0.69	NA	1.06	NA	1.32	NA	1.06	NA	0.75	NA	0.83	NA	1.02	NA	0.77
Dissolved Oxygen	NA	NA	2.20	NA	2.50	NA	1.54	NA	2.24	NA	1.32	NA	1.99	NA	2.58	NA	2.88	NA	1.33
ORP	NA	NA	6.8	NA	9.8	NA	23.5	NA	-27.7	NA	-4.8	NA	-103.8	NA	-65.0	NA	-99.8	NA	-34.7

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

DL - Decision Limit
 N/A - Not Applicable
 ND - Not Detected

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

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

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

Parameter	Standards	10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/17/2015		2/23/2016		5/17/2016		8/16/2016		11/16/2016	
		DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Arsenite	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	0.0011	0.0010	ND	0.0010	0.0025	0.0010	0.0016	0.0010	0.0019 FI	0.0010	ND	0.0010	ND	0.0010	0.0022
Barium	2.0	0.0025	0.10	0.0025	0.099	0.0025	0.094	0.0025	0.12	0.0025	0.11	0.0025	0.082 FI	0.0025	0.098	0.0025	0.090	0.0025	0.090
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	0.34	0.050	0.35	0.050	0.75	0.050	0.51	0.050	0.40 FI	0.050	0.34	0.050	0.41	0.050	0.36
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND FI	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	240	10	110	10	230	10	170	10	210	10	200	10	200 FI	10	210	10	180 FI
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND FI	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND FI	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 FI	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	0.48	0.10	0.52	0.10	0.56	0.10	0.64	0.10	0.58	0.10	0.48	0.10	0.60	0.10	0.50
Iron	5.0	0.10	0.81	0.10	1.0	0.10	0.29	0.10	1.8	0.10	1.4	0.10	1.6 FI	0.10	0.15	0.10	ND	0.10	1.1
Lead	0.0075	0.00050	0.00082	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND FI	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.57	0.0025	0.86	0.0025	0.90	0.0025	1.2	0.0025	0.98	0.0025	0.87 FI	0.0025	0.85	0.0025	0.57	0.0025	0.79
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	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	0.11	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	0.11	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 FI	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 FI	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	380	100	360	100	350	100	480	100	490	100	390	250	500	100	380	100	470
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND FI	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1,100	10	1,100	10	1,300	10	1,400	10	1,100	10	1,100	10	1,400	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 FI	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
BTEX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0013	0.0025	0.00061	0.0025	0.00053	0.0025	0.00099	0.0025	ND
pH	6.5 - 9.0	NA	7.60	NA	8.05	NA	7.76	NA	7.94	NA	7.46	NA	7.68	NA	7.47	NA	7.31	NA	7.66
Temperature	NA	NA	19.31	NA	7.20	NA	17.91	NA	21.94	NA	18.66	NA	13.60	NA	15.26	NA	28.74	NA	19.81
Conductivity	NA	NA	2.36	NA	1.17	NA	1.67	NA	1.99	NA	1.58	NA	1.31	NA	1.36	NA	1.94	NA	1.43
Dissolved Oxygen	NA	NA	0.32	NA	0.96	NA	1.57	NA	1.60	NA	1.20	NA	0.64	NA	0.83	NA	1.32	NA	1.42
ORP	NA	NA	-126.7	NA	-147.7	NA	-73.6	NA	-142.7	NA	-90.4	NA	-96.8	NA	-58.8	NA	-166.3	NA	-154.6

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

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

Parameter	Standards	Date		10/29/2014		2/23/2015		5/11/2015		8/18/2015		11/16/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016	
		DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Ammonium	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	ND
Arsenic	0.040	0.0010	0.31	0.0010	0.18	0.0010	0.18	0.0010	0.18	0.0010	0.23	0.0010	0.13	0.0010	0.0010	0.13	0.0010	0.0010	0.0010	0.0010	0.14
Barium	2.0	0.0025	0.55	0.0025	0.61	0.0025	0.50	0.0025	0.49	0.0025	0.49	0.0025	0.43	0.0025	0.50	0.0025	0.46	0.0025	0.0025	0.0025	0.44
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	0.0010	0.0010	ND
Boron	2.0	0.050	0.27	0.050	0.39	0.050	0.34	0.050	0.38	0.050	0.38	0.050	0.36	0.050	0.39	0.050	0.36	0.050	0.050	0.050	0.36
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	0.00050	0.00050	ND
Chloride	200.0	10	150	10	130	10	170	10	140	10	140	10	160	10	150	10	180	10	10	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	0.0050	0.0050	ND
Cobalt	1.0	0.0010	0.0046	0.0010	0.012	0.0010	0.0070	0.0010	0.0026	0.0010	0.0026	0.0010	0.0062	0.0010	0.0038	0.0010	0.0062	0.0010	0.0010	0.0064	0.0058
Copper	0.65	0.0020	ND	0.0020	0.0091	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	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	0.010	0.010	ND
Fluoride	4.0	0.10	0.46	0.10	0.42	0.10	0.42	0.10	0.44	0.10	0.44	0.10	0.43	0.10	0.47	0.10	0.41	0.10	0.10	0.10	0.39
Iron	5.0	0.10	35	0.10	23	0.10	9.5	0.10	38	0.10	38	0.10	12	0.10	33	0.10	9.2	0.10	0.10	0.10	22
Lead	0.0075	0.00050	ND	0.00050	0.0066	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	ND
Manganese	0.15	0.013	13	0.013	7.0	0.050	5.9	0.13	15	0.13	15	0.025	6.2	0.025	13	0.025	3.0	0.013	0.013	0.025	7.8
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	0.00020	0.00020	ND
Nickel	0.1	0.0020	0.0045	0.0020	0.020	0.0020	0.0077	0.0020	0.0024	0.0020	0.0024	0.0020	0.0064	0.0020	0.0052	0.0020	0.0069	0.0020	0.0020	0.0066	0.0055
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	0.10	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	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	0.020	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	0.0040	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	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	0.00050	0.00050	ND
Sulfate	400.0	5.0	16	10	50	10	55	10	59	10	59	20	68	10	41	20	69	10	10	10	27
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	0.0020	0.0020	ND
Total Dissolved Solids	1,200	10	1,300	10	1,100	10	1,100	10	1,300	10	1,300	10	1,100	10	1,300	10	1,000	10	10	10	1,200
Vanadium	0.049	0.0050	ND	0.0050	0.0084	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	0.0050	ND
Zinc	5.0	0.020	ND	0.020	0.027	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00078	0.00050	ND	0.00050	ND	0.00050	0.00050	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00238	0.0025	ND	0.0025	ND	0.0025	0.0025	0.0025	ND
pH	6.5 - 9.0	NA	6.94	NA	6.90	NA	6.88	NA	7.03	NA	7.03	NA	6.60	NA	6.80	NA	6.77	NA	NA	NA	6.62
Temperature	NA	NA	14.31	NA	8.40	NA	17.66	NA	22.21	NA	22.21	NA	13.34	NA	10.72	NA	16.18	NA	NA	NA	21.90
Conductivity	NA	NA	2.62	NA	1.37	NA	1.67	NA	2.18	NA	2.18	NA	1.47	NA	1.55	NA	1.47	NA	NA	NA	1.75
Dissolved Oxygen	NA	NA	1.50	NA	2.66	NA	1.19	NA	0.75	NA	0.75	NA	1.47	NA	1.61	NA	2.26	NA	NA	NA	2.66
ORP	NA	NA	-109.2	NA	-93.7	NA	-109.8	NA	-149.0	NA	-149.0	NA	-40.8	NA	-87.7	NA	-78.3	NA	NA	NA	-68.0

Notes: Standards obtained from IAC, Title 35, Chapter 1, Part 620, Subpart D, Section 620.410 - Groundwater Quality Standards for Class I Potable Recharge 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
 FI - NS and/or MSD Recovery outside of limits.

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

degrees Celsius
 millimhos/cm
 milligrams/liter
 millivolts

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

Parameter	Standards	10/28/2014		2/26/2015		5/1/2015		8/18/2015		11/18/2015		2/25/2016		5/18/2016		8/17/2016		11/15/2016	
		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	0.0022	0.0010	0.0026	0.0010	0.0024	0.0010	0.0024	0.0010	0.0021	0.0010	0.0015	0.0010	0.0028	0.0010	0.0016	0.0010	ND
Barium	2.0	0.0025	0.13	0.0025	0.12	0.0025	0.10	0.0025	0.092	0.0025	0.14	0.0025	0.093	0.0025	0.17	0.0025	0.12	0.0025	0.068
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	0.030	0.72	0.050	0.81	0.050	0.74	0.050	1.5	0.050	1.4	0.25	1.8	0.050	1.4	0.050	0.86	0.25	1.2
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	340	10	260	10	270	10	250	10	160	10	190	10	130	10	260	10	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	0.71	0.10	0.63	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
Iron	5.0	0.10	0.53	0.10	0.17	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
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	0.13	0.0025	0.11	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
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	0.020	ND	0.020	ND	0.020	ND	0.020	0.040	0.020	0.040	0.020	0.038	0.020	0.020	0.020	0.020	0.020	0.0024
Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	0.19	0.10	0.10	0.10	0.10	0.10	0.44
Nitrogen/Nitrite	NA	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.10	0.10	0.19	0.10	0.10	0.10	0.10	0.10	0.44
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.020	0.44
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 ^a
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	290	50	160	50	160	50	310	100	530	50	250	100	290	100	360	50	290
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	1,200	10	1,100	10	1,100	10	1,200	10	1,200	10	1,100	10	1,200	10	1,400	10	1,300
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	0.00081	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00281	0.0025	0.00068	0.0025	0.0015	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.89	NA	8.62	NA	7.90	NA	7.36	NA	7.61	NA	7.00	NA	7.67	NA	7.33	NA	6.90
Temperature	NA	NA	16.22	NA	6.86	NA	15.81	NA	19.60	NA	14.72	NA	10.91	NA	19.30	NA	22.16	NA	16.05
Conductivity	NA	NA	1.99	NA	1.19	NA	1.55	NA	1.86	NA	1.56	NA	1.32	NA	1.55	NA	1.80	NA	2.01
Dissolved Oxygen	NA	NA	0.66	NA	1.22	NA	2.97	NA	1.03	NA	0.72	NA	1.09	NA	0.41	NA	2.22	NA	1.36
ORP	NA	NA	-62.6	NA	-154.2	NA	-97.9	NA	-81.8	NA	-30.2	NA	-46.8	NA	-139.2	NA	-96.6	NA	-24.8

Notes: Standards obtained from IAC, Title 35, Chapter I, Part 620, Subpart D, Section 620-410 - Groundwater Quality Standards for Class I Potable Resource Groundwater
 All values are in mg/L (ppt) unless otherwise noted.

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

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

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 ms/cm
 mg/L
 mV

degrees Celsius
 millisiemens-centimeters
 milligrams/liter
 millivolt

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

Parameter	Standards	Date		10/30/2014		2/24/2015		5/12/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/17/2016		11/17/2016	
		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	0.0030	ND	0.0030	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	0.0010	ND	0.0010	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.047	0.0025	0.043	0.0025	0.026	0.0025	0.034	0.0025	0.023	0.0025	0.034	0.0025	0.030	0.0025	0.030	0.0025	0.036	0.0025	0.037
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	1.6	0.050	3.0	0.050	3.2	0.050	3.3	0.050	2.2	0.050	2.3	0.050	1.5	0.050	1.5	0.050	2.7	0.050	3.8
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	ND	0.00050	0.00050	ND	0.00050	ND
Chloride	200.0	2.0	32	2.0	34	2.0	37	2.0	36	2.0	30	2.0	35	2.0	36	2.0	36	2.0	41	2.0	38
Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	ND	0.0050	0.0050	ND	0.0050	ND
Cobalt	1.0	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	ND	0.0010	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	0.0020	ND	0.0020	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.010	ND	0.010	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.15	0.10	0.18	0.10	0.16	0.10	0.14	0.10	0.19	0.10	0.20	0.10	0.16	0.10	0.16	0.10	0.15	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	0.10	ND	0.10	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	0.00050	ND	0.00050	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	0.022	0.0025	0.024	0.0025	0.086	0.0025	0.020	0.0025	0.076	0.0025	0.084	0.0025	0.079	0.0025	0.079	0.0025	0.11	0.0025	0.10
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	ND	0.00020	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	0.0020	ND	0.0020	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.10	5.9	0.10	13	0.10	9.3	0.10	11	0.10	0.74	0.10	1.0	0.10	0.10	0.10	0.10	0.10	5.7	0.10	4.4
Nitrogen/Nitrate, Nitrite	NA	0.50	5.9	1.0	13	1.0	9.3	1.0	11	1.0	0.74	1.0	1.0	1.0	0.50	0.50	0.50	0.50	5.7	0.50	4.4
Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	ND	0.020	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	0.0040	ND	0.0040	0.0040	ND	0.0040	ND
Selenium	0.05	0.0025	0.0084	0.0025	0.0091	0.0025	0.014	0.0025	0.010	0.0025	0.0028	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0034	0.0025	0.0035
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	ND	0.00050	0.00050	ND	0.00050	ND
Sulfate	400.0	50	160	25	130	50	140	50	160	25	130	25	140	25	100	50	130	50	130	50	140
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	ND	0.0020	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	630	10	570	10	620	10	670	10	410	10	480	10	490	10	490	10	760	10	600
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	ND	0.0050	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	0.020	ND	0.020	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00089	0.00050	ND	0.00050	0.00050	ND	0.00050	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00379	0.0025	0.00063	0.0025	0.0025	ND	0.0025	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.29	NA	7.53	NA	7.44	NA	7.35	NA	7.15	NA	7.34	NA	7.30	NA	7.30	NA	7.32	NA	7.37
Temperature	NA	NA	12.73	NA	11.65	NA	14.26	NA	18.58	NA	16.51	NA	10.02	NA	20.82	NA	20.82	NA	22.91	NA	17.20
Conductivity	NA	NA	1.05	NA	0.67	NA	0.79	NA	0.88	NA	0.67	NA	0.55	NA	0.76	NA	0.76	NA	0.85	NA	0.70
Dissolved Oxygen	NA	NA	1.52	NA	1.37	NA	2.20	NA	0.68	NA	1.42	NA	1.47	NA	4.29	NA	4.29	NA	2.87	NA	4.07
ORP	NA	NA	16.3	NA	25.0	NA	35.5	NA	-22.6	NA	72.9	NA	-37.1	NA	-54.3	NA	-54.3	NA	-76.3	NA	-40.5

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

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

* - Median Value
 † - Denotes instrument related QC exceeds the control limits
 ‡ - MS and/or MSD Recency outside of limits.

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mA/cm²
 mg/L
 mV

degrees Celsius
 milliamperes/centimeters
 milligrams/liter
 millivolts

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

Parameter	Standards	10/30/2014		2/23/2015		5/14/2015		8/18/2015		11/18/2015		2/24/2016		5/18/2016		8/19/2016		11/16/2016	
		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	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.0025	0.13	0.0025	0.23	0.0025	0.14	0.0025	0.17	0.0025	0.18	0.0025	0.18	0.0025	0.25	0.0025	0.17	0.0025	0.17
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	0.84	0.050	0.83	0.050	0.64	0.050	0.42	0.050	0.30	0.050	0.40	0.050	0.38	0.050	0.35	0.050	0.37
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	62	2.0	22	2.0	52	2.0	55	2.0	53	2.0	48	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	0.0015	0.0010	0.0019	0.0010	0.0013	0.0010	0.0013	0.0010	0.0017	0.0010	0.0020	0.0010	0.0020	0.0010	0.0018	0.0010	0.0016
Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.10	0.18	0.10	0.17	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
Iron	3.0	0.10	ND	0.10	0.22	0.10	0.34	0.10	ND	0.10	0.13	0.10	0.20	0.10	ND	0.10	0.15	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	1.1	0.0025	1.3	0.0025	1.7	0.0025	0.94	0.0025	1.4	0.0025	1.6	0.0025	2.3	0.0025	1.4	0.0025	1.3
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	0.0028	0.0020	0.0045	0.0020	0.0049	0.0020	0.0024	0.0020	0.0030	0.0020	0.0046	0.0020	0.0045	0.0020	0.0034	0.0020	0.0027
Nitrogen Nitrate	10.0	0.10	0.67	0.10	0.90	0.10	1.2	0.10	2.8	0.10	1.3	0.10	3.1	0.10	2.2	0.10	1.7	0.10	0.54
Nitrogen Nitrate, Nitrite	N/A	0.10	0.71	0.10	0.94	0.10	1.2	0.20	2.9	0.10	1.3	0.20	3.2	0.20	2.2	0.20	1.8	0.10	0.58
Nitrogen Nitrite	N/A	0.020	0.039	0.020	0.038	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
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	0.0048	0.0025	0.0028	0.0025	0.0050	0.0025	0.0054	0.0025	0.0033	0.0025	0.0043	0.0025	0.0048	0.0025	0.0041	0.0025	0.0032
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	25	95	10	46	10	50	20	64	20	110	20	88	20	67	20	59	10	62
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	550	10	530	10	530	10	550	10	500	10	540	10	580	10	600	10	480
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
BTEX	11,705	0.0025	ND	0.0025	ND	0.0025	0.00055	0.0025	0.00066	0.0025	0.0011	0.0025	ND	0.0025	0.0027	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	N/A	7.16	N/A	7.36	N/A	7.13	N/A	7.46	N/A	6.74	N/A	6.71	N/A	6.72	N/A	6.69	N/A	7.02
Temperature	N/A	N/A	11.11	N/A	5.22	N/A	13.91	N/A	23.06	N/A	13.70	N/A	7.22	N/A	13.24	N/A	17.04	N/A	18.18
Conductivity	N/A	N/A	1.04	N/A	0.56	N/A	0.70	N/A	0.86	N/A	0.67	N/A	0.59	N/A	0.70	N/A	0.68	N/A	0.64
Dissolved Oxygen	N/A	N/A	0.64	N/A	3.45	N/A	0.88	N/A	2.21	N/A	2.01	N/A	0.99	N/A	1.62	N/A	2.38	N/A	2.51
ORP	N/A	N/A	-86.1	N/A	20.3	N/A	-4.0	N/A	-56.8	N/A	70.3	N/A	4.2	N/A	30.6	N/A	-76.5	N/A	-20.3

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

DL - Detection limit
 N/A - Not Applicable
 ND - Not Detected

°C - Median Value
 °C - Densest Instrument related QC exceeds the control limits
 FI - NS Inc or NSD Recover outside of limits.

Temperature Conductivity Dissolved Oxygen Oxygen Reduction Potential (ORP)
 °C mcms⁻¹ mg/L mV
 degrees Celsius millimhos/centimeter milligrams/liter millivolta

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

Sample: MW-11	Parameter	Standards	10/28/2014		2/24/2015		5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/17/2016		11/17/2016	
			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	0.0030	ND	0.0030	0.0030	ND	0.0030	ND
	Arsenic	0.010	0.0010	0.045	0.0010	0.022	0.0010	0.052	0.0010	0.027	0.0010	0.015	0.0010	0.0010	0.011	0.0010	0.0010	0.015	0.0010	0.0071
	Barium	2.0	0.0025	0.19	0.0025	0.16	0.0025	0.16	0.0025	0.15	0.0025	0.15	0.0025	0.17	0.0025	0.14	0.0025	0.14	0.0025	0.19
	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	0.89	0.050	1.7	0.050	1.3	0.050	2.0	0.050	1.5	0.050	1.8	0.050	1.1	0.050	1.1	0.050	1.0
	Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	Chloride	200.0	10	91	2.0	66	2.0	65	2.0	60	2.0	60	10	120	10	83	10	83	10	130
	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	0.0023	0.0010	0.0017	0.0010	0.0021	0.0010	0.0021	0.0010	0.0020	0.0010	0.0010	0.0010	0.0018	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	0.71	0.10	0.66	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
	Iron	5.0	0.10	5.0	0.10	2.0	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
	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	0.013	6.6	0.025	5.5	0.050	7.8	0.025	5.9	0.025	4.1	0.025	3.6	0.025	3.9	0.025	4.2	0.025	4.0
	Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	0.0023	0.0020	0.0042	0.0020	0.0042	0.0020	0.0028	0.0020	0.0031	0.0020	0.0045	0.0020	0.0038	0.0020	0.0028	0.0020	0.0040
	Nitrogen/Nitrate	10.0	0.10	ND	0.10	ND	0.10	0.52	0.10	0.20	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	0.52	0.10	0.20	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	50	200	25	120	20	130	50	150	50	210	50	260	50	280	50	210	100	390
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
	Total Dissolved Solids	1,200	10	790	10	700	10	710	10	750	10	630	10	890	10	950	10	920	10	1100
	Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
	Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
	Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
	BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00086	0.0025	0.0041	0.0025	0.00058	0.0025	0.0019	0.0025	ND	0.0025	0.00053
	pH	6.5-9.0	NA	7.37	NA	7.55	NA	7.33	NA	7.25	NA	7.06	NA	7.25	NA	7.10	NA	7.08	NA	7.21
	Temperature	NA	NA	16.12	NA	10.59	NA	16.31	NA	20.65	NA	13.73	NA	11.68	NA	15.78	NA	24.68	NA	21.39
	Conductivity	NA	NA	1.34	NA	0.91	NA	1.17	NA	1.21	NA	0.95	NA	0.96	NA	1.13	NA	1.41	NA	1.32
	Dissolved Oxygen	NA	NA	0.71	NA	2.74	NA	1.62	NA	0.57	NA	0.85	NA	1.10	NA	2.65	NA	1.84	NA	2.86
	ORP	NA	NA	-126.3	NA	-110.5	NA	-146.8	NA	-115.3	NA	-107	NA	-100.5	NA	-123.5	NA	-115.7	NA	-93.7

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

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

• Median Value
 * - Densens Instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits.

Temperature
 Conductivity
 Dissolved Oxygen
 Oxygen Reduction Potential (ORP)

°C
 mg/cm³
 mg/L
 mV
 degrees Celsius
 milligrams/cm³
 milligrams/liter
 millivolts

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

Parameter	Standards	10/28/2014		2/24/2015		5/12/2015		8/19/2015		11/19/2015		2/26/2016		5/20/2016		8/18/2016		11/18/2016	
		DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Arsenic	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.0010	0.0019	0.0010	0.0034	0.0010	0.0025	0.0010	0.0025	0.0010	0.0033	0.0010	0.0020	0.0010	0.0045 FI	0.0010	0.0038	0.0010	0.013
Barium	2.0	0.0025	0.063	0.0025	0.071	0.0025	0.083	0.0025	0.083	0.0025	0.091	0.0025	0.060	0.0025	0.094	0.0025	0.092	0.0025	0.096
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	0.59	0.050	0.58	0.050	1.5	0.050	0.94	0.050	0.94	0.050	0.57	0.050	0.50	0.050	0.75	0.10	0.81
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	200	10	210	10	220	10	220	10	220	10	210	10	200 FI	10	210	10	180
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	0.54	0.10	0.58	0.10	0.52	0.10	0.59	0.10	0.58	0.10	0.41	0.10	0.48	0.10	0.53	0.10	0.53
Iron	5.0	0.10	0.33	0.10	1.7	0.10	0.48	0.10	2.2	0.10	0.61	0.10	0.88	0.10	1.2	0.10	1.5	0.10	2.2
Lead	0.0075	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.0025	1.2	0.0025	0.17	0.0025	0.63	0.0025	0.16	0.0025	1.2	0.0025	0.065	0.0025	0.51	0.0025	1.0	0.0025	0.96
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	0.020	0.0031	0.020	0.0031	0.020	0.0022	0.020	0.0020	0.020	0.0023	0.020	0.0020	0.020	0.020	0.020	0.0037	0.020	0.020
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	0.024	0.020	ND	0.020	ND	0.040	0.22	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 FI	0.0025	ND	0.0025	ND*
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	420	100	450	100	530	100	390	100	750	100	580	100	570	100	600	100	300
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1000	10	1300	10	1400	10	1300	10	1400	10	1300	10	1300	10	1700	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	ND	0.00050	ND	0.00050	0.0013	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0061	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5 - 9.0	NA	7.33	NA	7.49	NA	7.43	NA	7.43	NA	7.12	NA	7.96	NA	7.28	NA	7.06	NA	7.34
Temperature	NA	NA	16.37	NA	6.11	NA	18.19	NA	19.48	NA	14.85	NA	9.04	NA	13.14	NA	24.40	NA	17.01
Conductivity	NA	NA	1.55	NA	1.24	NA	1.76	NA	1.74	NA	1.59	NA	1.29	NA	1.55	NA	1.91	NA	1.39
Dissolved Oxygen	NA	NA	0.36	NA	1.29	NA	1.87	NA	1.13	NA	1.49	NA	1.31	NA	2.73	NA	2.81	NA	1.51
ORP	NA	NA	6.0	NA	-80.6	NA	-55.7	NA	-109.9	NA	36.6	NA	-134	NA	-91.4	NA	8.9	NA	-110.1

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

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

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

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

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

Parameter	Date		10/29/2014		2/26/2015		5/13/2015		8/19/2015		11/19/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016		
	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result		
Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	
Arsenic	0.010	0.0010	0.028	0.0010	0.033	0.0010	0.030	0.0010	0.027	0.0010	0.027	0.0010	0.027	0.0010	0.033	0.0010	0.027	0.0010	0.027	0.0010	
Barium	2.0	0.0025	0.24	0.0025	0.27	0.0025	0.25	0.0025	0.14	0.0025	0.14	0.0025	0.23	0.0025	0.12	0.0025	0.23	0.0025	0.23	0.0025	
Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	
Boron	2.0	0.050	2.2	0.050	3.5	0.050	3.6	0.050	3.2	0.050	3.2	0.050	3.7	0.050	2.9	0.050	3.0	0.050	3.0	0.050	
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	
Chloride	200.0	10	180	10	180	10	180	10	190	10	170	10	180	10	170	10	180	10	180	10	
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	
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	
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	
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	
Fluoride	4.0	0.10	0.40	0.10	0.37	0.10	0.34	0.10	0.34	0.10	0.37	0.10	0.38	0.10	0.36	0.10	0.35	0.10	0.35	0.10	
Iron	5.0	0.10	0.98	0.10	0.69	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	1.0	0.10	
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	
Manganese	0.15	0.0025	3.8	0.0025	3.8	0.0025	3.9	0.0025	4.7	0.0025	4.3	0.0025	4.5	0.0025	4.4	0.0025	4.9	0.0025	4.9	0.0025	
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	
Nickel	0.1	0.0020	0.0020	0.0020	0.0040	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	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	
Nitrogen/Nitrite	N/A	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	
Nitrogen/Nitrite	N/A	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	
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	0.0040	
Selenium	0.05	0.0025	0.0045	0.0025	ND	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	0.0043	0.0025	
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	
Sulfate	400.0	250	1400	250	1000	250	1100	250	1300	250	1700	250	1300	250	1200	250	1500	250	1500	250	
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	
Total Dissolved Solids	1200	10	2200	10	2300	10	2600	10	2500	10	2400	10	2600	10	2800	10	3100	10	3100	10	
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	
Zinc	5.0	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	ND	0.20	
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.001	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	
BTEX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0033	0.0025	ND	0.0025	0.00069	0.0025	ND	0.0025	ND	0.0025	
pH	6.5 - 9.0	N/A	7.72	N/A	8.20	N/A	7.99	N/A	8.03	N/A	7.57	N/A	7.67	N/A	7.60	N/A	7.53	N/A	7.53	N/A	7.65
Temperature	N/A	N/A	13.90	N/A	9.51	N/A	16.67	N/A	19.27	N/A	12.62	N/A	9.43	N/A	17.47	N/A	25.95	N/A	25.95	N/A	20.32
Conductivity	N/A	N/A	3.41	N/A	2.11	N/A	2.78	N/A	2.91	N/A	2.36	N/A	2.21	N/A	2.81	N/A	3.48	N/A	3.48	N/A	3.12
Dissolved Oxygen	N/A	N/A	0.84	N/A	1.60	N/A	1.10	N/A	1.20	N/A	0.96	N/A	1.56	N/A	1.02	N/A	1.79	N/A	1.79	N/A	1.13
ORP	N/A	N/A	-140.4	N/A	-161.4	N/A	-175.5	N/A	-153.2	N/A	-76.2	N/A	-137.5	N/A	-147.5	N/A	-195.8	N/A	-195.8	N/A	-81.0

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

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

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

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

degrees Celsius
 milligrams/liter
 millivolta

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

Parameter	Date		10/29/2014		2/26/2015		5/13/2015		8/19/2015		11/18/2015		2/24/2016		5/19/2016		8/18/2016		11/17/2016			
	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	
Arsenic	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	
Barium	0.010	0.0010	0.0063	0.0010	0.0017	0.0010	0.0020	0.0010	0.0020	0.0010	0.0020	0.0010	0.0024	0.0010	0.0027	0.0010	0.0010	0.0013	0.0010	0.0010	ND	
Beryllium	2.0	0.0025	0.045	0.0025	0.042	0.0025	0.069	0.0025	0.069	0.0025	0.053	0.0025	0.050	0.0025	0.050	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0065
Boron	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	ND
Bromine	2.0	0.50	2.2	0.25	1.7	0.25	1.9	0.25	1.9	0.25	2.5	0.25	2.3	0.25	2.2	0.25	0.25	1.5	0.25	0.25	1.8	
Cadmium	0.005	0.00050	ND	0.00050	0.00056	0.00050	0.00070	0.00050	0.00070	0.00050	0.00051	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00082	
Chloride	200.0	10	180	10	180	10	150	10	150	10	160	10	130	10	140	10	160	10	160	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	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	0.94	0.10	0.98	0.10	1.1	0.10	1.1	0.10	1.1	0.10	1.1	0.10	1.0	0.10	0.96	0.10	0.10	0.96	0.96	
Iron	5.0	0.10	5.3	0.10	0.17	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	0.10	0.10	0.18	
Lead	0.075	0.00050	0.00078	0.00050	0.00078	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	1.3	0.0025	0.15	0.0025	0.32	0.0025	0.32	0.0025	1.2	0.0025	0.70	0.0025	0.25	0.0025	0.26	0.0025	0.26	0.0025	0.81	
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	0.0030	0.0020	0.0036	0.0020	0.0043	0.0020	0.0043	0.0020	0.0030	0.0020	0.0035	0.0020	ND	0.0020	0.0029	0.0020	0.0020	0.0020	0.0038	
Nitrogen/Nitrate	10.0	0.10	ND	0.10	2.4	0.10	2.4	0.10	2.4	0.10	ND	0.10	ND	0.10	0.11	0.10	0.35	0.10	0.10	0.10	ND	
Nitrogen/Nitrate, Nitrite	N/A	0.10	ND	0.10	2.4	0.20	2.4	0.20	2.4	0.20	ND	0.20	ND	0.20	0.11	0.10	0.35	0.10	0.10	0.10	ND	
Nitrogen/Nitrite	N/A	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	
Perchlorate	0.0049	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	0.042	0.0025	0.042	0.0025	0.042	0.0025	ND	0.0025	0.0035	0.0025	0.0076	0.0025	0.023	0.0025	0.0025	0.0025	ND ^a	
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	
Sulfate	400.0	250	1300	250	1200	250	1000	250	1000	250	1200	250	730	250	650	250	1000	250	1000	250	1200	
Thallium	0.002	0.0020	ND	0.0020	0.0044	0.0020	0.0065	0.0020	0.0065	0.0020	0.0033	0.0020	0.0043	0.0020	0.0028	0.0020	0.0041	0.0020	0.0020	0.0048	0.0048	
Total Dissolved Solids	1,200	10	2200	10	2700	10	2400	10	2400	10	2100	10	1800	10	1800	10	2300	10	2300	10	2900	
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	ND	0.00050	ND	0.00050	0.0021	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	
BTEX	11.705	0.0025	ND	0.0025	ND	0.0025	0.00069	0.0025	0.00069	0.0025	0.0061	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	
pH	6.5 - 9.0	N/A	7.31	N/A	7.04	N/A	7.30	N/A	7.30	N/A	7.03	N/A	7.05	N/A	7.03	N/A	6.78	N/A	6.78	N/A	6.80	6.80
Temperature	N/A	N/A	14.66	N/A	16.35	N/A	21.01	N/A	21.01	N/A	17.89	N/A	10.84	N/A	16.54	N/A	22.91	N/A	22.91	N/A	17.82	17.82
Conductivity	N/A	N/A	3.49	N/A	2.98	N/A	2.90	N/A	2.90	N/A	2.62	N/A	1.81	N/A	2.02	N/A	2.53	N/A	2.53	N/A	2.86	2.86
Dissolved Oxygen	N/A	N/A	0.66	N/A	1.03	N/A	1.15	N/A	1.15	N/A	0.59	N/A	2.50	N/A	2.16	N/A	3.44	N/A	3.44	N/A	1.49	1.49
ORP	N/A	N/A	-105.4	N/A	9.8	N/A	-50.6	N/A	-50.6	N/A	67.6	N/A	-8.6	N/A	-13.5	N/A	-128.8	N/A	-128.8	N/A	5.1	5.1

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

DL - Detection Limit
N/A - Not Applicable
ND - Not Detected

° - Median Value
^ - Densest instrument related QC exceeds the control limits
Fl - MS and/or NIST Recovery outside of limits.

Temperature
Conductivity
Dissolved Oxygen
Oxygen Reduction Potential (ORP)

degrees Celsius
mS/cm
mg/L
mV

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

Parameter	Standards	10/28/2014		2/26/2015		5/14/2015		8/19/2015		11/18/2015		2/25/2016		5/19/2016		8/18/2016		11/17/2016	
		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	0.0017	0.0010	0.0024	0.0010	0.0020	0.0010	0.0020	0.0010	0.0032	0.0010	0.0019	0.0010	0.0019	0.0010	0.0018	0.0010	0.0011
Barium	2.0	0.0025	0.14	0.0025	0.12	0.0025	0.070	0.0025	0.070	0.0025	0.083	0.0025	0.059	0.0025	0.078	0.0025	0.045	0.0025	0.053
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	0.25	1.4	0.25	1.9	0.050	1.5	0.050	1.5	0.25	2.4	0.050	1.9	0.050	1.8	0.25	2.0
Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	200.0	10	230	10	230	10	110	10	200	10	200	10	110	10	230	10	170	10	180
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	0.71	0.10	0.64	0.10	0.57	0.10	0.52	0.10	0.52	0.10	0.63	0.10	0.52	0.10	0.56	0.10	0.53
Iron	5.0	0.10	2.1	0.10	0.28	0.10	0.44	0.10	0.17	0.10	1.8	0.10	0.11	0.10	0.64	0.10	0.81	0.10	0.22
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	0.87	0.0025	0.40	0.0025	0.18	0.0025	0.18	0.0025	1.3	0.0025	0.095	0.0025	0.59	0.0025	0.52	0.0025	0.19
Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND
Nickel	0.1	0.0020	0.0037	0.0020	0.0090	0.0020	0.010	0.0020	0.0057	0.0020	0.0082	0.0020	0.0076	0.0020	0.0089	0.0020	0.0055	0.0020	0.0063
Nitrogen/Nitrate	10.0	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17
Nitrogen/Nitrate, Nitrite	NA	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.34	0.10	ND	0.10	2.0	0.10	ND	0.10	ND	0.10	0.17
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	0.0030	0.0025	0.068	0.0025	0.013	0.0025	0.013	0.0025	0.0080	0.0025	0.042	0.0025	0.015	0.0025	ND	0.0025	0.017
Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	100	660	100	460	250	640	250	3500	250	3500	250	670	500	1100	100	620	130	570
Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	10	1600	10	1400	10	1900	10	2400	10	2400	10	1600	10	2800	10	1900	10	1900
Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.00073	0.0025	ND	0.0025	0.00054	0.0025	ND	0.0025	ND	0.0025	ND
pH	6.5-9.0	NA	7.36	NA	7.53	NA	7.07	NA	6.55	NA	6.55	NA	6.84	NA	6.83	NA	6.96	NA	6.91
Temperature	NA	NA	17.05	NA	7.93	NA	19.19	NA	15.04	NA	15.04	NA	11.00	NA	18.10	NA	23.69	NA	18.29
Conductivity	NA	NA	2.26	NA	1.41	NA	2.45	NA	2.55	NA	2.55	NA	1.73	NA	2.89	NA	2.52	NA	2.05
Dissolved Oxygen	NA	NA	0.45	NA	1.36	NA	1.51	NA	0.70	NA	0.70	NA	1.36	NA	2.53	NA	1.76	NA	3.28
ORP	NA	NA	-84.6	NA	-34.4	NA	-29.2	NA	31.9	NA	31.9	NA	22.8	NA	-0.2	NA	-60.6	NA	-27.3

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 - Decision Limit
 NA - Not Applicable
 ND - Not Detected

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

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

degrees Celsius
 milliamperes/centimeters
 milligrams/liter
 millivolts

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

Sample: MW-16	Parameter	Date		10/30/2014		2/24/2015		5/12/2015		8/18/2015		11/16/2015		2/24/2016		5/16/2016		8/19/2016		11/16/2016		
		Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
	Antimony	0.006	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	0.0030	ND	0.0030	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	0.0010	ND	0.0010	0.0010	ND	0.0010	ND	0.0010	ND
	Barium	2.0	0.0025	0.034	0.0025	0.038	0.0025	0.039	0.0025	0.039	0.0025	0.038	0.0025	0.0025	0.043	0.0025	0.043	0.0025	0.039	0.0025	0.041	0.041
	Beryllium	0.004	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0010	ND	0.0010	0.0010	ND	0.0010	ND	0.0010	ND
	Boron	2.0	0.050	0.14	0.050	0.17	0.050	0.15	0.050	0.25	0.050	1.0	0.050	0.63	0.050	0.19	0.050	0.19	0.050	0.18	0.050	0.18
	Cadmium	0.005	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	ND	0.00050	0.00050	ND	0.00050	ND	0.00050	ND
	Chloride	200.0	2.0	2.4	2.0	2.4	2.0	2.9	2.0	2.9	2.0	3.3	2.0	4.5	2.0	3.3	2.0	3.3	2.0	2.6	2.0	2.6
	Chromium	0.1	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	ND	0.0050	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	0.0010	ND	0.0010	0.0010	ND	0.0010	ND	0.0010	ND
	Copper	0.65	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	ND	0.0020	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	0.010	ND	0.010	0.010	ND	0.010	ND	0.010	ND
	Fluoride	4.0	0.10	0.10	0.10	0.10	0.10	0.11	0.10	0.10	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	0.10	ND	0.10	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	0.00050	ND	0.00050	0.00050	ND	0.00050	ND	0.00050	ND
	Manganese	0.15	0.0025	ND	0.0025	0.0025	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025	ND	0.0025	0.0025	ND	0.0025	ND	0.0025	0.0059
	Mercury	0.002	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	ND	0.00020	0.00020	ND	0.00020	0.00020	ND	0.00020	ND	0.00020	ND
	Nickel	0.1	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	ND	0.0020	0.0020	ND	0.0020	ND	0.0020	ND
	Nitrogen/Nitrate	10.0	0.10	28	0.10	28	0.10	24	0.10	19	0.10	17	0.10	16	0.10	16	0.10	22	0.10	25	0.10	27
	Nitrogen/Nitrate, Nitrite	NA	2.5	28	2.0	28	2.0	24	2.0	19	1.0	17	1.0	16	2.0	16	2.0	22	2.0	25	2.0	27
	Nitrogen/Nitrite	NA	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	ND	0.020	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	0.0040	ND	0.0040	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	0.0025	ND	0.0025	0.0025	ND	0.0025	ND	0.0025	ND
	Silver	0.05	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00050	ND	0.00050	0.00050	ND	0.00050	ND	0.00050	ND
	Sulfate	400.0	10	54	10	27	10	33	10	64	25	57	10	50	10	40	10	43	10	38	10	38
	Thallium	0.002	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	ND	0.0020	0.0020	ND	0.0020	ND	0.0020	ND
	Total Dissolved Solids	1,200	10	540	10	490	10	530	10	540	10	460	10	510	10	530	10	620	10	540	10	540
	Vanadium	0.049	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0050	ND	0.0050	0.0050	ND	0.0050	ND	0.0050	ND
	Zinc	5.0	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.020	ND	0.020	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	0.00050	ND	0.00050	0.00050	ND	0.00050	ND	0.00050	ND
	BETX	11.705	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0011	0.0025	0.0025	ND	0.0025	0.0025	0.0018	0.0025	ND	0.0025	ND
	pH	6.5 - 9.0	NA	7.30	NA	7.56	NA	7.35	NA	7.19	NA	6.78	NA	7.23	NA	7.13	NA	7.09	NA	6.93	NA	6.93
	Temperature	NA	NA	13.09	NA	8.21	NA	12.56	NA	19.75	NA	13.05	NA	9.13	NA	14.63	NA	22.11	NA	16.10	NA	16.10
	Conductivity	NA	NA	0.94	NA	0.57	NA	0.67	NA	0.80	NA	0.62	NA	0.59	NA	0.68	NA	0.80	NA	0.67	NA	0.67
	Dissolved Oxygen	NA	NA	2.05	NA	8.44	NA	7.97	NA	7.43	NA	7.61	NA	7.95	NA	8.26	NA	7.50	NA	6.51	NA	6.51
	ORP	NA	NA	-2.7	NA	95.6	NA	105.0	NA	-9.1	NA	188.1	NA	43.3	NA	57.0	NA	67.0	NA	17.0	NA	17.0

Notes: Standards obtained from IAC, Title 31, 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

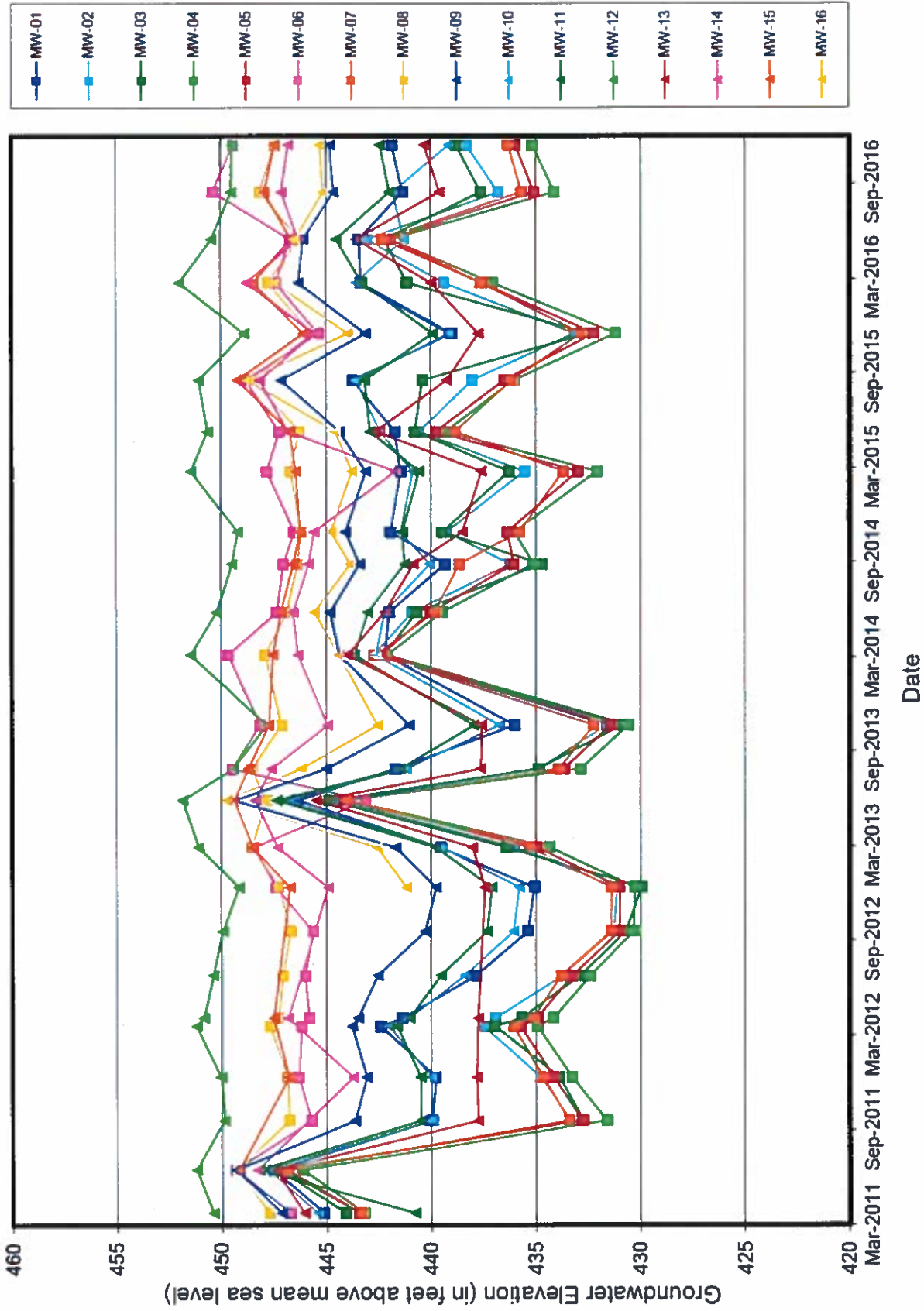
* - Median Value
 * - Denotes instrument related QC exceeds the control limits
 F1 - MS and/or MSD Recovery outside of limits.

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

ATTACHMENT 1
Hydrograph

Midwest Generation Powerton Station, Pekin, IL

Groundwater Elevation vs Time



ATTACHMENT 2
Analytical Data Package

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: 500-120174-1

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:

12/2/2016 1:28:23 PM

Eric Lang, Manager of Project Management

(708)534-5200

eric.lang@testamericainc.com

LINKS

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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_58185

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Case Narrative

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

TestAmerica Job ID: 500-120174-1

Job ID: 500-120174-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative 500-120174-1

Comments

No additional comments.

Receipt

The samples were received on 11/16/2016 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.4° C, 3.6° C and 4.8° C.

GC/MS VOA

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

Metals

Method(s) 6020A: The low level check standard recovery (CCVL) associated with batch 500-362994 recovered above the upper control limit for Selenium. The samples associated with this CCVL were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-04 (500-120174-3), MW-05 (500-120174-4), MW-08 (500-120174-5), DUPLICATE (500-120174-6), MW-01 (500-120174-7), MW-06 (500-120174-8), MW-07 (500-120174-9), MW-16 (500-120174-11), MW-11 (500-120174-13), MW-14 (500-120174-15) and MW-12 (500-120174-17).

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: 500-120174-1

Client Sample ID: MW-02

Lab Sample ID: 500-120174-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0015		0.0010		mg/L	1		6020A	Dissolved
Barium	0.057		0.0025		mg/L	1		6020A	Dissolved
Boron	0.15		0.050		mg/L	1		6020A	Dissolved
Sulfate	53		10		mg/L	2		9038	Dissolved
Chloride	39		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	4.5		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	470		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.19		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	4.5		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-03

Lab Sample ID: 500-120174-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.054		0.0025		mg/L	1		6020A	Dissolved
Boron	0.31		0.050		mg/L	1		6020A	Dissolved
Sulfate	46		10		mg/L	2		9038	Dissolved
Chloride	39		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	3.7		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	450		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.24		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	3.7		0.20		mg/L	2		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-04

Lab Sample ID: 500-120174-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.026		0.0025		mg/L	1		6020A	Dissolved
Boron	0.79		0.10		mg/L	2		6020A	Dissolved
Manganese	0.22		0.0025		mg/L	1		6020A	Dissolved
Sulfate	30		10		mg/L	2		9038	Dissolved
Chloride	53		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	510		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.27		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-05

Lab Sample ID: 500-120174-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.051		0.0025		mg/L	1		6020A	Dissolved
Boron	0.83		0.10		mg/L	2		6020A	Dissolved
Manganese	0.0040		0.0025		mg/L	1		6020A	Dissolved
Sulfate	94		25		mg/L	5		9038	Dissolved
Chloride	66		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.12		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	630		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.25		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.12		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-08

Lab Sample ID: 500-120174-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.068		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: 500-120174-1

Client Sample ID: MW-08 (Continued)

Lab Sample ID: 500-120174-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Boron	1.2		0.25		mg/L	5		6020A	Dissolved
Manganese	0.38		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0024		0.0020		mg/L	1		6020A	Dissolved
Sulfate	290		50		mg/L	10		9038	Dissolved
Chloride	300		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.44		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.36		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.44		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: DUPLICATE

Lab Sample ID: 500-120174-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.068		0.0025		mg/L	1		6020A	Dissolved
Boron	1.2		0.25		mg/L	5		6020A	Dissolved
Manganese	0.37		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0023		0.0020		mg/L	1		6020A	Dissolved
Sulfate	290		50		mg/L	10		9038	Dissolved
Chloride	290		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.36		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.35		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.36		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-01

Lab Sample ID: 500-120174-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.044		0.0025		mg/L	1		6020A	Dissolved
Boron	0.17		0.050		mg/L	1		6020A	Dissolved
Sulfate	55		10		mg/L	2		9038	Dissolved
Chloride	39		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	5.2		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	480		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.23		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	5.2		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-06

Lab Sample ID: 500-120174-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0022		0.0010		mg/L	1		6020A	Dissolved
Barium	0.090		0.0025		mg/L	1		6020A	Dissolved
Boron	0.36		0.050		mg/L	1		6020A	Dissolved
Iron	1.1		0.10		mg/L	1		6020A	Dissolved
Manganese	0.79		0.0025		mg/L	1		6020A	Dissolved
Sulfate	470		100		mg/L	20		9038	Dissolved
Chloride	180	F1	10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.50		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-07

Lab Sample ID: 500-120174-9

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: 500-120174-1

Client Sample ID: MW-07 (Continued)

Lab Sample ID: 500-120174-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.18		0.0010		mg/L	1		6020A	Dissolved
Barium	0.51		0.0025		mg/L	1		6020A	Dissolved
Boron	0.35		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0058		0.0010		mg/L	1		6020A	Dissolved
Iron	22		0.10		mg/L	1		6020A	Dissolved
Manganese	7.8		0.025		mg/L	10		6020A	Dissolved
Nickel	0.0055		0.0020		mg/L	1		6020A	Dissolved
Sulfate	27		10		mg/L	2		9038	Dissolved
Chloride	150		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.39		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-10

Lab Sample ID: 500-120174-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.17		0.0025		mg/L	1		6020A	Dissolved
Boron	0.37		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0016		0.0010		mg/L	1		6020A	Dissolved
Manganese	1.3		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0027		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.0032		0.0025		mg/L	1		6020A	Dissolved
Sulfate	62		10		mg/L	2		9038	Dissolved
Chloride	44		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.54		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	480		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.17		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.043		0.020		mg/L	1		SM 4500 NO2 B	Dissolved
Nitrogen, Nitrate Nitrite	0.58		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-16

Lab Sample ID: 500-120174-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.041		0.0025		mg/L	1		6020A	Dissolved
Boron	0.18		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0059		0.0025		mg/L	1		6020A	Dissolved
Sulfate	38		10		mg/L	2		9038	Dissolved
Chloride	26		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	27		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	540		10		mg/L	1		SM 2540C	Dissolved
Nitrogen, Nitrate Nitrite	27		2.0		mg/L	20		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-09

Lab Sample ID: 500-120174-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0025		mg/L	1		6020A	Dissolved
Boron	3.8		0.50		mg/L	10		6020A	Dissolved
Manganese	0.10		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0035		0.0025		mg/L	1		6020A	Dissolved
Sulfate	140		50		mg/L	10		9038	Dissolved
Chloride	38		2.0		mg/L	1		9251	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: 500-120174-1

Client Sample ID: MW-09 (Continued)

Lab Sample ID: 500-120174-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrogen, Nitrate	4.4		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	600		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.15		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	4.4		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-11

Lab Sample ID: 500-120174-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00053		0.00050		mg/L	1		8260B	Total/NA
Arsenic	0.0071		0.0010		mg/L	1		6020A	Dissolved
Barium	0.19		0.0025		mg/L	1		6020A	Dissolved
Boron	1.0		0.25		mg/L	5		6020A	Dissolved
Cobalt	0.0024		0.0010		mg/L	1		6020A	Dissolved
Iron	0.80		0.10		mg/L	1		6020A	Dissolved
Manganese	4.0		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0040		0.0020		mg/L	1		6020A	Dissolved
Sulfate	390		100		mg/L	20		9038	Dissolved
Chloride	130		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.45		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-13

Lab Sample ID: 500-120174-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.028		0.0010		mg/L	1		6020A	Dissolved
Barium	0.094		0.0025		mg/L	1		6020A	Dissolved
Boron	3.7		0.50		mg/L	10		6020A	Dissolved
Iron	0.96		0.10		mg/L	1		6020A	Dissolved
Manganese	5.0		0.0025		mg/L	1		6020A	Dissolved
Sulfate	1700		500		mg/L	100		9038	Dissolved
Chloride	160		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	3400		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.34		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-14

Lab Sample ID: 500-120174-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.065		0.0025		mg/L	1		6020A	Dissolved
Boron	1.8		0.25		mg/L	5		6020A	Dissolved
Cadmium	0.00082		0.00050		mg/L	1		6020A	Dissolved
Iron	0.18		0.10		mg/L	1		6020A	Dissolved
Manganese	0.81		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0038		0.0020		mg/L	1		6020A	Dissolved
Thallium	0.0048		0.0020		mg/L	1		6020A	Dissolved
Sulfate	1200		250		mg/L	50		9038	Dissolved
Chloride	170		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	2900		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.96		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-15

Lab Sample ID: 500-120174-16

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: 500-120174-1

Client Sample ID: MW-15 (Continued)

Lab Sample ID: 500-120174-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Dissolved
Barium	0.053		0.0025		mg/L	1		6020A	Dissolved
Boron	2.0		0.25		mg/L	5		6020A	Dissolved
Iron	0.22		0.10		mg/L	1		6020A	Dissolved
Manganese	0.19		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0063		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.017		0.0025		mg/L	1		6020A	Dissolved
Sulfate	570		130		mg/L	25		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.17		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	1900		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.53		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.17		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-12

Lab Sample ID: 500-120174-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013		0.0010		mg/L	1		6020A	Dissolved
Barium	0.096		0.0025		mg/L	1		6020A	Dissolved
Boron	0.81		0.10		mg/L	2		6020A	Dissolved
Iron	2.2		0.10		mg/L	1		6020A	Dissolved
Manganese	0.96		0.0025		mg/L	1		6020A	Dissolved
Sulfate	300		100		mg/L	20		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.53		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: Trip Blank

Lab Sample ID: 500-120174-18

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: 500-120174-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

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

TestAmerica Chicago

Sample Summary

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

TestAmerica Job ID: 500-120174-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-120174-1	MW-02	Water	11/15/16 09:02	11/16/16 08:50
500-120174-2	MW-03	Water	11/15/16 10:20	11/16/16 08:50
500-120174-3	MW-04	Water	11/15/16 11:30	11/16/16 08:50
500-120174-4	MW-05	Water	11/15/16 12:52	11/16/16 08:50
500-120174-5	MW-08	Water	11/15/16 14:51	11/16/16 08:50
500-120174-6	DUPLICATE	Water	11/15/16 00:00	11/16/16 08:50
500-120174-7	MW-01	Water	11/16/16 14:32	11/17/16 09:25
500-120174-8	MW-06	Water	11/16/16 09:55	11/17/16 09:25
500-120174-9	MW-07	Water	11/16/16 11:50	11/17/16 09:25
500-120174-10	MW-10	Water	11/16/16 13:02	11/17/16 09:25
500-120174-11	MW-16	Water	11/16/16 16:01	11/17/16 09:25
500-120174-12	MW-09	Water	11/17/16 09:47	11/18/16 08:45
500-120174-13	MW-11	Water	11/17/16 12:01	11/18/16 08:45
500-120174-14	MW-13	Water	11/17/16 13:45	11/18/16 08:45
500-120174-15	MW-14	Water	11/17/16 15:21	11/18/16 08:45
500-120174-16	MW-15	Water	11/17/16 16:40	11/18/16 08:45
500-120174-17	MW-12	Water	11/18/16 13:20	11/18/16 19:50
500-120174-18	Trip Blank	Water	11/18/16 00:00	11/18/16 19:50

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-02

Lab Sample ID: 500-120174-1

Date Collected: 11/15/16 09:02

Matrix: Water

Date Received: 11/16/16 08:50

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			11/23/16 02:32	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 02:32	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 02:32	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 02:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 02:32	1
Toluene-d8 (Surr)	99		75 - 120					11/23/16 02:32	1
4-Bromofluorobenzene (Surr)	104		71 - 120					11/23/16 02:32	1
Dibromofluoromethane	94		70 - 120					11/23/16 02:32	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 14:40	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		11/29/16 14:36	11/30/16 10:52	1
Arsenic	0.0015		0.0010		mg/L		11/29/16 14:36	11/30/16 10:52	1
Barium	0.057		0.0025		mg/L		11/29/16 14:36	11/30/16 10:52	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:52	1
Boron	0.15		0.050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:52	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:52	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 10:52	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Manganese	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:52	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:52	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:52	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:52	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:52	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 10:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:57	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:13	1
Sulfate	53		10		mg/L			11/23/16 10:40	2
Chloride	39		2.0		mg/L			11/20/16 23:07	1
Nitrogen, Nitrate	4.5		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	470		10		mg/L			11/21/16 02:16	1
Fluoride	0.19		0.10		mg/L			11/19/16 17:33	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:43	1
Nitrogen, Nitrate Nitrite	4.5		0.50		mg/L			11/22/16 21:17	5

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-03

Date Collected: 11/15/16 10:20

Date Received: 11/16/16 08:50

Lab Sample ID: 500-120174-2

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			11/23/16 02:59	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 02:59	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 02:59	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		71 - 127					11/23/16 02:59	1
Toluene-d8 (Surr)	99		75 - 120					11/23/16 02:59	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 02:59	1
Dibromofluoromethane	96		70 - 120					11/23/16 02:59	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 15:38	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		11/29/16 14:36	11/30/16 10:56	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:56	1
Barium	0.054		0.0025		mg/L		11/29/16 14:36	11/30/16 10:56	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:56	1
Boron	0.31		0.050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:56	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:56	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 10:56	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Manganese	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:56	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:56	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:56	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:56	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:56	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 10:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:58	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:13	1
Sulfate	46		10		mg/L			11/23/16 10:41	2
Chloride	39		2.0		mg/L			11/20/16 23:08	1
Nitrogen, Nitrate	3.7		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	450		10		mg/L			11/21/16 02:30	1
Fluoride	0.24		0.10		mg/L			11/19/16 17:44	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:43	1
Nitrogen, Nitrate Nitrite	3.7		0.20		mg/L			11/22/16 21:19	2

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-04

Lab Sample ID: 500-120174-3

Date Collected: 11/15/16 11:30

Matrix: Water

Date Received: 11/16/16 08:50

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			11/23/16 03:26	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 03:26	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 03:26	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 03:26	1
Toluene-d8 (Surr)	101		75 - 120					11/23/16 03:26	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 03:26	1
Dibromofluoromethane	95		70 - 120					11/23/16 03:26	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 15:58	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		11/29/16 14:36	11/30/16 12:11	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:11	1
Barium	0.026		0.0025		mg/L		11/29/16 14:36	11/30/16 12:11	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:11	1
Boron	0.79		0.10		mg/L		11/29/16 14:36	11/30/16 11:14	2
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:11	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:11	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:11	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:11	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 12:11	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:11	1
Manganese	0.22		0.0025		mg/L		11/29/16 14:36	11/30/16 12:11	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:11	1
Selenium	<0.0025	^	0.0025		mg/L		11/29/16 14:36	11/30/16 12:11	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:11	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:11	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:11	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:00	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:13	1
Sulfate	30		10		mg/L			11/23/16 10:42	2
Chloride	53		2.0		mg/L			11/20/16 23:40	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	510		10		mg/L			11/21/16 02:34	1
Fluoride	0.27		0.10		mg/L			11/19/16 17:47	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:43	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:21	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-05

Lab Sample ID: 500-120174-4

Date Collected: 11/15/16 12:52

Matrix: Water

Date Received: 11/16/16 08:50

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			11/23/16 03:53	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 03:53	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 03:53	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 03:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 03:53	1
Toluene-d8 (Surr)	97		75 - 120					11/23/16 03:53	1
4-Bromofluorobenzene (Surr)	105		71 - 120					11/23/16 03:53	1
Dibromofluoromethane	93		70 - 120					11/23/16 03:53	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/29/16 14:36	11/30/16 12:15	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:15	1
Barium	0.051		0.0025		mg/L		11/29/16 14:36	11/30/16 12:15	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:15	1
Boron	0.83		0.10		mg/L		11/29/16 14:36	11/30/16 11:18	2
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:15	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:15	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:15	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:15	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 12:15	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:15	1
Manganese	0.0040		0.0025		mg/L		11/29/16 14:36	11/30/16 12:15	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:15	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 12:15	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:15	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:15	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:15	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:15	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:01	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:14	1
Sulfate	94		25		mg/L			11/23/16 10:43	5
Chloride	66		2.0		mg/L			11/20/16 23:41	1
Nitrogen, Nitrate	0.12		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	630		10		mg/L			11/21/16 02:38	1
Fluoride	0.25		0.10		mg/L			11/19/16 17:50	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:44	1
Nitrogen, Nitrate Nitrite	0.12		0.10		mg/L			11/22/16 21:24	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-08

Lab Sample ID: 500-120174-5

Date Collected: 11/15/16 14:51

Matrix: Water

Date Received: 11/16/16 08:50

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			11/23/16 04:20	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 04:20	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 04:20	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 04:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		71 - 127					11/23/16 04:20	1
Toluene-d8 (Surr)	100		75 - 120					11/23/16 04:20	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 04:20	1
Dibromofluoromethane	93		70 - 120					11/23/16 04:20	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 16:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/29/16 14:36	11/30/16 12:18	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:18	1
Barium	0.068		0.0025		mg/L		11/29/16 14:36	11/30/16 12:18	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:18	1
Boron	1.2		0.25		mg/L		11/29/16 14:36	11/30/16 11:29	5
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:18	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:18	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:18	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:18	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 12:18	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:18	1
Manganese	0.38		0.0025		mg/L		11/29/16 14:36	11/30/16 12:18	1
Nickel	0.0024		0.0020		mg/L		11/29/16 14:36	11/30/16 12:18	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 12:18	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:18	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:18	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:18	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:03	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:14	1
Sulfate	290		50		mg/L			11/23/16 10:44	10
Chloride	300		10		mg/L			11/20/16 23:10	5
Nitrogen, Nitrate	0.44		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1300		10		mg/L			11/21/16 02:43	1
Fluoride	0.36		0.10		mg/L			11/19/16 17:53	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:44	1
Nitrogen, Nitrate Nitrite	0.44		0.10		mg/L			11/22/16 21:26	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: DUPLICATE

Lab Sample ID: 500-120174-6

Date Collected: 11/15/16 00:00

Matrix: Water

Date Received: 11/16/16 08:50

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			11/23/16 04:46	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 04:46	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 04:46	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 04:46	1
Toluene-d8 (Surr)	97		75 - 120					11/23/16 04:46	1
4-Bromofluorobenzene (Surr)	102		71 - 120					11/23/16 04:46	1
Dibromofluoromethane	95		70 - 120					11/23/16 04:46	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 16:56	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		11/29/16 14:36	11/30/16 12:22	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:22	1
Barium	0.068		0.0025		mg/L		11/29/16 14:36	11/30/16 12:22	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:22	1
Boron	1.2		0.25		mg/L		11/29/16 14:36	11/30/16 11:33	5
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:22	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:22	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:22	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:22	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 12:22	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:22	1
Manganese	0.37		0.0025		mg/L		11/29/16 14:36	11/30/16 12:22	1
Nickel	0.0023		0.0020		mg/L		11/29/16 14:36	11/30/16 12:22	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 12:22	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:22	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:22	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:22	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:07	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:16	1
Sulfate	290		50		mg/L			11/28/16 04:41	10
Chloride	290		10		mg/L			11/20/16 23:11	5
Nitrogen, Nitrate	0.36		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1300		10		mg/L			11/21/16 02:47	1
Fluoride	0.35		0.10		mg/L			11/19/16 17:56	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/16/16 15:45	1
Nitrogen, Nitrate Nitrite	0.36		0.10		mg/L			11/22/16 21:28	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-01

Lab Sample ID: 500-120174-7

Date Collected: 11/16/16 14:32

Matrix: Water

Date Received: 11/17/16 09:25

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			11/23/16 05:13	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 05:13	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 05:13	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 05:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		71 - 127					11/23/16 05:13	1
Toluene-d8 (Surr)	97		75 - 120					11/23/16 05:13	1
4-Bromofluorobenzene (Surr)	102		71 - 120					11/23/16 05:13	1
Dibromofluoromethane	96		70 - 120					11/23/16 05:13	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 17:54	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		11/29/16 14:36	11/30/16 12:26	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:26	1
Barium	0.044		0.0025		mg/L		11/29/16 14:36	11/30/16 12:26	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:26	1
Boron	0.17		0.050		mg/L		11/29/16 14:36	11/30/16 15:23	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:26	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:26	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:26	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:26	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 12:26	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:26	1
Manganese	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 12:26	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:26	1
Selenium	<0.0025	^	0.0025		mg/L		11/29/16 14:36	11/30/16 12:26	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:26	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:26	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:26	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:26	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:16	1
Sulfate	55		10		mg/L			11/28/16 04:46	2
Chloride	39		2.0		mg/L			11/20/16 23:15	1
Nitrogen, Nitrate	5.2		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	480		10		mg/L			11/21/16 02:52	1
Fluoride	0.23		0.10		mg/L			11/19/16 17:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/17/16 18:08	1
Nitrogen, Nitrate Nitrite	5.2		0.50		mg/L			11/22/16 21:30	5

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-06

Lab Sample ID: 500-120174-8

Date Collected: 11/16/16 09:55

Matrix: Water

Date Received: 11/17/16 09:25

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			11/23/16 05:40	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 05:40	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 05:40	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127					11/23/16 05:40	1
Toluene-d8 (Surr)	102		75 - 120					11/23/16 05:40	1
4-Bromofluorobenzene (Surr)	104		71 - 120					11/23/16 05:40	1
Dibromofluoromethane	95		70 - 120					11/23/16 05:40	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/29/16 14:36	11/30/16 12:30	1
Arsenic	0.0022		0.0010		mg/L		11/29/16 14:36	11/30/16 12:30	1
Barium	0.090		0.0025		mg/L		11/29/16 14:36	11/30/16 12:30	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:30	1
Boron	0.36		0.050		mg/L		11/29/16 14:36	11/30/16 15:26	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:30	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:30	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 12:30	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:30	1
Iron	1.1		0.10		mg/L		11/29/16 14:36	11/30/16 12:30	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:30	1
Manganese	0.79		0.0025		mg/L		11/29/16 14:36	11/30/16 12:30	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:30	1
Selenium	<0.0025	^	0.0025		mg/L		11/29/16 14:36	11/30/16 12:30	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 12:30	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 12:30	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 12:30	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 12:30	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:17	1
Sulfate	470		100		mg/L			11/28/16 04:47	20
Chloride	180	F1	10		mg/L			11/20/16 23:16	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1100		10		mg/L			11/21/16 02:56	1
Fluoride	0.50		0.10		mg/L			11/19/16 18:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/17/16 18:09	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:32	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-07

Lab Sample ID: 500-120174-9

Date Collected: 11/16/16 11:50

Matrix: Water

Date Received: 11/17/16 09:25

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			11/23/16 06:07	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 06:07	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 06:07	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 06:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		71 - 127					11/23/16 06:07	1
Toluene-d8 (Surr)	99		75 - 120					11/23/16 06:07	1
4-Bromofluorobenzene (Surr)	102		71 - 120					11/23/16 06:07	1
Dibromofluoromethane	94		70 - 120					11/23/16 06:07	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 18:33	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		11/29/16 14:37	11/30/16 12:33	1
Arsenic	0.18		0.0010		mg/L		11/29/16 14:37	11/30/16 12:33	1
Barium	0.51		0.0025		mg/L		11/29/16 14:37	11/30/16 12:33	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:33	1
Boron	0.35		0.050		mg/L		11/29/16 14:37	11/30/16 15:30	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:33	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:33	1
Cobalt	0.0058		0.0010		mg/L		11/29/16 14:37	11/30/16 12:33	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:33	1
Iron	22		0.10		mg/L		11/29/16 14:37	11/30/16 12:33	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:33	1
Manganese	7.8		0.025		mg/L		11/29/16 14:37	11/30/16 13:15	10
Nickel	0.0055		0.0020		mg/L		11/29/16 14:37	11/30/16 12:33	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:37	11/30/16 12:33	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:33	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:33	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:33	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 12:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:17	1
Sulfate	27		10		mg/L			11/28/16 04:48	2
Chloride	150		10		mg/L			11/20/16 23:18	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1200		10		mg/L			11/21/16 03:01	1
Fluoride	0.39		0.10		mg/L			11/19/16 18:04	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/17/16 18:10	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:38	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-10

Lab Sample ID: 500-120174-10

Date Collected: 11/16/16 13:02

Matrix: Water

Date Received: 11/17/16 09:25

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			11/23/16 06:34	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 06:34	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 06:34	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 06:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127					11/23/16 06:34	1
Toluene-d8 (Surr)	98		75 - 120					11/23/16 06:34	1
4-Bromofluorobenzene (Surr)	104		71 - 120					11/23/16 06:34	1
Dibromofluoromethane	94		70 - 120					11/23/16 06:34	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 18:52	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		11/29/16 14:37	11/30/16 12:37	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:37	1
Barium	0.17		0.0025		mg/L		11/29/16 14:37	11/30/16 12:37	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:37	1
Boron	0.37		0.050		mg/L		11/29/16 14:37	11/30/16 15:34	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:37	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:37	1
Cobalt	0.0016		0.0010		mg/L		11/29/16 14:37	11/30/16 12:37	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:37	1
Iron	<0.10		0.10		mg/L		11/29/16 14:37	11/30/16 12:37	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:37	1
Manganese	1.3		0.0025		mg/L		11/29/16 14:37	11/30/16 12:37	1
Nickel	0.0027		0.0020		mg/L		11/29/16 14:37	11/30/16 12:37	1
Selenium	0.0032		0.0025		mg/L		11/29/16 14:37	11/30/16 15:34	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:37	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:37	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:37	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 12:37	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:16	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:17	1
Sulfate	62		10		mg/L			11/28/16 04:49	2
Chloride	44		2.0		mg/L			11/20/16 23:18	1
Nitrogen, Nitrate	0.54		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	480		10		mg/L			11/21/16 03:05	1
Fluoride	0.17		0.10		mg/L			11/19/16 18:07	1
Nitrogen, Nitrite	0.043		0.020		mg/L			11/17/16 18:10	1
Nitrogen, Nitrate Nitrite	0.58		0.10		mg/L			11/22/16 21:41	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-16

Lab Sample ID: 500-120174-11

Date Collected: 11/16/16 16:01

Matrix: Water

Date Received: 11/17/16 09:25

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			11/23/16 07:00	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 07:00	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 07:00	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 07:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 127					11/23/16 07:00	1
Toluene-d8 (Surr)	98		75 - 120					11/23/16 07:00	1
4-Bromofluorobenzene (Surr)	104		71 - 120					11/23/16 07:00	1
Dibromofluoromethane	96		70 - 120					11/23/16 07:00	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 19:12	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		11/29/16 14:37	11/30/16 12:41	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:41	1
Barium	0.041		0.0025		mg/L		11/29/16 14:37	11/30/16 12:41	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:41	1
Boron	0.18		0.050		mg/L		11/29/16 14:37	11/30/16 15:38	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:41	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:41	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:41	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:41	1
Iron	<0.10		0.10		mg/L		11/29/16 14:37	11/30/16 12:41	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:41	1
Manganese	0.0059		0.0025		mg/L		11/29/16 14:37	11/30/16 12:41	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:41	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:37	11/30/16 12:41	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:41	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:41	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:41	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 12:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:17	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:18	1
Sulfate	38		10		mg/L			11/28/16 04:50	2
Chloride	26		2.0		mg/L			11/20/16 23:19	1
Nitrogen, Nitrate	27		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	540		10		mg/L			11/21/16 03:09	1
Fluoride	<0.10		0.10		mg/L			11/19/16 18:10	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/17/16 18:10	1
Nitrogen, Nitrate Nitrite	27		2.0		mg/L			11/22/16 22:20	20

TestAmerica Chicago

MWG13-15_58205
12/2/2016

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-09

Lab Sample ID: 500-120174-12

Date Collected: 11/17/16 09:47

Matrix: Water

Date Received: 11/18/16 08:45

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			11/23/16 07:27	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 07:27	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 07:27	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 07:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 07:27	1
Toluene-d8 (Surr)	97		75 - 120					11/23/16 07:27	1
4-Bromofluorobenzene (Surr)	102		71 - 120					11/23/16 07:27	1
Dibromofluoromethane	95		70 - 120					11/23/16 07:27	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 19:31	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		11/29/16 14:37	11/30/16 12:45	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:45	1
Barium	0.037		0.0025		mg/L		11/29/16 14:37	11/30/16 12:45	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:45	1
Boron	3.8		0.50		mg/L		11/29/16 14:37	11/30/16 11:37	10
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:45	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:45	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:45	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:45	1
Iron	<0.10		0.10		mg/L		11/29/16 14:37	11/30/16 12:45	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:45	1
Manganese	0.10		0.0025		mg/L		11/29/16 14:37	11/30/16 12:45	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:45	1
Selenium	0.0035		0.0025		mg/L		11/29/16 14:37	11/30/16 17:00	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:45	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:45	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:45	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 12:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:19	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:18	1
Sulfate	140		50		mg/L			11/28/16 04:51	10
Chloride	38		2.0		mg/L			11/20/16 23:19	1
Nitrogen, Nitrate	4.4		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	600		10		mg/L			11/21/16 03:14	1
Fluoride	0.15		0.10		mg/L			11/19/16 18:21	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/18/16 20:31	1
Nitrogen, Nitrate Nitrite	4.4		0.50		mg/L			11/22/16 22:20	5

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-11

Lab Sample ID: 500-120174-13

Date Collected: 11/17/16 12:01

Matrix: Water

Date Received: 11/18/16 08:45

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			11/23/16 07:54	1
Toluene	0.00053		0.00050		mg/L			11/23/16 07:54	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 07:54	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 07:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127					11/23/16 07:54	1
Toluene-d8 (Surr)	98		75 - 120					11/23/16 07:54	1
4-Bromofluorobenzene (Surr)	106		71 - 120					11/23/16 07:54	1
Dibromofluoromethane	96		70 - 120					11/23/16 07:54	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 19:51	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		11/29/16 14:37	11/30/16 12:56	1
Arsenic	0.0071		0.0010		mg/L		11/29/16 14:37	11/30/16 12:56	1
Barium	0.19		0.0025		mg/L		11/29/16 14:37	11/30/16 12:56	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 12:56	1
Boron	1.0		0.25		mg/L		11/29/16 14:37	11/30/16 11:41	5
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:56	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:56	1
Cobalt	0.0024		0.0010		mg/L		11/29/16 14:37	11/30/16 12:56	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:56	1
Iron	0.80		0.10		mg/L		11/29/16 14:37	11/30/16 12:56	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:56	1
Manganese	4.0		0.0025		mg/L		11/29/16 14:37	11/30/16 12:56	1
Nickel	0.0040		0.0020		mg/L		11/29/16 14:37	11/30/16 12:56	1
Selenium	<0.0025	A	0.0025		mg/L		11/29/16 14:37	11/30/16 12:56	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 12:56	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 12:56	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 12:56	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 12:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:20	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:19	1
Sulfate	390		100		mg/L			11/28/16 04:54	20
Chloride	130		10		mg/L			11/20/16 23:20	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1100		10		mg/L			11/21/16 03:18	1
Fluoride	0.45		0.10		mg/L			11/19/16 18:24	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/18/16 20:31	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:47	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-13

Lab Sample ID: 500-120174-14

Date Collected: 11/17/16 13:45

Matrix: Water

Date Received: 11/18/16 08:45

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			11/23/16 08:21	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 08:21	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 08:21	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 08:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		71 - 127					11/23/16 08:21	1
Toluene-d8 (Surr)	97		75 - 120					11/23/16 08:21	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 08:21	1
Dibromofluoromethane	98		70 - 120					11/23/16 08:21	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 20:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		11/29/16 14:37	11/30/16 13:00	1
Arsenic	0.028		0.0010		mg/L		11/29/16 14:37	11/30/16 13:00	1
Barium	0.094		0.0025		mg/L		11/29/16 14:37	11/30/16 13:00	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:00	1
Boron	3.7		0.50		mg/L		11/29/16 14:37	11/30/16 11:44	10
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:00	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:00	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:00	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:00	1
Iron	0.96		0.10		mg/L		11/29/16 14:37	11/30/16 13:00	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:00	1
Manganese	5.0		0.0025		mg/L		11/29/16 14:37	11/30/16 13:00	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:00	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:37	11/30/16 17:03	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:00	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:00	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:00	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 13:00	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:22	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/25/16 13:20	11/25/16 19:11	1
Sulfate	1700		500		mg/L			11/28/16 04:55	100
Chloride	160		10		mg/L			11/20/16 23:22	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	3400		10		mg/L			11/21/16 03:23	1
Fluoride	0.34		0.10		mg/L			11/19/16 18:27	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/18/16 20:32	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:49	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-14

Lab Sample ID: 500-120174-15

Date Collected: 11/17/16 15:21

Matrix: Water

Date Received: 11/18/16 08:45

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			11/23/16 13:58	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 13:58	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 13:58	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		71 - 127		11/23/16 13:58	1
Toluene-d8 (Surr)	99		75 - 120		11/23/16 13:58	1
4-Bromofluorobenzene (Surr)	102		71 - 120		11/23/16 13:58	1
Dibromofluoromethane	93		70 - 120		11/23/16 13:58	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 20:29	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		11/29/16 14:37	11/30/16 13:04	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:04	1
Barium	0.065		0.0025		mg/L		11/29/16 14:37	11/30/16 13:04	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:04	1
Boron	1.8		0.25		mg/L		11/29/16 14:37	11/30/16 11:48	5
Cadmium	0.00082		0.00050		mg/L		11/29/16 14:37	11/30/16 13:04	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:04	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:04	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:04	1
Iron	0.18		0.10		mg/L		11/29/16 14:37	11/30/16 13:04	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:04	1
Manganese	0.81		0.0025		mg/L		11/29/16 14:37	11/30/16 13:04	1
Nickel	0.0038		0.0020		mg/L		11/29/16 14:37	11/30/16 13:04	1
Selenium	<0.0025	^	0.0025		mg/L		11/29/16 14:37	11/30/16 13:04	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:04	1
Thallium	0.0048		0.0020		mg/L		11/29/16 14:37	11/30/16 13:04	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:04	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 13:04	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:23	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/25/16 13:20	11/25/16 19:13	1
Sulfate	1200		250		mg/L			11/29/16 06:58	50
Chloride	170		10		mg/L			11/20/16 23:22	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	2900		10		mg/L			11/21/16 03:27	1
Fluoride	0.96		0.10		mg/L			11/19/16 18:29	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/18/16 20:32	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:51	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-15

Lab Sample ID: 500-120174-16

Date Collected: 11/17/16 16:40

Matrix: Water

Date Received: 11/18/16 08:45

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			11/23/16 14:24	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 14:24	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 14:24	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 14:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 127					11/23/16 14:24	1
Toluene-d8 (Surr)	100		75 - 120					11/23/16 14:24	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 14:24	1
Dibromofluoromethane	93		70 - 120					11/23/16 14:24	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 20:49	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		11/29/16 14:37	11/30/16 13:08	1
Arsenic	0.0011		0.0010		mg/L		11/29/16 14:37	11/30/16 13:08	1
Barium	0.053		0.0025		mg/L		11/29/16 14:37	11/30/16 13:08	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:08	1
Boron	2.0		0.25		mg/L		11/29/16 14:37	11/30/16 11:52	5
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:08	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:08	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:08	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:08	1
Iron	0.22		0.10		mg/L		11/29/16 14:37	11/30/16 13:08	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:08	1
Manganese	0.19		0.0025		mg/L		11/29/16 14:37	11/30/16 13:08	1
Nickel	0.0063		0.0020		mg/L		11/29/16 14:37	11/30/16 13:08	1
Selenium	0.017		0.0025		mg/L		11/29/16 14:37	11/30/16 17:06	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:08	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:08	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:08	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 13:08	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/25/16 13:20	11/25/16 19:13	1
Sulfate	570		130		mg/L			11/29/16 06:59	25
Chloride	180		10		mg/L			11/20/16 23:23	5
Nitrogen, Nitrate	0.17		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1900		10		mg/L			11/21/16 03:31	1
Fluoride	0.53		0.10		mg/L			11/19/16 18:32	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/18/16 20:32	1
Nitrogen, Nitrate Nitrite	0.17		0.10		mg/L			11/22/16 21:55	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-12
Date Collected: 11/18/16 13:20
Date Received: 11/18/16 19:50

Lab Sample ID: 500-120174-17
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			11/23/16 14:50	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 14:50	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 14:50	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 14:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		71 - 127					11/23/16 14:50	1
Toluene-d8 (Surr)	98		75 - 120					11/23/16 14:50	1
4-Bromofluorobenzene (Surr)	103		71 - 120					11/23/16 14:50	1
Dibromofluoromethane	93		70 - 120					11/23/16 14:50	1

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 21:47	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		11/29/16 14:37	11/30/16 13:11	1
Arsenic	0.013		0.0010		mg/L		11/29/16 14:37	11/30/16 13:11	1
Barium	0.096		0.0025		mg/L		11/29/16 14:37	11/30/16 13:11	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:11	1
Boron	0.81		0.10		mg/L		11/29/16 14:37	11/30/16 11:56	2
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:11	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:11	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:37	11/30/16 13:11	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:11	1
Iron	2.2		0.10		mg/L		11/29/16 14:37	11/30/16 13:11	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:11	1
Manganese	0.96		0.0025		mg/L		11/29/16 14:37	11/30/16 13:11	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:11	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:37	11/30/16 13:11	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:37	11/30/16 13:11	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:37	11/30/16 13:11	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:37	11/30/16 13:11	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:37	11/30/16 13:11	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 13:26	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/25/16 13:20	11/25/16 19:13	1
Sulfate	300		100		mg/L			11/29/16 07:00	20
Chloride	180		10		mg/L			11/20/16 23:23	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			11/29/16 08:42	1
Total Dissolved Solids	1300		10		mg/L			11/21/16 03:36	1
Fluoride	0.53		0.10		mg/L			11/19/16 18:35	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			11/19/16 15:58	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			11/22/16 21:58	1

TestAmerica Chicago

Client Sample Results

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-120174-18

Date Collected: 11/18/16 00:00

Matrix: Water

Date Received: 11/18/16 19:50

Method: 8260B - Volatile Organic Compounds (GC/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			11/23/16 01:39	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 01:39	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 01:39	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		71 - 127					11/23/16 01:39	1
Toluene-d8 (Surr)	99		75 - 120					11/23/16 01:39	1
4-Bromofluorobenzene (Surr)	101		71 - 120					11/23/16 01:39	1
Dibromofluoromethane	93		70 - 120					11/23/16 01:39	1

TestAmerica Chicago

Definitions/Glossary

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

TestAmerica Job ID: 500-120174-1

Qualifiers

Metals

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

General Chemistry

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

Glossary

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

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

GC/MS VOA

Analysis Batch: 362066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Total/NA	Water	8260B	
500-120174-2	MW-03	Total/NA	Water	8260B	
500-120174-3	MW-04	Total/NA	Water	8260B	
500-120174-4	MW-05	Total/NA	Water	8260B	
500-120174-5	MW-08	Total/NA	Water	8260B	
500-120174-6	DUPLICATE	Total/NA	Water	8260B	
500-120174-7	MW-01	Total/NA	Water	8260B	
500-120174-8	MW-06	Total/NA	Water	8260B	
500-120174-9	MW-07	Total/NA	Water	8260B	
500-120174-10	MW-10	Total/NA	Water	8260B	
500-120174-11	MW-16	Total/NA	Water	8260B	
500-120174-12	MW-09	Total/NA	Water	8260B	
500-120174-13	MW-11	Total/NA	Water	8260B	
500-120174-14	MW-13	Total/NA	Water	8260B	
500-120174-18	Trip Blank	Total/NA	Water	8260B	
MB 500-362066/7	Method Blank	Total/NA	Water	8260B	
LCS 500-362066/5	Lab Control Sample	Total/NA	Water	8260B	
500-120174-14 MS	MW-13	Total/NA	Water	8260B	
500-120174-14 MSD	MW-13	Total/NA	Water	8260B	

Analysis Batch: 362139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-15	MW-14	Total/NA	Water	8260B	
500-120174-16	MW-15	Total/NA	Water	8260B	
500-120174-17	MW-12	Total/NA	Water	8260B	
MB 500-362139/6	Method Blank	Total/NA	Water	8260B	
LCS 500-362139/3	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 140149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Total/NA	Water	314.0	
500-120174-2	MW-03	Total/NA	Water	314.0	
500-120174-3	MW-04	Total/NA	Water	314.0	
500-120174-4	MW-05	Total/NA	Water	314.0	
500-120174-5	MW-08	Total/NA	Water	314.0	
500-120174-6	DUPLICATE	Total/NA	Water	314.0	
500-120174-7	MW-01	Total/NA	Water	314.0	
500-120174-8	MW-06	Total/NA	Water	314.0	
500-120174-9	MW-07	Total/NA	Water	314.0	
500-120174-10	MW-10	Total/NA	Water	314.0	
500-120174-11	MW-16	Total/NA	Water	314.0	
500-120174-12	MW-09	Total/NA	Water	314.0	
500-120174-13	MW-11	Total/NA	Water	314.0	
500-120174-14	MW-13	Total/NA	Water	314.0	
500-120174-15	MW-14	Total/NA	Water	314.0	
500-120174-16	MW-15	Total/NA	Water	314.0	
500-120174-17	MW-12	Total/NA	Water	314.0	
MB 320-140149/13	Method Blank	Total/NA	Water	314.0	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

HPLC/IC (Continued)

Analysis Batch: 140149 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-140149/14	Lab Control Sample	Total/NA	Water	314.0	
MRL 320-140149/12	Lab Control Sample	Total/NA	Water	314.0	
500-120174-1 MS	MW-02	Total/NA	Water	314.0	
500-120174-1 MSD	MW-02	Total/NA	Water	314.0	

Metals

Prep Batch: 361666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	7470A	
500-120174-2	MW-03	Dissolved	Water	7470A	
500-120174-3	MW-04	Dissolved	Water	7470A	
500-120174-4	MW-05	Dissolved	Water	7470A	
500-120174-5	MW-08	Dissolved	Water	7470A	
500-120174-6	DUPLICATE	Dissolved	Water	7470A	
500-120174-7	MW-01	Dissolved	Water	7470A	
500-120174-8	MW-06	Dissolved	Water	7470A	
500-120174-9	MW-07	Dissolved	Water	7470A	
500-120174-10	MW-10	Dissolved	Water	7470A	
500-120174-11	MW-16	Dissolved	Water	7470A	
500-120174-12	MW-09	Dissolved	Water	7470A	
500-120174-13	MW-11	Dissolved	Water	7470A	
500-120174-14	MW-13	Dissolved	Water	7470A	
500-120174-15	MW-14	Dissolved	Water	7470A	
500-120174-16	MW-15	Dissolved	Water	7470A	
500-120174-17	MW-12	Dissolved	Water	7470A	
MB 500-361666/12-A	Method Blank	Total/NA	Water	7470A	
LCS 500-361666/13-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 361865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	7470A	361666
500-120174-2	MW-03	Dissolved	Water	7470A	361666
500-120174-3	MW-04	Dissolved	Water	7470A	361666
500-120174-4	MW-05	Dissolved	Water	7470A	361666
500-120174-5	MW-08	Dissolved	Water	7470A	361666
500-120174-6	DUPLICATE	Dissolved	Water	7470A	361666
500-120174-7	MW-01	Dissolved	Water	7470A	361666
500-120174-8	MW-06	Dissolved	Water	7470A	361666
500-120174-9	MW-07	Dissolved	Water	7470A	361666
500-120174-10	MW-10	Dissolved	Water	7470A	361666
500-120174-11	MW-16	Dissolved	Water	7470A	361666
500-120174-12	MW-09	Dissolved	Water	7470A	361666
500-120174-13	MW-11	Dissolved	Water	7470A	361666
500-120174-14	MW-13	Dissolved	Water	7470A	361666
500-120174-15	MW-14	Dissolved	Water	7470A	361666
500-120174-16	MW-15	Dissolved	Water	7470A	361666
500-120174-17	MW-12	Dissolved	Water	7470A	361666
MB 500-361666/12-A	Method Blank	Total/NA	Water	7470A	361666
LCS 500-361666/13-A	Lab Control Sample	Total/NA	Water	7470A	361666

TestAmerica Chicago

MWG13-15_58215
12/2/2016

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

Metals (Continued)

Prep Batch: 362830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	Soluble Metals	
500-120174-2	MW-03	Dissolved	Water	Soluble Metals	
500-120174-3	MW-04	Dissolved	Water	Soluble Metals	
500-120174-4	MW-05	Dissolved	Water	Soluble Metals	
500-120174-5	MW-08	Dissolved	Water	Soluble Metals	
500-120174-6	DUPLICATE	Dissolved	Water	Soluble Metals	
500-120174-7	MW-01	Dissolved	Water	Soluble Metals	
500-120174-8	MW-06	Dissolved	Water	Soluble Metals	
500-120174-9	MW-07	Dissolved	Water	Soluble Metals	
500-120174-10	MW-10	Dissolved	Water	Soluble Metals	
500-120174-11	MW-16	Dissolved	Water	Soluble Metals	
500-120174-12	MW-09	Dissolved	Water	Soluble Metals	
500-120174-13	MW-11	Dissolved	Water	Soluble Metals	
500-120174-14	MW-13	Dissolved	Water	Soluble Metals	
500-120174-15	MW-14	Dissolved	Water	Soluble Metals	
500-120174-16	MW-15	Dissolved	Water	Soluble Metals	
500-120174-17	MW-12	Dissolved	Water	Soluble Metals	
MB 500-362830/1-A	Method Blank	Soluble	Water	Soluble Metals	
LCS 500-362830/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
500-120174-2 MS	MW-03	Dissolved	Water	Soluble Metals	
500-120174-2 MSD	MW-03	Dissolved	Water	Soluble Metals	
500-120174-2 DU	MW-03	Dissolved	Water	Soluble Metals	

Analysis Batch: 362994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	6020A	362830
500-120174-2	MW-03	Dissolved	Water	6020A	362830
500-120174-3	MW-04	Dissolved	Water	6020A	362830
500-120174-3	MW-04	Dissolved	Water	6020A	362830
500-120174-4	MW-05	Dissolved	Water	6020A	362830
500-120174-4	MW-05	Dissolved	Water	6020A	362830
500-120174-5	MW-08	Dissolved	Water	6020A	362830
500-120174-5	MW-08	Dissolved	Water	6020A	362830
500-120174-6	DUPLICATE	Dissolved	Water	6020A	362830
500-120174-6	DUPLICATE	Dissolved	Water	6020A	362830
500-120174-7	MW-01	Dissolved	Water	6020A	362830
500-120174-8	MW-06	Dissolved	Water	6020A	362830
500-120174-9	MW-07	Dissolved	Water	6020A	362830
500-120174-9	MW-07	Dissolved	Water	6020A	362830
500-120174-10	MW-10	Dissolved	Water	6020A	362830
500-120174-11	MW-16	Dissolved	Water	6020A	362830
500-120174-12	MW-09	Dissolved	Water	6020A	362830
500-120174-12	MW-09	Dissolved	Water	6020A	362830
500-120174-13	MW-11	Dissolved	Water	6020A	362830
500-120174-13	MW-11	Dissolved	Water	6020A	362830
500-120174-14	MW-13	Dissolved	Water	6020A	362830
500-120174-14	MW-13	Dissolved	Water	6020A	362830
500-120174-15	MW-14	Dissolved	Water	6020A	362830
500-120174-15	MW-14	Dissolved	Water	6020A	362830
500-120174-16	MW-15	Dissolved	Water	6020A	362830
500-120174-16	MW-15	Dissolved	Water	6020A	362830

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

Metals (Continued)

Analysis Batch: 362994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-17	MW-12	Dissolved	Water	6020A	362830
500-120174-17	MW-12	Dissolved	Water	6020A	362830
MB 500-362830/1-A	Method Blank	Soluble	Water	6020A	362830
LCS 500-362830/2-A	Lab Control Sample	Soluble	Water	6020A	362830
500-120174-2 MS	MW-03	Dissolved	Water	6020A	362830
500-120174-2 MSD	MW-03	Dissolved	Water	6020A	362830
500-120174-2 DU	MW-03	Dissolved	Water	6020A	362830

Analysis Batch: 363124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-7	MW-01	Dissolved	Water	6020A	362830
500-120174-8	MW-06	Dissolved	Water	6020A	362830
500-120174-9	MW-07	Dissolved	Water	6020A	362830
500-120174-10	MW-10	Dissolved	Water	6020A	362830
500-120174-11	MW-16	Dissolved	Water	6020A	362830

Analysis Batch: 363134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-12	MW-09	Dissolved	Water	6020A	362830
500-120174-14	MW-13	Dissolved	Water	6020A	362830
500-120174-16	MW-15	Dissolved	Water	6020A	362830

General Chemistry

Analysis Batch: 361141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-120174-2	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-120174-3	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-120174-4	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-120174-5	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-120174-6	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	
MB 500-361141/61	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-361141/62	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-120174-6 MS	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	
500-120174-6 MSD	DUPLICATE	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 361708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	SM 2540C	
500-120174-2	MW-03	Dissolved	Water	SM 2540C	
500-120174-3	MW-04	Dissolved	Water	SM 2540C	
500-120174-4	MW-05	Dissolved	Water	SM 2540C	
500-120174-5	MW-08	Dissolved	Water	SM 2540C	
500-120174-6	DUPLICATE	Dissolved	Water	SM 2540C	
500-120174-7	MW-01	Dissolved	Water	SM 2540C	
500-120174-8	MW-06	Dissolved	Water	SM 2540C	
500-120174-9	MW-07	Dissolved	Water	SM 2540C	
500-120174-10	MW-10	Dissolved	Water	SM 2540C	
500-120174-11	MW-16	Dissolved	Water	SM 2540C	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

General Chemistry (Continued)

Analysis Batch: 361708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-12	MW-09	Dissolved	Water	SM 2540C	
500-120174-13	MW-11	Dissolved	Water	SM 2540C	
500-120174-14	MW-13	Dissolved	Water	SM 2540C	
500-120174-15	MW-14	Dissolved	Water	SM 2540C	
500-120174-16	MW-15	Dissolved	Water	SM 2540C	
500-120174-17	MW-12	Dissolved	Water	SM 2540C	
MB 500-361708/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 500-361708/2	Lab Control Sample	Total/NA	Water	SM 2540C	
500-120174-1 MS	MW-02	Dissolved	Water	SM 2540C	
500-120174-1 DU	MW-02	Dissolved	Water	SM 2540C	

Analysis Batch: 361780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-17	MW-12	Dissolved	Water	SM 4500 NO2 B	
MB 500-361780/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-361780/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-120174-17 MS	MW-12	Dissolved	Water	SM 4500 NO2 B	
500-120174-17 MSD	MW-12	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 361782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-12	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-120174-13	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-120174-14	MW-13	Dissolved	Water	SM 4500 NO2 B	
500-120174-15	MW-14	Dissolved	Water	SM 4500 NO2 B	
500-120174-16	MW-15	Dissolved	Water	SM 4500 NO2 B	
MB 500-361782/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-361782/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-120174-16 MS	MW-15	Dissolved	Water	SM 4500 NO2 B	
500-120174-16 MSD	MW-15	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 361787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-7	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-120174-8	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-120174-9	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-120174-10	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-120174-11	MW-16	Dissolved	Water	SM 4500 NO2 B	
MB 500-361787/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	
LCS 500-361787/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
500-120174-7 MS	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-120174-7 MSD	MW-01	Dissolved	Water	SM 4500 NO2 B	

Analysis Batch: 361793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	SM 4500 F C	
500-120174-2	MW-03	Dissolved	Water	SM 4500 F C	
500-120174-3	MW-04	Dissolved	Water	SM 4500 F C	
500-120174-4	MW-05	Dissolved	Water	SM 4500 F C	
500-120174-5	MW-08	Dissolved	Water	SM 4500 F C	
500-120174-6	DUPLICATE	Dissolved	Water	SM 4500 F C	

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

General Chemistry (Continued)

Analysis Batch: 361793 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-7	MW-01	Dissolved	Water	SM 4500 F C	
500-120174-8	MW-06	Dissolved	Water	SM 4500 F C	
500-120174-9	MW-07	Dissolved	Water	SM 4500 F C	
500-120174-10	MW-10	Dissolved	Water	SM 4500 F C	
500-120174-11	MW-16	Dissolved	Water	SM 4500 F C	
500-120174-12	MW-09	Dissolved	Water	SM 4500 F C	
500-120174-13	MW-11	Dissolved	Water	SM 4500 F C	
500-120174-14	MW-13	Dissolved	Water	SM 4500 F C	
500-120174-15	MW-14	Dissolved	Water	SM 4500 F C	
500-120174-16	MW-15	Dissolved	Water	SM 4500 F C	
500-120174-17	MW-12	Dissolved	Water	SM 4500 F C	
MB 500-361793/31	Method Blank	Total/NA	Water	SM 4500 F C	
LCS 500-361793/32	Lab Control Sample	Total/NA	Water	SM 4500 F C	

Analysis Batch: 361889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	9251	
500-120174-2	MW-03	Dissolved	Water	9251	
500-120174-3	MW-04	Dissolved	Water	9251	
500-120174-4	MW-05	Dissolved	Water	9251	
500-120174-5	MW-08	Dissolved	Water	9251	
500-120174-6	DUPLICATE	Dissolved	Water	9251	
500-120174-7	MW-01	Dissolved	Water	9251	
500-120174-8	MW-06	Dissolved	Water	9251	
500-120174-9	MW-07	Dissolved	Water	9251	
500-120174-10	MW-10	Dissolved	Water	9251	
500-120174-11	MW-16	Dissolved	Water	9251	
500-120174-12	MW-09	Dissolved	Water	9251	
500-120174-13	MW-11	Dissolved	Water	9251	
500-120174-14	MW-13	Dissolved	Water	9251	
500-120174-15	MW-14	Dissolved	Water	9251	
500-120174-16	MW-15	Dissolved	Water	9251	
500-120174-17	MW-12	Dissolved	Water	9251	
MB 500-361889/4	Method Blank	Total/NA	Water	9251	
LCS 500-361889/5	Lab Control Sample	Total/NA	Water	9251	
500-120174-8 MS	MW-06	Dissolved	Water	9251	
500-120174-8 MSD	MW-06	Dissolved	Water	9251	
500-120174-17 MS	MW-12	Dissolved	Water	9251	
500-120174-17 MSD	MW-12	Dissolved	Water	9251	

Analysis Batch: 362110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-120174-2	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-120174-3	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-120174-4	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-120174-5	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-120174-6	DUPLICATE	Dissolved	Water	SM 4500 NO3 F	
500-120174-7	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-120174-8	MW-06	Dissolved	Water	SM 4500 NO3 F	
500-120174-9	MW-07	Dissolved	Water	SM 4500 NO3 F	

TestAmerica Chicago

MWG13-15_58219
12/2/2016

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

General Chemistry (Continued)

Analysis Batch: 362110 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-10	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-120174-11	MW-16	Dissolved	Water	SM 4500 NO3 F	
500-120174-12	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-120174-13	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-120174-14	MW-13	Dissolved	Water	SM 4500 NO3 F	
500-120174-15	MW-14	Dissolved	Water	SM 4500 NO3 F	
500-120174-16	MW-15	Dissolved	Water	SM 4500 NO3 F	
500-120174-17	MW-12	Dissolved	Water	SM 4500 NO3 F	
MB 500-362110/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	
LCS 500-362110/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
500-120174-15 MS	MW-14	Dissolved	Water	SM 4500 NO3 F	
500-120174-15 MSD	MW-14	Dissolved	Water	SM 4500 NO3 F	

Analysis Batch: 362203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	9038	
500-120174-2	MW-03	Dissolved	Water	9038	
500-120174-3	MW-04	Dissolved	Water	9038	
500-120174-4	MW-05	Dissolved	Water	9038	
500-120174-5	MW-08	Dissolved	Water	9038	
MB 500-362203/3	Method Blank	Total/NA	Water	9038	
LCS 500-362203/4	Lab Control Sample	Total/NA	Water	9038	

Prep Batch: 362205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	9010B	
500-120174-2	MW-03	Dissolved	Water	9010B	
500-120174-3	MW-04	Dissolved	Water	9010B	
500-120174-4	MW-05	Dissolved	Water	9010B	
500-120174-5	MW-08	Dissolved	Water	9010B	
500-120174-6	DUPLICATE	Dissolved	Water	9010B	
500-120174-7	MW-01	Dissolved	Water	9010B	
500-120174-8	MW-06	Dissolved	Water	9010B	
500-120174-9	MW-07	Dissolved	Water	9010B	
500-120174-10	MW-10	Dissolved	Water	9010B	
500-120174-11	MW-16	Dissolved	Water	9010B	
500-120174-12	MW-09	Dissolved	Water	9010B	
500-120174-13	MW-11	Dissolved	Water	9010B	
MB 500-362205/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-362205/2-A	Lab Control Sample	Total/NA	Water	9010B	
500-120174-13 MS	MW-11	Dissolved	Water	9010B	
500-120174-13 MSD	MW-11	Dissolved	Water	9010B	

Analysis Batch: 362336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	9014	362205
500-120174-2	MW-03	Dissolved	Water	9014	362205
500-120174-3	MW-04	Dissolved	Water	9014	362205
500-120174-4	MW-05	Dissolved	Water	9014	362205
500-120174-5	MW-08	Dissolved	Water	9014	362205
500-120174-6	DUPLICATE	Dissolved	Water	9014	362205

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

General Chemistry (Continued)

Analysis Batch: 362336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-7	MW-01	Dissolved	Water	9014	362205
500-120174-8	MW-06	Dissolved	Water	9014	362205
500-120174-9	MW-07	Dissolved	Water	9014	362205
500-120174-10	MW-10	Dissolved	Water	9014	362205
500-120174-11	MW-16	Dissolved	Water	9014	362205
500-120174-12	MW-09	Dissolved	Water	9014	362205
500-120174-13	MW-11	Dissolved	Water	9014	362205
MB 500-362205/1-A	Method Blank	Total/NA	Water	9014	362205
LCS 500-362205/2-A	Lab Control Sample	Total/NA	Water	9014	362205
500-120174-13 MS	MW-11	Dissolved	Water	9014	362205
500-120174-13 MSD	MW-11	Dissolved	Water	9014	362205

Prep Batch: 362388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-14	MW-13	Dissolved	Water	9010B	
500-120174-15	MW-14	Dissolved	Water	9010B	
500-120174-16	MW-15	Dissolved	Water	9010B	
500-120174-17	MW-12	Dissolved	Water	9010B	
MB 500-362388/1-A	Method Blank	Total/NA	Water	9010B	
LCS 500-362388/2-A	Lab Control Sample	Total/NA	Water	9010B	
500-120174-14 MS	MW-13	Dissolved	Water	9010B	
500-120174-14 MSD	MW-13	Dissolved	Water	9010B	

Analysis Batch: 362534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-6	DUPLICATE	Dissolved	Water	9038	
500-120174-7	MW-01	Dissolved	Water	9038	
500-120174-8	MW-06	Dissolved	Water	9038	
500-120174-9	MW-07	Dissolved	Water	9038	
500-120174-10	MW-10	Dissolved	Water	9038	
500-120174-11	MW-16	Dissolved	Water	9038	
500-120174-12	MW-09	Dissolved	Water	9038	
500-120174-13	MW-11	Dissolved	Water	9038	
500-120174-14	MW-13	Dissolved	Water	9038	
MB 500-362534/3	Method Blank	Total/NA	Water	9038	
LCS 500-362534/4	Lab Control Sample	Total/NA	Water	9038	
500-120174-6 MS	DUPLICATE	Dissolved	Water	9038	
500-120174-6 MSD	DUPLICATE	Dissolved	Water	9038	
500-120174-12 MS	MW-09	Dissolved	Water	9038	
500-120174-12 MSD	MW-09	Dissolved	Water	9038	

Analysis Batch: 362563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-14	MW-13	Dissolved	Water	9014	362388
500-120174-15	MW-14	Dissolved	Water	9014	362388
500-120174-16	MW-15	Dissolved	Water	9014	362388
500-120174-17	MW-12	Dissolved	Water	9014	362388
MB 500-362388/1-A	Method Blank	Total/NA	Water	9014	362388
LCS 500-362388/2-A	Lab Control Sample	Total/NA	Water	9014	362388
500-120174-14 MS	MW-13	Dissolved	Water	9014	362388
500-120174-14 MSD	MW-13	Dissolved	Water	9014	362388

TestAmerica Chicago

QC Association Summary

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

TestAmerica Job ID: 500-120174-1

Analysis Batch: 362723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-15	MW-14	Dissolved	Water	9038	
500-120174-16	MW-15	Dissolved	Water	9038	
500-120174-17	MW-12	Dissolved	Water	9038	
MB 500-362723/3	Method Blank	Total/NA	Water	9038	
LCS 500-362723/4	Lab Control Sample	Total/NA	Water	9038	

Analysis Batch: 362729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-120174-1	MW-02	Dissolved	Water	Nitrate by calc	
500-120174-2	MW-03	Dissolved	Water	Nitrate by calc	
500-120174-3	MW-04	Dissolved	Water	Nitrate by calc	
500-120174-4	MW-05	Dissolved	Water	Nitrate by calc	
500-120174-5	MW-08	Dissolved	Water	Nitrate by calc	
500-120174-6	DUPLICATE	Dissolved	Water	Nitrate by calc	
500-120174-7	MW-01	Dissolved	Water	Nitrate by calc	
500-120174-8	MW-06	Dissolved	Water	Nitrate by calc	
500-120174-9	MW-07	Dissolved	Water	Nitrate by calc	
500-120174-10	MW-10	Dissolved	Water	Nitrate by calc	
500-120174-11	MW-16	Dissolved	Water	Nitrate by calc	
500-120174-12	MW-09	Dissolved	Water	Nitrate by calc	
500-120174-13	MW-11	Dissolved	Water	Nitrate by calc	
500-120174-14	MW-13	Dissolved	Water	Nitrate by calc	
500-120174-15	MW-14	Dissolved	Water	Nitrate by calc	
500-120174-16	MW-15	Dissolved	Water	Nitrate by calc	
500-120174-17	MW-12	Dissolved	Water	Nitrate by calc	

TestAmerica Chicago

MWG13-15_58222
12/2/2016

Surrogate Summary

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

TestAmerica Job ID: 500-120174-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		12DCE (71-127)	TOL (75-120)	BFB (71-120)	DBFM (70-120)
500-120174-1	MW-02	86	99	104	94
500-120174-2	MW-03	87	99	103	96
500-120174-3	MW-04	86	101	103	95
500-120174-4	MW-05	86	97	105	93
500-120174-5	MW-08	87	100	103	93
500-120174-6	DUPLICATE	86	97	102	95
500-120174-7	MW-01	87	97	102	96
500-120174-8	MW-06	88	102	104	95
500-120174-9	MW-07	87	99	102	94
500-120174-10	MW-10	88	98	104	94
500-120174-11	MW-16	90	98	104	96
500-120174-12	MW-09	86	97	102	95
500-120174-13	MW-11	88	98	106	96
500-120174-14	MW-13	88	97	103	98
500-120174-14 MS	MW-13	89	98	104	99
500-120174-14 MSD	MW-13	90	96	103	100
500-120174-15	MW-14	101	99	102	93
500-120174-16	MW-15	103	100	103	93
500-120174-17	MW-12	104	98	103	93
500-120174-18	Trip Blank	86	99	101	93
LCS 500-362066/5	Lab Control Sample	90	98	102	98
LCS 500-362139/3	Lab Control Sample	102	98	96	95
MB 500-362066/7	Method Blank	90	98	105	98
MB 500-362139/6	Method Blank	103	100	104	93

Surrogate Legend

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

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: MB 500-362066/7
Matrix: Water
Analysis Batch: 362066

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

Analyte	Result	MB MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			11/23/16 01:12	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 01:12	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 01:12	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 01:12	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		71 - 127		11/23/16 01:12	1
Toluene-d8 (Surr)	98		75 - 120		11/23/16 01:12	1
4-Bromofluorobenzene (Surr)	105		71 - 120		11/23/16 01:12	1
Dibromofluoromethane	98		70 - 120		11/23/16 01:12	1

Lab Sample ID: LCS 500-362066/5
Matrix: Water
Analysis Batch: 362066

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

Analyte	Spike Added	LCS LCS Result Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0396	mg/L		79	70 - 125
Toluene	0.0500	0.0385	mg/L		77	70 - 125
Ethylbenzene	0.0500	0.0385	mg/L		77	70 - 125
Xylenes, Total	0.100	0.0758	mg/L		76	70 - 125

Surrogate	%Recovery	LCS LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	90		71 - 127
Toluene-d8 (Surr)	98		75 - 120
4-Bromofluorobenzene (Surr)	102		71 - 120
Dibromofluoromethane	98		70 - 120

Lab Sample ID: 500-120174-14 MS
Matrix: Water
Analysis Batch: 362066

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS Result Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0417	mg/L		83	70 - 125
Toluene	<0.00050		0.0500	0.0406	mg/L		81	70 - 125
Ethylbenzene	<0.00050		0.0500	0.0414	mg/L		83	70 - 125
Xylenes, Total	<0.0010		0.100	0.0802	mg/L		80	70 - 125

Surrogate	%Recovery	MS MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	89		71 - 127
Toluene-d8 (Surr)	98		75 - 120
4-Bromofluorobenzene (Surr)	104		71 - 120
Dibromofluoromethane	99		70 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: 500-120174-14 MSD
Matrix: Water
Analysis Batch: 362066

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0401		mg/L		80	70 - 125	4	20
Toluene	<0.00050		0.0500	0.0385		mg/L		76	70 - 125	5	20
Ethylbenzene	<0.00050		0.0500	0.0394		mg/L		79	70 - 125	5	20
Xylenes, Total	<0.0010		0.100	0.0760		mg/L		76	70 - 125	5	20

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
1,2-Dichloroethane-d4 (Surr)	90		71 - 127
Toluene-d8 (Surr)	96		75 - 120
4-Bromofluorobenzene (Surr)	103		71 - 120
Dibromofluoromethane	100		70 - 120

Lab Sample ID: MB 500-362139/6
Matrix: Water
Analysis Batch: 362139

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			11/23/16 12:36	1
Toluene	<0.00050		0.00050		mg/L			11/23/16 12:36	1
Ethylbenzene	<0.00050		0.00050		mg/L			11/23/16 12:36	1
Xylenes, Total	<0.0010		0.0010		mg/L			11/23/16 12:36	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		71 - 127		11/23/16 12:36	1
Toluene-d8 (Surr)	100		75 - 120		11/23/16 12:36	1
4-Bromofluorobenzene (Surr)	104		71 - 120		11/23/16 12:36	1
Dibromofluoromethane	93		70 - 120		11/23/16 12:36	1

Lab Sample ID: LCS 500-362139/3
Matrix: Water
Analysis Batch: 362139

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	0.0489		mg/L		98	70 - 125
Toluene	0.0500	0.0492		mg/L		98	70 - 125
Ethylbenzene	0.0500	0.0495		mg/L		99	70 - 125
Xylenes, Total	0.100	0.0949		mg/L		95	70 - 125

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	102		71 - 127
Toluene-d8 (Surr)	98		75 - 120
4-Bromofluorobenzene (Surr)	96		71 - 120
Dibromofluoromethane	95		70 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-140149/13
Matrix: Water
Analysis Batch: 140149

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			11/30/16 14:01	1

Lab Sample ID: LCS 320-140149/14
Matrix: Water
Analysis Batch: 140149

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.0500	0.0524		mg/L		105	85 - 115

Lab Sample ID: MRL 320-140149/12
Matrix: Water
Analysis Batch: 140149

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	4.11		ug/L		103	75 - 125

Lab Sample ID: 500-120174-1 MS
Matrix: Water
Analysis Batch: 140149

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

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

Lab Sample ID: 500-120174-1 MSD
Matrix: Water
Analysis Batch: 140149

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	<0.0040		0.0500	0.0546		mg/L		109	80 - 120	4	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-120174-2 MS
Matrix: Water
Analysis Batch: 362994

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 362830

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.503		mg/L		101	75 - 125
Arsenic	<0.0010		0.100	0.103		mg/L		102	75 - 125
Barium	0.054		0.500	0.556		mg/L		100	75 - 125
Beryllium	<0.0010		0.0500	0.0508		mg/L		102	75 - 125
Boron	0.31		1.00	1.30		mg/L		99	75 - 125
Cadmium	<0.00050		0.0500	0.0510		mg/L		102	75 - 125
Chromium	<0.0050		0.200	0.199		mg/L		100	75 - 125
Cobalt	<0.0010		0.500	0.500		mg/L		100	75 - 125
Copper	<0.0020		0.250	0.252		mg/L		101	75 - 125
Iron	<0.10		1.00	1.03		mg/L		103	75 - 125
Lead	<0.00050		0.100	0.108		mg/L		108	75 - 125
Manganese	<0.0025		0.500	0.502		mg/L		100	75 - 125

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: 500-120174-2 MS
Matrix: Water
Analysis Batch: 362994

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 362830
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Nickel	<0.0020		0.500	0.497		mg/L		99	75 - 125
Selenium	<0.0025		0.100	0.107		mg/L		107	75 - 125
Silver	<0.00050		0.0500	0.0517		mg/L		103	75 - 125
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125
Vanadium	<0.0050		0.500	0.503		mg/L		101	75 - 125
Zinc	<0.020		0.500	0.506		mg/L		101	75 - 125

Lab Sample ID: 500-120174-2 MSD
Matrix: Water
Analysis Batch: 362994

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 362830
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Antimony	<0.0030		0.500	0.499		mg/L		100	75 - 125	1	20
Arsenic	<0.0010		0.100	0.100		mg/L		99	75 - 125	2	20
Barium	0.054		0.500	0.546		mg/L		98	75 - 125	2	20
Beryllium	<0.0010		0.0500	0.0492		mg/L		98	75 - 125	3	20
Boron	0.31		1.00	1.27		mg/L		96	75 - 125	2	20
Cadmium	<0.00050		0.0500	0.0503		mg/L		101	75 - 125	1	20
Chromium	<0.0050		0.200	0.194		mg/L		97	75 - 125	3	20
Cobalt	<0.0010		0.500	0.485		mg/L		97	75 - 125	3	20
Copper	<0.0020		0.250	0.249		mg/L		100	75 - 125	1	20
Iron	<0.10		1.00	0.999		mg/L		100	75 - 125	3	20
Lead	<0.00050		0.100	0.105		mg/L		105	75 - 125	3	20
Manganese	<0.0025		0.500	0.489		mg/L		98	75 - 125	3	20
Nickel	<0.0020		0.500	0.481		mg/L		96	75 - 125	3	20
Selenium	<0.0025		0.100	0.106		mg/L		105	75 - 125	1	20
Silver	<0.00050		0.0500	0.0514		mg/L		103	75 - 125	1	20
Thallium	<0.0020		0.100	0.107		mg/L		107	75 - 125	2	20
Vanadium	<0.0050		0.500	0.489		mg/L		98	75 - 125	3	20
Zinc	<0.020		0.500	0.505		mg/L		101	75 - 125	0	20

Lab Sample ID: 500-120174-2 DU
Matrix: Water
Analysis Batch: 362994

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 362830
RPD

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Antimony	<0.0030		<0.0030		mg/L		NC	20
Arsenic	<0.0010		<0.0010		mg/L		NC	20
Barium	0.054		0.0546		mg/L		0.2	20
Beryllium	<0.0010		<0.0010		mg/L		NC	20
Boron	0.31		0.313		mg/L		2	20
Cadmium	<0.00050		<0.00050		mg/L		NC	20
Chromium	<0.0050		<0.0050		mg/L		NC	20
Cobalt	<0.0010		<0.0010		mg/L		NC	20
Copper	<0.0020		<0.0020		mg/L		NC	20
Iron	<0.10		<0.10		mg/L		NC	20
Lead	<0.00050		<0.00050		mg/L		NC	20
Manganese	<0.0025		<0.0025		mg/L		NC	20
Nickel	<0.0020		<0.0020		mg/L		NC	20

TestAmerica Chicago

MWG13-15_58227
12/2/2016

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: 500-120174-2 DU
Matrix: Water
Analysis Batch: 362994

Client Sample ID: MW-03
Prep Type: Dissolved
Prep Batch: 362830

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Selenium	<0.0025		<0.0025		mg/L		NC	20
Silver	<0.00050		<0.00050		mg/L		NC	20
Thallium	<0.0020		<0.0020		mg/L		NC	20
Vanadium	<0.0050		<0.0050		mg/L		NC	20
Zinc	<0.020		<0.020		mg/L		NC	20

Lab Sample ID: MB 500-362830/1-A
Matrix: Water
Analysis Batch: 362994

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 362830

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.0030		0.0030		mg/L		11/29/16 14:36	11/30/16 10:44	1
Arsenic	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:44	1
Barium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:44	1
Beryllium	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:44	1
Boron	<0.050		0.050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Cadmium	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Chromium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Cobalt	<0.0010		0.0010		mg/L		11/29/16 14:36	11/30/16 10:44	1
Copper	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:44	1
Iron	<0.10		0.10		mg/L		11/29/16 14:36	11/30/16 10:44	1
Lead	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Manganese	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:44	1
Nickel	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:44	1
Selenium	<0.0025		0.0025		mg/L		11/29/16 14:36	11/30/16 10:44	1
Silver	<0.00050		0.00050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Thallium	<0.0020		0.0020		mg/L		11/29/16 14:36	11/30/16 10:44	1
Vanadium	<0.0050		0.0050		mg/L		11/29/16 14:36	11/30/16 10:44	1
Zinc	<0.020		0.020		mg/L		11/29/16 14:36	11/30/16 10:44	1

Lab Sample ID: LCS 500-362830/2-A
Matrix: Water
Analysis Batch: 362994

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 362830

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
Antimony	0.500	0.479		mg/L		96		80 - 120
Arsenic	0.100	0.0979		mg/L		98		80 - 120
Barium	0.500	0.498		mg/L		100		80 - 120
Beryllium	0.0500	0.0460		mg/L		92		80 - 120
Boron	1.00	0.962		mg/L		96		80 - 120
Cadmium	0.0500	0.0493		mg/L		99		80 - 120
Chromium	0.200	0.197		mg/L		99		80 - 120
Cobalt	0.500	0.507		mg/L		101		80 - 120
Copper	0.250	0.253		mg/L		101		80 - 120
Iron	1.00	1.02		mg/L		102		80 - 120
Lead	0.100	0.101		mg/L		101		80 - 120
Manganese	0.500	0.496		mg/L		99		80 - 120
Nickel	0.500	0.509		mg/L		102		80 - 120
Selenium	0.100	0.0959		mg/L		96		80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: LCS 500-362830/2-A
Matrix: Water
Analysis Batch: 362994

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 362830
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Silver	0.0500	0.0522		mg/L		104	80 - 120
Thallium	0.100	0.102		mg/L		102	80 - 120
Vanadium	0.500	0.491		mg/L		98	80 - 120
Zinc	0.500	0.496		mg/L		99	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-361666/12-A
Matrix: Water
Analysis Batch: 361865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 361666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		11/20/16 16:30	11/21/16 12:44	1

Lab Sample ID: LCS 500-361666/13-A
Matrix: Water
Analysis Batch: 361865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 361666
%Rec.

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.00200	0.00196		mg/L		98	80 - 120

Method: 9014 - Cyanide

Lab Sample ID: MB 500-362205/1-A
Matrix: Water
Analysis Batch: 362336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362205

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/23/16 12:45	11/23/16 16:10	1

Lab Sample ID: LCS 500-362205/2-A
Matrix: Water
Analysis Batch: 362336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362205
%Rec.

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

Lab Sample ID: MB 500-362388/1-A
Matrix: Water
Analysis Batch: 362563

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 362388

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		11/25/16 13:20	11/25/16 19:10	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

Method: 9014 - Cyanide (Continued)

Lab Sample ID: LCS 500-362388/2-A
Matrix: Water
Analysis Batch: 362563

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 362388
%Rec.

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

Lab Sample ID: 500-120174-13 MS
Matrix: Water
Analysis Batch: 362336

Client Sample ID: MW-11
Prep Type: Dissolved
Prep Batch: 362205
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.010		0.0400	0.0385		mg/L		96	75 - 125

Lab Sample ID: 500-120174-13 MSD
Matrix: Water
Analysis Batch: 362336

Client Sample ID: MW-11
Prep Type: Dissolved
Prep Batch: 362205
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.010		0.0400	0.0398		mg/L		100	75 - 125	3	20

Lab Sample ID: 500-120174-14 MS
Matrix: Water
Analysis Batch: 362563

Client Sample ID: MW-13
Prep Type: Dissolved
Prep Batch: 362388
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Cyanide, Total	<0.010		0.0400	0.0415		mg/L		104	75 - 125

Lab Sample ID: 500-120174-14 MSD
Matrix: Water
Analysis Batch: 362563

Client Sample ID: MW-13
Prep Type: Dissolved
Prep Batch: 362388
%Rec.

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Cyanide, Total	<0.010		0.0400	0.0420		mg/L		105	75 - 125	1	20

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-362203/3
Matrix: Water
Analysis Batch: 362203

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			11/23/16 10:23	1

Lab Sample ID: LCS 500-362203/4
Matrix: Water
Analysis Batch: 362203

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Sulfate	20.0	19.8		mg/L		99	80 - 120

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: MB 500-362534/3
Matrix: Water
Analysis Batch: 362534

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			11/28/16 04:34	1

Lab Sample ID: LCS 500-362534/4
Matrix: Water
Analysis Batch: 362534

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	20.0	20.9		mg/L		104	80 - 120

Lab Sample ID: MB 500-362723/3
Matrix: Water
Analysis Batch: 362723

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			11/29/16 06:56	1

Lab Sample ID: LCS 500-362723/4
Matrix: Water
Analysis Batch: 362723

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	19.6		mg/L		98	80 - 120

Lab Sample ID: 500-120174-6 MS
Matrix: Water
Analysis Batch: 362534

Client Sample ID: DUPLICATE
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	290		400	695		mg/L		102	75 - 125

Lab Sample ID: 500-120174-6 MSD
Matrix: Water
Analysis Batch: 362534

Client Sample ID: DUPLICATE
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	290		400	721		mg/L		109	75 - 125	4	20

Lab Sample ID: 500-120174-12 MS
Matrix: Water
Analysis Batch: 362534

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	140		400	541		mg/L		100	75 - 125

Lab Sample ID: 500-120174-12 MSD
Matrix: Water
Analysis Batch: 362534

Client Sample ID: MW-09
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	140		400	539		mg/L		99	75 - 125	0	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

Method: 9251 - Chloride

Lab Sample ID: MB 500-361889/4
Matrix: Water
Analysis Batch: 361889

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			11/20/16 23:05	1

Lab Sample ID: LCS 500-361889/5
Matrix: Water
Analysis Batch: 361889

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

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

Lab Sample ID: 500-120174-8 MS
Matrix: Water
Analysis Batch: 361889

Client Sample ID: MW-06
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	180	F1	50.0	219	F1	mg/L		67	75 - 125

Lab Sample ID: 500-120174-8 MSD
Matrix: Water
Analysis Batch: 361889

Client Sample ID: MW-06
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	180	F1	50.0	222	F1	mg/L		73	75 - 125	1	20

Lab Sample ID: 500-120174-17 MS
Matrix: Water
Analysis Batch: 361889

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	180		50.0	214		mg/L		75	75 - 125

Lab Sample ID: 500-120174-17 MSD
Matrix: Water
Analysis Batch: 361889

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	180		50.0	216		mg/L		79	75 - 125	1	20

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

Lab Sample ID: MB 500-361708/1
Matrix: Water
Analysis Batch: 361708

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			11/21/16 02:08	1

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: LCS 500-361708/2
Matrix: Water
Analysis Batch: 361708

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	270		mg/L		108	80 - 120

Lab Sample ID: 500-120174-1 MS
Matrix: Water
Analysis Batch: 361708

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	470		250	722		mg/L		102	75 - 125

Lab Sample ID: 500-120174-1 DU
Matrix: Water
Analysis Batch: 361708

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	470		472		mg/L		1	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-361793/31
Matrix: Water
Analysis Batch: 361793

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			11/19/16 17:20	1

Lab Sample ID: LCS 500-361793/32
Matrix: Water
Analysis Batch: 361793

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	10.0		mg/L		100	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-361141/61
Matrix: Water
Analysis Batch: 361141

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			11/16/16 15:41	1

Lab Sample ID: LCS 500-361141/62
Matrix: Water
Analysis Batch: 361141

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: 500-120174-1

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

Lab Sample ID: MB 500-361780/3
Matrix: Water
Analysis Batch: 361780

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			11/19/16 15:57	1

Lab Sample ID: LCS 500-361780/4
Matrix: Water
Analysis Batch: 361780

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

Lab Sample ID: MB 500-361782/3
Matrix: Water
Analysis Batch: 361782

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			11/18/16 20:30	1

Lab Sample ID: LCS 500-361782/4
Matrix: Water
Analysis Batch: 361782

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	0.0983		mg/L		98	80 - 120

Lab Sample ID: MB 500-361787/3
Matrix: Water
Analysis Batch: 361787

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			11/17/16 18:07	1

Lab Sample ID: LCS 500-361787/4
Matrix: Water
Analysis Batch: 361787

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

Lab Sample ID: 500-120174-6 MS
Matrix: Water
Analysis Batch: 361141

Client Sample ID: DUPLICATE
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.106		mg/L		106	75 - 125

Lab Sample ID: 500-120174-6 MSD
Matrix: Water
Analysis Batch: 361141

Client Sample ID: DUPLICATE
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.106		mg/L		106	75 - 125	1	20

TestAmerica Chicago

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

Lab Sample ID: 500-120174-17 MS
Matrix: Water
Analysis Batch: 361780

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.112		mg/L		96	75 - 125

Lab Sample ID: 500-120174-17 MSD
Matrix: Water
Analysis Batch: 361780

Client Sample ID: MW-12
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.113		mg/L		97	75 - 125	1	20

Lab Sample ID: 500-120174-16 MS
Matrix: Water
Analysis Batch: 361782

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0922		mg/L		92	75 - 125

Lab Sample ID: 500-120174-16 MSD
Matrix: Water
Analysis Batch: 361782

Client Sample ID: MW-15
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.0923		mg/L		92	75 - 125	0	20

Lab Sample ID: 500-120174-7 MS
Matrix: Water
Analysis Batch: 361787

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.0972		mg/L		97	75 - 125

Lab Sample ID: 500-120174-7 MSD
Matrix: Water
Analysis Batch: 361787

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrite	<0.020		0.100	0.0979		mg/L		98	75 - 125	1	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-362110/12
Matrix: Water
Analysis Batch: 362110

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			11/22/16 21:13	1

TestAmerica Chicago

MWG13-15_58235
12/2/2016

QC Sample Results

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

TestAmerica Job ID: 500-120174-1

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

Lab Sample ID: LCS 500-362110/13
Matrix: Water
Analysis Batch: 362110

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: 500-120174-15 MS
Matrix: Water
Analysis Batch: 362110

Client Sample ID: MW-14
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	0.938		mg/L		94	75 - 125

Lab Sample ID: 500-120174-15 MSD
Matrix: Water
Analysis Batch: 362110

Client Sample ID: MW-14
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	0.951		mg/L		95	75 - 125	1	20

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-02

Lab Sample ID: 500-120174-1

Date Collected: 11/15/16 09:02

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 02:32	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 14:40	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 10:52	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 12:57	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:13		
					(End)	11/23/16 16:13		
Dissolved	Analysis	9038		2	362203		CLB	TAL CHI
					(Start)	11/23/16 10:40		
					(End)	11/23/16 10:41		
Dissolved	Analysis	9251		1	361889	11/20/16 23:07	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:16	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:33	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141		EAT	TAL CHI
					(Start)	11/16/16 15:43		
					(End)	11/16/16 15:43		
Dissolved	Analysis	SM 4500 NO3 F		5	362110	11/22/16 21:17	HMW	TAL CHI

Client Sample ID: MW-03

Lab Sample ID: 500-120174-2

Date Collected: 11/15/16 10:20

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 02:59	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 15:38	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 10:56	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 12:58	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:13		
					(End)	11/23/16 16:13		
Dissolved	Analysis	9038		2	362203		CLB	TAL CHI
					(Start)	11/23/16 10:41		
					(End)	11/23/16 10:42		
Dissolved	Analysis	9251		1	361889	11/20/16 23:08	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:30	CLB	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-03

Lab Sample ID: 500-120174-2

Date Collected: 11/15/16 10:20

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:44	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141	11/16/16 15:43 (Start) (End) 11/16/16 15:43	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		2	362110	11/22/16 21:19	HMW	TAL CHI

Client Sample ID: MW-04

Lab Sample ID: 500-120174-3

Date Collected: 11/15/16 11:30

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 03:26	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 15:58	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		2	362994	11/30/16 11:14	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:11	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:00	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336	11/23/16 16:13 (Start) (End) 11/23/16 16:14	VIP	TAL CHI
Dissolved	Analysis	9038		2	362203	11/23/16 10:42 (Start) (End) 11/23/16 10:43	CLB	TAL CHI
Dissolved	Analysis	9251		1	361889	11/20/16 23:40	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:34	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:47	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141	11/16/16 15:43 (Start) (End) 11/16/16 15:44	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:21	HMW	TAL CHI

Client Sample ID: MW-05

Lab Sample ID: 500-120174-4

Date Collected: 11/15/16 12:52

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 03:53	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 16:17	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI

TestAmerica Chicago

MWG13-15_58238

12/2/2016

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-05

Lab Sample ID: 500-120174-4

Date Collected: 11/15/16 12:52

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6020A		2	362994	11/30/16 11:18	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:15	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:01	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
						(Start) 11/23/16 16:14		
						(End) 11/23/16 16:14		
Dissolved	Analysis	9038		5	362203		CLB	TAL CHI
						(Start) 11/23/16 10:43		
						(End) 11/23/16 10:44		
Dissolved	Analysis	9251		1	361889	11/20/16 23:41	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:38	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:50	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141		EAT	TAL CHI
						(Start) 11/16/16 15:44		
						(End) 11/16/16 15:44		
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:24	HMW	TAL CHI

Client Sample ID: MW-08

Lab Sample ID: 500-120174-5

Date Collected: 11/15/16 14:51

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 04:20	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 16:37	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		5	362994	11/30/16 11:29	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:18	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:03	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
						(Start) 11/23/16 16:14		
						(End) 11/23/16 16:15		
Dissolved	Analysis	9038		10	362203		CLB	TAL CHI
						(Start) 11/23/16 10:44		
						(End) 11/23/16 10:45		
Dissolved	Analysis	9251		5	361889	11/20/16 23:10	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-08

Lab Sample ID: 500-120174-5

Date Collected: 11/15/16 14:51

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:43	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:53	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141	(Start) 11/16/16 15:44 (End) 11/16/16 15:44	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:26	HMW	TAL CHI

Client Sample ID: DUPLICATE

Lab Sample ID: 500-120174-6

Date Collected: 11/15/16 00:00

Matrix: Water

Date Received: 11/16/16 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 04:46	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 16:56	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		5	362994	11/30/16 11:33	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:22	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:07	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336	(Start) 11/23/16 16:16 (End) 11/23/16 16:16	VIP	TAL CHI
Dissolved	Analysis	9038		10	362534	(Start) 11/28/16 04:41 (End) 11/28/16 04:42	CLB	TAL CHI
Dissolved	Analysis	9251		5	361889	11/20/16 23:11	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:47	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:56	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361141	(Start) 11/16/16 15:45 (End) 11/16/16 15:46	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:28	HMW	TAL CHI

Client Sample ID: MW-01

Lab Sample ID: 500-120174-7

Date Collected: 11/16/16 14:32

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 05:13	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 17:54	JCB	TAL SAC

TestAmerica Chicago



Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:26	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363124	11/30/16 15:23	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:08	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:16		
					(End)	11/23/16 16:17		
Dissolved	Analysis	9038		2	362534		CLB	TAL CHI
					(Start)	11/28/16 04:46		
					(End)	11/28/16 04:47		
Dissolved	Analysis	9251		1	361889	11/20/16 23:15	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:52	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 17:58	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361787		EAT	TAL CHI
					(Start)	11/17/16 18:08		
					(End)	11/17/16 18:08		
Dissolved	Analysis	SM 4500 NO3 F		5	362110	11/22/16 21:30	HMW	TAL CHI

Client Sample ID: MW-06
Date Collected: 11/16/16 09:55
Date Received: 11/17/16 09:25

Lab Sample ID: 500-120174-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 05:40	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 18:14	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:30	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:36	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363124	11/30/16 15:26	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:10	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:17		
					(End)	11/23/16 16:17		
Dissolved	Analysis	9038		20	362534		CLB	TAL CHI
					(Start)	11/28/16 04:47		
					(End)	11/28/16 04:48		
Dissolved	Analysis	9251		5	361889	11/20/16 23:16	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 02:56	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:01	EAT	TAL CHI

TestAmerica Chicago

MWG13-15_58241
12/2/2016

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-06

Lab Sample ID: 500-120174-8

Date Collected: 11/16/16 09:55

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	361787	11/17/16 18:09 (Start) 11/17/16 18:10 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:32	HMW	TAL CHI

Client Sample ID: MW-07

Lab Sample ID: 500-120174-9

Date Collected: 11/16/16 11:50

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 06:07	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 18:33	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:33	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		10	362994	11/30/16 13:15	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363124	11/30/16 15:30	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:14	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336	11/23/16 16:17 (Start) 11/23/16 16:17 (End)	VIP	TAL CHI
Dissolved	Analysis	9038		2	362534	11/28/16 04:48 (Start) 11/28/16 04:49 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	361889	11/20/16 23:18	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:01	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:04	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361787	11/17/16 18:10 (Start) 11/17/16 18:10 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:38	HMW	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 500-120174-10

Date Collected: 11/16/16 13:02

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 06:34	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 18:52	JCB	TAL SAC

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-10

Lab Sample ID: 500-120174-10

Date Collected: 11/16/16 13:02

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:37	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363124	11/30/16 15:34	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:16	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
						(Start) 11/23/16 16:17		
						(End) 11/23/16 16:18		
Dissolved	Analysis	9038		2	362534		CLB	TAL CHI
						(Start) 11/28/16 04:49		
						(End) 11/28/16 04:50		
Dissolved	Analysis	9251		1	361889	11/20/16 23:18	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:05	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:07	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361787		EAT	TAL CHI
						(Start) 11/17/16 18:10		
						(End) 11/17/16 18:10		
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:41	HMW	TAL CHI

Client Sample ID: MW-16

Lab Sample ID: 500-120174-11

Date Collected: 11/16/16 16:01

Matrix: Water

Date Received: 11/17/16 09:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 07:00	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 19:12	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:41	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363124	11/30/16 15:38	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:17	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
						(Start) 11/23/16 16:18		
						(End) 11/23/16 16:18		
Dissolved	Analysis	9038		2	362534		CLB	TAL CHI
						(Start) 11/28/16 04:50		
						(End) 11/28/16 04:51		
Dissolved	Analysis	9251		1	361889	11/20/16 23:19	HMW	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-16

Date Collected: 11/16/16 16:01

Date Received: 11/17/16 09:25

Lab Sample ID: 500-120174-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:09	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:10	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361787		EAT	TAL CHI
					(Start)	11/17/16 18:10		
					(End)	11/17/16 18:11		
Dissolved	Analysis	SM 4500 NO3 F		20	362110	11/22/16 22:20	HMW	TAL CHI

Client Sample ID: MW-09

Date Collected: 11/17/16 09:47

Date Received: 11/18/16 08:45

Lab Sample ID: 500-120174-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 07:27	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 19:31	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363134	11/30/16 17:00	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		10	362994	11/30/16 11:37	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:45	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:19	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:18		
					(End)	11/23/16 16:19		
Dissolved	Analysis	9038		10	362534		CLB	TAL CHI
					(Start)	11/28/16 04:51		
					(End)	11/28/16 04:52		
Dissolved	Analysis	9251		1	361889	11/20/16 23:19	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:14	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:21	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361782		EAT	TAL CHI
					(Start)	11/18/16 20:31		
					(End)	11/18/16 20:31		
Dissolved	Analysis	SM 4500 NO3 F		5	362110	11/22/16 22:20	HMW	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-11

Lab Sample ID: 500-120174-13

Date Collected: 11/17/16 12:01

Matrix: Water

Date Received: 11/18/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 07:54	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 19:51	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		5	362994	11/30/16 11:41	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 12:56	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:20	MJD	TAL CHI
Dissolved	Prep	9010B			362205	11/23/16 12:45	VIP	TAL CHI
Dissolved	Analysis	9014		1	362336		VIP	TAL CHI
					(Start)	11/23/16 16:19		
					(End)	11/23/16 16:19		
Dissolved	Analysis	9038		20	362534		CLB	TAL CHI
					(Start)	11/28/16 04:54		
					(End)	11/28/16 04:55		
Dissolved	Analysis	9251		5	361889	11/20/16 23:20	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:18	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:24	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361782		EAT	TAL CHI
					(Start)	11/18/16 20:31		
					(End)	11/18/16 20:32		
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:47	HMW	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-120174-14

Date Collected: 11/17/16 13:45

Matrix: Water

Date Received: 11/18/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 08:21	PMF	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 20:10	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363134	11/30/16 17:03	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		10	362994	11/30/16 11:44	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 13:00	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:22	MJD	TAL CHI
Dissolved	Prep	9010B			362388	11/25/16 13:20	VIP	TAL CHI
Dissolved	Analysis	9014		1	362563		VIP	TAL CHI
					(Start)	11/25/16 19:11		
					(End)	11/25/16 19:12		

TestAmerica Chicago

MWG13-15_58245
12/2/2016

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-13

Lab Sample ID: 500-120174-14

Date Collected: 11/17/16 13:45

Matrix: Water

Date Received: 11/18/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		100	362534	11/28/16 04:55 (Start) (End) 11/28/16 04:56	CLB	TAL CHI
Dissolved	Analysis	9251		5	361889	11/20/16 23:22	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:23	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:27	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361782	11/18/16 20:32 (Start) (End) 11/18/16 20:32	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:49	HMW	TAL CHI

Client Sample ID: MW-14

Lab Sample ID: 500-120174-15

Date Collected: 11/17/16 15:21

Matrix: Water

Date Received: 11/18/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362139	11/23/16 13:58	JMP	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 20:29	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		5	362994	11/30/16 11:48	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 13:04	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:23	MJD	TAL CHI
Dissolved	Prep	9010B			362388	11/25/16 13:20	VIP	TAL CHI
Dissolved	Analysis	9014		1	362563	11/25/16 19:13 (Start) (End) 11/25/16 19:13	VIP	TAL CHI
Dissolved	Analysis	9038		50	362723	11/29/16 06:58 (Start) (End) 11/29/16 06:59	CLB	TAL CHI
Dissolved	Analysis	9251		5	361889	11/20/16 23:22	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:27	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:29	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361782	11/18/16 20:32 (Start) (End) 11/18/16 20:32	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:51	HMW	TAL CHI

TestAmerica Chicago

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-15

Lab Sample ID: 500-120174-16

Date Collected: 11/17/16 16:40

Matrix: Water

Date Received: 11/18/16 08:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362139	11/23/16 14:24	JMP	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 20:49	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	363134	11/30/16 17:06	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		5	362994	11/30/16 11:52	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 13:08	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:24	MJD	TAL CHI
Dissolved	Prep	9010B			362388	11/25/16 13:20	VIP	TAL CHI
Dissolved	Analysis	9014		1	362563		VIP	TAL CHI
					(Start)	11/25/16 19:13		
					(End)	11/25/16 19:13		
Dissolved	Analysis	9038		25	362723		CLB	TAL CHI
					(Start)	11/29/16 06:59		
					(End)	11/29/16 07:00		
Dissolved	Analysis	9251		5	361889	11/20/16 23:23	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:31	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:32	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361782		EAT	TAL CHI
					(Start)	11/18/16 20:32		
					(End)	11/18/16 20:32		
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:55	HMW	TAL CHI

Client Sample ID: MW-12

Lab Sample ID: 500-120174-17

Date Collected: 11/18/16 13:20

Matrix: Water

Date Received: 11/18/16 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362139	11/23/16 14:50	JMP	TAL CHI
Total/NA	Analysis	314.0		1	140149	11/30/16 21:47	JCB	TAL SAC
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		2	362994	11/30/16 11:56	FXG	TAL CHI
Dissolved	Prep	Soluble Metals			362830	11/29/16 14:37	PFK	TAL CHI
Dissolved	Analysis	6020A		1	362994	11/30/16 13:11	FXG	TAL CHI
Dissolved	Prep	7470A			361666	11/20/16 16:30	MJD	TAL CHI
Dissolved	Analysis	7470A		1	361865	11/21/16 13:26	MJD	TAL CHI
Dissolved	Prep	9010B			362388	11/25/16 13:20	VIP	TAL CHI
Dissolved	Analysis	9014		1	362563		VIP	TAL CHI
					(Start)	11/25/16 19:13		
					(End)	11/25/16 19:14		

TestAmerica Chicago

MWG13-15_58247
12/2/2016

Lab Chronicle

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

TestAmerica Job ID: 500-120174-1

Client Sample ID: MW-12

Lab Sample ID: 500-120174-17

Date Collected: 11/18/16 13:20

Matrix: Water

Date Received: 11/18/16 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		20	362723	11/29/16 07:00 (Start) 11/29/16 07:01 (End)	CLB	TAL CHI
Dissolved	Analysis	9251		5	361889	11/20/16 23:23	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	362729	11/29/16 08:42	CRB	TAL CHI
Dissolved	Analysis	SM 2540C		1	361708	11/21/16 03:36	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	361793	11/19/16 18:35	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	361780	11/19/16 15:58 (Start) 11/19/16 15:58 (End)	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO3 F		1	362110	11/22/16 21:58	HMW	TAL CHI

Client Sample ID: Trip Blank

Lab Sample ID: 500-120174-18

Date Collected: 11/18/16 00:00

Matrix: Water

Date Received: 11/18/16 19:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	362066	11/23/16 01:39	PMF	TAL CHI

Laboratory References:

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

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

TestAmerica Chicago

Certification Summary

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

TestAmerica Job ID: 500-120174-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

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

Laboratory: TestAmerica Sacramento

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

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

TestAmerica Chicago

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Chicago

2417 Bond St.
University Park, IL 60484
708-634-6200
Fax: 708-634-8211

Report To:

Contact: Rich Gnat
Company: KPRG & Associates Inc.
Address: 14866 W. Lialson Rd. Suite 2B
Brookfield, WI
Phone: 262-781-0475
Fax:
Email:

Bill To:

Contact: 500-120174 COC
Company:
Address:
Phone:
Fax:
PO #:

Lab Lot # 500-120174

Package Sealed
Yes No
Samples Sealed
Yes No

Received on ice
Yes No
Samples intact
Yes No

Temperature °C of Cooler
4.8

Within Hold Time
Yes No
Preserv. Indicated
Yes No N/A

pH Check OK
Yes No
Res Cl₂ Check OK
Yes No N/A

Sample Labels and COC Agree
Yes No
COC not present

Additional Analyses / Remarks

Ref#	# / Cont.	Volume	Preserv.	Matrix	# of Cont.
1	1				7
2	1				
3	1				
4	1				
5	1				
6	1				

Client Project #
12313.1
TestAmerica Project Number:
50008027
Date Required
Hard Copy: / /
Fax: / /

Client Sample ID	Sampling Date	Time
MW-02	11-15-16	09:02
MW-03	11-15-16	10:20
MW-04	11-15-16	11:30
MW-05	11-15-16	12:52
MW-08	11-15-16	14:51
DUPLICATE	11-15-16	

Sampler Name:
Ian John Howleson
Project Name:
Powerton Station Ash Ponds
Project Location:
Peekin, IL
Lab PM:
Eric Lang

Laboratory ID	Client Sample ID	Sampling Date	Time
1	MW-02	11-15-16	09:02
2	MW-03	11-15-16	10:20
3	MW-04	11-15-16	11:30
4	MW-05	11-15-16	12:52
5	MW-08	11-15-16	14:51
6	DUPLICATE	11-15-16	

RELINQUISHED BY: *[Signature]* DATE: 11-15-16 TIME: 17:45
RELINQUISHED BY: *[Signature]* DATE: 11-16-16 TIME: 08:50
COMPANY: KPRG COMPANY: TA
RECEIVED BY: *[Signature]* DATE: 11-16-16 TIME: 08:50
RECEIVED BY: *[Signature]* DATE: 11-16-16 TIME: 08:50

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. Widemouth Glasses 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

Comments:
Date Received: 11-16-16
Courier: FX
Hand Delivered
Bill of Lading: 1 of 1
PAGE 1 of 1
STL-8208 (0600)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60484
 708-534-3200
 Fax: 708-534-5211

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

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

Lab Lot # 500-120174
 Package Sealed Yes No
 Samples Sealed Yes No
 Repacked on Ice Yes No
 Samples Intact Yes No
 Temperature °C of Cooler 3.6

Sampler Name:	Client Project #	Refrg #	Preserv.	Volume	# of Cont	NO2 dissolved	Additional Analyses / Remarks
Ian John Howieson	12313.1						
Project Name: Poweron Station Ash Ponds	TestAmerica Project Number: 50008027						
Project Location: Pekin, IL	Date Required						
Lab PM: Eric Lang	Herd Copy: /						
Laboratory ID	Client Sample ID	Sampling Date	Time	Matrix	W	W	W
7	MW-01	11-16-16	14:32	W	1	X	
8	MW-06	11-16-16	09:55	W	1	X	
9	MW-07	11-16-16	11:50	W	1	X	
10	MW-10	11-16-16	13:02	W	1	X	
11	MW-16	11-16-16	16:01	W	1	X	
				W			
				W			
				W			
				W			
				W			
				W			
				W			
				W			

RELINQUISHED BY: *ESH* DATE: 11-16-16 TIME: 18:00
 COMPANY: KPRG
 RECEIVED BY: *Felix* DATE: 11/17/16 TIME: 09:25
 COMPANY: *THAT*

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

Container Key
 1. Plastic
 2. VOA Vial
 3. Sterile Plastic
 4. Amber Glass
 5. Vidmouth 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: 11/17/16
 Courier:
 Hand Delivered:
 Bill of Lading: *FX STD*
 PAGE 1 of 1

STL-8208 (0600)

MWG13-15_58251
 12/2/2016

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Chicago
 2417 Bond St.
 University Park, IL 60
 708-634-6200
 Fax: 708-634-6211 500-120-74 COC



Report To: Rich Gnat
 Contact: KPRG & Associates Inc.
 Company: 14866 W. Lisbon Rd. Suite 2B
 Address: Brookfield, WI
 Phone: 262-781-0475
 Fax:
 Email:

Bill To: Rich Gnat
 Contact: KPRG & Associates Inc.
 Company: 14866 W. Lisbon Rd. Suite 2B
 Address: Brookfield, WI
 Phone: 262-781-0475
 Fax:
 PO #:

Lab Lot # 500-120174
 Package Sealed Yes No
 Samples Sealed Yes No
 Reporting on Ice Yes No
 Samples Intact Yes No
 Temperature °C of Cooler 2.4
 Preserv. Indicated Yes No N/A
 Res Cl₂ Check OK Yes No N/A
 Sample Labels and COC Agree Yes No
 COC not present

Sampler Name:	Client Project #	Refrig #	NO ₂ dissolved	Additional Analyses / Remarks				
Ian John Howieson	12313.1	# / Cont.						
Project Name: Powerton Station Ash Ponds	TestAmerica Project Number: 50008027	Volume Preserv.						
Project Location: Pekin, IL	Date Required	Matrix						
Lab PM: Eric Lang	Hard Copy: / /	# of Cont.						
Laboratory ID	Client Sample ID	Sampling Date	Time	Volume Preserv.	Matrix	# of Cont.	NO ₂ dissolved	Additional Analyses / Remarks
13	MW-09	11-17-16	09:47	W	W	1	X	
14	MW-11	11-17-16	12:01	W	W	1	X	
15	MW-13	11-17-16	13:45	W	W	1	X	
16	MW-14	11-17-16	15:21	W	W	1	X	
	MW-15	11-17-16	16:40	W	W	1	X	
				W	W			
				W	W			
				W	W			
				W	W			
				W	W			
				W	W			

RELINQUISHED BY: ISH of KPRG COMPANY: KPRG DATE: 11-17-16 TIME: 18:15
 RECEIVED BY: FEDER COMPANY: TH-CAT DATE: 11/18/16 TIME: 08:45

Matrix Key	Container Key	Preservative Key
WW = Washwater W = Water S = Soil SL = Sludge MS = Miscellaneous OL = Oil A = Air	1. Plastic 2. VOA Vial 3. Sterile Plastic 4. Amber Glass 5. Widemouth 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

COMMENTS: Bill of Lading: PAGE 1 of 1
 STL-8208 (0800) MWG13-15-58252 12/2/2016
 Page 68 of 78

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING
 TestAmerica Chicago
 2417 Bord St
 University Park, IL 60484
 708-634-5200
 Fax: 708-634-6211

Report To:
 Contact: Rich Gnat
 Company: KPRG & Associates Inc.
 Address: 14695 W Lisbon Rd, Suite 2B
 Brookfield, WI
 Phone: 262-781-0476
 Fax:
 Email:

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

Lab Lot # 500-120174
 Package Sealed Yes No
 Recvd on Ice Yes No
 Samples Intact Yes No N/A
 Temperature °C of Cooler
 3.5, 0.4, 2.8, 2.3, 5.6, 5.3-7.50

Sampler Name: Ian John Howieson	Client Project # 12313.1	Refrg # # / Cont.	Matrix	NO ₂ , dissolved	NO ₃ +NO ₂ dissolved	Cyanide, dissolved	BTX	Perchlorate	Sample Labels and COC Agree Yes No	Preserv. Indicated Yes No N/A
Project Name: Powerton Station Ash Ponds	TestAmerica Project Number: 60008027									
Project Location: Pekin, IL	Date Required Hard Copy: / /									
Lab PM: Eric Lang										
Laboratory ID	Client Sample ID	Sampling Date Time								
7	MW-01	11-16-16 14:32	W	X	X	X	X	X	X	X
1	MW-02	11-15-16 09:02	W	X	X	X	X	X	X	X
2	MW-03	11-15-16 10:20	W	X	X	X	X	X	X	X
3	MW-04	11-15-16 11:30	W	X	X	X	X	X	X	X
4	MW-05	11-15-16 12:32	W	X	X	X	X	X	X	X
8	MW-06	11-16-16 09:55	W	X	X	X	X	X	X	X
9	MW-07	11-16-16 11:50	W	X	X	X	X	X	X	X
5	MW-08	11-15-16 14:51	W	X	X	X	X	X	X	X
12	MW-09	11-11-16 09:47	W	X	X	X	X	X	X	X
10	MW-10	11-16-16 13:02	W	X	X	X	X	X	X	X
13	MW-11	11-17-16 12:01	W	X	X	X	X	X	X	X



500-120174 COC

RELINQUISHED BY: ISH COMPANY: KPRG DATE: 11-18-16 TIME: 19:50
 RECEIVED BY: J. P. [Signature] COMPANY: Test America DATE: 11-18-16 TIME: 19:30

Matrix Key WW = Wastewater W = Water S = Soil SL = Sludge MS = Miscellaneous OL = Oil A = Air	Container Key 1. Plastic 2. VOA Vial 3. Sterile Plastic 4. Amber Glass 5. Widemouth Glass 6. Other	Preservative Key 1. HCl, Cool to 4° 2. H ₂ SO ₄ , Cool to 4° 3. HNO ₃ , Cool to 4° 4. NaOH, Cool to 4° 5. NaOH/Zn, Cool to 4° 6. Cool to 4° 7. None	Data Received Courier: / / Hand Delivered <input type="checkbox"/> Bill of Lading:
			COMMENTS:
			DATE: / / TIME:

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 Gnet

Company: KPRG & Associates Inc.

Address: 14665 W. Lisbon Rd. Suite 2B

Brookfield, WI

Phone: 262-781-0475

Fax:

Email:

Bill To:

Contact:

Company:

Address:

Phone:

Fax:

PO #:

Lab Lot # 500-120174

Package Sealed

Yes No

Received on Ice

Yes No

Temperature °C of Cooler

35.0, 4.28, 2.3, 5.6, 5.3, 8.0

Samples Sealed

Yes No

Samples Intact

Yes No N/A

Preserv. Indicated

Yes No N/A

pH Check OK

Yes No

Res CL₂ Check OK

Yes No N/A

Sample Labels and COC Agros

Yes No

COC not present

Additional Analyses / Remarks

Sampler Name:	Client Project #	Refrg #	Matrix	NO ₂ dissolved	NO ₃ +NO ₂ dissolved	Cyanide dissolved	BTX	Perchlorate	Additional Analyses / Remarks
Ian John Howison	12313.1								
Project Name:	TestAmerica Project Number:	Volume							
Poweron Station Ash Ponds	50008027								
Project Location:	Date Required	Preserv.							
Pekin, IL									
Lab PM:	Eric Lang								
Laboratory ID	Client Sample ID	Sampling Date Time							
17	MW-12	11-18-16 13:20	W	X	X	X	X	X	
18	MW-13	11-17-16 13:45	W	X	X	X	X	X	
19	MW-14	11-17-16 15:21	W	X	X	X	X	X	
20	MW-15	11-17-16 16:40	W	X	X	X	X	X	
21	MW-16	11-16-16 16:01	W	X	X	X	X	X	
22	Duplicates	11-15-16	W	X	X	X	X	X	
23	Tripp Blank		W	X	X	X	X	X	
24			W	X	X	X	X	X	
25			W	X	X	X	X	X	
26			W	X	X	X	X	X	
27			W	X	X	X	X	X	
28			W	X	X	X	X	X	
29			W	X	X	X	X	X	
30			W	X	X	X	X	X	

RELINQUISHED BY: ISH COMPANY: KPRG DATE: 11-18-16 TIME: 19:50

RECEIVED BY: [Signature] COMPANY: Test America DATE: 11/18/16 TIME: 19:30

RELINQUISHED BY: _____ COMPANY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ COMPANY: _____ DATE: _____ TIME: _____

Matrix Key: SE = Sediment, SO = Solid, DL = Drum Liquid, DS = Drum Solid, MS = Miscellaneous, OL = Oil, A = 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:

Date Received Courier: _____

Hand Delivered:

Bill of Lading: _____

PAGE 2 of 2



920-120174 W09b11

ORIGIN: IOWA (630) 325-130A
PA JONAH HOLLISON
V REG ORD RESID
414 PLAZA DR STE 106
WESTPNT, IL 60559
UNITED STATES US

RT537
ST 1A

10:30
6525
11:16
A

BILL THIRD PARTY

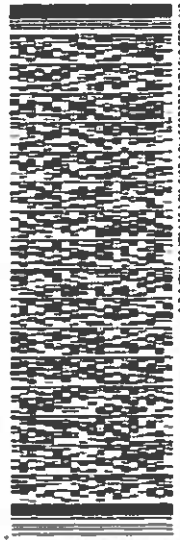
TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484

(709) 534-5200

REF:

REF:



RELX
3783346

TRK# 7846 5710 2301

WED - 16 NOV 3:00P
STANDARD OVERNIGHT

XH JOTA

60484
IL-US ORD



PHN # 1562978363 REF: CCFY930717

14

ORIGIN ID: P100 (630) 325-1300
IWA JOHN HCUJESON
KTRG AND ASSOC
414 PLAZA DR STE 106
WESTMONT, IL 60559
UNITED STATES US

DATE: 15NOV15
ACTWT: 25.30 LB
CNO: 006884780/SSFE1722
DIMS: 18X16X12 IN
BILL THIRD PARTY

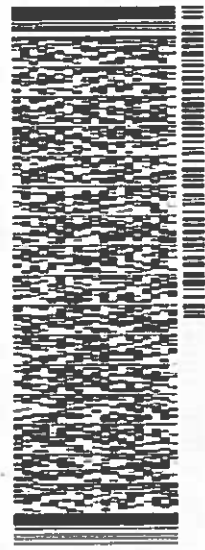
TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST



UNIVERSITY PARK IL 60484

500-120174 Waybill

(708) 634-5200
P21 3EPT1



RELX
3765346

THU - 17 NOV 3:00P

STANDARD OVERNIGHT

AHS

60484

IL-US ORD

TRK# 7846 6965 7566
102011
XH JOTA



ORIGIN ID:PIAA (630) 325-1300
JAN JOHN HONIESON
KPRG 6 6580C
414 PLAZA DR STE 108
WESTMONT IL 60558
UNITED STATES US

TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST

UNIVERSITY PARK IL 60484
(708) 684-6200
PBI

500-120174 Waybill

SHIP DATE: 12MDV16
CTWTGT: 32.40 LB
CNO: 008884780/288FE1722
DIMS: 18x15x12 IN
BILL THIRD PARTY



FedEx
Express



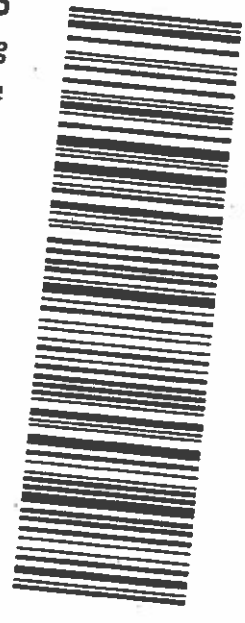
REL# 3785346

FRI - 18 NOV 3:00P
STANDARD OVERNIGHT

TRK# 7846 8192 5033
DEOT

XH JOTA

AHS
60484
IL-US ORD



ORIGIN ID:PIAA (630) 325-1300
IAN JOHN HOWESON
KPRG AND ASSOC
414 PLAZA DR STE 106

SHIP DATE: 18NOV16
ACTWT: 25.90 LB
CAG: 006994780/99FE1722
DIMS: 18X16X12 IN

WESTMONT, IL 60559
UNITED STATES US

BILL THIRD PARTY

TO ERIC LANG
TEST AMERICA CHICAGO
2417 BOND ST



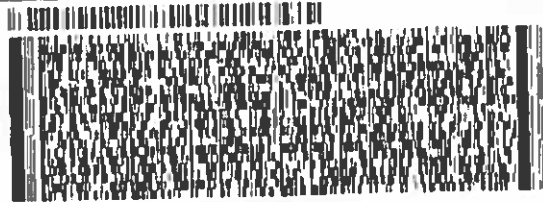
UNIVERSITY PARK IL 60484

500-120-74 Wayd

(708) 634-6200

DEF

POST (PT)



FedEx
Express



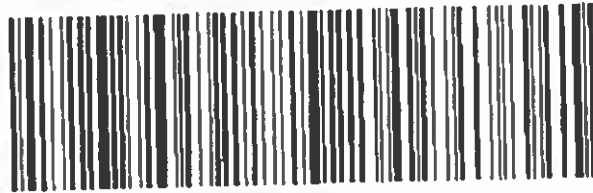
REL#
3785348

TAX# 7846 6965 7566
0201

THU - 17 NOV 3:00P
STANDARD OVERNIGHT

XH JOTA

AHS
60484
IL-US ORD



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15

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)
 Shipping/Receiving
 TestAmerica Laboratories, Inc
 880 Riverside Parkway
 West Sacramento
 CA 95615
 Phone 916.373.5600 (Tel) 916.372.1059 (Fax)
 Email
 Project Name
 Powerion Station CCA
 Site MWG - Powerion

Lab PCL
 Lang, Eric A
 eric.lang@testamericainc.com
 NLLAP - Illinois

Lab PCL
 500-RG617 1
 Page 1 of 2
 Job #
 500-120174-1

Analysis Requested
 A. HCL
 B. NaOH
 C. Zn Acetate
 D. Nickel Acid
 E. NiSO4
 F. NaOH
 G. Arsenic
 H. AlCO3 Acid
 I. Ice
 J. Di Water
 K. HDTA
 L. LCA
 Other

Preservation Codes
 M. Heave
 N. Free
 O. ASNO2
 P. Na2SO4
 Q. Na2SO4
 R. Na2SO4
 S. H2SO4
 T. 15P Durectan/Drake
 U. Acetic
 V. MCAA
 W. pH 1.5
 Z. Other (specify)

Sample ID (Lab ID)	Sample Date	Sample Time	Sample Type (C/C, G/G)	Matrix (Preserve/Drain)	Field Filtered Sample (Yes/No)	Performance (Yes/No)	150 Pouches	Total Number of Containers	Special Instructions/Note
MW-02 (500-120174-1)	11/15/16	09:02 Central	Water	Water	X	X		1	
MW-03 (500-120174-2)	11/15/16	10:20 Central	Water	Water	X	X		1	
MW-04 (500-120174-3)	11/15/16	11:31 Central	Water	Water	X	X		1	
MW-05 (500-120174-4)	11/15/16	12:52 Central	Water	Water	X	X		1	
MW-06 (500-120174-5)	11/15/16	14:51 Central	Water	Water	X	X		1	
DUPLICATE (500-120174-6)	11/15/16	Central	Water	Water	X	X		1	
MW-01 (500-120174-7)	11/16/16	14:32 Central	Water	Water	X	X		1	
MW-06 (500-120174-8)	11/16/16	09:55 Central	Water	Water	X	X		1	
MW-07 (500-120174-9)	11/16/16	11:50 Central	Water	Water	X	X		1	

Possible Hazard Identification
 Return To Client
 Disposal By Lab
 Archive For
 Months

Special Instructions/OC Requirements
 Primary Deliverable Rank 2
 Date 11/21/16 @ 1100
 Received by [Signature]
 Date Time 11/21/16 @ 1100
 Company [Signature]
 Date Time 11/22/16 0950
 Company TAWS

Custody Seal No
 Yes No
 Custody Seal No 1.9
 Cooler Temperature, °C and Other Remarks

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-120174-1

Login Number: 120174

List Source: TestAmerica Chicago

List Number: 1

Creator: Kelsey, Shawn M

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8c,3.6c,2.4,5.0,3.5,0.4,2.8,2.3,5.6
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").	True	
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: 500-120174-1

Login Number: 120174

List Number: 3

Creator: Edman, Connor M

List Source: TestAmerica Sacramento

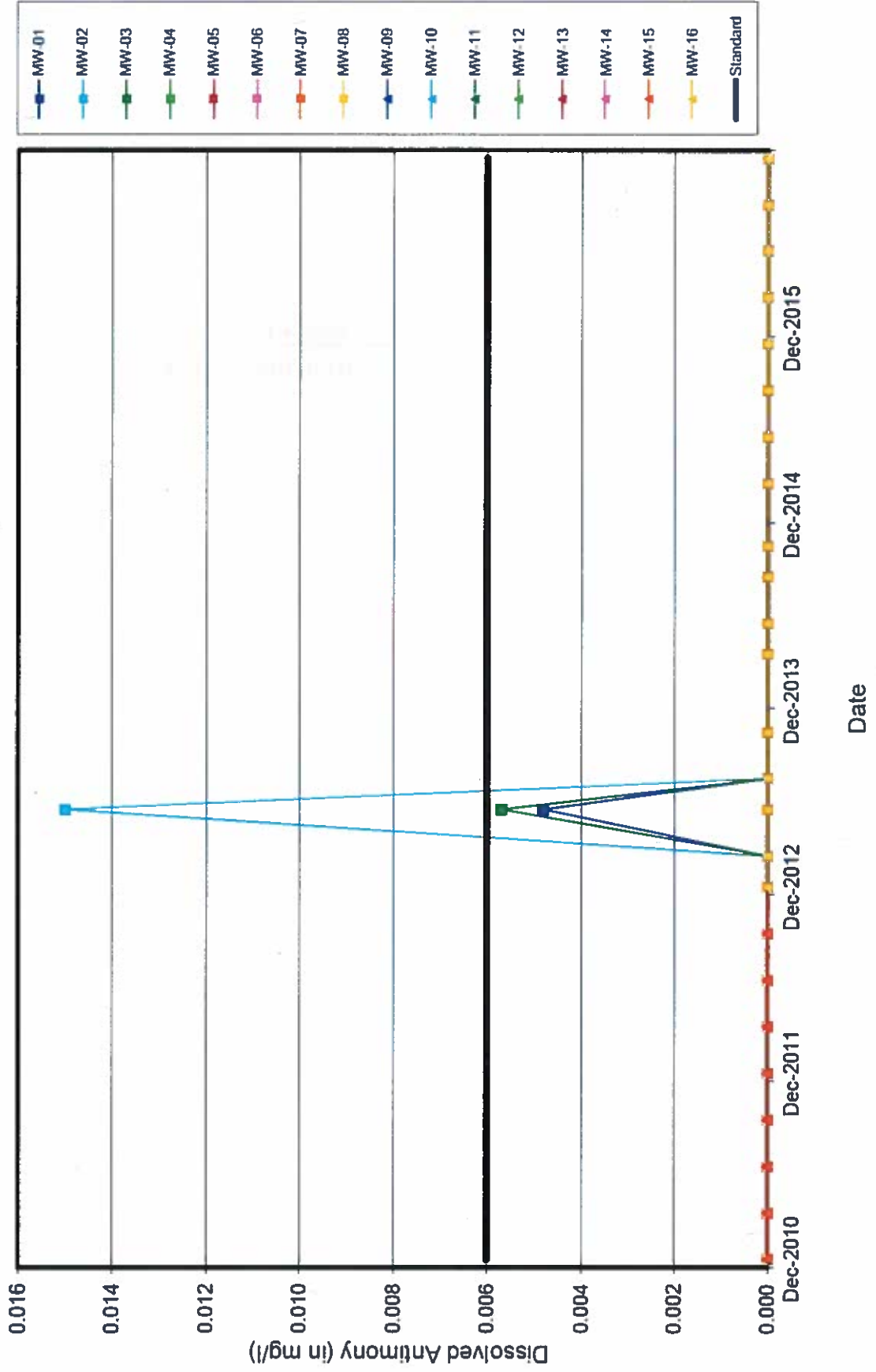
List Creation: 11/22/16 02:26 PM

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	928558
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have 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	not enough 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	

ATTACHMENT 3
Time Vs. Concentration Curves

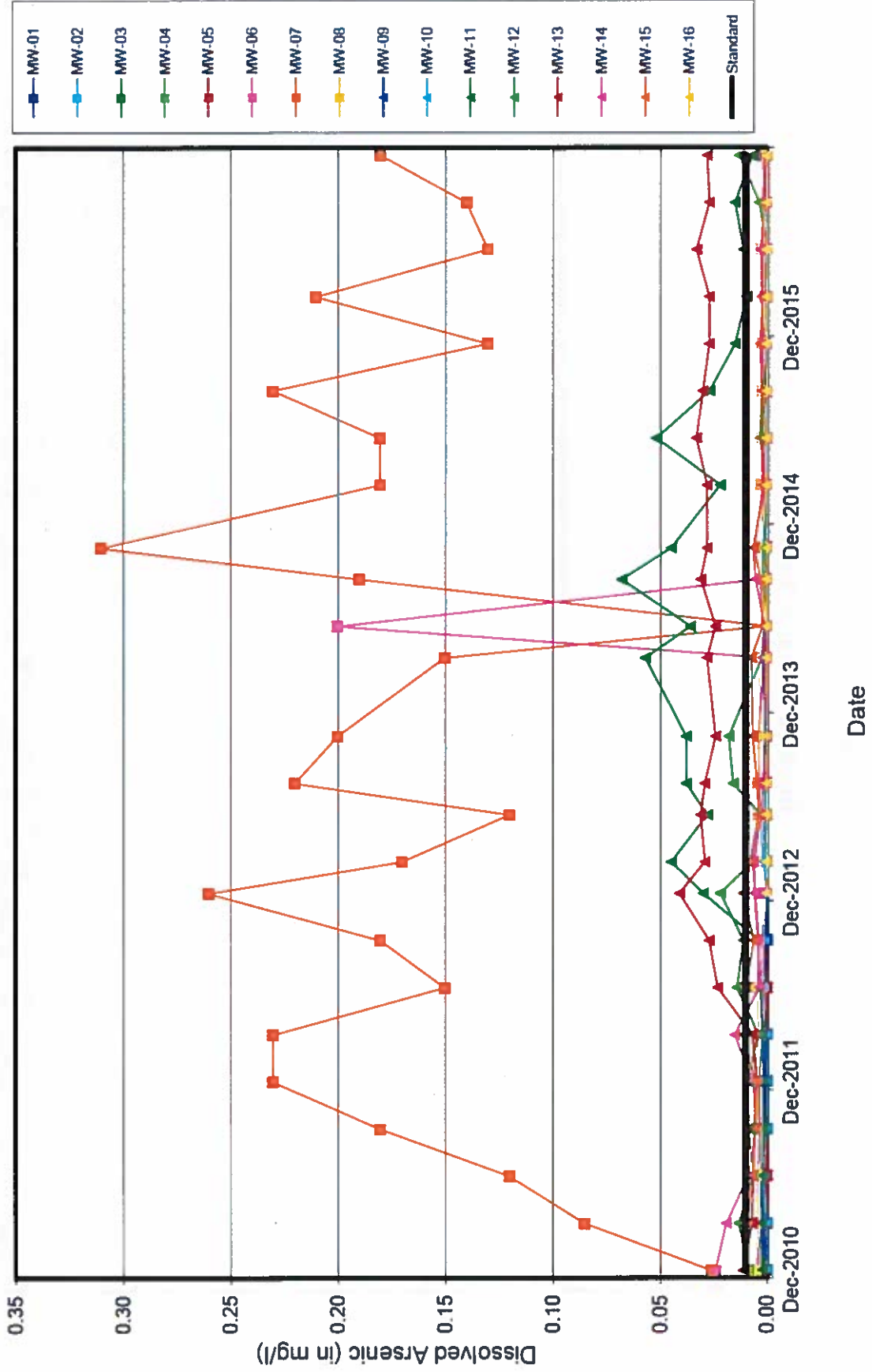
Midwest Generation Powerton Station, Pekin, IL

Dissolved Antimony vs. Time



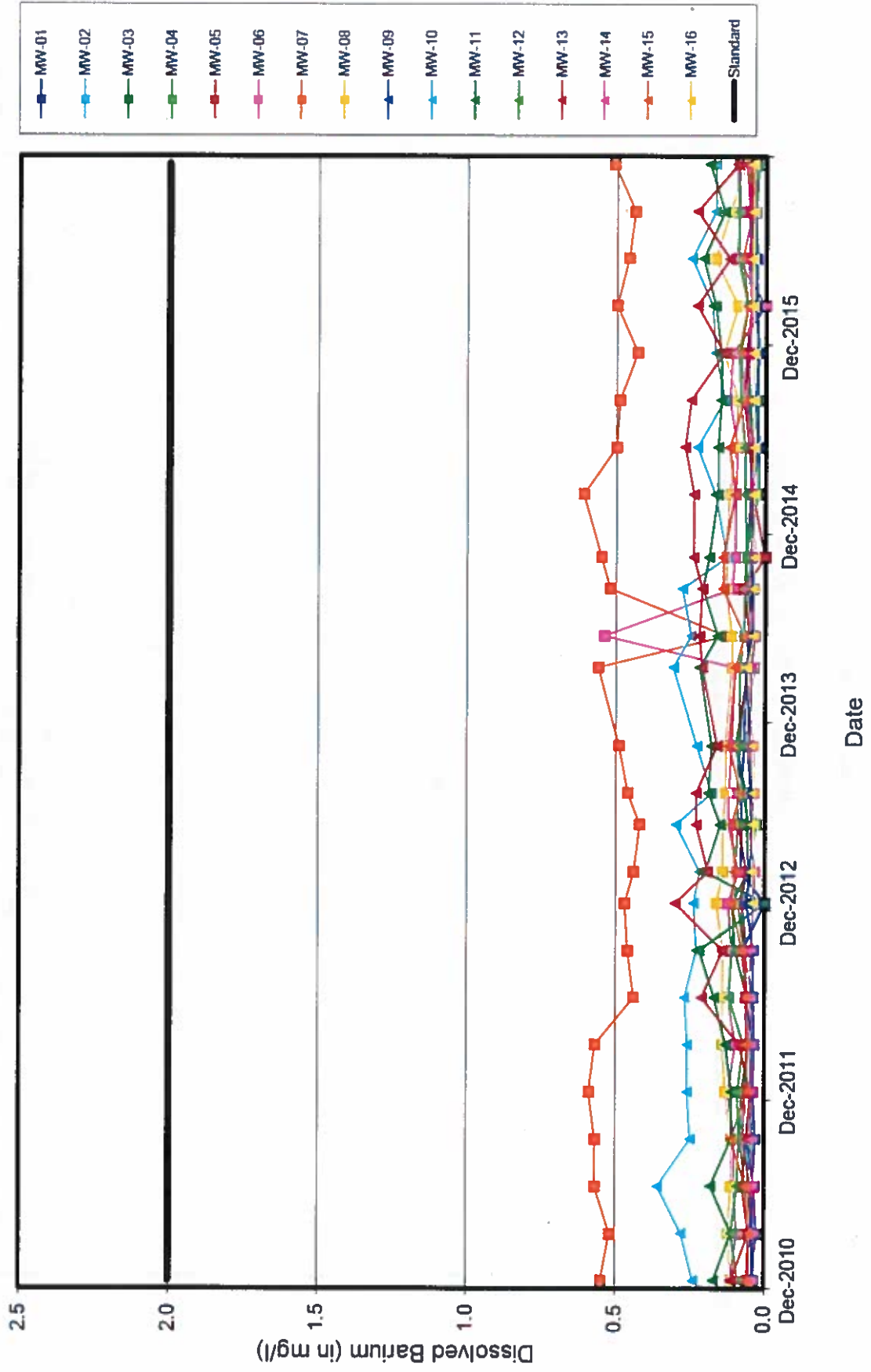
Midwest Generation Powerton Station, Pekin, IL

Dissolved Arsenic vs. Time



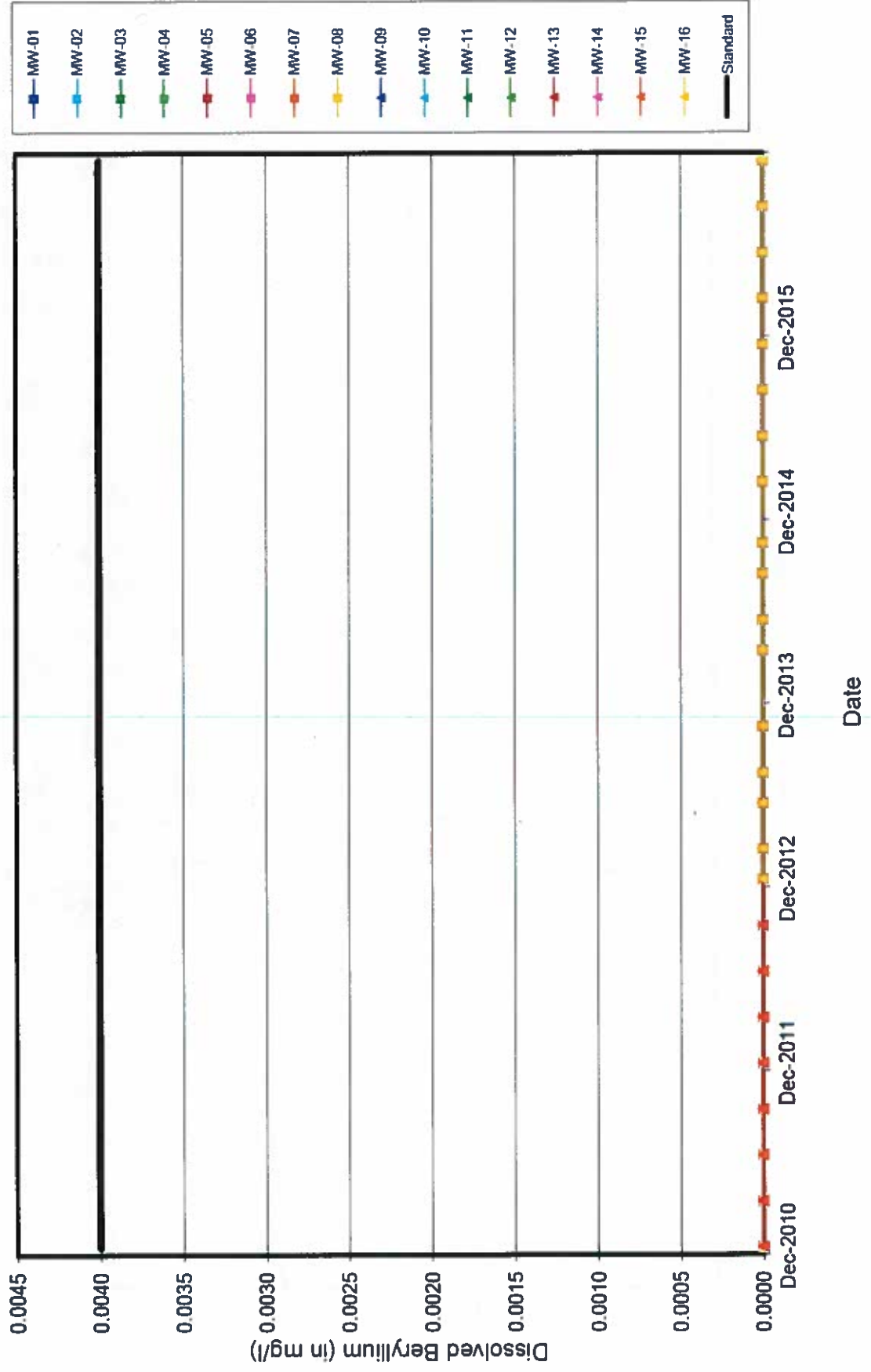
Midwest Generation Powerton Station, Pekin, IL

Dissolved Barium vs. Time



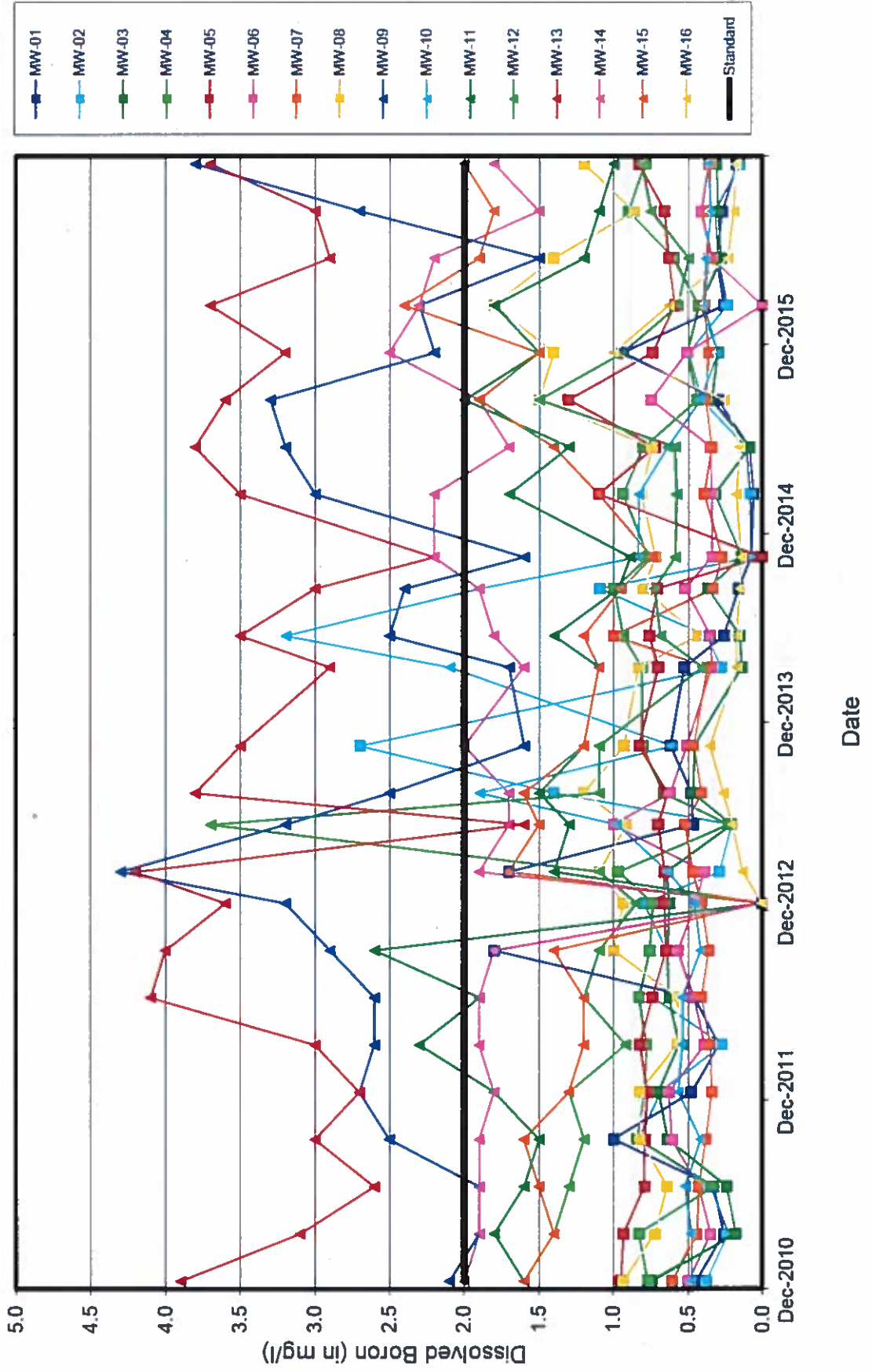
Midwest Generation Powerton Station, Pekin, IL

Dissolved Beryllium vs. Time



Midwest Generation Powerton Station, Pekin, IL

Dissolved Boron vs. Time



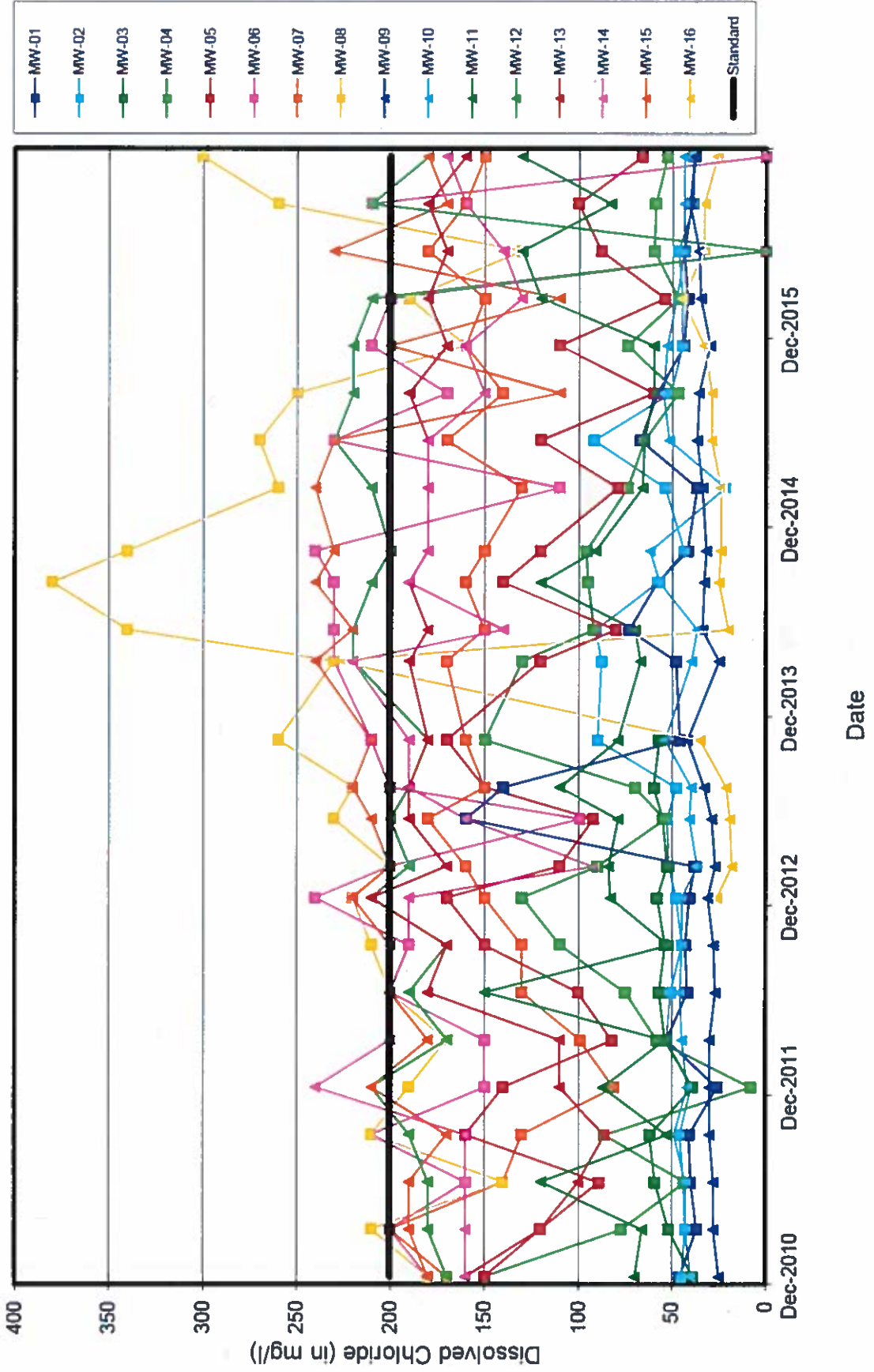
Midwest Generation Powertou Station, Pekin, IL

Dissolved Cadmium vs. Time



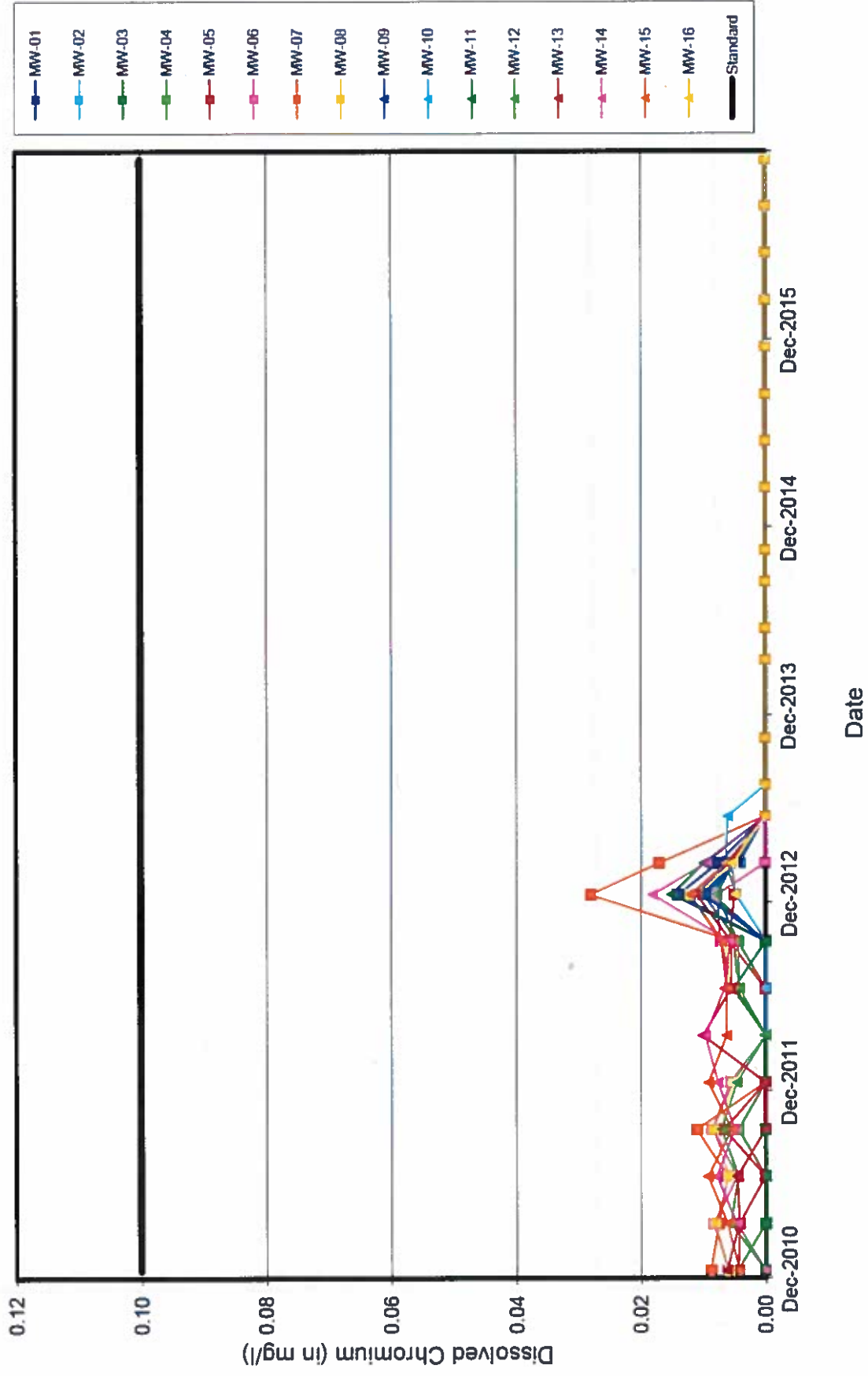
Midwest Generation Powerton Station, Pekin, IL

Dissolved Chloride vs. Time



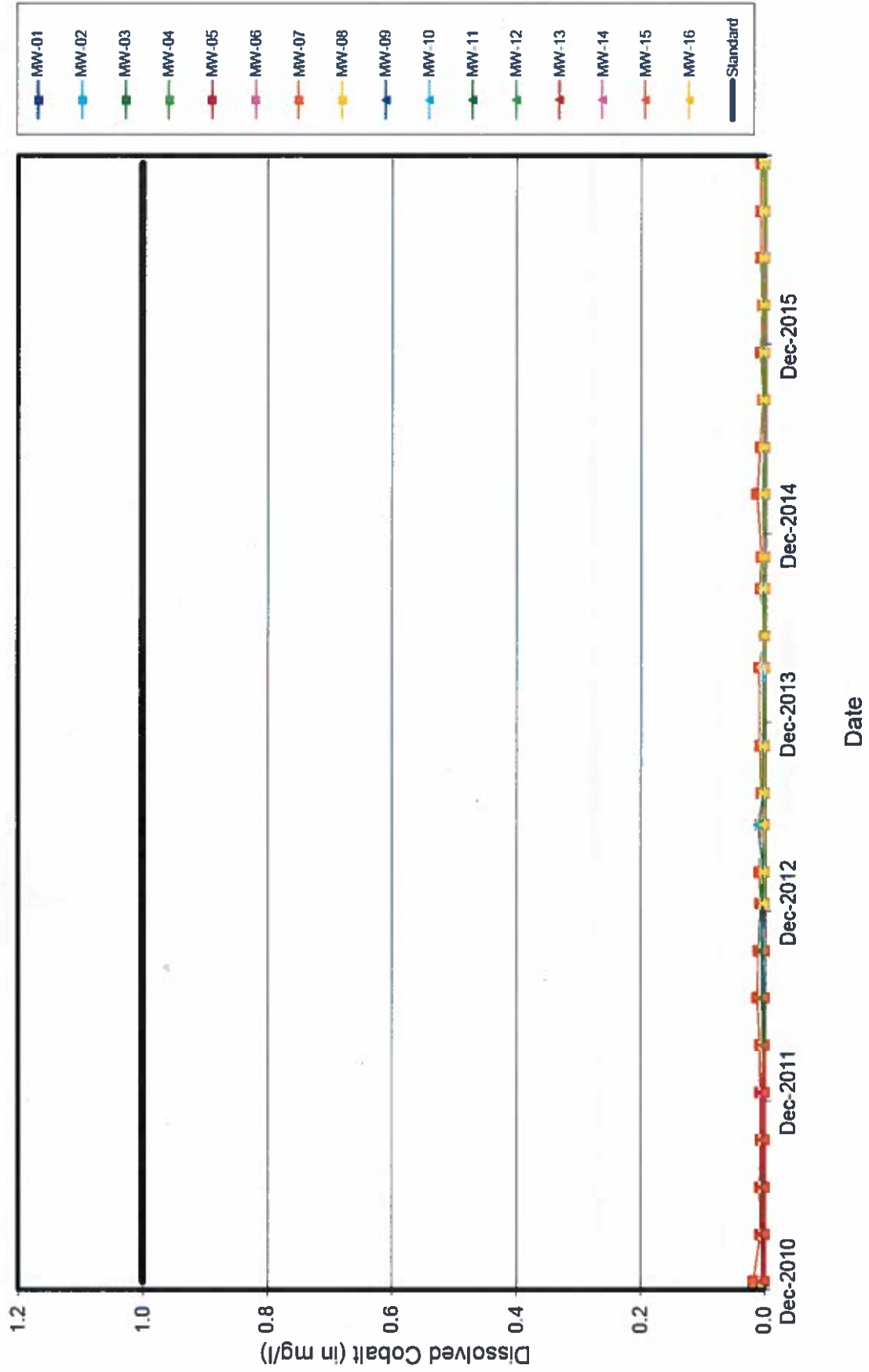
Midwest Generation Powertron Station, Pekin, IL

Dissolved Chromium vs. Time



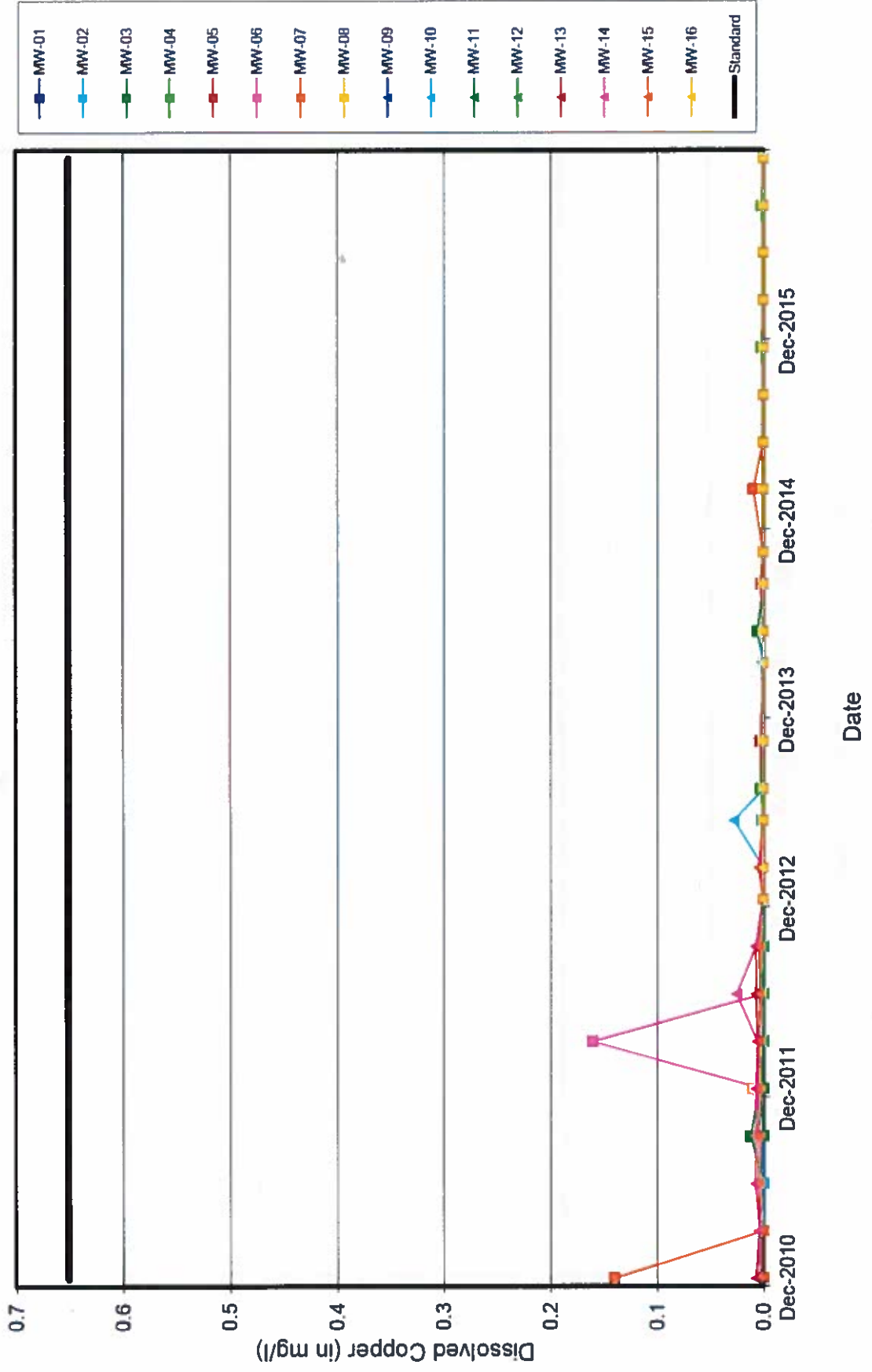
Midwest Generation Powerton Station, Pekin, IL

Dissolved Cobalt vs. Time



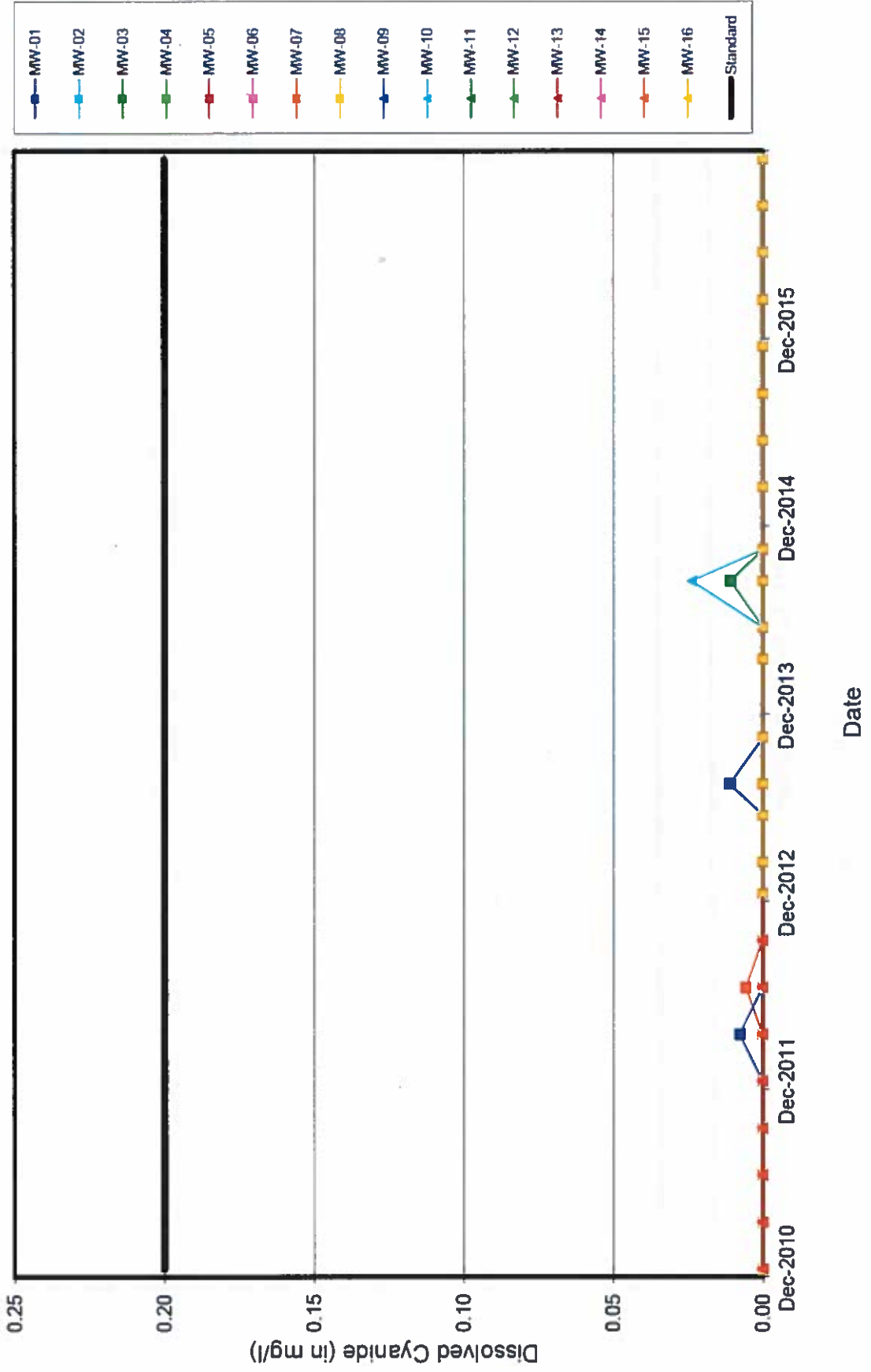
Midwest Generation Powerton Station, Pekin, IL

Dissolved Copper vs. Time



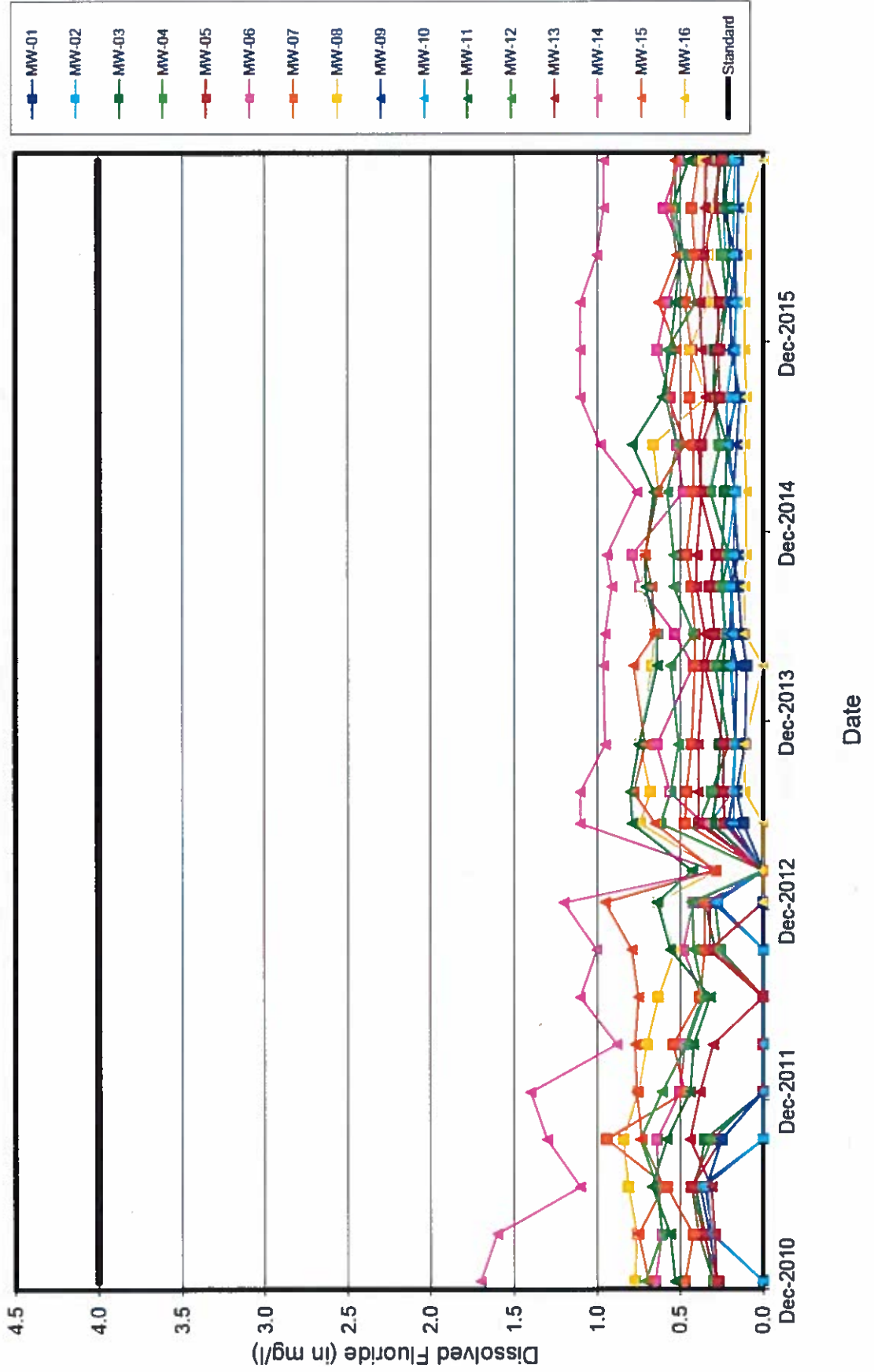
Midwest Generation Powerton Station, Pekin, IL

Dissolved Cyanide vs. Time



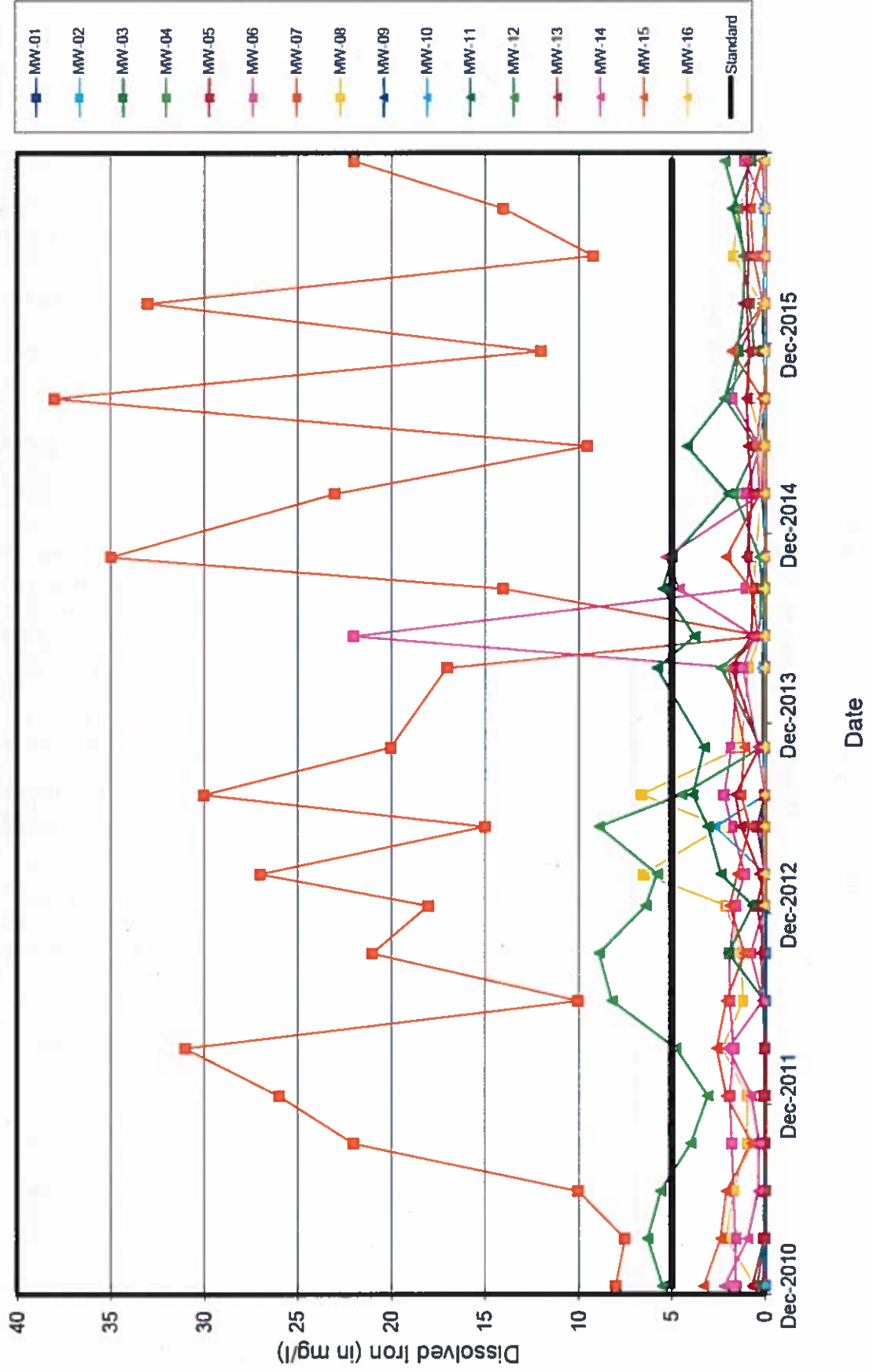
Midwest Generation Powerton Station, Pekin, IL

Dissolved Fluoride vs. Time



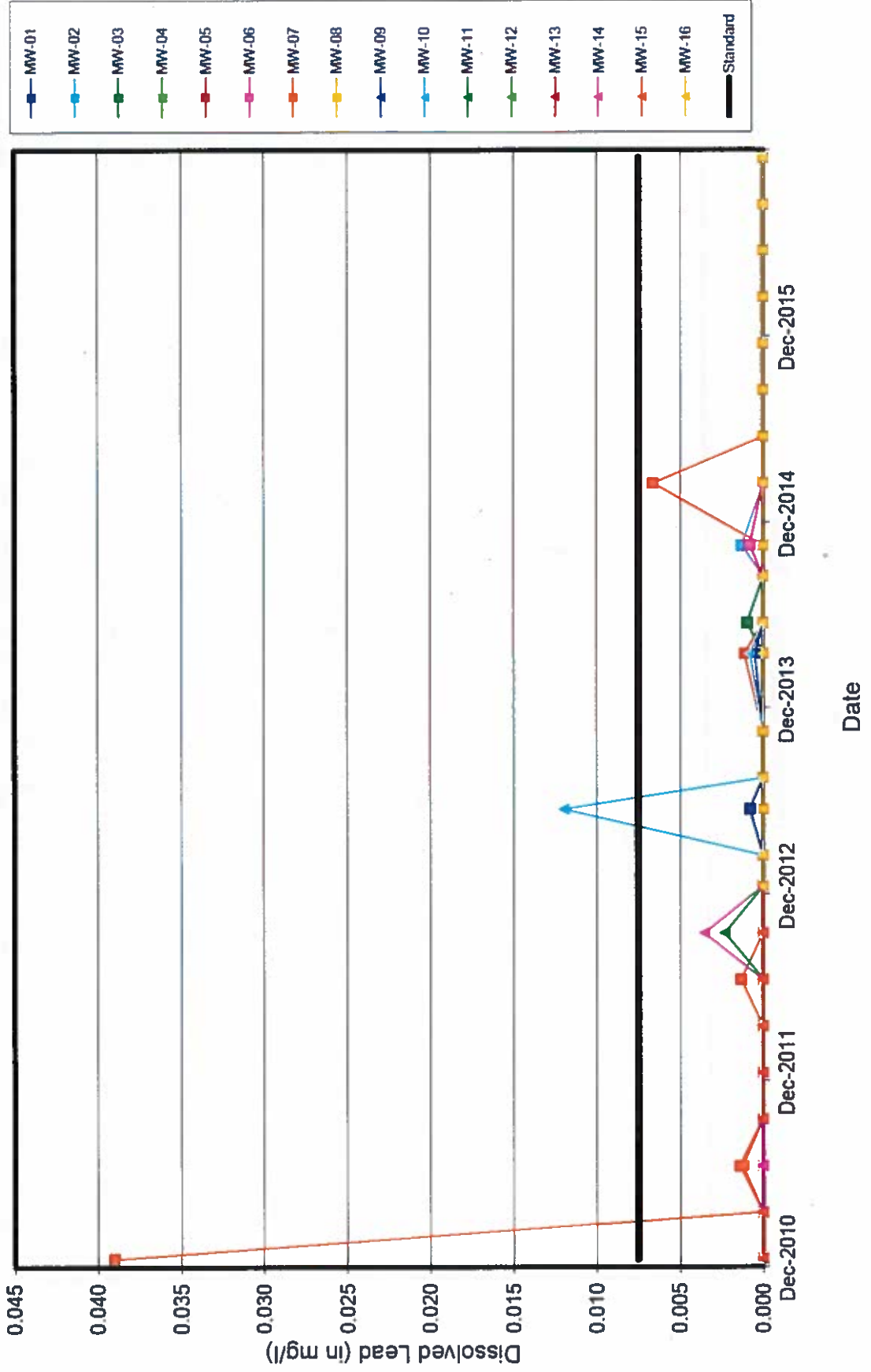
Midwest Generation Powerton Station, Pekin, IL

Dissolved Iron vs. Time



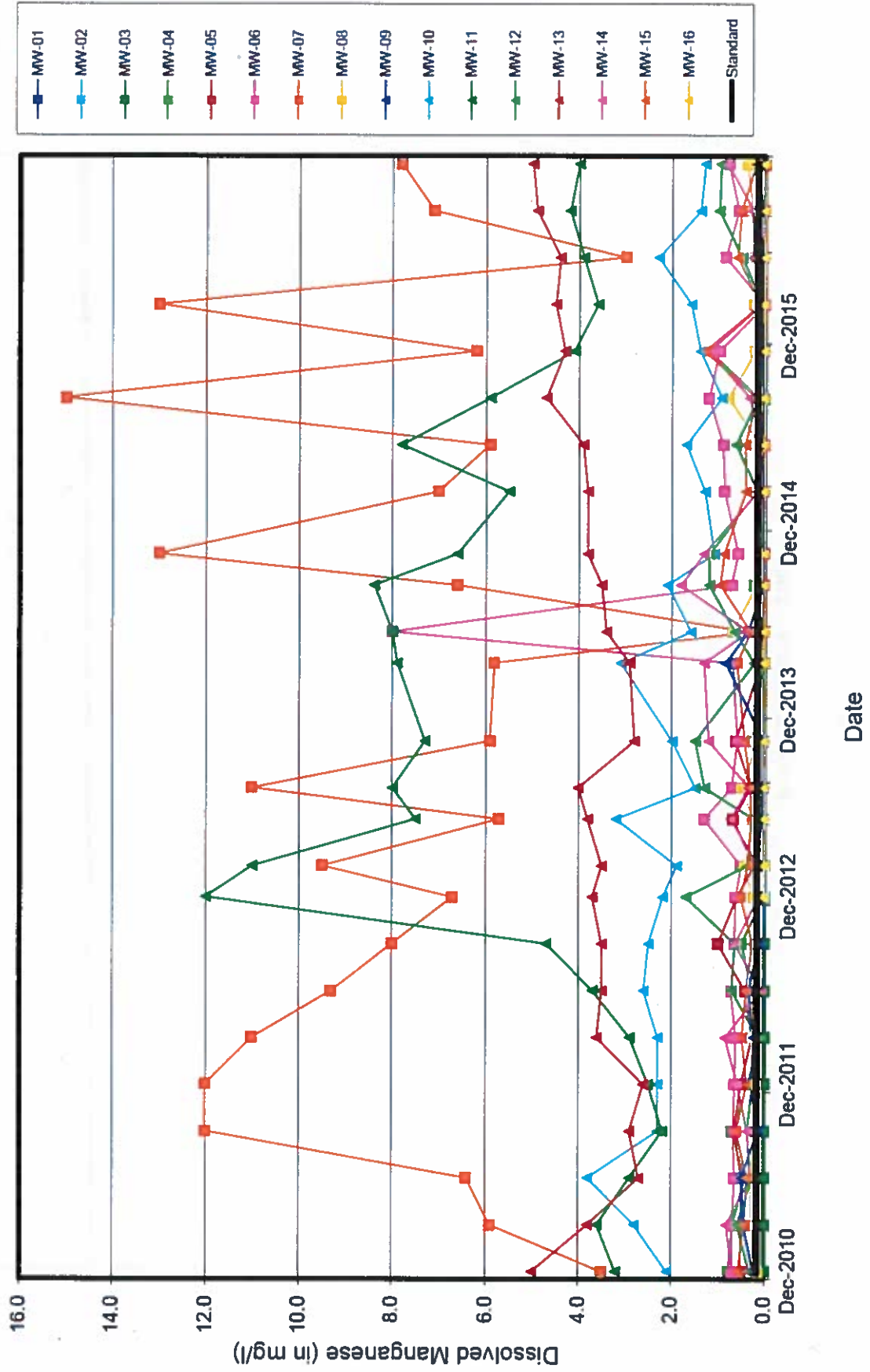
Midwest Generation Powerton Station, Pekin, IL

Dissolved Lead vs. Time



Midwest Generation Powerton Station, Pekin, IL

Dissolved Manganese vs. Time



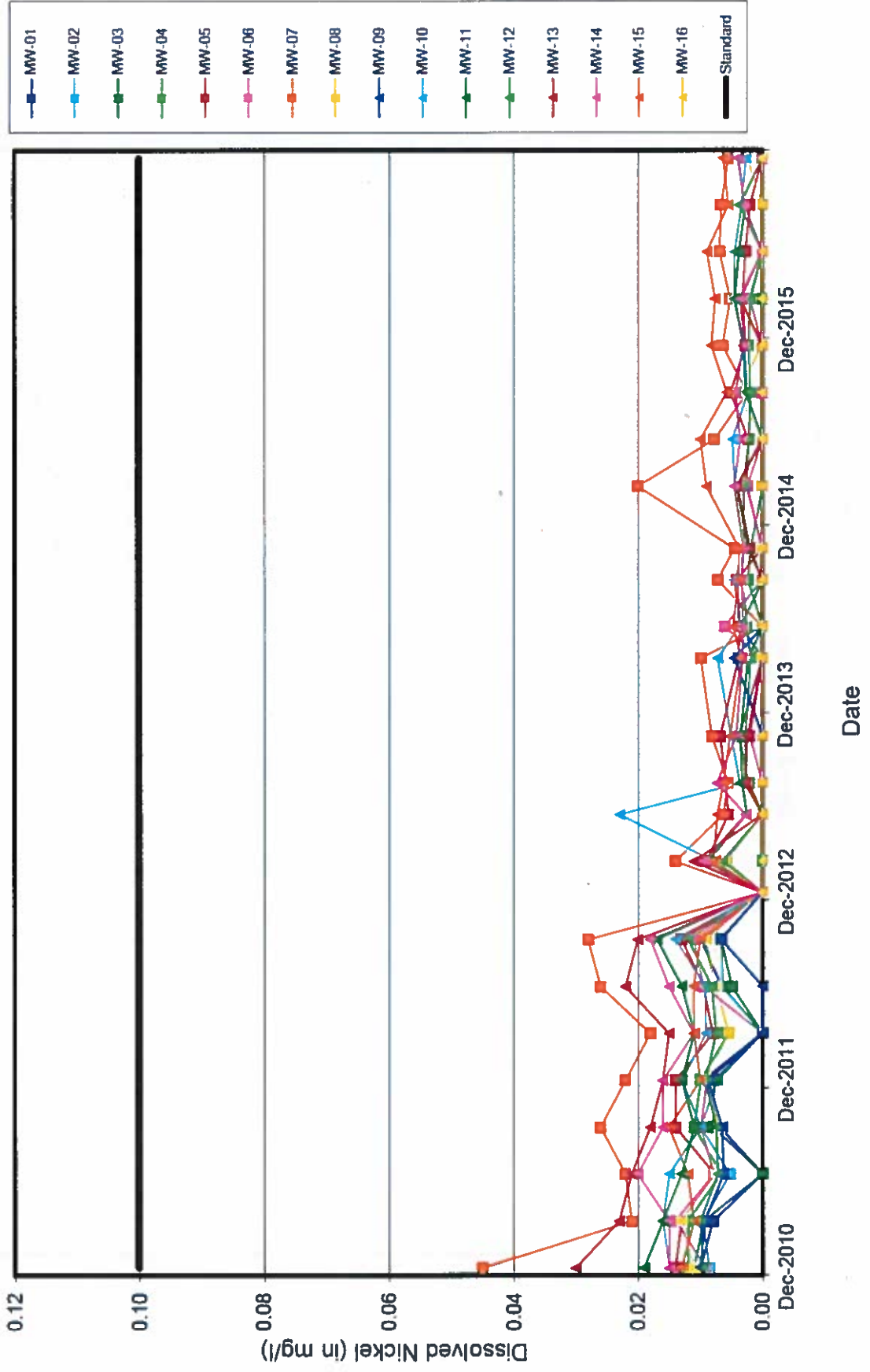
Midwest Generation Powerton Station, Pekin, IL

Dissolved Mercury vs. Time



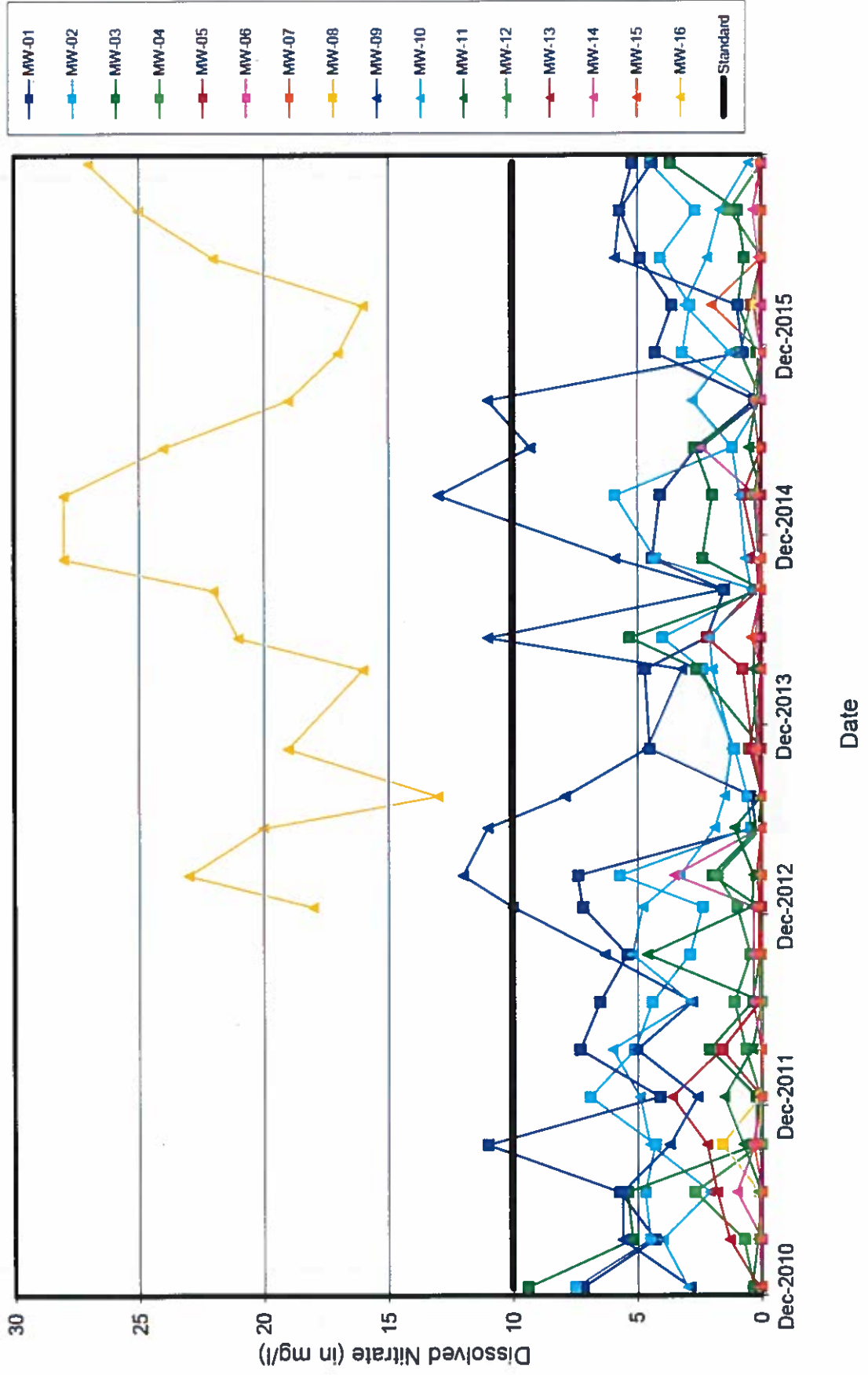
Midwest Generation Powerton Station, Pekin, IL

Dissolved Nickel vs. Time



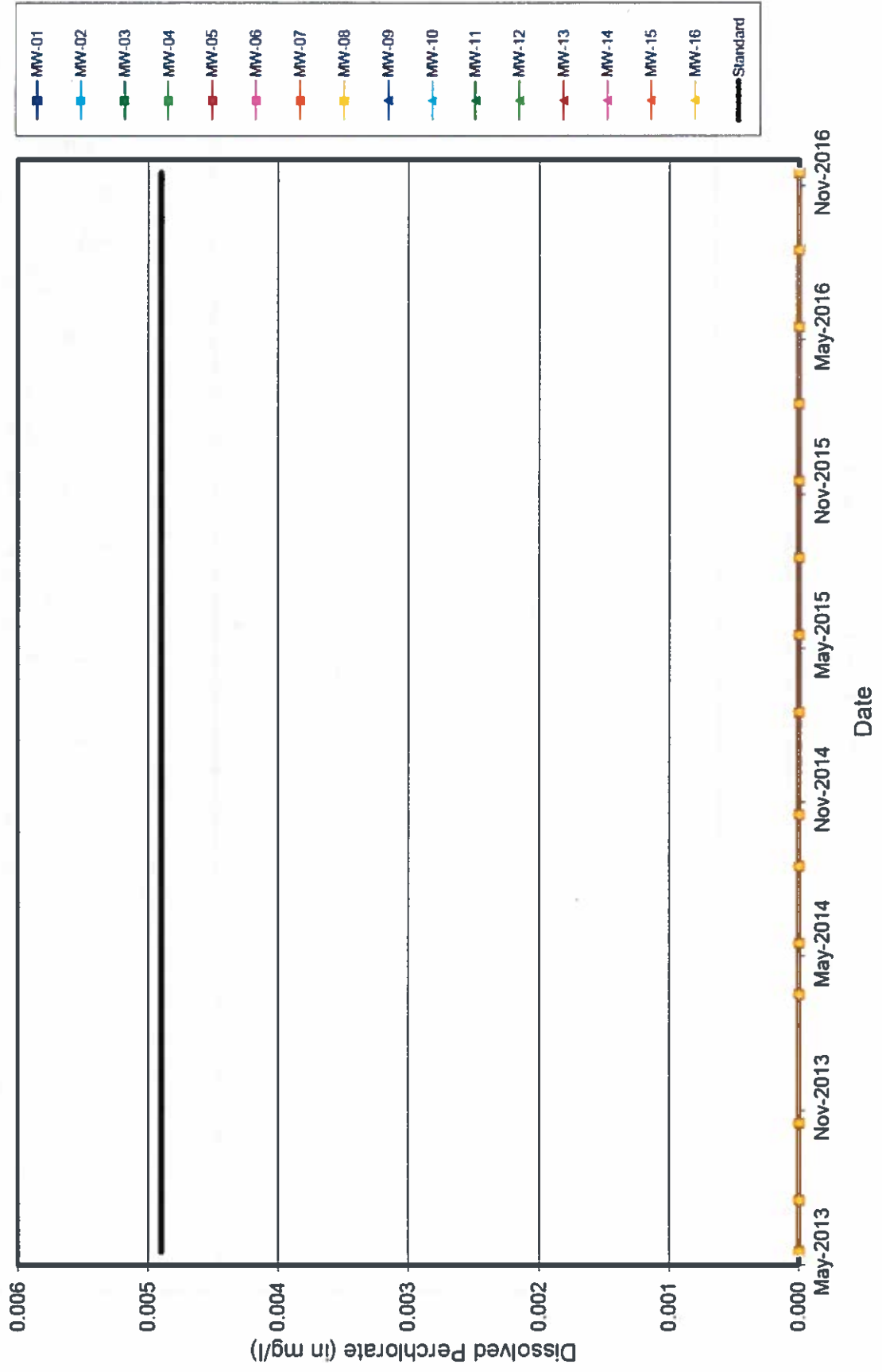
Midwest Generation Powerton Station, Pekin, IL

Dissolved Nitrate vs. Time



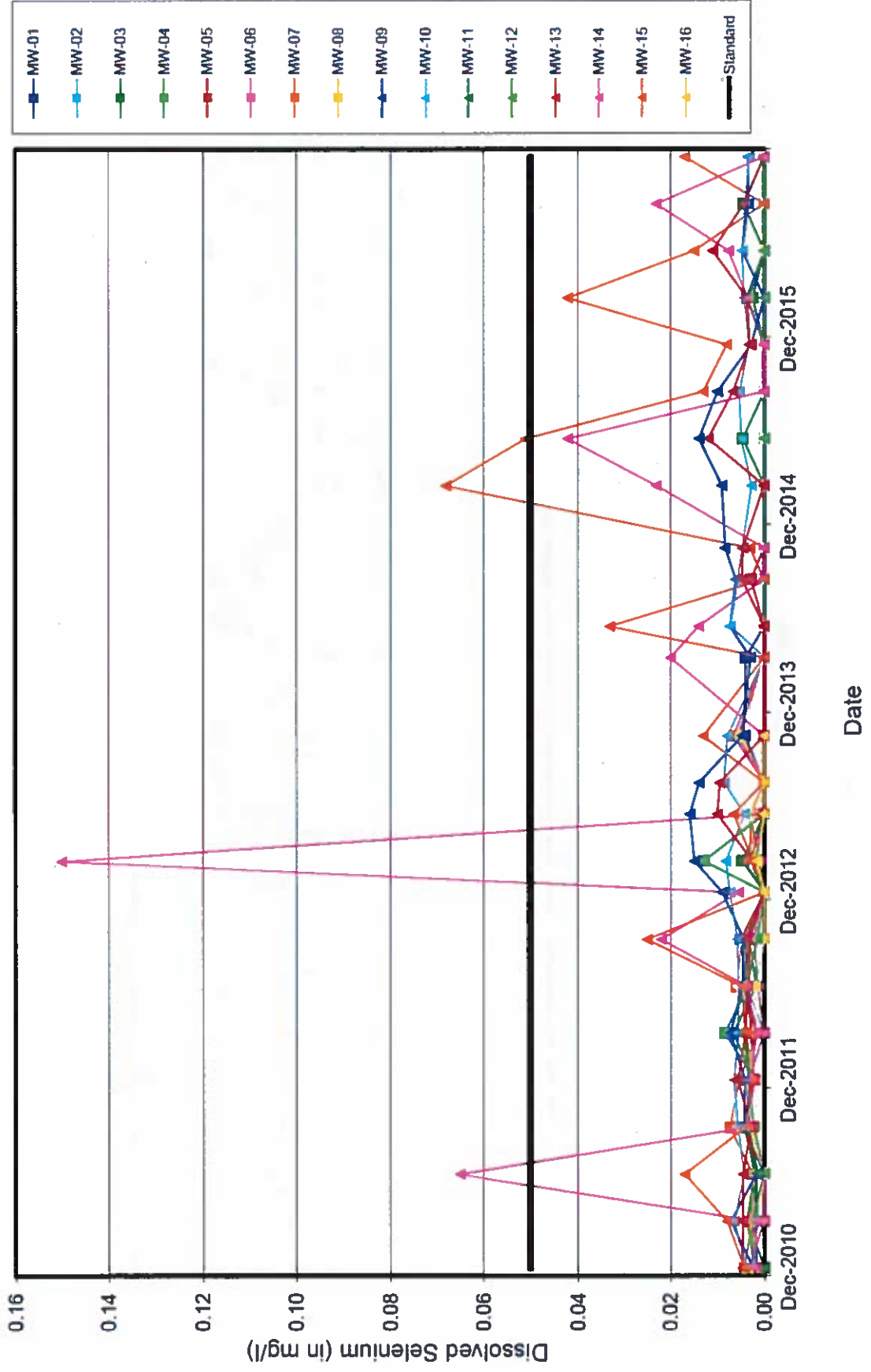
Midwest Generation Powerton Station, Pekin, IL

Dissolved Perchlorate vs. Time



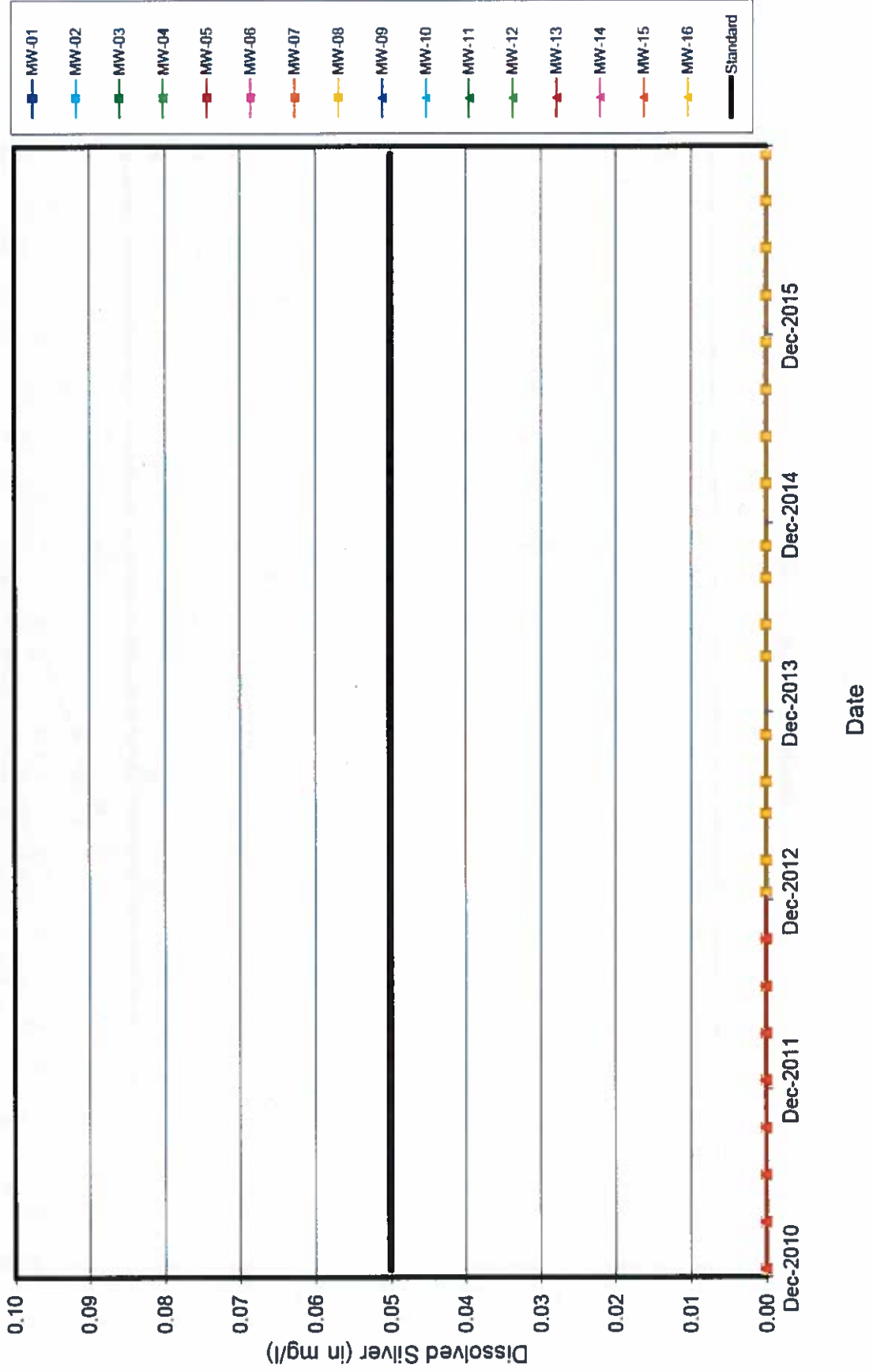
Midwest Generation Powerton Station, Pekin, IL

Dissolved Selenium vs. Time



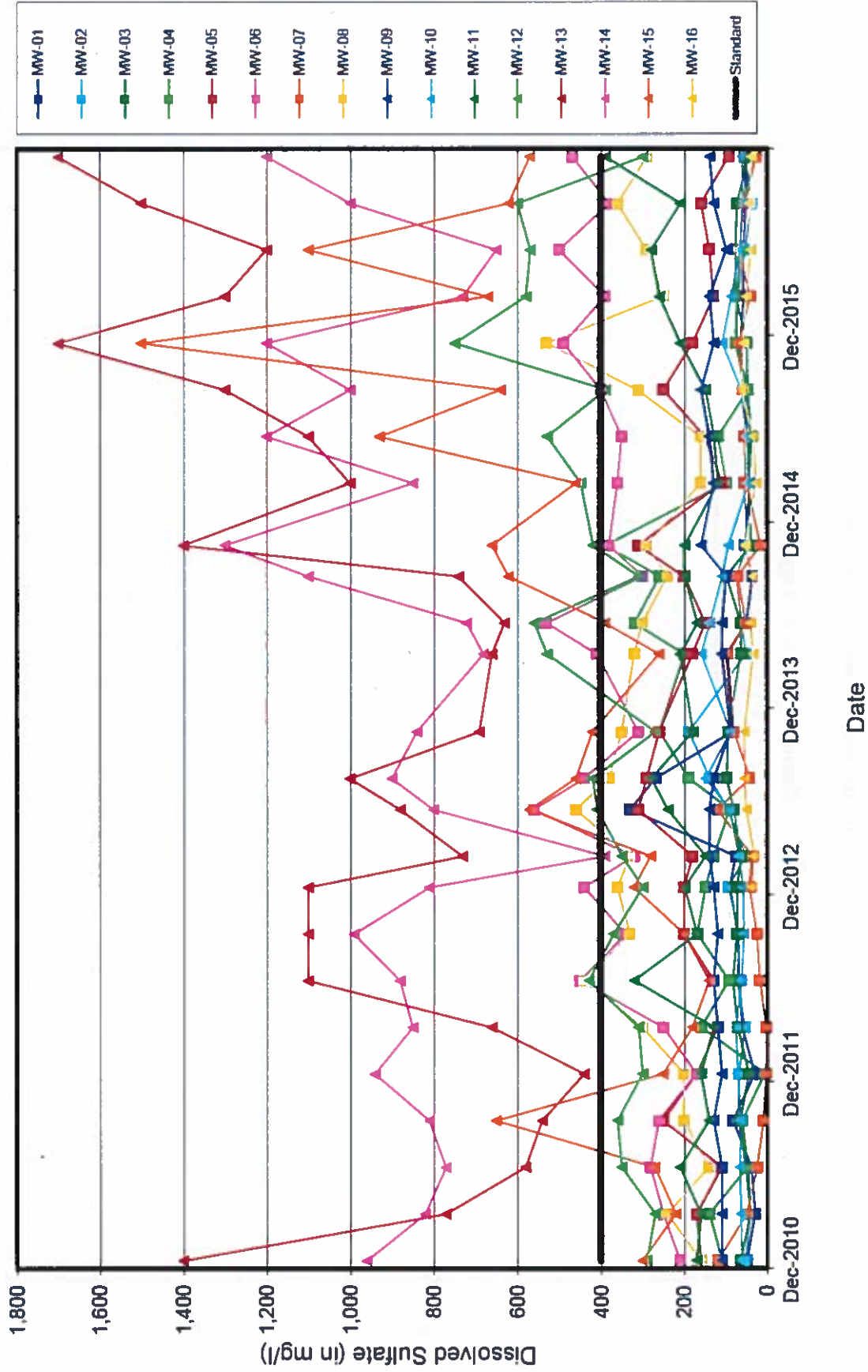
Midwest Generation Powerton Station, Pekin, IL

Dissolved Silver vs. Time



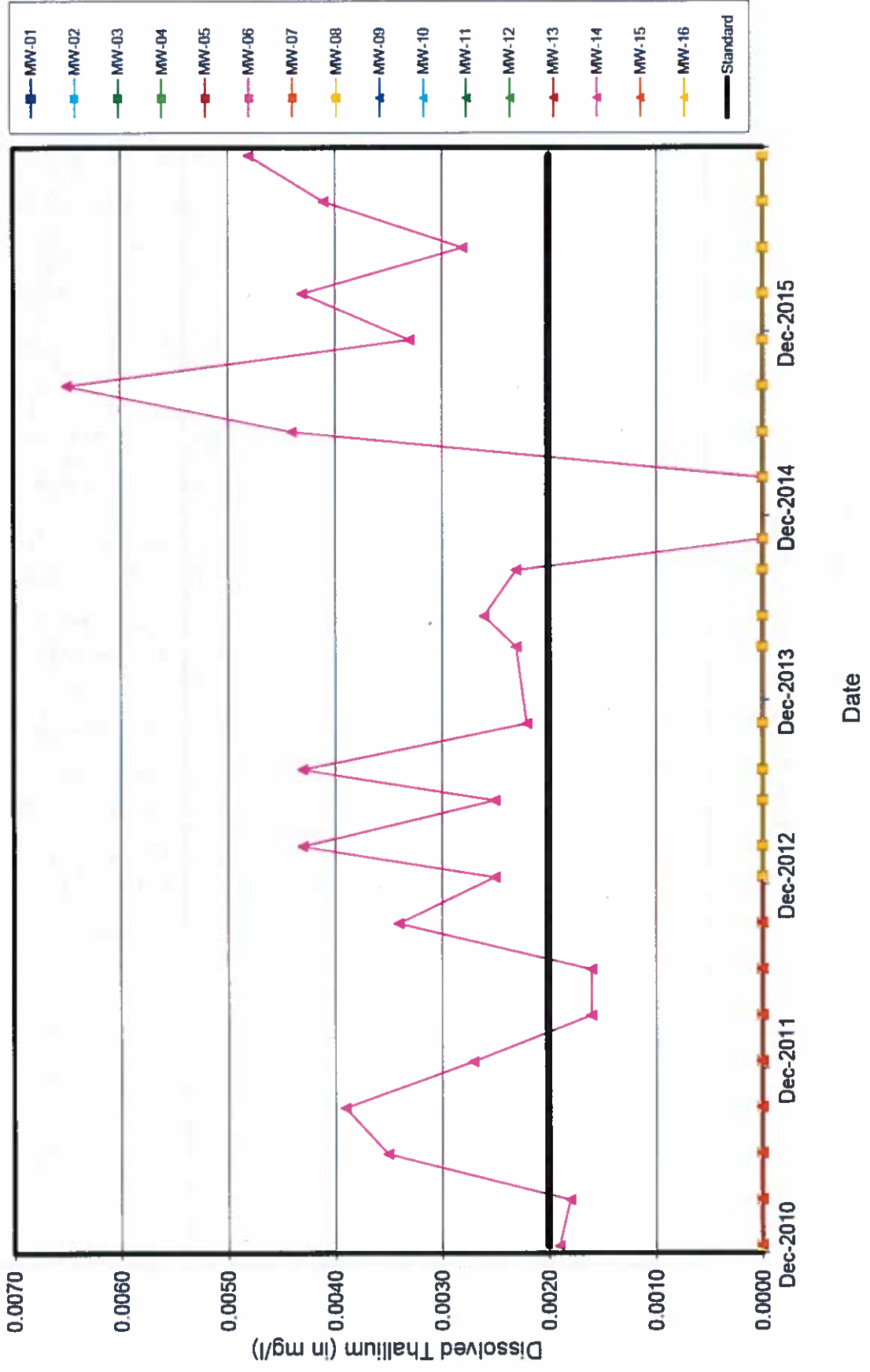
Midwest Generation Powerton Station, Pekin, IL

Dissolved Sulfate vs. Time



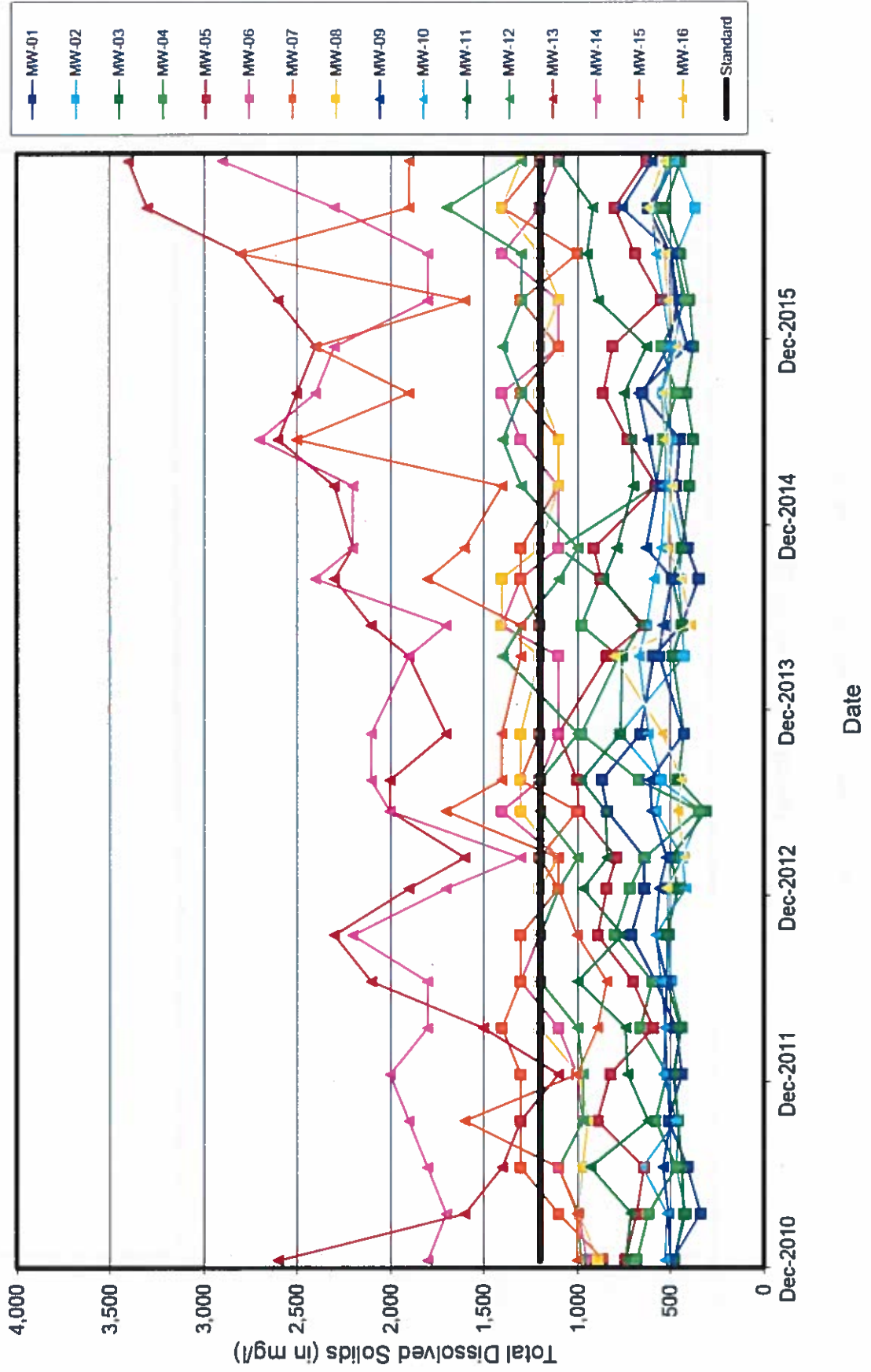
Midwest Generation Powerton Station, Pekin, IL

Dissolved Thallium vs. Time



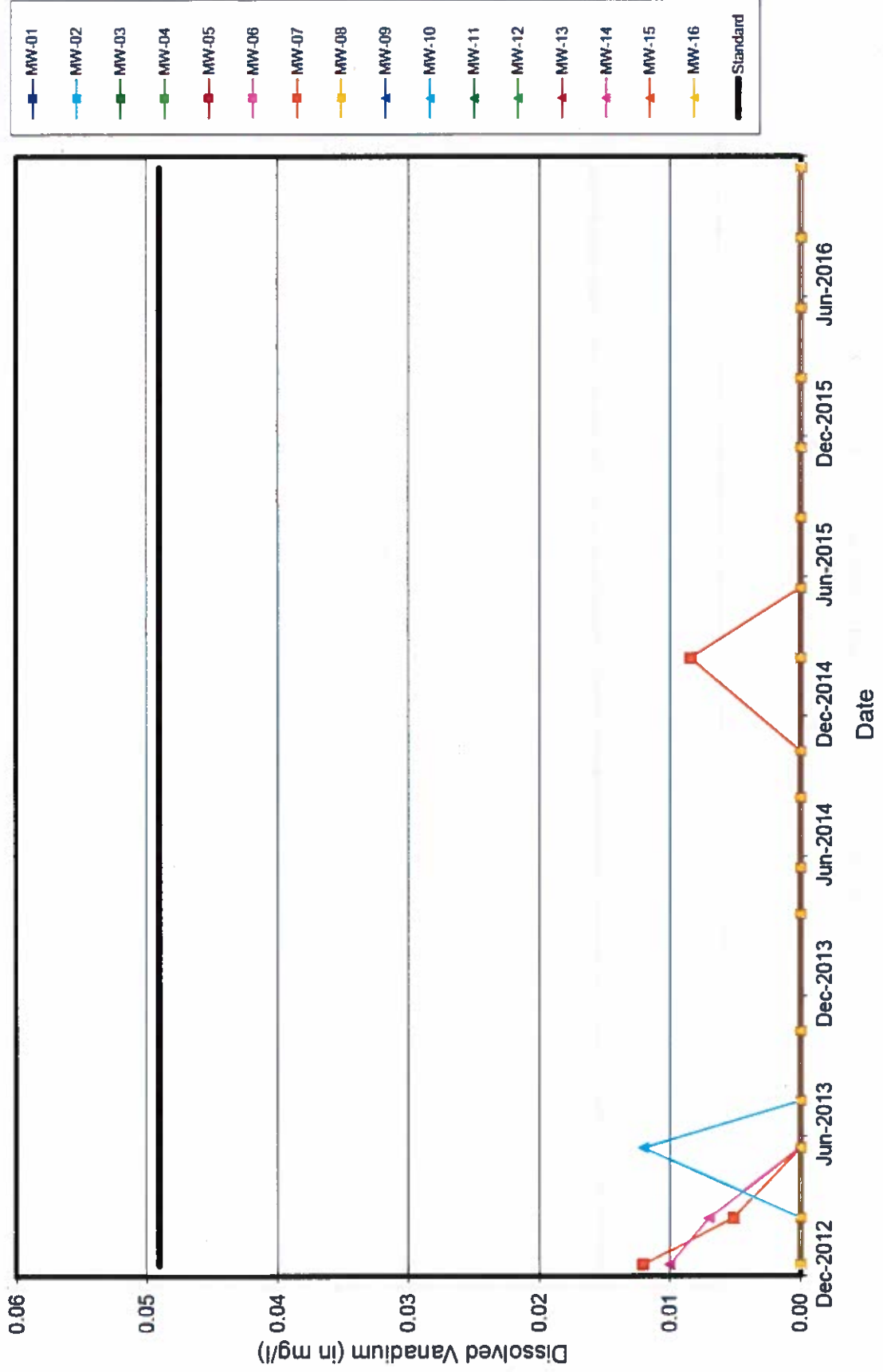
Midwest Generation Powerton Station, Pekin, IL

Total Dissolved Solids vs. Time



Midwest Generation Powerton Station, Pekin, IL

Dissolved Vanadium vs. Time



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Dissolved Zinc vs. Time



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Specific Conductivity vs. Time

