Midwest Generation, LLC
13082 E. Manito Rd.
Pekin, Illinois, 61554

QUARTERLY GROUNDWATER MONITORING REPORT
POWERTON GENERATING STATION

April 24, 2015

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

VIA FEDERAL EXPRESS

Re: Quarterly Groundwater Monitoring Results – First Quarter 2015
Powerton Generating Station – Ash Impoundments
Compliance Commitment Agreement VN W-2012-00057; ID# 6282

Dear Ms. Rhodes:

The first quarterly groundwater sampling for 2015 has been completed for the ash pond monitoring wells located at the Midwest Generation, LLC (Midwest Generation) Powerton Generating Station in accordance with the Compliance Commitment Agreement (CCA) with Illinois Environmental Protection Agency (IEPA) dated October 24, 2012. This quarterly monitoring report summarizes the results of the monitoring event.

Well Inspection and Sampling Procedures

The groundwater monitoring network around the ash ponds at the Powerton facility consists of sixteen wells (MW-1 through MW-16) as shown on Figure 1. As part of sampling procedures, the integrity of all monitoring wells was inspected and water levels obtained using an electronic water level meter (see summary of water level discussion below). All wells were found in good condition with locked protector casings and the concrete surface seals were intact.

Groundwater samples at well locations MW-1 through MW-16 were collected using the low-flow sampling technique. In addition, a surface water grab sample was collected from the discharge of the East Yard Run-off Basin.

Exhibit
1514

MWG13-15_48711

One duplicate sample was collected for quality assurance purposes. In addition, a deionized water trip blank was placed with the sample bottle shipment by the laboratory and accompanied the groundwater samples bottles from and back to the laboratory. The groundwater monitoring samples, the East Yard Run-off Basin sample and the duplicate sample were analyzed for the inorganic compounds listed in Illinois Administrative Code (IAC) 620.410(a), 620.410(d) and 620.410(e), excluding radium 226/228. The trip blank was analyzed for the volatile organic compounds (VOCs) listed in IAC 620.410(d).

Groundwater Flow Evaluation

Water level data from the most recent round of sampling along with historical water levels obtained from each well are summarized in Table 1. As noted in previous submittals, monitoring wells MW-6, MW-8, MW-12, MW-14 and MW-15 are screened within a shallow, localized, saturated clay/silt unit which is underlain by a more extensive sand unit. The remaining eleven monitoring wells have deeper screens, within the more extensive sand unit. The water levels from wells screened in the clay/silt unit and the water levels from monitoring wells screened within the sand unit were evaluated separately and used to generate groundwater flow maps for each unit. 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 north-westerly direction (Figure 3). The flow conditions observed during this sampling are generally consistent with historical conditions reported for the site.

Summary of Analytical Data

A copy of the analytical data package is provided in Attachment 1. The field parameter and groundwater analytical data from the most recent sampling, along with the previous eight quarters of data, are summarized in Table 2. The duplicate sample was collected from well MW-10.

In general, the data are generally consistent with the following general observations: boron concentrations at well MW-14 have stabilized. Sulfate concentrations appear to have stabilized. The previous detection of lead at MW-2 was an anomaly and has returned to non-detect. Iron and manganese have mostly been stable or decreasing. 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.

The data from the East Yard Run-off Basin sampling along with the previous sampling results are summarized in Table 3. This data is consistent with the data from the previous sampling, data. Under the CCA, Midwest Generation was obligated to undertake four quarterly rounds of sampling of the East Yard Run-off Basin. At this time, nine (9) rounds of sampling have occurred. That obligation has been met and exceeded. Accordingly, Midwest Generation respectfully continues to request that the obligation to undertake quarterly sampling at the East Yard Run-off Basin cease.

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

Sincerely,

Dale Green
Station Manager

Attachments

cc: William Buscher, IEPA
William Gaynor, Midwest Generation
Sharene Shealey, Midwest Generation
Elizabeth Quirk-Hendry, NRG Energy
Richard Gnat, KPRG and Associates, Inc.

FIGURES

TABLES

ATTACHMENT 1
Analytical Data Package(s)

FIGURES

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, inc.

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

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

SITE MAP

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: July 17, 2013

KPRG Project No. 12313.1 | FIGURE 1

MWG13-15_48718

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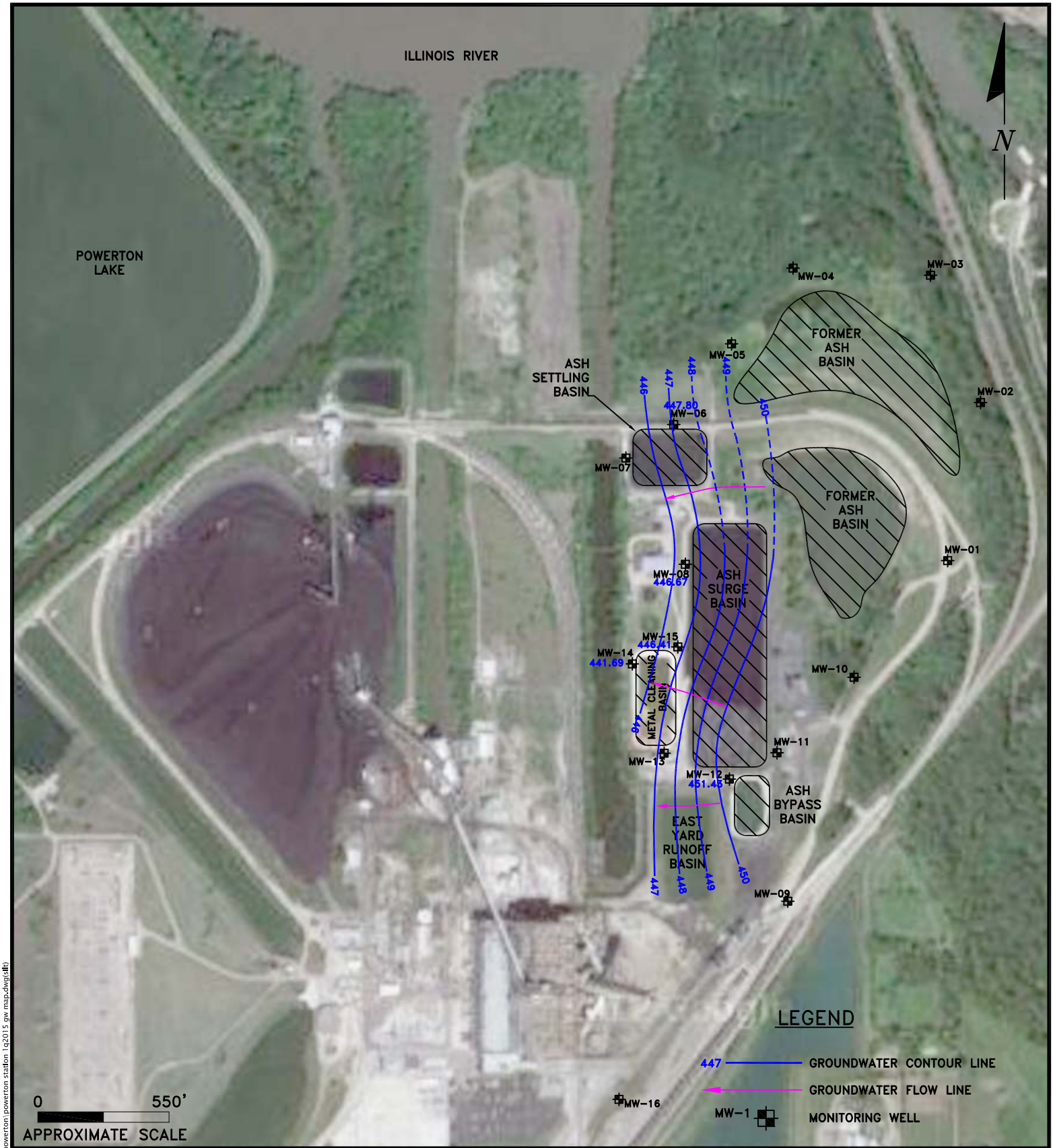

ENVIRONMENTAL CONSULTATION & REMEDIATION

K P R G

KPRG and Associates, inc.

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

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

GROUNDWATER CONTOUR MAP FOR SILT/CLAY UNIT 02/2015

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: March 10, 2015

KPRG Project No. 12313.1 | FIGURE 2

MWG13-15_48749

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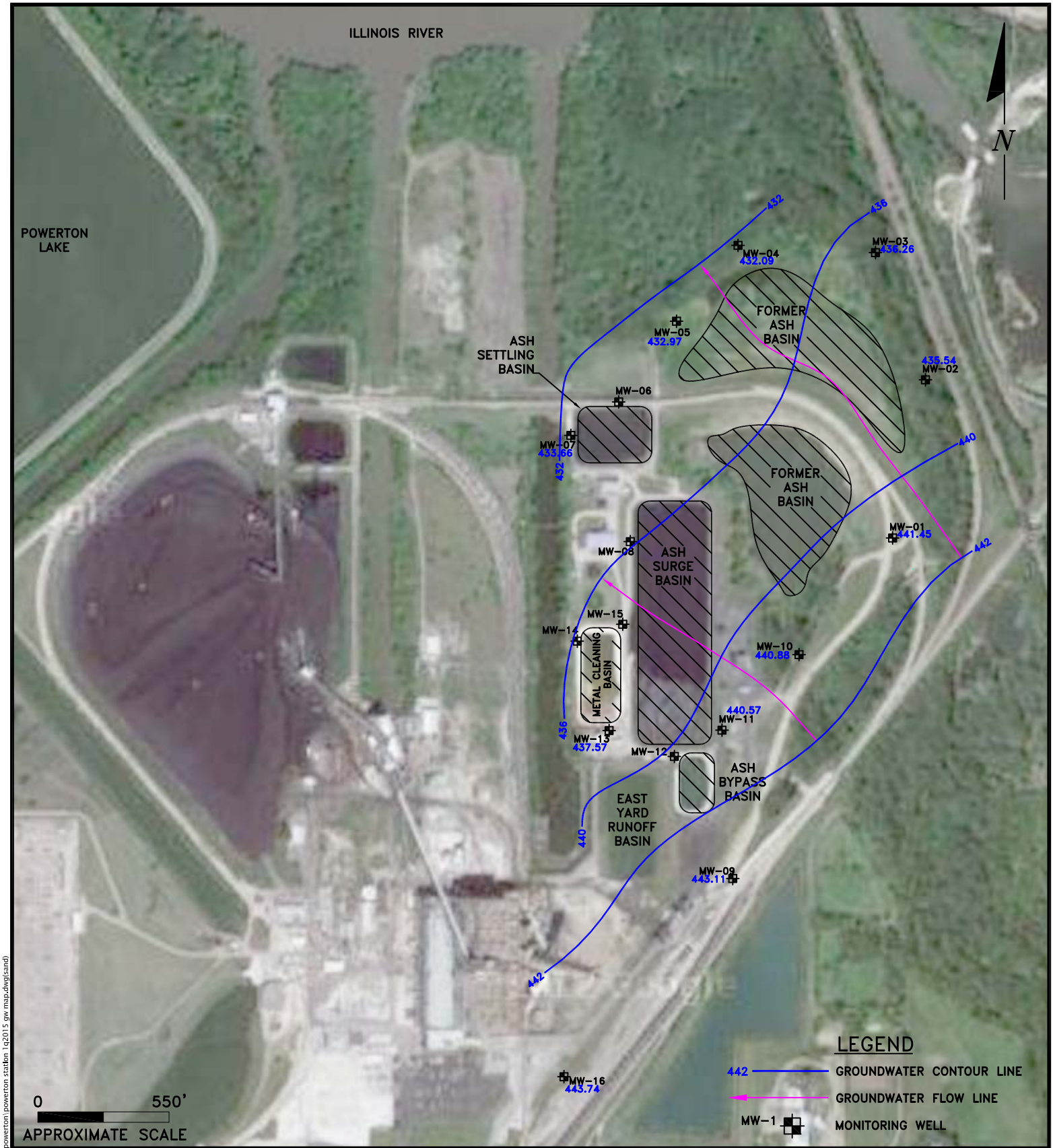

ENVIRONMENTAL CONSULTATION & REMEDIATION

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GROUNDWATER CONTOUR MAP FOR GRAVELLY SAND UNIT 02/2015

POWERTON STATION
PEKIN, ILLINOIS

Scale: 1" = 550' | Date: March 10, 2015

KPRG Project No. 12313.1 | FIGURE 3

MWG13-15_48720

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TABLES

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

Well ID	Date	Top of Casing (TOC) Elevation (ft above MSL)	Ground Elevation (ft above MSL)	Groundwater Elevation (ft above MSL)	Sampling Groundwater Elevation (ft above MSL)	Bottom of Well Elevation (ft above MSL)	Depth to Groundwater (ft below TOC)	Sampling Depth to Groundwater (ft below TOC)	Depth to Bottom of Well (ft below TOC)
MW-01	9/19/2011	465.06	461.67	439.95	439.93	430.97	25.11	25.13	34.09
	12/12/2011	465.06	461.67	439.78	439.78	430.97	25.28	25.28	34.09
	3/19/2012	465.06	461.67	442.40	442.40	430.97	22.66	22.66	34.09
	4/4/2012	465.06	461.67	441.39	NM	430.97	23.67	NM	34.09
	6/25/2012	465.06	461.67	437.84	437.84	430.97	27.22	27.22	34.09
	9/18/2012	465.06	461.67	435.37	435.34	430.97	29.69	29.72	34.09
	12/12/2012	465.06	461.67	435.06	435.06	430.97	30.00	30.00	34.09
	2/27/2013	465.06	461.67	439.56	438.62	430.97	25.50	26.44	34.09
	5/29/2013	465.06	461.67	446.35	446.50	430.96	18.71	18.56	34.10
	7/29/2013	465.06	461.67	441.71	441.71	430.96	23.35	23.35	34.10
	10/21/2013	465.06	461.67	435.98	435.99	430.96	29.08	29.07	34.10
	3/6/2014	465.06	461.67	442.20	442.20	430.96	22.86	22.86	34.10
	5/27/2014	465.06	461.67	442.00	442.01	430.96	23.06	23.05	34.10
	8/28/2014	465.06	461.67	439.33	439.34	430.96	25.73	25.72	34.10
	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
MW-02	9/19/2011	462.42	459.25	433.27	433.27	425.31	29.15	29.15	37.11
	12/12/2011	462.42	459.25	434.78	434.78	425.31	27.64	27.64	37.11
	3/19/2012	462.42	459.25	437.48	437.48	425.31	24.94	24.94	37.11
	4/4/2012	462.42	459.25	436.92	NM	425.31	25.50	NM	37.11
	6/25/2012	462.42	459.25	433.69	433.68	425.31	28.73	28.74	37.11
	9/18/2012	462.42	459.25	431.30	431.31	425.31	31.12	31.11	37.11
	12/12/2012	462.42	459.25	431.12	431.12	425.31	31.30	31.30	37.11
	2/27/2013	462.42	459.25	436.02	434.63	425.31	26.40	27.79	37.11
	5/29/2013	462.42	459.25	444.38	444.81	425.31	18.04	17.61	37.11
	7/29/2013	462.42	459.25	434.84	434.84	425.31	27.58	27.58	37.11
	10/21/2013	462.42	459.25	431.64	431.65	425.31	30.78	30.77	37.11
	3/5/2014	462.42	459.25	442.74	442.73	425.31	19.68	19.69	37.11
	5/27/2014	462.42	459.25	440.91	440.91	425.31	21.51	21.51	37.11
	8/25/2014	462.42	459.25	436.20	436.27	425.31	26.22	26.15	37.11
	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
MW-03	9/19/2011	462.34	459.10	432.73	432.72	425.05	29.61	29.62	37.29
	12/12/2011	462.34	459.10	433.88	433.88	425.05	28.46	28.46	37.29
	3/19/2012	462.34	459.10	436.94	436.94	425.05	25.40	25.40	37.29
	4/4/2012	462.34	459.10	435.67	NM	425.05	26.67	NM	37.29
	6/25/2012	462.34	459.10	432.86	432.86	425.05	29.48	29.48	37.29
	9/18/2012	462.34	459.10	430.71	430.71	425.05	31.63	31.63	37.29
	12/12/2012	462.34	459.10	429.94	429.94	425.05	32.40	32.40	37.29
	2/27/2013	462.34	459.10	436.39	435.87	425.05	25.95	26.47	37.29
	5/29/2013	462.34	459.10	444.87	445.14	425.04	17.47	17.20	37.30
	7/31/2013	462.34	459.10	434.87	434.87	425.04	27.47	27.47	37.30
	10/21/2013	462.34	459.10	430.91	430.91	425.04	31.43	31.43	37.30
	3/5/2014	462.34	459.10	442.23	442.22	425.04	20.11	20.12	37.30
	5/27/2014	462.34	459.10	440.70	440.69	425.04	21.64	21.65	37.30
	8/25/2014	462.34	459.10	434.72	434.73	425.04	27.62	27.61	37.30
	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
MW-04	9/19/2011	460.48	457.29	431.63	431.63	423.39	28.85	28.85	37.09
	12/12/2011	460.48	457.29	433.28	433.28	423.39	27.20	27.20	37.09
	3/19/2012	460.48	457.29	434.93	434.93	423.39	25.55	25.55	37.09
	4/4/2012	460.48	457.29	434.15	NM	423.39	26.33	NM	37.09
	6/25/2012	460.48	457.29	432.38	432.38	423.39	28.10	28.10	37.09
	9/18/2012	460.48	457.29	430.34	430.34	423.39	30.14	30.14	37.09
	12/12/2012	460.48	457.29	430.28	430.28	423.39	30.20	30.20	37.09
	2/27/2013	460.48	457.29	434.36	433.21	423.39	26.12	27.27	37.09
	5/29/2013	460.48	457.29	443.93	444.59	423.33	16.55	15.89	37.15
	7/31/2013	460.48	457.29	432.86	432.86	423.33	27.62	27.62	37.15
	10/21/2013	460.48	457.29	430.60	430.62	423.33	29.88	29.86	37.15
	3/5/2014	460.48	457.29	442.09	442.09	423.33	18.39	18.39	37.15
	5/27/2014	460.48	457.29	439.49	439.48	423.33	20.99	21.00	37.15
	8/25/2014	460.48	457.29	435.10	435.14	423.33	25.38	25.34	37.15
	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

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-05	9/19/2011	458.58	455.80	432.77	432.77	423.79	25.81	25.81	34.79
	12/12/2011	458.58	455.80	434.13	434.13	423.79	24.45	24.45	34.79
	3/19/2012	458.58	455.80	435.71	435.72	423.79	22.87	22.86	34.79
	4/4/2012	458.58	455.80	434.93	NM	423.79	23.65	NM	34.79
	6/25/2012	458.58	455.80	433.23	433.21	423.79	25.35	25.37	34.79
	9/18/2012	458.58	455.80	430.99	430.98	423.79	27.59	27.60	34.79
	12/12/2012	458.58	455.80	430.98	430.98	423.79	27.60	27.60	34.79
	2/27/2013	458.58	455.80	434.93	434.01	423.79	23.65	24.57	34.79
	5/29/2013	458.58	455.80	444.11	444.85	423.79	14.47	13.73	34.79
	7/31/2013	458.58	455.80	433.63	433.63	423.79	24.95	24.95	34.79
	10/21/2013	458.58	455.80	431.41	431.43	423.79	27.17	27.15	34.79
	3/5/2014	458.58	455.80	442.36	442.36	423.79	16.22	16.22	34.79
	5/27/2014	458.58	455.80	439.99	439.98	423.79	18.59	18.60	34.79
	8/25/2014	458.58	455.80	436.01	436.02	423.79	22.57	22.56	34.79
	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
MW-06	9/19/2011	464.47	461.22	445.71	445.66	431.87	18.76	18.81	32.60
	12/12/2011	464.47	461.22	446.30	446.30	431.87	18.17	18.17	32.60
	3/19/2012	464.47	461.22	446.17	446.17	431.87	18.30	18.30	32.60
	4/4/2012	464.47	461.22	445.81	NM	431.87	18.66	NM	32.60
	6/25/2012	464.47	461.22	445.99	445.94	431.87	18.48	18.53	32.60
	9/18/2012	464.47	461.22	445.63	445.63	431.87	18.84	18.84	32.60
	12/12/2012	464.47	461.22	447.37	447.37	431.87	17.10	17.10	32.60
	2/27/2013	464.47	461.22	448.45	448.48	431.87	16.02	15.99	32.60
	5/31/2013	464.47	461.22	443.12	443.12	431.87	21.35	21.35	32.60
	7/31/2013	464.47	461.22	449.46	449.44	431.87	15.01	15.03	32.60
	10/23/2013	464.47	461.22	448.12	448.12	431.87	16.35	16.35	32.60
	3/6/2014	464.47	461.22	449.65	449.64	431.87	14.82	14.83	32.60
	5/29/2014	464.47	461.22	447.32	447.33	431.87	17.15	17.14	32.60
	8/27/2014	464.47	461.22	447.00	447.00	431.87	17.47	17.47	32.60
	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
MW-07	9/19/2011	463.23	459.65	433.40	433.40	423.12	29.83	29.83	40.11
	12/12/2011	463.23	459.65	434.64	433.73	423.12	28.59	29.50	40.11
	3/19/2012	463.23	459.65	436.04	435.18	423.12	27.19	28.05	40.11
	4/4/2012	463.23	459.65	435.10	NM	423.12	28.13	NM	40.11
	6/25/2012	463.23	459.65	433.77	433.66	423.12	29.46	29.57	40.11
	9/18/2012	463.23	459.65	431.39	425.61	423.12	31.84	37.62	40.11
	12/12/2012	463.23	459.65	431.38	431.38	423.12	31.85	31.85	40.11
	2/27/2013	463.23	459.65	435.30	433.79	423.12	27.93	29.44	40.11
	5/31/2013	463.23	459.65	443.93	445.24	414.93	19.30	17.99	48.30
	7/31/2013	463.23	459.65	433.88	433.88	414.93	29.35	29.35	48.30
	10/23/2013	463.23	459.65	432.19	431.93	414.93	31.04	31.30	48.30
	3/5/2014	463.23	459.65	442.61	442.41	414.93	20.62	20.82	48.30
	5/29/2014	463.23	459.65	439.81	439.79	414.93	23.42	23.44	48.30
	8/27/2014	463.23	459.65	438.63	438.58	414.93	24.60	24.65	48.30
	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
MW-08	9/19/2011	471.73	468.70	446.76	446.77	438.18	24.97	24.96	33.55
	12/12/2011	471.73	468.70	446.85	446.85	438.18	24.88	24.88	33.55
	3/19/2012	471.73	468.70	447.66	447.66	438.18	24.07	24.07	33.55
	4/4/2012	471.73	468.70	447.27	NM	438.18	24.46	NM	33.55
	6/25/2012	471.73	468.70	447.06	447.06	438.18	24.67	24.67	33.55
	9/18/2012	471.73	468.70	446.70	446.70	438.18	25.03	25.03	33.55
	12/12/2012	471.73	468.70	447.23	447.23	438.18	24.50	24.50	33.55
	2/27/2013	471.73	468.70	448.53	449.98	438.18	23.20	21.75	33.55
	5/30/2013	471.73	468.70	447.82	447.80	438.21	23.91	23.93	33.52
	7/31/2013	471.73	468.70	448.53	448.53	438.21	23.20	23.20	33.52
	10/23/2013	471.73	468.70	447.12	447.12	438.21	24.61	24.61	33.52
	3/3/2014	471.73	468.70	447.89	447.89	438.21	23.84	23.84	33.52
	5/28/2014	471.73	468.70	446.86	446.91	438.21	24.87	24.82	33.52
	8/27/2014	471.73	468.70	446.35	446.35	438.21	25.38	25.38	33.52
	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

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-09	9/19/2011	469.19	466.21	443.64	443.64	434.06	25.55	25.55	35.13
	12/12/2011	469.19	466.21	443.08	443.08	434.06	26.11	26.11	35.13
	3/19/2012	469.19	466.21	443.78	443.78	434.06	25.41	25.41	35.13
	4/4/2012	469.19	466.21	443.49	NM	434.06	25.70	NM	35.13
	6/25/2012	469.19	466.21	442.55	442.52	434.06	26.64	26.67	35.13
	9/18/2012	469.19	466.21	440.29	440.29	434.06	28.90	28.90	35.13
	12/12/2012	469.19	466.21	439.77	439.77	434.06	29.42	29.42	35.13
	2/27/2013	469.19	466.21	441.69	442.40	434.06	27.50	26.79	35.13
	5/30/2013	469.19	466.21	449.35	449.50	434.05	19.84	19.69	35.14
	7/30/2013	469.19	466.21	444.99	444.99	434.05	24.20	24.20	35.14
	10/22/2013	469.19	466.21	441.05	441.04	434.05	28.14	28.15	35.14
	3/3/2014	469.19	466.21	444.36	444.36	434.05	24.83	24.83	35.14
	5/29/2014	469.19	466.21	444.82	444.83	434.05	24.37	24.36	35.14
	8/26/2014	469.19	466.21	443.42	443.43	434.05	25.77	25.76	35.14
	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
MW-10	9/19/2011	457.39	454.09	439.99	439.98	424.89	17.40	17.41	32.50
	12/12/2011	457.39	454.09	440.01	440.01	424.89	17.38	17.38	32.50
	3/19/2012	457.39	454.09	442.03	442.03	424.89	15.36	15.36	32.50
	4/4/2012	457.39	454.09	441.06	NM	424.89	16.33	NM	32.50
	6/25/2012	457.39	454.09	438.39	438.39	424.89	19.00	19.00	32.50
	9/18/2012	457.39	454.09	436.06	436.06	424.89	21.33	21.33	32.50
	12/12/2012	457.39	454.09	435.79	435.79	424.89	21.60	21.60	32.50
	2/27/2013	457.39	454.09	439.50	439.85	424.89	17.89	17.54	32.50
	5/29/2013	457.39	454.09	446.90	447.06	424.89	10.49	10.33	32.50
	7/31/2013	457.39	454.09	441.21	441.21	424.89	16.18	16.18	32.50
	10/23/2013	457.39	454.09	436.73	436.74	424.89	20.66	20.65	32.50
	3/6/2014	457.39	454.09	442.64	442.64	424.89	14.75	14.75	32.50
	5/30/2014	457.39	454.09	442.23	442.23	424.89	15.16	15.16	32.50
	8/28/2014	457.39	454.09	440.07	440.07	424.89	17.32	17.32	32.50
	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
MW-11	9/19/2011	471.59	468.07	440.49	440.49	427.94	31.10	31.10	43.65
	12/12/2011	471.59	468.07	440.51	440.50	427.94	31.08	31.09	43.65
	3/19/2012	471.59	468.07	441.63	441.60	427.94	29.96	29.99	43.65
	4/4/2012	471.59	468.07	441.03	NM	427.94	30.56	NM	43.65
	6/25/2012	471.59	468.07	439.54	439.52	427.94	32.05	32.07	43.65
	9/18/2012	471.59	468.07	437.31	437.31	427.94	34.28	34.28	43.65
	12/12/2012	471.59	468.07	437.09	437.09	427.94	34.50	34.50	43.65
	2/27/2013	471.59	468.07	439.79	440.57	427.94	31.80	31.02	43.65
	5/30/2013	471.59	468.07	447.35	447.79	427.89	24.24	23.80	43.70
	7/30/2013	471.59	468.07	441.49	441.49	427.89	30.10	30.10	43.70
	10/22/2013	471.59	468.07	437.95	437.94	427.89	33.64	33.65	43.70
	3/4/2014	471.59	468.07	443.65	443.66	427.89	27.94	27.93	43.70
	5/29/2014	471.59	468.07	443.02	442.99	427.89	28.57	28.60	43.70
	8/26/2014	471.59	468.07	441.27	441.25	427.89	30.32	30.34	43.70
	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
MW-12	9/19/2011	473.38	470.00	449.88	449.88	440.81	23.50	23.50	32.57
	12/12/2011	473.38	470.00	450.03	450.03	440.81	23.35	23.35	32.57
	3/19/2012	473.38	470.00	451.18	451.18	440.81	22.20	22.20	32.57
	4/4/2012	473.38	470.00	450.83	NM	440.81	22.55	NM	32.57
	6/25/2012	473.38	470.00	450.38	450.35	440.81	23.00	23.03	32.57
	9/18/2012	473.38	470.00	449.95	449.93	440.81	23.43	23.45	32.57
	12/12/2012	473.38	470.00	449.18	449.18	440.81	24.20	24.20	32.57
	2/27/2013	473.38	470.00	451.07	451.43	440.81	22.31	21.95	32.57
	5/30/2013	473.38	470.00	451.84	451.84	440.79	21.54	21.54	32.59
	7/29/2013	473.38	470.00	449.45	449.43	440.79	23.93	23.95	32.59
	10/22/2013	473.38	470.00	447.83	447.22	440.79	25.55	26.16	32.59
	3/4/2014	473.38	470.00	451.45	451.45	440.79	21.93	21.93	32.59
	5/29/2014	473.38	470.00	450.22	450.23	440.79	23.16	23.15	32.59
	8/26/2014	473.38	470.00	449.49	449.48	440.79	23.89	23.90	32.59
	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

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-13	4/25/2011	470.94	467.65	446.06	446.12	427.82	24.88	24.82	43.12
	6/16/2011	470.94	467.65	447.39	447.39	427.82	23.55	23.55	43.12
	8/9/2011	470.94	467.65	437.72	438.55	427.82	33.22	32.39	43.12
	10/13/2011	470.94	467.65	436.84	436.84	427.82	34.10	34.10	43.12
	12/12/2011	470.94	467.65	437.79	437.64	427.82	33.15	33.30	43.12
	4/10/2012	470.94	467.65	437.73	437.29	427.82	33.21	33.65	43.12
	12/14/2012	470.94	467.65	437.40	437.40	427.82	33.54	33.54	43.12
	2/27/2013	470.94	467.65	437.99	438.04	427.82	32.95	32.90	43.12
	5/30/2013	470.94	467.65	445.45	446.45	427.85	25.49	24.49	43.09
	7/30/2013	470.94	467.65	437.59	437.59	427.85	33.35	33.35	43.09
	10/22/2013	470.94	467.65	437.56	437.40	427.85	33.38	33.54	43.09
	3/4/2014	470.94	467.65	443.96	443.51	427.85	26.98	27.43	43.09
	5/28/2014	470.94	467.65	442.19	442.18	427.85	28.75	28.76	43.09
	8/27/2014	470.94	467.65	440.82	440.71	427.85	30.12	30.23	43.09
	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
MW-14	4/25/2011	470.79	467.67	448.13	447.95	437.21	22.66	22.84	33.58
	6/16/2011	470.79	467.67	448.28	448.27	437.21	22.51	22.52	33.58
	8/9/2011	470.79	467.67	448.11	446.76	437.21	22.68	24.03	33.58
	10/13/2011	470.79	467.67	445.28	441.14	437.21	25.51	29.65	33.58
	12/12/2011	470.79	467.67	443.71	440.10	437.21	27.08	30.69	33.58
	4/10/2012	470.79	467.67	446.80	446.74	437.21	23.99	24.05	33.58
	12/14/2012	470.79	467.67	444.89	444.89	437.21	25.90	25.90	33.58
	2/27/2013	470.79	467.67	447.29	447.89	437.21	23.50	22.90	33.58
	5/30/2013	470.79	467.67	448.37	448.33	437.21	22.42	22.46	33.58
	7/30/2013	470.79	467.67	447.59	447.54	437.21	23.20	23.25	33.58
	10/23/2013	470.79	467.67	444.92	444.54	437.21	25.87	26.25	33.58
	3/4/2014	470.79	467.67	446.32	445.94	437.21	24.47	24.85	33.58
	5/28/2014	470.79	467.67	446.55	446.54	439.32	24.24	24.25	31.47
	8/28/2014	470.79	467.67	445.81	445.07	439.32	24.98	25.72	31.47
	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
MW-15	4/25/2011	471.38	468.26	448.29	448.29	439.04	23.09	23.09	32.34
	6/16/2011	471.38	468.26	449.16	448.56	439.04	22.22	22.82	32.34
	8/9/2011	471.38	468.26	447.82	447.82	439.04	23.56	23.56	32.34
	10/13/2011	471.38	468.26	446.73	446.73	439.04	24.65	24.65	32.34
	12/12/2011	471.38	468.26	446.78	446.76	439.04	24.60	24.62	32.34
	4/10/2012	471.38	468.26	447.49	447.56	439.04	23.89	23.82	32.34
	12/14/2012	471.38	468.26	446.71	446.71	439.04	24.67	24.67	32.34
	2/27/2013	471.38	468.26	448.48	449.05	439.04	22.90	22.33	32.34
	5/30/2013	471.38	468.26	449.36	449.29	439.91	22.02	22.09	31.47
	7/30/2013	471.38	468.26	448.70	448.68	439.91	22.68	22.70	31.47
	10/23/2013	471.38	468.26	447.70	447.70	439.91	23.68	23.68	31.47
	3/6/2014	471.38	468.26	447.52	447.53	439.91	23.86	23.85	31.47
	5/28/2014	471.38	468.26	447.14	447.13	439.91	24.24	24.25	31.47
	8/27/2014	471.38	468.26	446.52	446.51	439.91	24.86	24.87	31.47
	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
MW-16	12/12/2012	471.56	468.26	441.16	441.16	434.36	30.40	30.40	37.20
	2/27/2013	471.56	468.26	442.56	441.13	434.36	29.00	30.43	37.20
	5/29/2013	471.56	468.26	449.74	449.74	434.27	21.82	21.82	37.29
	7/29/2013	471.56	468.26	446.17	446.16	434.27	25.39	25.40	37.29
	10/22/2013	471.56	468.26	442.54	442.54	434.27	29.02	29.02	37.29
	3/3/2014	471.56	468.26	444.36	444.36	434.27	27.20	27.20	37.29
	5/30/2014	471.56	468.26	445.54	445.54	434.27	26.02	26.02	37.29
	8/26/2014	471.56	468.26	443.83	443.82	434.27	27.73	27.74	37.29
	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

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

Sample: MW-01	Date	2/27/2013		5/29/2013		7/29/2013		10/21/2013		3/6/2014		5/27/2014		8/28/2014		10/29/2014		2/23/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	ND	0.0030	0.0048	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.001	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	0.001	0.08	0.0025	0.078	0.0025	0.081	0.0025	0.070	0.0025	0.064	0.0025	0.041	0.0025	0.046	0.0025	0.049	0.0025	0.037
Beryllium	0.004	0.001	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	0.01	1.7	0.050	0.47	0.050	0.48	0.050	0.62	0.050	0.53	0.050	0.26	0.050	0.16	0.050	0.075	0.050	0.059
Cadmium	0.005	0.001	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	38	10	160	10	140	2.0	46	2.0	48	2.0	73	2.0	58	2.0	42	2.0	37
Chromium	0.1	0.004	0.0076	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	0.002	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	0.003	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	0.005	ND	0.010	ND	0.010	0.011	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND
Fluoride	4.0	0.25	ND	0.10	0.12	0.10	0.16	0.10	0.11	0.10	0.10	0.10	0.13	0.10	0.15	0.10	0.18	0.10	0.17
Iron	5.0	0.01	ND	0.10	0.43	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.001	ND	0.00050	0.00080	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.001	ND	0.0025	0.027	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0043
Mercury	0.002	0.0002	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	0.005	0.0062	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	0.2	7.4	0.10	0.23	0.10	0.42	0.10	4.5	0.10	4.7	0.10	2.2	0.10	1.5	0.10	4.4	0.10	4.1
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	0.23	0.10	0.42	0.50	4.5	0.50	4.7	0.50	2.2	0.10	1.5	0.50	4.4	0.50	4.1
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0045	0.0025	ND	0.0025	ND	0.0025	0.0042	0.0025	0.0040	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	77	100	330	50	270	20	85	20	99	20	51	10	36	20	54	10	43
Thallium	0.002	0.001	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	26	640	10	840	10	870	10	660	10	590	10	440	10	350	10	410	10	470
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	9.53	NA	7.00	NA	6.75	NA	7.12	NA	7.65	NA	7.15	NA	7.25	NA	7.25	NA	6.93
Temperature	NA	NA	11.00	NA	10.71	NA	15.64	NA	15.06	NA	9.08	NA	18.25 *	NA	21.57	NA	17.15	NA	1.92
Conductivity	NA	NA	0.88	NA	0.94	NA	1.06	NA	0.88	NA	0.55	NA	0.73	NA	0.71	NA	0.92	NA	0.44
Dissolved Oxygen	NA	NA	3.03	NA	3.10	NA	2.03	NA	1.33	NA	3.25	NA	5.05	NA	0.94	NA	1.63	NA	9.99
ORP	NA	NA	94	NA	30.4	NA	58.8	NA	-127	NA	-37.2	NA	-14.1	NA	21.5	NA	-3.6	NA	150.7

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

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

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

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

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

Sample: MW-02	Date	2/27/2013		5/29/2013		7/29/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	ND	0.0030	0.015	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.001	0.0011	0.0010	0.0010	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0015
Barium	2.0	0.001	0.035	0.0025	0.053	0.0025	0.078	0.0025	0.088	0.0025	0.046	0.0025	0.069	0.0025	0.071	0.0025	0.067	0.0025	0.051
Beryllium	0.004	0.001	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	0.01	0.29	0.050	0.21	0.050	1.4	0.050	2.7	0.050	0.28	0.050	0.38	0.050	1.1	0.050	0.078	0.050	0.082
Cadmium	0.005	0.001	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	52	2.0	53	2.0	48	10	90	10	88	10	91	2.0	58 ^	2.0	44	2.0	54
Chromium	0.1	0.004	0.0042	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	0.002	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	0.003	ND	0.0020	0.0021	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.024	0.010	ND	0.010	ND
Fluoride	4.0	0.25	ND	0.10	0.32	0.10	0.19	0.10	0.17	0.10	0.19	0.10	0.18	0.10	0.19	0.10	0.22	0.10	0.17
Iron	5.0	0.01	0.026	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	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0013	0.00050	ND
Manganese	0.15	0.001	ND	0.0025	ND	0.0025	0.0060	0.0025	0.0060	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.0002	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	0.005	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	0.2	5.7	0.10	0.44	0.10	0.59	0.10	1.1	0.10	2.4	0.10	4.0	0.10	0.28	0.10	4.3	0.10	5.9
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	0.48	0.10	0.59	0.10	1.1	0.50	2.4	0.50	4.0	0.10	0.28	0.50	4.3	0.50	5.9
Nitrogen/Nitrite	NA	NR	NR	0.020	0.041	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0032	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	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	53	20	96	25	140	50	190	10	53	20	63	20	76	20	49	10	57
Thallium	0.002	0.001	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	26	440	10	340	10	560	10	770	10	430	10	440	10	460	10	440	10	510
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	7.53	NA	7.39	NA	7.03	NA	7.20	NA	8.21	NA	7.19	NA	7.01	NA	7.37	NA	8.13
Temperature	NA	NA	13.30	NA	20.87	NA	17.02	NA	12.34	NA	6.67	NA	15.72 *	NA	20.87	NA	17.43	NA	2.61
Conductivity	NA	NA	0.54	NA	0.56	NA	0.74	NA	0.80	NA	0.40	NA	0.69	NA	0.76	NA	0.78	NA	0.49
Dissolved Oxygen	NA	NA	10.89	NA	0.65	NA	0.47	NA	0.32	NA	7.92	NA	0.55	NA	0.46	NA	2.96	NA	11.55
ORP	NA	NA	185.2	NA	-34.5	NA	33.9	NA	-180.3	NA	-53	NA	72.5	NA	35.9	NA	60.1	NA	113.1

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
NM - Not Measured

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

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

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

Sample: MW-03	Date	2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	ND	0.0030	0.0057	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND	0.0030	ND
Arsenic	0.010	0.001	0.0013	0.0010	0.0012	0.0010	0.0013	0.0010	0.0011	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.001	0.056	0.0025	0.061	0.0025	0.064	0.0025	0.099	0.0025	0.056	0.0025	0.052	0.0025	0.070	0.0025	0.063	0.0025	0.048
Beryllium	0.004	0.001	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	0.01	0.65	0.050	0.21	0.050	0.47	0.050	0.46	0.050	0.14	0.050	0.15	0.050	0.37	0.050	0.14	0.050	0.32
Cadmium	0.005	0.001	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	53	2.0	55	2.0	60	2.0	57	10	120	10	100	10	79	2.0	47	2.0	47
Chromium	0.1	0.004	0.005	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	0.002	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	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	0.0057	0.0020	ND	0.0020	ND	0.0020	ND
Cyanide	0.2	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.011	0.010	ND	0.010	ND
Fluoride	4.0	0.25	ND	0.10	0.31	0.10	0.28	0.10	0.26	0.10	0.24	0.10	0.23	0.10	0.25	0.10	0.25	0.10	0.23
Iron	5.0	0.01	0.019	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	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00097	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.001	0.011	0.0025	ND	0.0025	ND	0.0025	0.0039	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Mercury	0.002	0.0002	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	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0036	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.2	2.00	0.10	0.15	0.10	ND	0.10	ND	0.10	2.6	0.10	5.3	0.10	ND	0.10	2.4	0.10	2.0
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	0.15	0.10	ND	0.10	ND	0.50	2.6	0.50	5.3	0.10	ND	0.50	2.4	0.10	2.0
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0048	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	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	64	20	82	20	99	20	96	20	65	20	65	25	100	10	40	10	46
Thallium	0.002	0.001	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	26	500	10	310	10	460	10	430	10	490	10	440	10	490	10	440	10	400
Vanadium	0.049	0.005	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	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.14	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	0.005	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	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0012	0.0025	ND
pH	6.5 - 9.0	NA	7.46	NA	7.31	NA	7.22	NA	7.25	NA	8.34	NA	7.27	NA	6.97	NA	7.43	NA	7.75
Temperature	NA	NA	13.60	NA	21.93	NA	24.89	NA	20.22	NA	7.08	NA	16.70	NA	19.57	NA	19.36	NA	8.51
Conductivity	NA	NA	0.73	NA	0.56	NA	0.76	NA	0.70	NA	0.43	NA	0.66	NA	0.83	NA	0.79	NA	0.49
Dissolved Oxygen	NA	NA	6.10	NA	0.40	NA	0.24	NA	0.35	NA	5.08	NA	4.83	NA	0.48	NA	2.33	NA	3.65
ORP	NA	NA	140.31	NA	-101.8	NA	-44.7	NA	-160.1	NA	-60.3	NA	117.3	NA	45	NA	52	NA	102.3

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

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

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

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

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

Sample: MW-04	Date	2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	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	0.001	0.054	0.0025	0.030	0.0025	0.048	0.0025	0.062	0.0025	0.039	0.0025	0.054	0.0025	0.055	0.0025	0.070	0.0025	0.025
Beryllium	0.004	0.001	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	0.01	0.97	0.050	0.23	0.050	0.67	0.050	0.81	0.050	0.81	0.050	0.94	0.050	1.0	0.050	0.77	0.050	0.94
Cadmium	0.005	0.001	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	90	2.0	54	2.0	70	10	150	10	130	10	92	10	95	10	96	10	74
Chromium	0.1	0.004	0.0052	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	0.002	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	0.003	ND	0.0020	ND	0.0020	0.0024	0.0020	0.0025	0.0020	ND^	0.0020	ND	0.0020	0.0021	0.0020	ND	0.0020	ND
Cyanide	0.2	0.005	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	0.25	ND	0.10	0.39	0.10	0.31	0.10	0.21	0.10	0.29	0.10	0.23	0.10	0.25	0.10	0.21	0.10	0.32
Iron	5.0	0.01	0.059	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	0.001	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	0.001	0.007	0.0025	ND	0.0025	0.13	0.0025	0.27	0.0025	0.026	0.0025	0.029	0.0025	0.24	0.0025	0.075	0.0025	0.018
Mercury	0.002	0.0002	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	0.005	ND	0.0020	ND	0.0020	0.0023	0.0020	0.0039	0.0020	ND	0.0020	ND	0.0020	0.0024	0.0020	0.0020	0.0020	ND
Nitrogen/Nitrate	10.0	0.02	1.8	0.10	ND	0.10	ND	0.10	0.50	0.10	ND	0.10	ND	0.10	ND	0.10	0.14	0.10	0.30
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	ND	0.10	ND	0.10	0.50	0.10	ND	0.10	ND	0.10	ND	0.10	0.14	0.10	0.30
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.013	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	0.005	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	130	20	92	50	190	100	260	50	200	100	320	50	260	100	390	25	100
Thallium	0.002	0.001	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	26	640	10	350	10	670	10	980	10	780	10	980	10	880	10	1100	10	580
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	7.37	NA	7.30	NA	7.02	NA	7.00	NA	8.00	NA	7.04	NA	7.06	NA	7.20	NA	7.63
Temperature	NA	NA	13.20	NA	21.84	NA	26.31	NA	16.83	NA	11.96	NA	17.48 *	NA	24.18	NA	20.48	NA	8.95
Conductivity	NA	NA	0.92	NA	0.58	NA	1.08	NA	1.15	NA	0.81	NA	1.20	NA	1.36	NA	1.62	NA	0.72
Dissolved Oxygen	NA	NA	5.93	NA	0.47	NA	0.24	NA	0.53	NA	1.63	NA	2.01	NA	1.23	NA	0.83	NA	1.97
ORP	NA	NA	170.3	NA	-90.1	NA	4.1	NA	-169.7	NA	-57	NA	13.7	NA	53.5	NA	22.9	NA	22.5

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

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

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

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

Sample: MW-05	Date	2/27/2013		5/29/2013		7/31/2013		10/21/2013		3/5/2014		5/27/2014		8/25/2014		10/27/2014		2/25/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	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	0.001	0.061	0.0025	0.089	0.0025	0.092	0.0025	0.088	0.0025	0.059	0.0025	0.052	0.0025	0.069	0.0025	ND	0.0025	0.041
Beryllium	0.004	0.001	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	0.01	0.66	0.050	0.70	0.050	0.64	0.050	0.83	0.050	0.70	0.050	0.76	0.050	0.71	0.050	ND	0.050	1.1
Cadmium	0.005	0.001	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	50	110	10	92	10	150	10	170	10	120	10	80	10	140	10	120	10	79
Chromium	0.1	0.004	0.0053	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	0.002	ND	0.0010	0.0022	0.0010	0.0015	0.0010	0.0015	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.003	ND	0.0020	ND	0.0020	ND	0.0020	0.0027	0.0020	ND^	0.0020	ND	0.0020	0.0023	0.0020	ND	0.0020	ND
Cyanide	0.2	0.005	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	0.25	ND	0.10	0.23	0.10	0.24	0.10	0.24	0.10	0.35	0.10	0.29	0.10	0.32	0.10	0.28	0.10	0.38
Iron	5.0	0.01	0.052	0.10	0.20	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND	0.10	ND
Lead	0.0075	0.001	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	0.001	0.21	0.0025	0.67	0.0025	0.29	0.0025	0.62	0.0025	0.077	0.0025	0.043	0.0025	0.016	0.0025	ND	0.0025	0.058
Mercury	0.002	0.0002	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	0.005	0.009	0.0020	0.0055	0.0020	0.0059	0.0020	0.0068	0.0020	0.0038	0.0020	0.0036	0.0020	0.0041	0.0020	ND	0.0020	0.0025
Nitrogen/Nitrate	10.0	0.02	0.19	0.10	ND	0.10	ND	0.10	0.34	0.10	0.74	0.10	2.2	0.10	0.11	0.10	0.20	0.10	0.74
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	ND	0.10	ND	0.10	0.34	0.10	0.77	0.50	2.2	0.10	0.11	0.10	0.20	0.10	0.74
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	0.033	0.020	0.026	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	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	0.001	0.0029	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0028	0.0025	ND	0.0025	ND
Silver	0.05	0.005	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	180	100	310	100	290	100	260	50	180	50	150	50	200	50	310	20	110
Thallium	0.002	0.001	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	26	790	10	990	10	1000	10	1100	10	840	10	640	10	870	10	910	10	570
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.01	NA	6.87	NA	6.82	NA	6.89	NA	7.69	NA	7.01	NA	6.86	NA	7.30	NA	7.52
Temperature	NA	NA	14.50	NA	16.36	NA	17.75	NA	14.79	NA	12.62	NA	20.54	NA	21.14	NA	21.18	NA	5.51
Conductivity	NA	NA	1.17	NA	1.14	NA	1.25	NA	1.33	NA	0.28	NA	1.01	NA	1.28	NA	1.38	NA	0.69
Dissolved Oxygen	NA	NA	0.40	NA	0.28	NA	0.36	NA	0.32	NA	1.17	NA	0.53	NA	1.01	NA	2.20	NA	2.50
ORP	NA	NA	99.2	NA	-50.9	NA	55.5	NA	-197	NA	-51	NA	-59.6	NA	64.8	NA	6.8	NA	9.8

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

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

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

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

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

Sample: MW-06	Date	2/27/2013		5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.0017	0.0010	0.0027	0.0010	0.0037	0.0010	0.0039	0.0010	0.0010	0.0010	0.20	0.0010	0.0024	0.0010	0.0016	0.0010	0.0011
Barium	2.0	0.001	0.088	0.0025	0.12	0.0025	0.12	0.0025	0.11	0.0025	0.10	0.0025	0.54	0.0025	0.11	0.0025	0.10	0.0025	0.099
Beryllium	0.004	0.001	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	0.01	0.39	0.050	1.0	0.050	0.62	0.050	0.51	0.050	0.34	0.050	0.35	0.050	0.52	0.050	0.34	0.050	0.34
Cadmium	0.005	0.001	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	50	200	10	99	10	200	10	210	10	230	10	230	10	230 ^	10	240	10	110
Chromium	0.1	0.004	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	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0068	0.0010	ND	0.0010	ND	0.0010	0.0013
Copper	0.65	0.003	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	0.005	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	0.25	ND	0.10	0.36	0.10	0.56	0.10	0.64	0.10	0.42	0.10	0.53	0.10	0.74	0.10	0.79	0.10	0.48
Iron	5.0	0.01	1.1	0.10	1.8	0.10	2.2	0.10	1.8	0.10	1.5	0.10	22	0.10	1.0	0.10	0.81	0.10	1.0
Lead	0.0075	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00082	0.00050	ND
Manganese	0.15	0.001	0.5	0.0025	1.3	0.0025	0.70	0.0025	0.58	0.0025	0.68	0.013	8.0	0.0025	0.71	0.0025	0.57	0.0025	0.86
Mercury	0.002	0.0002	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	0.005	0.0062	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	ND	0.0020	0.0061	0.0020	ND	0.0020	ND	0.0020	0.0024
Nitrogen/Nitrate	10.0	0.02	0.02	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	ND	0.10	ND	0.10	0.11	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.001	0.0025	0.0030	0.0025	ND	0.0025	0.0065	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.005	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	320	130	560	100	440	100	310	100	410	100	530	100	300	100	380	100	360
Thallium	0.002	0.001	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	26	1100	10	1400	10	1200	10	1100	10	1100	10	1400	10	1300	10	1100	10	1100
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	9.30	NA	7.23	NA	7.37	NA	7.55	NA	8.21	NA	7.45	NA	7.73	NA	7.60	NA	8.05
Temperature	NA	NA	14.40	NA	16.14	NA	24.20	NA	23.30	NA	10.06	NA	19.41 *	NA	26.15	NA	19.31	NA	7.20
Conductivity	NA	NA	1.49	NA	1.47	NA	1.71	NA	1.74	NA	1.01	NA	1.84	NA	1.91	NA	2.36	NA	1.17
Dissolved Oxygen	NA	NA	0.18	NA	0.45	NA	0.14	NA	0.26	NA	1.24	NA	0.80	NA	0.39	NA	0.32	NA	0.96
ORP	NA	NA	-85.8	NA	-97.1	NA	-180.4	NA	-233.2	NA	-168.8	NA	-25.3	NA	-143.4	NA	-126.7	NA	-147.7

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

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

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

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

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

Sample: MW-07	Date	2/27/2013		5/31/2013		7/31/2013		10/23/2013		3/5/2014		5/29/2014		8/27/2014		10/29/2014		2/23/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.17	0.0010	0.12	0.0010	0.22	0.0010	0.20	0.0010	0.15	0.0010	ND	0.0010	0.19	0.0010	0.31	0.0010	0.18
Barium	2.0	0.001	0.44	0.0025	0.42	0.0025	0.46	0.0025	0.49	0.0025	0.56	0.0025	0.13	0.0025	0.52	0.0025	0.55	0.0025	0.61
Beryllium	0.004	0.001	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	0.01	0.47	0.050	0.52	0.050	0.41	0.050	0.46	0.050	0.37	0.25	1.0	0.050	0.33	0.050	0.27	0.050	0.39
Cadmium	0.005	0.001	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	50	160	10	180	10	150	10	160	10	170	10	150	10	160 ^	10	150	10	130
Chromium	0.1	0.004	0.017	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	0.002	0.0075	0.0010	0.0059	0.0010	0.0045	0.0010	0.0071	0.0010	0.0085	0.0010	ND	0.0010	0.0070	0.0010	0.0046	0.0010	0.012
Copper	0.65	0.003	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	0.0091
Cyanide	0.2	0.005	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	0.25	ND	0.10	0.47	0.10	0.46	0.10	0.43	0.10	0.41	0.10	0.41	0.10	0.43	0.10	0.46	0.10	0.42
Iron	5.0	0.01	27	0.10	15	0.10	30	0.10	20	0.10	17	0.10	0.15	0.10	14	0.10	35	0.10	23
Lead	0.0075	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0011	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.0066
Manganese	0.15	0.001	9.5	0.025	5.7	0.0025	11	0.0025	5.9	0.0025	5.8 E	0.0025	0.33	0.013	6.6	0.013	13	0.013	7.0
Mercury	0.002	0.0002	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	0.005	0.014	0.0020	0.0063	0.0020	0.0055	0.0020	0.0081	0.0020	0.0099	0.0020	ND	0.0020	0.0072	0.0020	0.0045	0.0020	0.020
Nitrogen/Nitrate	10.0	0.02	0.06	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	NR	NR	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	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0031	0.0025	0.0028	0.0025	ND	0.0025	0.0056	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	36	25	120	10	42	20	80	20	95	10	52	20	71	5.0	16	10	50
Thallium	0.002	0.001	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	26	1200	10	1000	10	1300	10	1200	10	1200	10	1200	10	1300	10	1300	10	1100
Vanadium	0.049	0.005	0.0051	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	0.0084
Zinc	5.0	0.006	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.027
Benzene	0.005	0.005	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	0.03	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
pH	6.5 - 9.0	NA	6.87	NA	6.69	NA	6.68	NA	6.82	NA	7.20	NA	6.67	NA	7.00	NA	6.94	NA	6.90
Temperature	NA	NA	16.30	NA	17.12	NA	17.95	NA	16.36	NA	14.02	NA	17.66 *	NA	22.30	NA	14.31	NA	8.40
Conductivity	NA	NA	1.87	NA	1.42	NA	1.77	NA	1.66	NA	1.36	NA	1.78	NA	1.87	NA	2.62	NA	1.37
Dissolved Oxygen	NA	NA	2.31	NA	0.50	NA	0.29	NA	0.44	NA	1.01	NA	0.65	NA	0.47	NA	1.50	NA	2.66
ORP	NA	NA	-116.9	NA	-145.5	NA	-140.7	NA	-134.7	NA	-116.9	NA	-94.6	NA	-118.1	NA	-109.2	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
NM - Not Measured

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

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

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

Sample: MW-08	Date	2/27/2013		5/30/2013		7/31/2013		10/23/2013		3/3/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.005	0.0010	0.0036	0.0010	0.0041	0.0010	0.0037	0.0010	0.0030	0.0010	ND	0.0010	0.0025	0.0010	0.0022	0.0010	0.0026
Barium	2.0	0.001	0.14	0.0025	0.14	0.0025	0.13	0.0025	0.13	0.0025	0.11	0.0025	0.11	0.0025	0.13	0.0025	0.13	0.0025	0.12
Beryllium	0.004	0.001	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	0.01	1.1	0.050	0.91	0.050	1.2	0.050	0.93	0.050	0.83	0.050	0.44	0.050	0.80	0.050	0.72	0.050	0.81
Cadmium	0.005	0.001	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	50	200	10	230	10	220	10	260	10	230	10	340	50	380 ^	10	340	10	260
Chromium	0.1	0.004	0.0046	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	0.002	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	0.003	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	0.005	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	0.25	0.28	0.10	0.74	0.10	0.68	0.10	0.74	0.10	0.67	0.10	0.65	0.10	0.73	0.10	0.71	0.10	0.63
Iron	5.0	0.01	6.5	0.10	2.3	0.10	6.6	0.10	1.3	0.10	0.89	0.10	0.24	0.10	0.62	0.10	0.53	0.10	0.17
Lead	0.0075	0.001	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	0.001	0.43	0.0025	0.25	0.0025	0.48	0.0025	0.16	0.0025	0.20	0.0025	0.70	0.0025	0.17	0.0025	0.13	0.0025	0.11
Mercury	0.002	0.0002	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	0.005	0.0057	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	0.02	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	NR	NR	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	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.002	0.0025	0.0029	0.0025	ND	0.0025	0.0048	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND
Silver	0.05	0.005	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	330	100	460	100	380	100	350	100	320	100	300	50	240	50	290	50	160
Thallium	0.002	0.001	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	26	1100	10	1300	10	1300	10	1300	10	1200	10	1400	10	1400	10	1200	10	1100
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0040	0.0025	ND
pH	6.5 - 9.0	NA	7.72	NA	7.81	NA	7.39	NA	8.16	NA	8.46	NA	7.72	NA	8.12	NA	7.89	NA	8.62
Temperature	NA	NA	17.10	NA	18.11	NA	17.58	NA	15.62	NA	11.74	NA	19.53	NA	19.84	NA	16.22	NA	6.86
Conductivity	NA	NA	1.78	NA	1.55	NA	1.60	NA	1.62	NA	1.29	NA	1.94	NA	1.95	NA	1.99	NA	1.19
Dissolved Oxygen	NA	NA	0.33	NA	0.32	NA	0.16	NA	0.25	NA	1.19	NA	0.59	NA	0.51	NA	0.66	NA	1.22
ORP	NA	NA	-183.8	NA	-225.9	NA	-182	NA	-225	NA	140.2	NA	-65.2	NA	-148.4	NA	-62.6	NA	-154.2

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

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

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

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

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

Sample: MW-09	Date	2/27/2013		5/30/2013		7/30/2013		10/22/2013		3/3/2014		5/29/2014		8/26/2014		10/30/2014		2/24/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.0013	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0021	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.001	0.049	0.0025	0.042	0.0025	0.050	0.0025	0.048	0.0025	0.064	0.0025	0.044	0.0025	0.039	0.0025	0.047	0.0025	0.043
Beryllium	0.004	0.001	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	0.01	4.3	0.050	3.2	0.050	2.5	0.050	1.6	0.050	1.7	0.25	2.5	0.050	2.4	0.050	1.6	0.050	3.0
Cadmium	0.005	0.001	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	27	2.0	29	2.0	33	2.0	42	2.0	25	2.0	34	2.0	33	2.0	32	2.0	34
Chromium	0.1	0.004	0.0046	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	0.002	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	0.0032	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.65	0.003	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	0.005	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	0.25	ND	0.10	0.21	0.10	0.18	0.10	0.17	0.10	0.16	0.10	0.20	0.10	0.19	0.10	0.15	0.10	0.18
Iron	5.0	0.01	0.024	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	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00051	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.001	0.19	0.0025	0.053	0.0025	0.038	0.0025	0.019	0.0025	0.84	0.0025	0.36	0.0025	0.031	0.0025	0.022	0.0025	0.024
Mercury	0.002	0.0002	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	0.005	ND	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0045	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	ND
Nitrogen/Nitrate	10.0	0.2	12	0.10	11	0.10	7.9	0.10	4.6	0.10	3.2	0.10	11	0.10	1.6	0.10	5.9	0.10	13
Nitrogen/Nitrate, Nitrite	NA	NR	NR	1.0	11	0.50	7.9	0.50	4.6	0.50	3.2	2.5	11	0.10	1.6	0.50	5.9	1.0	13
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.015	0.0025	0.016	0.0025	0.014	0.0025	0.0047	0.0025	0.0030	0.0025	0.0074	0.0025	0.0061	0.0025	0.0084	0.0025	0.0091
Silver	0.05	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	140	50	140	25	130	25	90	25	110	50	110	25	100	50	160	25	130
Thallium	0.002	0.001	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	26	520	10	600	10	610	10	430	10	560	10	540	10	490	10	630	10	570
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.00	NA	7.21	NA	6.63	NA	7.19	NA	7.53	NA	6.99	NA	7.09	NA	7.29	NA	7.53
Temperature	NA	NA	16.40	NA	17.38	NA	14.49	NA	14.68	NA	11.20	NA	19.42	NA	20.80	NA	12.73	NA	11.65
Conductivity	NA	NA	0.82	NA	0.72	NA	0.76	NA	0.66	NA	0.66	NA	0.78	NA	0.79	NA	1.05	NA	0.67
Dissolved Oxygen	NA	NA	0.87	NA	0.64	NA	0.29	NA	1.01	NA	1.27	NA	2.11	NA	0.80	NA	1.52	NA	1.37
ORP	NA	NA	77.2	NA	-68.3	NA	117.2	NA	-159.8	NA	316.1	NA	41.5	NA	22.3	NA	16.3	NA	25.0

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

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

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

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

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

Sample: MW-10	Date	2/27/2013		5/29/2013		7/31/2013		10/23/2013		3/6/2014		5/30/2014		8/28/2014		10/30/2014		2/23/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.001	0.0010	0.0012	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND	0.0010	ND
Barium	2.0	0.001	0.22	0.0025	0.30	0.0025	0.18	0.0025	0.23	0.0025	0.31	0.0025	0.25	0.0025	0.28	0.0025	0.13	0.0025	0.17
Beryllium	0.004	0.001	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	0.01	0.64	0.050	0.98	0.050	1.9	0.050	0.61	0.050	2.1	0.25	3.2	0.050	1.9	0.050	0.84	0.050	0.83
Cadmium	0.005	0.001	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	37	2.0	41	2.0	40	2.0	54	2.0	40	2.0	37	2.0	57	2.0	62	2.0	22
Chromium	0.1	0.004	0.0064	0.0050	0.0061	0.0050	ND	0.0050	ND	0.0050	ND^	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	1.0	0.002	0.0021	0.0010	0.012	0.0010	0.0019	0.0010	0.0025	0.0010	0.0037	0.0010	0.0012	0.0010	0.0034	0.0010	0.0015	0.0010	0.0019
Copper	0.65	0.003	ND	0.0020	0.028	0.0020	ND	0.0020	ND	0.0020	0.0020^	0.0020	ND	0.0020	ND ^	0.0020	ND	0.0020	ND
Cyanide	0.2	0.005	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	ND	0.010	0.024	0.010	ND	0.010	ND
Fluoride	4.0	0.25	ND	0.10	0.18	0.10	0.18	0.10	0.17	0.10	0.20	0.10	0.18	0.10	0.20	0.10	0.18	0.10	0.17
Iron	5.0	0.01	ND	0.10	2.7	0.10	ND	0.10	0.18	0.10	0.19	0.10	0.11	0.10	0.34	0.10	ND	0.10	0.22
Lead	0.0075	0.001	ND	0.00050	0.012	0.00050	ND	0.00050	ND	0.00050	0.00080	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Manganese	0.15	0.001	1.9	0.0025	3.2	0.0025	1.5	0.0025	2.0	0.0025	3.1	0.0025	1.6	0.0025	2.1	0.0025	1.1	0.0025	1.3
Mercury	0.002	0.0002	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	0.005	0.0079	0.0020	0.023	0.0020	0.0037	0.0020	0.0051	0.0020	0.0073	0.0020	0.0038	0.0020	0.0046	0.0020	0.0028	0.0020	0.0045
Nitrogen/Nitrate	10.0	0.2	3.3	0.10	1.9	0.10	1.5	0.10	1.2	0.10	2.0	0.10	2.1	0.10	0.41	0.10	0.67	0.10	0.90
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.20	1.9	0.10	1.6	0.10	1.2	0.50	2.0	0.50	2.1	0.10	0.43	0.10	0.71	0.10	0.94
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	0.056	0.020	0.034	0.020	ND	0.020	0.028	0.020	0.022	0.020	0.039	0.020	0.038
Perchlorate	0.0049	NR	NR	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	0.001	0.0083	0.0025	0.0043	0.0025	0.0087	0.0025	0.0080	0.0025	ND	0.0025	0.0073	0.0025	0.0057	0.0025	0.0048	0.0025	0.0028
Silver	0.05	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	69	25	92	25	150	25	90	50	160	50	140	25	110	25	95	10	46
Thallium	0.002	0.001	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	26	440	10	580	10	550	10	620	10	670	10	630	10	590	10	550	10	530
Vanadium	0.049	0.005	ND	0.0050	0.012	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Zinc	5.0	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.39	NA	6.87	NA	6.85	NA	7.02	NA	7.90	NA	7.09	NA	6.74	NA	7.16	NA	7.36
Temperature	NA	NA	11.60	NA	14.99	NA	13.28	NA	11.61	NA	10.63	NA	18.61 *	NA	15.79	NA	11.11	NA	5.22
Conductivity	NA	NA	0.70	NA	0.69	NA	0.71	NA	0.70	NA	0.63	NA	0.93	NA	0.83	NA	1.04	NA	0.56
Dissolved Oxygen	NA	NA	0.49	NA	0.39	NA	0.19	NA	0.50	NA	1.00	NA	3.29	NA	0.77	NA	0.64	NA	3.45
ORP	NA	NA	33.2	NA	63.9	NA	20.8	NA	-138.7	NA	-65.7	NA	-39.0	NA	-0.5	NA	-86.1	NA	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 Resource Groundwater
All values are in mg/L (ppm) unless otherwise noted.

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

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

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

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

Sample: MW-11	Date	2/27/2013		5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.045	0.0010	0.028	0.0010	0.038	0.0010	0.038	0.0010	0.057	0.0010	0.036	0.0010	0.068	0.0010	0.045	0.0010	0.022
Barium	2.0	0.001	0.2	0.0025	0.15	0.0025	0.19	0.0025	0.18	0.0025	0.22	0.0025	0.16	0.0025	0.21	0.0025	0.19	0.0025	0.16
Beryllium	0.004	0.001	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	0.01	1.4	0.050	1.3	0.050	1.5	0.050	1.2	0.050	1.1	0.25	1.4	0.050	0.97	0.050	0.89	0.050	1.7
Cadmium	0.005	0.001	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	84	10	79	10	110	10	79	2.0	67	2.0	70	10	120	10	91	2.0	66
Chromium	0.1	0.004	0.0099	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	0.002	0.0028	0.0010	0.0020	0.0010	0.0023	0.0010	0.0025	0.0010	ND	0.0010	0.0017	0.0010	0.0017	0.0010	0.0017	0.0010	0.0023
Copper	0.65	0.003	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	0.005	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	0.25	0.43	0.10	0.79	0.10	0.80	0.10	0.75	0.10	0.64	0.10	0.64	0.10	0.71	0.10	0.71	0.10	0.66
Iron	5.0	0.01	2.4	0.10	3.1	0.10	3.9	0.10	3.3	0.10	5.8	0.10	3.8	0.10	5.5	0.10	5.0	0.10	2.0
Lead	0.0075	0.001	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	0.001	11	0.025	7.5	0.0025	8.0	0.0025	7.3	0.013	7.9	0.013	8.0	0.013	8.4	0.013	6.6	0.025	5.5
Mercury	0.002	0.0002	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	0.005	0.0088	0.0020	0.0026	0.0020	0.0033	0.0020	0.0036	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	0.0023	0.0020	0.0042
Nitrogen/Nitrate	10.0	0.02	0.33	0.10	1.1	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.27	0.10	ND	0.10	ND	0.10	ND
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	1.1	0.10	ND	0.10	0.18	0.10	0.34	0.10	0.27	0.10	ND	0.10	ND^	0.10	ND
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0014	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	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	150	50	240	50	280	50	180	50	210	50	170	50	200	50	200	25	120
Thallium	0.002	0.001	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	26	840	10	850	10	980	10	770	10	760	10	660	10	860	10	790	10	700
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.27	NA	6.99	NA	7.08	NA	7.23	NA	8.00	NA	7.10	NA	7.12	NA	7.37	NA	7.55
Temperature	NA	NA	14.20	NA	17.00	NA	16.66	NA	13.33	NA	9.77	NA	19.35	NA	22.73	NA	16.12	NA	10.59
Conductivity	NA	NA	1.30	NA	1.19	NA	1.22	NA	1.10	NA	0.92	NA	1.19	NA	1.38	NA	1.34	NA	0.91
Dissolved Oxygen	NA	NA	3.55	NA	0.28	NA	0.20	NA	0.76	NA	2.38	NA	0.32	NA	0.98	NA	0.71	NA	2.74
ORP	NA	NA	-113.2	NA	-147.5	NA	-144.2	NA	-141.3	NA	-108.3	NA	-126.2	NA	-138.8	NA	-126.3	NA	-110.5

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

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

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

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

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

Sample: MW-12	Date	2/27/2013		5/30/2013		7/29/2013		10/22/2013		3/4/2014		5/29/2014		8/26/2014		10/28/2014		2/24/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.0066	0.0010	0.0031	0.0010	0.016	0.0010	0.018	0.0010	0.0025	0.0010	0.0017	0.0010	0.0021	0.0010	0.0019	0.0010	ND
Barium	2.0	0.001	0.1	0.0025	0.091	0.0025	0.092	0.0025	0.087	0.0025	0.086	0.0025	0.073	0.0025	0.066	0.0025	0.063	0.0025	0.070
Beryllium	0.004	0.001	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	0.01	1.1	0.050	3.7	0.050	1.1	0.050	1.1	0.050	0.41	0.050	0.69	0.050	0.73	0.050	0.59	0.050	0.58
Cadmium	0.005	0.001	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	50	190	10	200	10	190	10	180	10	220	10	220	10	210	10	200	10	210
Chromium	0.1	0.004	0.0052	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	0.002	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	0.003	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	0.005	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	0.25	ND	0.10	0.62	0.10	0.56	0.10	0.51	0.10	0.56	0.10	0.42	0.10	0.54	0.10	0.54	0.10	0.58
Iron	5.0	0.01	5.8	0.10	8.9	0.10	4.5	0.10	0.23	0.10	2.4	0.10	0.39	0.10	0.17	0.10	0.33	0.10	1.7
Lead	0.0075	0.001	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	0.001	0.38	0.0025	0.24	0.0025	1.3	0.0025	1.5	0.0025	0.23	0.0025	0.65	0.0025	1.2	0.0025	1.2	0.0025	0.17
Mercury	0.002	0.0002	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	0.005	0.0065	0.0020	ND	0.0020	0.0029	0.0020	0.0028	0.0020	0.0020	0.0020	0.0026	0.0020	0.0033	0.0020	0.0031	0.0020	0.0031
Nitrogen/Nitrate	10.0	0.02	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	NR	NR	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	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.048	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	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	0.001	0.002	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	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	50	350	100	410	100	420	100	270	100	530	100	560	100	310	100	420	100	450
Thallium	0.002	0.001	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	26	1000	10	1200	10	1200	10	1000	10	1400	10	1300 H	10	1100	10	1000	10	1300
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.36	NA	7.17	NA	7.29	NA	7.73	NA	7.99	NA	7.14	NA	7.37	NA	7.33	NA	7.61
Temperature	NA	NA	16.30	NA	21.42	NA	17.93	NA	14.78	NA	11.22	NA	19.48	NA	22.71	NA	16.37	NA	6.11
Conductivity	NA	NA	1.60	NA	1.63	NA	1.47	NA	1.20	NA	1.30	NA	1.73	NA	1.69	NA	1.55	NA	1.24
Dissolved Oxygen	NA	NA	0.35	NA	1.04	NA	0.25	NA	0.20	NA	1.43	NA	1.59	NA	0.36	NA	0.36	NA	1.29
ORP	NA	NA	-141.2	NA	-146.5	NA	-85.9	NA	-205.6	NA	-91.9	NA	-23.6	NA	-49.2	NA	6.0	NA	-80.6

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

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

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

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

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

Sample: MW-13	Date	2/28/2013		5/30/2013		7/30/2013		10/22/2013		3/4/2014		5/28/2014		8/27/2014		10/29/2014		2/26/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.029	0.0010	0.031	0.0010	0.029	0.0010	0.024	0.0010	0.028	0.0010	0.024	0.0010	0.031	0.0010	0.028	0.0010	0.028
Barium	2.0	0.001	0.19	0.0025	0.23	0.0025	0.23	0.0025	0.16	0.0025	0.21	0.0025	0.22	0.0025	0.21	0.0025	0.24	0.0025	0.24
Beryllium	0.004	0.001	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	0.01	4.2	0.050	1.6	0.050	3.8	0.050	3.5	0.050	2.9	0.25	3.5	0.050	3.0	0.050	2.2	0.25	3.5
Cadmium	0.005	0.001	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	50	170	10	190	10	190	10	180	10	190	10	180	10	190	10	180	10	180
Chromium	0.1	0.004	0.0057	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	0.002	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	0.003	0.0037	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	0.005	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	0.25	ND	0.10	0.39	0.10	0.39	0.10	0.39	0.10	0.36	0.10	0.35	0.10	0.40	0.10	0.40	0.10	0.37
Iron	5.0	0.01	0.28	0.10	1.3	0.10	1.6	0.10	0.29	0.10	1.8	0.10	0.74	0.10	0.63	0.10	0.98	0.10	0.69
Lead	0.0075	0.001	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	0.001	3.5	0.0025	3.8	0.0025	4.0	0.0025	2.8	0.0025	2.9	0.0025	3.4	0.0025	3.5	0.0025	3.8	0.0025	3.8
Mercury	0.002	0.0002	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	0.005	0.011	0.0020	ND	0.0020	0.0027	0.0020	0.0024	0.0020	ND	0.0020	ND	0.0020	ND	0.0020	0.0020	0.0020	0.0040
Nitrogen/Nitrate	10.0	0.02	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	NR	NR	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	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0025	0.0025	0.010	0.0025	0.0095	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0047	0.0025	0.0045	0.0025	ND
Silver	0.05	0.005	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	730	250	880	250	1000	250	690	250	660	250	630	250	740	250	1400	250	1000
Thallium	0.002	0.001	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	26	1600	10	2000	10	2000	10	1700	10	1900	10	2100	10	2300	10	2200	10	2300
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.26	NA	7.65	NA	7.61	NA	7.81	NA	8.67	NA	7.73	NA	7.82	NA	7.72	NA	8.20
Temperature	NA	NA	14.00	NA	18.10	NA	16.26	NA	12.38	NA	12.91	NA	23.09	NA	20.49	NA	13.90	NA	9.51
Conductivity	NA	NA	2.05	NA	2.12	NA	2.13	NA	1.83	NA	1.72	NA	2.63	NA	2.50	NA	3.41	NA	2.11
Dissolved Oxygen	NA	NA	1.69	NA	1.16	NA	0.27	NA	0.94	NA	0.99	NA	0.93	NA	0.34	NA	0.84	NA	1.60
ORP	NA	NA	134	NA	-177.9	NA	-171.2	NA	-189.1	NA	-190.9	NA	-44.7	NA	-128.5	NA	-140.4	NA	-161.4

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

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

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

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

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

Sample: MW-14	Date	2/27/2013		5/30/2013		7/30/2013		10/23/2013		3/4/2014		5/28/2014		8/28/2014		10/29/2014		2/26/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.0066	0.0010	0.0023	0.0010	0.0016	0.0010	ND	0.0010	0.0016	0.0010	0.0011	0.0010	0.0052	0.0010	0.0063	0.0010	0.0011
Barium	2.0	0.001	0.032	0.0025	0.053	0.0025	0.042	0.0025	0.050	0.0025	0.044	0.0025	0.033	0.0025	0.057	0.0025	0.045	0.0025	0.050
Beryllium	0.004	0.001	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	0.01	1.9	0.050	1.7	0.050	1.7	0.050	2.0	0.050	1.6	0.25	1.8	0.050	1.9	0.50	2.2	0.25	2.2
Cadmium	0.005	0.001	ND	0.00050	0.00060	0.00050	0.00086	0.00050	0.00062	0.00050	0.00053	0.00050	ND	0.00050	0.00052	0.00050	ND	0.00050	ND
Chloride	200.0	25	92	10	160	10	190	10	190	10	220	10	140	10	190	10	180	10	180
Chromium	0.1	0.004	0.0095	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	0.002	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	0.003	0.003	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	0.005	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	0.25	0.29	0.10	1.1	0.10	1.1	0.10	0.95	0.10	0.96	0.10	0.95	0.10	0.91	0.10	0.94	0.10	0.76
Iron	5.0	0.01	0.02	0.10	ND	0.10	ND	0.10	0.39	0.10	1.2	0.10	0.60	0.10	4.6	0.10	5.3	0.10	0.17
Lead	0.0075	0.001	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	0.00078	0.00050	ND
Manganese	0.15	0.001	0.12	0.0025	0.72	0.0025	0.32	0.0025	1.2	0.0025	1.3	0.0025	0.34	0.0025	1.8	0.0025	1.3	0.0025	0.15
Mercury	0.002	0.0002	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	0.005	0.0094	0.0020	0.0027	0.0020	0.0073	0.0020	0.0042	0.0020	0.0032	0.0020	0.0031	0.0020	0.0033	0.0020	0.0030	0.0020	0.0045
Nitrogen/Nitrate	10.0	0.2	3.5	0.10	ND	0.10	ND	0.10	0.16	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	0.24
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	ND	0.10	ND	0.10	0.18	0.10	ND	0.10	0.22	0.10	ND	0.10	ND	0.10	0.24
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	0.022	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	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	0.001	0.15	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.020	0.0025	0.014	0.0025	ND	0.0025	ND	0.0025	0.023
Silver	0.05	0.005	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	250	800	250	900	250	840	100	680	100	720	250	1100	250	1300	250	850
Thallium	0.002	0.001	0.0043	0.0020	0.0025	0.0020	0.0043	0.0020	0.0022	0.0020	0.0023	0.0020	0.0026	0.0020	0.0023	0.0020	ND	0.0020	ND
Total Dissolved Solids	1,200	26	1300	10	2000	10	2100	10	2100	10	1900	10	1700	10	2400	10	2200	10	2200
Vanadium	0.049	0.005	0.007	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.21	NA	7.03	NA	6.93	NA	7.11	NA	7.72	NA	6.99	NA	7.17	NA	7.31	NA	7.28
Temperature	NA	NA	14.50	NA	17.22	NA	16.52	NA	13.59	NA	12.83	NA	17.53	NA	20.10	NA	14.66	NA	6.67
Conductivity	NA	NA	1.72	NA	1.98	NA	2.17	NA	2.10	NA	1.74	NA	2.00	NA	2.83	NA	3.49	NA	1.89
Dissolved Oxygen	NA	NA	3.88	NA	0.72	NA	0.31	NA	0.51	NA	1.55	NA	0.42	NA	0.37	NA	0.66	NA	4.11
ORP	NA	NA	127	NA	5.9	NA	2.8	NA	-146.8	NA	-77.3	NA	-26.4	NA	-41.2	NA	-105.4	NA	52.4

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

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

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

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

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

Sample: MW-15	Date	2/28/2013		5/30/2013		7/30/2013		10/23/2013		3/6/2014		5/28/2014		8/27/2014		10/28/2014		2/26/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	0.0078	0.0010	0.0037	0.0010	0.0046	0.0010	0.0066	0.0010	0.0072	0.0010	0.0019	0.0010	0.0029	0.0010	0.0059	0.0010	0.0017
Barium	2.0	0.001	0.096	0.0025	0.11	0.0025	0.080	0.0025	0.12	0.0025	0.098	0.0025	0.068	0.0025	0.14	0.0025	0.14	0.0025	0.10
Beryllium	0.004	0.001	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	0.01	1.7	0.050	1.5	0.050	1.6	0.050	1.2	0.050	1.1	0.25	1.2	0.050	0.95	0.050	0.74	0.25	1.1
Cadmium	0.005	0.001	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	50	200	10	210	10	220	10	210	10	240	10	220	10	240	10	230	10	240
Chromium	0.1	0.004	0.0062	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	0.002	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	0.003	0.0036	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	0.005	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	0.25	0.29	0.10	0.65	0.10	0.78	0.10	0.71	0.10	0.78	0.10	0.65	0.10	0.67	0.10	0.71	0.10	0.64
Iron	5.0	0.01	1.5	0.10	0.83	0.10	1.3	0.10	1.1	0.10	2.0	0.10	0.37	0.10	0.78	0.10	2.1	0.10	0.28
Lead	0.0075	0.001	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	0.001	0.35	0.0025	0.27	0.0025	0.30	0.0025	0.43	0.0025	0.59	0.0025	0.30	0.0025	0.95	0.0025	0.87	0.0025	0.40
Mercury	0.002	0.0002	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	0.005	0.0079	0.0020	0.0072	0.0020	0.0063	0.0020	0.0052	0.0020	0.0034	0.0020	0.0047	0.0020	0.0038	0.0020	0.0037	0.0020	0.0090
Nitrogen/Nitrate	10.0	0.02	0.02	0.10	ND	0.10	ND	0.10	0.22	0.10	ND	0.10	0.40	0.10	ND	0.10	ND	0.10	0.18
Nitrogen/Nitrate, Nitrite	NA	NR	NR	0.10	ND	0.10	ND	0.10	0.22	0.10	ND	0.10	0.40	0.10	ND	0.10	ND^	0.10	0.18
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	0.046	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	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	0.001	0.0024	0.0025	0.0065	0.0025	ND	0.0025	0.013	0.0025	ND	0.0025	0.033	0.0025	ND	0.0025	0.0030	0.0025	0.068
Silver	0.05	0.005	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	280	250	570	100	460	100	420	100	260	100	390	130	620	100	660	100	460
Thallium	0.002	0.001	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	26	1100	10	1700	10	1400	10	1400	10	1300	10	1300	10	1800	10	1600	10	1400
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.09	NA	6.71	NA	6.93	NA	7.18	NA	7.75	NA	6.89	NA	7.45	NA	7.36	NA	7.53
Temperature	NA	NA	13.30	NA	18.64	NA	16.91	NA	15.59	NA	14.71	NA	20.04	NA	26.66	NA	17.05	NA	7.93
Conductivity	NA	NA	1.00	NA	1.97	NA	1.62	NA	1.58	NA	1.29	NA	1.80	NA	2.32	NA	2.26	NA	1.41
Dissolved Oxygen	NA	NA	0.37	NA	0.40	NA	0.16	NA	0.28	NA	1.15	NA	0.65	NA	0.57	NA	0.45	NA	1.36
ORP	NA	NA	-87	NA	-9.3	NA	-48.3	NA	-180.6	NA	-141.6	NA	-8.6	NA	-30.9	NA	-84.6	NA	-34.4

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

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

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

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

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

Sample: MW-16	Date	2/27/2013		5/29/2013		7/29/2013		10/22/2013		3/3/2014		5/30/2014		8/26/2014		10/30/2014		2/24/2015	
Parameter	Standards	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.006	0.003	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	0.001	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	0.001	0.042	0.0025	0.038	0.0025	0.035	0.0025	0.037	0.0025	0.060	0.0025	0.036	0.0025	0.035	0.0025	0.034	0.0025	0.038
Beryllium	0.004	0.001	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	0.01	0.13	0.050	0.20	0.050	0.26	0.050	0.35	0.050	0.17	0.050	0.17	0.050	0.15	0.050	0.14	0.050	0.17
Cadmium	0.005	0.001	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	18	2.0	19	2.0	21	2.0	35	10	230	2.0	20	2.0	25	2.0	24	2.0	24
Chromium	0.1	0.004	0.0052	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	0.002	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	0.003	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	0.005	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	0.25	ND	0.10	ND	0.10	0.11	0.10	0.11	0.10	ND	0.10	0.11	0.10	0.11	0.10	0.10	0.10	0.10
Iron	5.0	0.01	0.019	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	0.001	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	0.001	0.0053	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0035	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	0.0025
Mercury	0.002	0.0002	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	0.005	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	0.5	23	0.10	20	0.10	13	0.10	19	0.10	16	0.10	21	0.10	22	0.10	28	0.10	28
Nitrogen/Nitrate, Nitrite	NA	NR	NR	2.5	20	2.5	13	1.0	19	2.0	16	2.5	21	2.0	22	2.5	28	2.0	28
Nitrogen/Nitrite	NA	NR	NR	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Perchlorate	0.0049	NR	NR	0.0040	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	0.001	0.0015	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	0.005	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Sulfate	400.0	10	31	20	50	20	55	20	55	10	34	10	40	10	35	10	54	10	27
Thallium	0.002	0.001	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	26	420	10	460	10	440	10	540	10	800	10	390	10	440	10	510	10	490
Vanadium	0.049	0.005	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	0.006	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	0.005	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	0.03	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
pH	6.5 - 9.0	NA	8.31	NA	7.10	NA	7.18	NA	7.27	NA	7.85	NA	7.20	NA	7.41	NA	7.30	NA	7.56
Temperature	NA	NA	13.10	NA	15.29	NA	16.61	NA	12.74	NA	9.98	NA	17.83 *	NA	22.10	NA	13.09	NA	8.21
Conductivity	NA	NA	1.17	NA	0.60	NA	0.59	NA	0.63	NA	0.89	NA	0.88	NA	0.75	NA	0.94	NA	0.57
Dissolved Oxygen	NA	NA	8.53	NA	6.78	NA	4.91	NA	6.24	NA	6.50	NA	6.99	NA	6.84	NA	2.05	NA	8.44
ORP	NA	NA	-38	NA	70.2	NA	24.7	NA	-83.4	NA	315.3	NA	74.8	NA	36.7	NA	-2.7	NA	95.6

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

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

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

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

Table 3. East Yard Run-off Basin Analytical Results - Midwest Generation LLC, Powerton Station, Pekin, IL

Date	2/28/2013		5/13/2013		7/29/2013		10/22/2013		3/4/2014		5/28/2014		8/26/2014		10/28/2014		2/24/2015	
Parameter	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result	DL	Result
Antimony	0.003	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	0.001	0.0043	0.0010	0.0030	0.0010	0.0066	0.0010	0.0036	0.0010	0.0037	0.0010	0.0042	0.0010	0.0081	0.0010	0.0051	0.0010	0.0033
Barium	0.001	0.15	0.0025	0.16	0.0025	0.33	0.0025	0.098	0.0025	0.16	0.0025	0.085	0.0025	0.085	0.0025	0.12	0.0025	0.13
Beryllium	0.001	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	0.01	0.35	0.050	0.35 ^	0.050	0.43	0.050	0.38	0.050	0.31	0.050	0.37	0.050	0.32	0.050	0.32	0.050	0.29
Cadmium	0.001	ND	0.00050	ND	0.00050	0.0014	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND	0.00050	ND
Chloride	50	200	10	130	10	150	10	170	10	230	10	210	10	190	10	180	10	180
Chromium	0.004	0.0041	0.0050	ND	0.0050	0.021	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND	0.0050	ND
Cobalt	0.002	ND	0.0010	ND	0.0010	0.0023	0.0010	ND	0.0010	ND	0.0010	ND ^	0.0010	ND	0.0010	ND	0.0010	ND
Copper	0.003	0.0032	0.0020	0.0057	0.0020	0.022	0.0020	0.0032	0.0020	0.0036	0.0020	0.0027	0.0020	0.0038	0.0020	0.0026	0.0020	0.0026
Cyanide	0.005	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	0.25	0.29	0.10	0.42	0.10	0.47	0.10	0.45	0.10	0.46	0.10	0.50	0.10	0.37	0.10	0.49	0.10	0.46
Iron	0.01	0.025	0.10	0.62	0.10	6.6	0.10	2.6	0.10	0.62	0.10	ND ^	0.10	1.1	0.10	0.20	0.10	0.17
Lead	0.001	ND	0.00050	0.0044	0.00050	0.024	0.00050	ND	0.00050	0.0024	0.00050	ND	0.00050	0.00075	0.00050	0.0058 B	0.00050	0.00071
Manganese	0.001	0.0037	0.0025	0.060	0.0025	0.14	0.0025	0.021	0.0025	0.025	0.0025	0.018	0.0025	0.016	0.0025	0.021	0.0025	0.0083
Mercury	0.0002	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	0.005	0.0066	0.0020	0.0029	0.0020	0.010	0.0020	0.0027	0.0020	0.0026	0.0020	0.0026	0.0020	0.0022	0.0020	0.0022	0.0020	0.0023
Nitrogen/Nitrate	0.02	0.48	0.10	ND	0.10	0.14	0.10	ND	0.10	0.98	0.10	ND	0.10	ND	0.10	ND	0.10	0.97
Nitrogen/Nitrate, Nitrite	NS	NS	0.10	ND ^	0.10	0.14	0.10	0.12	0.10	1.0	0.10	ND	0.10	0.67	0.10	ND	0.10	0.97
Nitrogen/Nitrite	NS	NS	0.020	ND	0.020	ND	0.020	0.024	0.020	0.021	0.020	ND	0.50	1.2	0.020	ND	0.020	ND
Perchlorate	NS	NS	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	0.001	0.0037	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	0.005	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	50	220	50	160	50	240	50	240	50	170	50	240	50	230	50	310	50	190
Thallium	0.001	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	26	820	10	590	10	630	10	750	10	900	10	860	10	630	10	850	10	810
Vanadium	0.005	0.011	0.0050	0.0071	0.0050	0.043	0.0050	0.0066	0.0050	0.0072	0.0050	0.0091	0.0050	0.0086	0.0050	0.0075	0.0050	0.0099
Zinc	0.006	ND	0.020	0.042	0.020	0.27	0.020	ND	0.020	0.028	0.020	ND	0.020	ND	0.020	ND	0.020	ND
Benzene	0.005	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	0.03	ND	0.00250	ND	0.00250	ND	0.00250	ND	0.00250	ND	0.0025	ND	0.0025	ND	0.0025	ND	0.0025	ND

Notes: All values are in mg/L (ppm) unless otherwise noted.
DL - Detection limit
B - Compound detected in blank
^ - Denotes instrument related QC exceeds the control limits
NA - Not Applicable
ND - Not Detected
NM - Not Measured
NR - Not Required
NS - Not Sampled

MWG13-15_48742

ATTACHMENT 1
Analytical Data Package(s)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-92583-1
Client Project/Site: Powerton Station Ash Ponds

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

Attn: Richard Gnat

Authorized for release by:
3/11/2015 11:04:05 AM

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

Table of Contents

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

TestAmerica Job ID: 500-92583-1

Job ID: 500-92583-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-92583-1

Comments
No additional comments.

Receipt
The samples were received on 2/25/2015 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 6 coolers at receipt time were 2.6º C, 2.6º C, 2.8º C, 3.1º C, 3.4º C and 3.6º 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 method blank for preparation batch 277996 contained Pb above the reporting limit (RL). All of the samples associated with this method blank contained the target compound except sample 500-92583-3. Reanalysis was only performed on this sample.

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 Ash Ponds

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-01 — Lab Sample ID: 500-92583-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.037		0.0025		mg/L	1		6020A	Dissolved
Boron	0.059		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0043		0.0025		mg/L	1		6020A	Dissolved
Sulfate	43		10		mg/L	2		9038	Dissolved
Chloride	37		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	4.1		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	470		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.17		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	4.1		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-06 — Lab Sample ID: 500-92583-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Dissolved
Barium	0.099		0.0025		mg/L	1		6020A	Dissolved
Boron	0.34		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0013		0.0010		mg/L	1		6020A	Dissolved
Iron	1.0		0.10		mg/L	1		6020A	Dissolved
Manganese	0.86		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0024		0.0020		mg/L	1		6020A	Dissolved
Sulfate	360		100		mg/L	20		9038	Dissolved
Chloride	110		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.48		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-07 — Lab Sample ID: 500-92583-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.18		0.0010		mg/L	1		6020A	Dissolved
Barium	0.61		0.0025		mg/L	1		6020A	Dissolved
Boron	0.39		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.012		0.0010		mg/L	1		6020A	Dissolved
Copper	0.0091		0.0020		mg/L	1		6020A	Dissolved
Iron	23		0.10		mg/L	1		6020A	Dissolved
Lead	0.0066		0.00050		mg/L	1		6020A	Dissolved
Manganese	7.0		0.013		mg/L	5		6020A	Dissolved
Nickel	0.020		0.0020		mg/L	1		6020A	Dissolved
Vanadium	0.0084		0.0050		mg/L	1		6020A	Dissolved
Zinc	0.027		0.020		mg/L	1		6020A	Dissolved
Sulfate	50		10		mg/L	2		9038	Dissolved
Chloride	130		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.42		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-10 — Lab Sample ID: 500-92583-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.17		0.0025		mg/L	1		6020A	Dissolved
Boron	0.83		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0019		0.0010		mg/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10 (Continued) — Lab Sample ID: 500-92583-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	0.22		0.10		mg/L	1		6020A	Dissolved
Manganese	1.3		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0045		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.0028		0.0025		mg/L	1		6020A	Dissolved
Sulfate	46		10		mg/L	2		9038	Dissolved
Chloride	22		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.90		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	530		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.17		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.038		0.020		mg/L	1		SM 4500 NO2 B	Dissolved
Nitrogen, Nitrate Nitrite	0.94		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: Duplicate — Lab Sample ID: 500-92583-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.16		0.0025		mg/L	1		6020A	Dissolved
Boron	0.81		0.050		mg/L	1		6020A	Dissolved
Cobalt	0.0018		0.0010		mg/L	1		6020A	Dissolved
Iron	0.12		0.10		mg/L	1		6020A	Dissolved
Manganese	1.2		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0039		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.0031		0.0025		mg/L	1		6020A	Dissolved
Sulfate	53		10		mg/L	2		9038	Dissolved
Chloride	33		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	0.96		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	530		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.18		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrite	0.040		0.020		mg/L	1		SM 4500 NO2 B	Dissolved
Nitrogen, Nitrate Nitrite	1.0		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-09 — Lab Sample ID: 500-92583-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.043		0.0025		mg/L	1		6020A	Dissolved
Boron	3.0		0.050		mg/L	1		6020A	Dissolved
Manganese	0.024		0.0025		mg/L	1		6020A	Dissolved
Selenium	0.0091		0.0025		mg/L	1		6020A	Dissolved
Sulfate	130		25		mg/L	5		9038	Dissolved
Chloride	34		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	13		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	570		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.18		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	13		1.0		mg/L	10		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-11 — Lab Sample ID: 500-92583-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.022		0.0010		mg/L	1		6020A	Dissolved
Barium	0.16		0.0025		mg/L	1		6020A	Dissolved
Boron	1.7		0.050		mg/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11 (Continued) — Lab Sample ID: 500-92583-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	0.0023		0.0010		mg/L	1		6020A	Dissolved
Iron	2.0		0.10		mg/L	1		6020A	Dissolved
Manganese	5.5		0.025		mg/L	10		6020A	Dissolved
Nickel	0.0042		0.0020		mg/L	1		6020A	Dissolved
Sulfate	120		25		mg/L	5		9038	Dissolved
Chloride	66		2.0		mg/L	1		9251	Dissolved
Total Dissolved Solids	700		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.66		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-12 — Lab Sample ID: 500-92583-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.070		0.0025		mg/L	1		6020A	Dissolved
Boron	0.58		0.050		mg/L	1		6020A	Dissolved
Iron	1.7		0.10		mg/L	1		6020A	Dissolved
Manganese	0.17		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0031		0.0020		mg/L	1		6020A	Dissolved
Sulfate	450		100		mg/L	20		9038	Dissolved
Chloride	210		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.58		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-16 — Lab Sample ID: 500-92583-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.038		0.0025		mg/L	1		6020A	Dissolved
Boron	0.17		0.050		mg/L	1		6020A	Dissolved
Manganese	0.0025		0.0025		mg/L	1		6020A	Dissolved
Sulfate	27		10		mg/L	2		9038	Dissolved
Chloride	24		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	28		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	490		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.10		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	28		2.0		mg/L	20		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-02 — Lab Sample ID: 500-92583-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0015		0.0010		mg/L	1		6020A	Dissolved
Barium	0.051		0.0025		mg/L	1		6020A	Dissolved
Boron	0.082		0.050		mg/L	1		6020A	Dissolved
Sulfate	57		10		mg/L	2		9038	Dissolved
Chloride	54		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	5.9		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	510		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.17		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	5.9		0.50		mg/L	5		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-03 — Lab Sample ID: 500-92583-11

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-03 (Continued) — Lab Sample ID: 500-92583-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.048		0.0025		mg/L	1		6020A	Dissolved
Boron	0.32		0.050		mg/L	1		6020A	Dissolved
Sulfate	46		10		mg/L	2		9038	Dissolved
Chloride	47		2.0		mg/L	1		9251	Dissolved
Nitrogen, Nitrate	2.0		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	400		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.23		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	2.0		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-04 — Lab Sample ID: 500-92583-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.025		0.0025		mg/L	1		6020A	Dissolved
Boron	0.94		0.050		mg/L	1		6020A	Dissolved
Manganese	0.018		0.0025		mg/L	1		6020A	Dissolved
Sulfate	100		25		mg/L	5		9038	Dissolved
Chloride	74		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.30		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	580		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.32		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.30		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-05 — Lab Sample ID: 500-92583-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.041		0.0025		mg/L	1		6020A	Dissolved
Boron	1.1		0.050		mg/L	1		6020A	Dissolved
Manganese	0.058		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0025		0.0020		mg/L	1		6020A	Dissolved
Sulfate	110		20		mg/L	4		9038	Dissolved
Chloride	79		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.74		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	570		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.38		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.74		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-08 — Lab Sample ID: 500-92583-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0026		0.0010		mg/L	1		6020A	Dissolved
Barium	0.12		0.0025		mg/L	1		6020A	Dissolved
Boron	0.81		0.050		mg/L	1		6020A	Dissolved
Iron	0.17		0.10		mg/L	1		6020A	Dissolved
Manganese	0.11		0.0025		mg/L	1		6020A	Dissolved
Sulfate	160		50		mg/L	10		9038	Dissolved
Chloride	260		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	1100		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.63		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-13 — Lab Sample ID: 500-92583-15

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-13 (Continued) — Lab Sample ID: 500-92583-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.028		0.0010		mg/L	1		6020A	Dissolved
Barium	0.24		0.0025		mg/L	1		6020A	Dissolved
Boron	3.5		0.25		mg/L	5		6020A	Dissolved
Iron	0.69		0.10		mg/L	1		6020A	Dissolved
Manganese	3.8		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0040		0.0020		mg/L	1		6020A	Dissolved
Sulfate	1000		250		mg/L	50		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Total Dissolved Solids	2300		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.37		0.10		mg/L	1		SM 4500 F C	Dissolved

Client Sample ID: MW-14 — Lab Sample ID: 500-92583-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0011		0.0010		mg/L	1		6020A	Dissolved
Barium	0.050		0.0025		mg/L	1		6020A	Dissolved
Boron	2.2		0.25		mg/L	5		6020A	Dissolved
Iron	0.17		0.10		mg/L	1		6020A	Dissolved
Manganese	0.15		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0045		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.023		0.0025		mg/L	1		6020A	Dissolved
Sulfate	850		250		mg/L	50		9038	Dissolved
Chloride	180		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.24		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	2200		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.76		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.24		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: MW-15 — Lab Sample ID: 500-92583-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0017		0.0010		mg/L	1		6020A	Dissolved
Barium	0.10		0.0025		mg/L	1		6020A	Dissolved
Boron	1.1		0.25		mg/L	5		6020A	Dissolved
Iron	0.28		0.10		mg/L	1		6020A	Dissolved
Manganese	0.40		0.0025		mg/L	1		6020A	Dissolved
Nickel	0.0090		0.0020		mg/L	1		6020A	Dissolved
Selenium	0.068		0.0025		mg/L	1		6020A	Dissolved
Sulfate	460		100		mg/L	20		9038	Dissolved
Chloride	240		10		mg/L	5		9251	Dissolved
Nitrogen, Nitrate	0.18		0.10		mg/L	1		Nitrate by calc	Dissolved
Total Dissolved Solids	1400		10		mg/L	1		SM 2540C	Dissolved
Fluoride	0.64		0.10		mg/L	1		SM 4500 F C	Dissolved
Nitrogen, Nitrate Nitrite	0.18		0.10		mg/L	1		SM 4500 NO3 F	Dissolved

Client Sample ID: Trip Blank — Lab Sample ID: 500-92583-18

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-92583-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

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

Sample Summary

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

TestAmerica Job ID: 500-92583-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-92583-1	MW-01	Water	02/23/15 16:48	02/25/15 10:20
500-92583-2	MW-06	Water	02/23/15 15:25	02/25/15 10:20
500-92583-3	MW-07	Water	02/23/15 14:10	02/25/15 10:20
500-92583-4	MW-10	Water	02/23/15 18:15	02/25/15 10:20
500-92583-5	Duplicate	Water	02/23/15 00:00	02/25/15 10:20
500-92583-6	MW-09	Water	02/24/15 15:10	02/25/15 10:20
500-92583-7	MW-11	Water	02/24/15 13:50	02/25/15 10:20
500-92583-8	MW-12	Water	02/24/15 11:10	02/25/15 10:20
500-92583-9	MW-16	Water	02/24/15 16:20	02/25/15 10:20
500-92583-10	MW-02	Water	02/25/15 10:50	02/26/15 11:30
500-92583-11	MW-03	Water	02/25/15 12:15	02/26/15 11:30
500-92583-12	MW-04	Water	02/25/15 13:40	02/26/15 11:30
500-92583-13	MW-05	Water	02/25/15 15:20	02/26/15 11:30
500-92583-14	MW-08	Water	02/26/15 14:00	02/27/15 11:55
500-92583-15	MW-13	Water	02/26/15 10:10	02/27/15 11:55
500-92583-16	MW-14	Water	02/26/15 11:25	02/27/15 11:55
500-92583-17	MW-15	Water	02/26/15 12:45	02/27/15 11:55
500-92583-18	Trip Blank	Water	02/23/15 00:00	02/27/15 11:55

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-01

Date Collected: 02/23/15 16:48
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-1

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			03/02/15 13:54	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 13:54	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 13:54	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*03/02/15 13:54*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/02/15 13:54*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*03/02/15 13:54*	*1*
Dibromofluoromethane	*85*		*75 - 120*		*03/02/15 13:54*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 15:31	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:17	1
Barium	**0.037**		0.0025		mg/L		03/03/15 09:48	03/03/15 15:31	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:31	1
Boron	**0.059**		0.050		mg/L		03/03/15 09:48	03/03/15 15:31	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:31	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:31	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:31	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:17	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 15:31	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:31	1
Manganese	**0.0043**		0.0025		mg/L		03/03/15 09:48	03/03/15 15:31	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:31	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 17:17	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:17	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:31	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:31	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 15:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:08	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:41	1
Sulfate	**43**		10		mg/L			03/04/15 10:11	2
Chloride	**37**		2.0		mg/L			02/27/15 21:16	1
Nitrogen, Nitrate	**4.1**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**470**		10		mg/L			03/02/15 20:27	1
Fluoride	**0.17**		0.10		mg/L			03/02/15 16:31	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:36	1
Nitrogen, Nitrate Nitrite	**4.1**		0.50		mg/L			03/03/15 13:09	5

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-06

Date Collected: 02/23/15 15:25
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-2

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			03/02/15 14:20	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 14:20	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 14:20	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*		*03/02/15 14:20*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/02/15 14:20*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*03/02/15 14:20*	*1*
Dibromofluoromethane	*85*		*75 - 120*		*03/02/15 14:20*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 22:32	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		03/03/15 09:48	03/03/15 15:53	1
Arsenic	**0.0011**		0.0010		mg/L		03/03/15 09:48	03/03/15 17:39	1
Barium	**0.099**		0.0025		mg/L		03/03/15 09:48	03/03/15 15:53	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:53	1
Boron	**0.34**		0.050		mg/L		03/03/15 09:48	03/03/15 15:53	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:53	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:53	1
Cobalt	**0.0013**		0.0010		mg/L		03/03/15 09:48	03/03/15 15:53	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:39	1
Iron	**1.0**		0.10		mg/L		03/03/15 09:48	03/03/15 15:53	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:53	1
Manganese	**0.86**		0.0025		mg/L		03/03/15 09:48	03/03/15 15:53	1
Nickel	**0.0024**		0.0020		mg/L		03/03/15 09:48	03/03/15 15:53	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 17:39	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:39	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:53	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:53	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 15:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:10	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:42	1
Sulfate	**360**		100		mg/L			03/04/15 10:12	20
Chloride	**110**		10		mg/L			02/27/15 21:53	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**1100**		10		mg/L			03/02/15 20:32	1
Fluoride	**0.48**		0.10		mg/L			03/02/15 16:34	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:36	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 10:59	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-07

Date Collected: 02/23/15 14:10
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-3

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			03/02/15 14:47	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 14:47	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 14:47	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 125*		*03/02/15 14:47*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/02/15 14:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*03/02/15 14:47*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/02/15 14:47*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 22:47	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		03/03/15 09:48	03/03/15 15:57	1
Arsenic	**0.18**		0.0010		mg/L		03/03/15 09:48	03/05/15 11:38	1
Barium	**0.61**		0.0025		mg/L		03/03/15 09:48	03/03/15 15:57	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:57	1
Boron	**0.39**		0.050		mg/L		03/03/15 09:48	03/03/15 15:57	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:57	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:57	1
Cobalt	**0.012**		0.0010		mg/L		03/03/15 09:48	03/03/15 15:57	1
Copper	**0.0091**		0.0020		mg/L		03/03/15 09:48	03/03/15 17:42	1
Iron	**23**		0.10		mg/L		03/03/15 09:48	03/03/15 15:57	1
Lead	**0.0066**		0.00050		mg/L		03/03/15 09:48	03/03/15 17:42	1
Manganese	**7.0**		0.013		mg/L		03/03/15 09:48	03/04/15 13:59	5
Nickel	**0.020**		0.0020		mg/L		03/03/15 09:48	03/03/15 15:57	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/05/15 11:38	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:42	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:57	1
Vanadium	**0.0084**		0.0050		mg/L		03/03/15 09:48	03/03/15 15:57	1
Zinc	**0.027**		0.020		mg/L		03/03/15 09:48	03/03/15 15:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:12	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:42	1
Sulfate	**50**		10		mg/L			03/04/15 10:13	2
Chloride	**130**		10		mg/L			02/27/15 21:54	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**1100**		10		mg/L			03/02/15 20:35	1
Fluoride	**0.42**		0.10		mg/L			03/02/15 16:38	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:37	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 11:01	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-10
Date Collected: 02/23/15 18:15
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-4
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			03/02/15 15:13	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 15:13	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 15:13	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*		*03/02/15 15:13*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/02/15 15:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*03/02/15 15:13*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/02/15 15:13*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:01	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:45	1
Barium	**0.17**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:01	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:01	1
Boron	**0.83**		0.050		mg/L		03/03/15 09:48	03/03/15 16:01	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:01	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:01	1
Cobalt	**0.0019**		0.0010		mg/L		03/03/15 09:48	03/03/15 16:01	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:45	1
Iron	**0.22**		0.10		mg/L		03/03/15 09:48	03/03/15 16:01	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:01	1
Manganese	**1.3**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:01	1
Nickel	**0.0045**		0.0020		mg/L		03/03/15 09:48	03/03/15 16:01	1
Selenium	**0.0028**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:45	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:45	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:01	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:01	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:01	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:14	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:42	1
Sulfate	**46**		10		mg/L			03/04/15 10:16	2
Chloride	**22**		2.0		mg/L			02/27/15 21:21	1
Nitrogen, Nitrate	**0.90**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**530**		10		mg/L			03/02/15 20:37	1
Fluoride	**0.17**		0.10		mg/L			03/02/15 16:41	1
Nitrogen, Nitrite	**0.038**		0.020		mg/L			02/25/15 11:37	1
Nitrogen, Nitrate Nitrite	**0.94**		0.10		mg/L			03/03/15 11:03	1

Client Sample ID: Duplicate

Lab Sample ID: 500-92583-5

Date Collected: 02/23/15 00:00

Matrix: Water

Date Received: 02/25/15 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/02/15 15:39	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 15:39	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 15:39	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 125*		*03/02/15 15:39*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 15:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*03/02/15 15:39*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/02/15 15:39*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 23:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:14	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:47	1
Barium	**0.16**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:14	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:14	1
Boron	**0.81**		0.050		mg/L		03/03/15 09:48	03/03/15 16:14	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:14	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:14	1
Cobalt	**0.0018**		0.0010		mg/L		03/03/15 09:48	03/03/15 16:14	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:47	1
Iron	**0.12**		0.10		mg/L		03/03/15 09:48	03/03/15 16:14	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:14	1
Manganese	**1.2**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:14	1
Nickel	**0.0039**		0.0020		mg/L		03/03/15 09:48	03/03/15 16:14	1
Selenium	**0.0031**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:47	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:47	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:14	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:14	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:16	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:43	1
Sulfate	**53**		10		mg/L			03/04/15 10:17	2
Chloride	**33**		2.0		mg/L			02/27/15 21:22	1
Nitrogen, Nitrate	**0.96**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**530**		10		mg/L			03/02/15 20:40	1
Fluoride	**0.18**		0.10		mg/L			03/02/15 16:45	1
Nitrogen, Nitrite	**0.040**		0.020		mg/L			02/25/15 11:37	1
Nitrogen, Nitrate Nitrite	**1.0**		0.10		mg/L			03/03/15 11:05	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-09
Date Collected: 02/24/15 15:10
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-6
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			03/02/15 16:06	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 16:06	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 16:06	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 16:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 125*		*03/02/15 16:06*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 16:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*75 - 120*		*03/02/15 16:06*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*03/02/15 16:06*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:18	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:50	1
Barium	**0.043**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:18	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:18	1
Boron	**3.0**		0.050		mg/L		03/03/15 09:48	03/03/15 16:18	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:18	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:18	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:18	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:50	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:18	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:18	1
Manganese	**0.024**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:18	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:18	1
Selenium	**0.0091**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:50	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:50	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:18	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:18	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:18	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:18	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:43	1
Sulfate	**130**		25		mg/L			03/05/15 08:28	5
Chloride	**34**		2.0		mg/L			02/27/15 21:23	1
Nitrogen, Nitrate	**13**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**570**		10		mg/L			03/02/15 20:42	1
Fluoride	**0.18**		0.10		mg/L			03/02/15 16:58	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:38	1
Nitrogen, Nitrate Nitrite	**13**		1.0		mg/L			03/03/15 13:10	10

Client Sample ID: MW-11

Lab Sample ID: 500-92583-7

Date Collected: 02/24/15 13:50

Matrix: Water

Date Received: 02/25/15 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/02/15 16:32	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 16:32	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 16:32	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*03/02/15 16:32*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 16:32*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*03/02/15 16:32*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/02/15 16:32*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:23	1
Arsenic	**0.022**		0.0010		mg/L		03/03/15 09:48	03/03/15 17:53	1
Barium	**0.16**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:23	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:23	1
Boron	**1.7**		0.050		mg/L		03/03/15 09:48	03/03/15 16:23	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:23	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:23	1
Cobalt	**0.0023**		0.0010		mg/L		03/03/15 09:48	03/03/15 16:23	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:53	1
Iron	**2.0**		0.10		mg/L		03/03/15 09:48	03/03/15 16:23	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:23	1
Manganese	**5.5**		0.025		mg/L		03/03/15 09:48	03/05/15 12:08	10
Nickel	**0.0042**		0.0020		mg/L		03/03/15 09:48	03/03/15 16:23	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 17:53	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:53	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:23	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:23	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:23	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:24	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:44	1
Sulfate	**120**		25		mg/L			03/04/15 10:18	5
Chloride	**66**		2.0		mg/L			02/27/15 21:24	1
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**700**		10		mg/L			03/02/15 20:45	1
Fluoride	**0.66**		0.10		mg/L			03/02/15 17:01	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:39	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 11:10	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-12

Date Collected: 02/24/15 11:10
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-8

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			03/02/15 16:59	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 16:59	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 16:59	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*		*03/02/15 16:59*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 16:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*		*03/02/15 16:59*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*03/02/15 16:59*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 00:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:27	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/05/15 11:46	1
Barium	**0.070**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:27	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:27	1
Boron	**0.58**		0.050		mg/L		03/03/15 09:48	03/03/15 16:27	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:27	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:27	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:27	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:55	1
Iron	**1.7**		0.10		mg/L		03/03/15 09:48	03/03/15 16:27	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:27	1
Manganese	**0.17**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:27	1
Nickel	**0.0031**		0.0020		mg/L		03/03/15 09:48	03/03/15 16:27	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/05/15 11:46	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:55	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:27	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:27	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:27	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:32	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:44	1
Sulfate	**450**		100		mg/L			03/04/15 10:19	20
Chloride	**210**		10		mg/L			02/27/15 21:54	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**1300**		10		mg/L			03/02/15 20:47	1
Fluoride	**0.58**		0.10		mg/L			03/02/15 17:04	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:39	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 12:18	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-16

Date Collected: 02/24/15 16:20
Date Received: 02/25/15 10:20

Lab Sample ID: 500-92583-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/02/15 17:25	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 17:25	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 17:25	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*03/02/15 17:25*	*1*
Toluene-d8 (Surr)	*99*		*75 - 120*		*03/02/15 17:25*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*03/02/15 17:25*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/02/15 17:25*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 00:51	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		03/03/15 09:48	03/03/15 16:31	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 18:04	1
Barium	**0.038**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:31	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:31	1
Boron	**0.17**		0.050		mg/L		03/03/15 09:48	03/03/15 16:31	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:31	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:31	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:31	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:04	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:31	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:31	1
Manganese	**0.0025**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:31	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:31	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:04	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:04	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:31	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:31	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:31	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:34	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:45	1
Sulfate	**27**		10		mg/L			03/04/15 10:20	2
Chloride	**24**		2.0		mg/L			02/27/15 21:25	1
Nitrogen, Nitrate	**28**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**490**		10		mg/L			03/02/15 20:50	1
Fluoride	**0.10**		0.10		mg/L			03/02/15 17:07	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:39	1
Nitrogen, Nitrate Nitrite	**28**		2.0		mg/L			03/03/15 12:20	20

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-02
Date Collected: 02/25/15 10:50
Date Received: 02/26/15 11:30

Lab Sample ID: 500-92583-10
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			03/02/15 17:51	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 17:51	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 17:51	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 125*		*03/02/15 17:51*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 17:51*	*1*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*		*03/02/15 17:51*	*1*
Dibromofluoromethane	*86*		*75 - 120*		*03/02/15 17:51*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:35	1
Arsenic	**0.0015**		0.0010		mg/L		03/03/15 09:48	03/03/15 18:06	1
Barium	**0.051**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:35	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:35	1
Boron	**0.082**		0.050		mg/L		03/03/15 09:48	03/03/15 16:35	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:35	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:35	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:35	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:06	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:35	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:35	1
Manganese	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 16:35	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:35	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:06	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:06	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:35	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:35	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:35	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:36	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:45	1
Sulfate	**57**		10		mg/L			03/04/15 10:21	2
Chloride	**54**		2.0		mg/L			02/27/15 21:25	1
Nitrogen, Nitrate	**5.9**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**510**		10		mg/L			03/02/15 20:52	1
Fluoride	**0.17**		0.10		mg/L			03/02/15 17:11	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/26/15 13:01	1
Nitrogen, Nitrate Nitrite	**5.9**		0.50		mg/L			03/03/15 12:23	5

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-03
Date Collected: 02/25/15 12:15
Date Received: 02/26/15 11:30

Lab Sample ID: 500-92583-11
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			03/02/15 18:18	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 18:18	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 18:18	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 18:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 125*		*03/02/15 18:18*	*1*
Toluene-d8 (Surr)	*98*		*75 - 120*		*03/02/15 18:18*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*03/02/15 18:18*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*03/02/15 18:18*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:40	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 18:09	1
Barium	**0.048**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:40	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:40	1
Boron	**0.32**		0.050		mg/L		03/03/15 09:48	03/03/15 16:40	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:40	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:40	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:40	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:09	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:40	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:40	1
Manganese	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 16:40	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:40	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:09	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:09	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:40	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:40	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:38	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:45	1
Sulfate	**46**		10		mg/L			03/04/15 10:22	2
Chloride	**47**		2.0		mg/L			02/27/15 21:26	1
Nitrogen, Nitrate	**2.0**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**400**		10		mg/L			03/02/15 20:55	1
Fluoride	**0.23**		0.10		mg/L			03/02/15 17:15	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/26/15 13:02	1
Nitrogen, Nitrate Nitrite	**2.0**		0.10		mg/L			03/03/15 12:25	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-04

Date Collected: 02/25/15 13:40
Date Received: 02/26/15 11:30

Lab Sample ID: 500-92583-12

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			03/03/15 15:10	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 15:10	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 15:10	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*03/03/15 15:10*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/03/15 15:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/03/15 15:10*	*1*
Dibromofluoromethane	*88*		*75 - 120*		*03/03/15 15:10*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 01:38	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		03/03/15 09:48	03/03/15 16:44	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 18:12	1
Barium	**0.025**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:44	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:44	1
Boron	**0.94**		0.050		mg/L		03/03/15 09:48	03/03/15 16:44	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:44	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:44	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:44	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:12	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:44	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:44	1
Manganese	**0.018**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:44	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:44	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:12	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:12	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:44	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:44	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:44	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:40	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:45	1
Sulfate	**100**		25		mg/L			03/04/15 10:23	5
Chloride	**74**		10		mg/L			02/27/15 21:55	5
Nitrogen, Nitrate	**0.30**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**580**		10		mg/L			03/02/15 20:57	1
Fluoride	**0.32**		0.10		mg/L			03/02/15 17:18	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/26/15 13:02	1
Nitrogen, Nitrate Nitrite	**0.30**		0.10		mg/L			03/03/15 12:26	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-05

Date Collected: 02/25/15 15:20
Date Received: 02/26/15 11:30

Lab Sample ID: 500-92583-13

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			03/03/15 15:35	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 15:35	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 15:35	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*		*03/03/15 15:35*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/03/15 15:35*	*1*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*		*03/03/15 15:35*	*1*
Dibromofluoromethane	*86*		*75 - 120*		*03/03/15 15:35*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:48	1
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 18:15	1
Barium	**0.041**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:48	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:48	1
Boron	**1.1**		0.050		mg/L		03/03/15 09:48	03/03/15 16:48	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:48	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:48	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:48	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:15	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 16:48	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:48	1
Manganese	**0.058**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:48	1
Nickel	**0.0025**		0.0020		mg/L		03/03/15 09:48	03/03/15 16:48	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:15	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:15	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:48	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:48	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:42	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:46	1
Sulfate	**110**		20		mg/L			03/04/15 10:24	4
Chloride	**79**		10		mg/L			02/27/15 21:57	5
Nitrogen, Nitrate	**0.74**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**570**		10		mg/L			03/02/15 21:05	1
Fluoride	**0.38**		0.10		mg/L			03/02/15 17:21	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/26/15 13:02	1
Nitrogen, Nitrate Nitrite	**0.74**		0.10		mg/L			03/03/15 12:27	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-08
Date Collected: 02/26/15 14:00
Date Received: 02/27/15 11:55

Lab Sample ID: 500-92583-14
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			03/03/15 16:00	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 16:00	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 16:00	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*03/03/15 16:00*	*1*
Toluene-d8 (Surr)	*87*		*75 - 120*		*03/03/15 16:00*	*1*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*		*03/03/15 16:00*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/03/15 16:00*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 16:52	1
Arsenic	**0.0026**		0.0010		mg/L		03/03/15 09:48	03/03/15 18:17	1
Barium	**0.12**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:52	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:52	1
Boron	**0.81**		0.050		mg/L		03/03/15 09:48	03/03/15 16:52	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:52	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:52	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 16:52	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:17	1
Iron	**0.17**		0.10		mg/L		03/03/15 09:48	03/03/15 16:52	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 16:52	1
Manganese	**0.11**		0.0025		mg/L		03/03/15 09:48	03/03/15 16:52	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:52	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 18:17	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:17	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 16:52	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 16:52	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 16:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:48	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:46	1
Sulfate	**160**		50		mg/L			03/05/15 08:29	10
Chloride	**260**		10		mg/L			02/27/15 21:58	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**1100**		10		mg/L			03/02/15 21:12	1
Fluoride	**0.63**		0.10		mg/L			03/02/15 17:24	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/27/15 14:51	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 12:27	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-13

Date Collected: 02/26/15 10:10
Date Received: 02/27/15 11:55

Lab Sample ID: 500-92583-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/03/15 16:25	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 16:25	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 16:25	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 125*		*03/03/15 16:25*	*1*
Toluene-d8 (Surr)	*89*		*75 - 120*		*03/03/15 16:25*	*1*
4-Bromofluorobenzene (Surr)	*93*		*75 - 120*		*03/03/15 16:25*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*03/03/15 16:25*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 02:24	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		03/03/15 09:48	03/03/15 17:05	1
Arsenic	**0.028**		0.0010		mg/L		03/03/15 09:48	03/05/15 11:50	1
Barium	**0.24**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:05	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:05	1
Boron	**3.5**		0.25		mg/L		03/03/15 09:48	03/04/15 09:58	5
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:05	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:05	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:05	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:20	1
Iron	**0.69**		0.10		mg/L		03/03/15 09:48	03/03/15 17:05	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:05	1
Manganese	**3.8**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:05	1
Nickel	**0.0040**		0.0020		mg/L		03/03/15 09:48	03/03/15 17:05	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/05/15 11:50	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:20	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:05	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:05	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 17:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:50	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:46	1
Sulfate	**1000**		250		mg/L			03/05/15 08:30	50
Chloride	**180**		10		mg/L			02/27/15 21:58	5
Nitrogen, Nitrate	<0.10		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**2300**		10		mg/L			03/02/15 21:17	1
Fluoride	**0.37**		0.10		mg/L			03/02/15 17:27	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/27/15 14:52	1
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 12:28	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-14

Date Collected: 02/26/15 11:25
Date Received: 02/27/15 11:55

Lab Sample ID: 500-92583-16

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			03/03/15 16:50	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 16:50	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 16:50	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 125*		*03/03/15 16:50*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/03/15 16:50*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/03/15 16:50*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*03/03/15 16:50*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 03:10	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		03/03/15 09:48	03/03/15 17:10	1
Arsenic	**0.0011**		0.0010		mg/L		03/03/15 09:48	03/03/15 18:23	1
Barium	**0.050**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:10	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:10	1
Boron	**2.2**		0.25		mg/L		03/03/15 09:48	03/04/15 09:59	5
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:10	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:10	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:10	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:23	1
Iron	**0.17**		0.10		mg/L		03/03/15 09:48	03/03/15 17:10	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:10	1
Manganese	**0.15**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:10	1
Nickel	**0.0045**		0.0020		mg/L		03/03/15 09:48	03/03/15 17:10	1
Selenium	**0.023**		0.0025		mg/L		03/03/15 09:48	03/03/15 18:23	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:23	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:10	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:10	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 17:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:52	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:47	1
Sulfate	**850**		250		mg/L			03/05/15 08:31	50
Chloride	**180**		10		mg/L			02/27/15 22:00	5
Nitrogen, Nitrate	**0.24**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**2200**		10		mg/L			03/02/15 21:20	1
Fluoride	**0.76**		0.10		mg/L			03/02/15 17:40	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/27/15 14:52	1
Nitrogen, Nitrate Nitrite	**0.24**		0.10		mg/L			03/03/15 12:31	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-15

Date Collected: 02/26/15 12:45
Date Received: 02/27/15 11:55

Lab Sample ID: 500-92583-17

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			03/03/15 17:16	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 17:16	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 17:16	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*		*03/03/15 17:16*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/03/15 17:16*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/03/15 17:16*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*03/03/15 17:16*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/05/15 03:26	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		03/03/15 09:48	03/03/15 17:14	1
Arsenic	**0.0017**		0.0010		mg/L		03/03/15 09:48	03/05/15 11:53	1
Barium	**0.10**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:14	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:14	1
Boron	**1.1**		0.25		mg/L		03/03/15 09:48	03/04/15 10:00	5
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:14	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:14	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:14	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 18:25	1
Iron	**0.28**		0.10		mg/L		03/03/15 09:48	03/03/15 17:14	1
Lead	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:14	1
Manganese	**0.40**		0.0025		mg/L		03/03/15 09:48	03/03/15 17:14	1
Nickel	**0.0090**		0.0020		mg/L		03/03/15 09:48	03/03/15 17:14	1
Selenium	**0.068**		0.0025		mg/L		03/03/15 09:48	03/05/15 11:53	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 18:25	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:14	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 17:14	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 17:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:53	1

General Chemistry - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:48	1
Sulfate	**460**		100		mg/L			03/05/15 08:32	20
Chloride	**240**		10		mg/L			02/27/15 22:00	5
Nitrogen, Nitrate	**0.18**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**1400**		10		mg/L			03/02/15 21:22	1
Fluoride	**0.64**		0.10		mg/L			03/02/15 17:43	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/27/15 14:52	1
Nitrogen, Nitrate Nitrite	**0.18**		0.10		mg/L			03/03/15 12:32	1

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: Trip Blank
Date Collected: 02/23/15 00:00
Date Received: 02/27/15 11:55

Lab Sample ID: 500-92583-18
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			03/04/15 12:45	1
Toluene	<0.00050		0.00050		mg/L			03/04/15 12:45	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/04/15 12:45	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/04/15 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*		*03/04/15 12:45*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/04/15 12:45*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/04/15 12:45*	*1*
Dibromofluoromethane	*84*		*75 - 120*		*03/04/15 12:45*	*1*

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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)

GC/MS VOA

Analysis Batch: 277660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Total/NA	Water	8260B	
500-92583-1 MS	MW-01	Total/NA	Water	8260B	
500-92583-1 MSD	MW-01	Total/NA	Water	8260B	
500-92583-2	MW-06	Total/NA	Water	8260B	
500-92583-3	MW-07	Total/NA	Water	8260B	
500-92583-4	MW-10	Total/NA	Water	8260B	
500-92583-5	Duplicate	Total/NA	Water	8260B	
500-92583-6	MW-09	Total/NA	Water	8260B	
500-92583-7	MW-11	Total/NA	Water	8260B	
500-92583-8	MW-12	Total/NA	Water	8260B	
500-92583-9	MW-16	Total/NA	Water	8260B	
500-92583-10	MW-02	Total/NA	Water	8260B	
500-92583-11	MW-03	Total/NA	Water	8260B	
LCS 500-277660/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-277660/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 277844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-12	MW-04	Total/NA	Water	8260B	
500-92583-13	MW-05	Total/NA	Water	8260B	
500-92583-14	MW-08	Total/NA	Water	8260B	
500-92583-15	MW-13	Total/NA	Water	8260B	
500-92583-16	MW-14	Total/NA	Water	8260B	
500-92583-17	MW-15	Total/NA	Water	8260B	
LCS 500-277844/7	Lab Control Sample	Total/NA	Water	8260B	
MB 500-277844/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 277993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-18	Trip Blank	Total/NA	Water	8260B	
LCS 500-277993/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-277993/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 67436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Total/NA	Water	314.0	
500-92583-2	MW-06	Total/NA	Water	314.0	
500-92583-3	MW-07	Total/NA	Water	314.0	
500-92583-4	MW-10	Total/NA	Water	314.0	
500-92583-5	Duplicate	Total/NA	Water	314.0	
500-92583-6	MW-09	Total/NA	Water	314.0	
500-92583-7	MW-11	Total/NA	Water	314.0	
500-92583-8	MW-12	Total/NA	Water	314.0	
500-92583-9	MW-16	Total/NA	Water	314.0	
500-92583-10	MW-02	Total/NA	Water	314.0	
500-92583-11	MW-03	Total/NA	Water	314.0	
500-92583-12	MW-04	Total/NA	Water	314.0	
500-92583-13	MW-05	Total/NA	Water	314.0	

HPLC/IC (Continued)

Analysis Batch: 67436 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-14	MW-08	Total/NA	Water	314.0	
500-92583-15	MW-13	Total/NA	Water	314.0	
500-92583-16	MW-14	Total/NA	Water	314.0	
500-92583-17	MW-15	Total/NA	Water	314.0	
LCS 320-67436/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-67436/6	Method Blank	Total/NA	Water	314.0	
MRL 320-67436/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 277866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	Soluble Metals	
500-92583-1 DU	MW-01	Dissolved	Water	Soluble Metals	
500-92583-1 MS	MW-01	Dissolved	Water	Soluble Metals	
500-92583-1 MSD	MW-01	Dissolved	Water	Soluble Metals	
500-92583-2	MW-06	Dissolved	Water	Soluble Metals	
500-92583-3	MW-07	Dissolved	Water	Soluble Metals	
500-92583-4	MW-10	Dissolved	Water	Soluble Metals	
500-92583-5	Duplicate	Dissolved	Water	Soluble Metals	
500-92583-6	MW-09	Dissolved	Water	Soluble Metals	
500-92583-7	MW-11	Dissolved	Water	Soluble Metals	
500-92583-8	MW-12	Dissolved	Water	Soluble Metals	
500-92583-9	MW-16	Dissolved	Water	Soluble Metals	
500-92583-10	MW-02	Dissolved	Water	Soluble Metals	
500-92583-11	MW-03	Dissolved	Water	Soluble Metals	
500-92583-12	MW-04	Dissolved	Water	Soluble Metals	
500-92583-13	MW-05	Dissolved	Water	Soluble Metals	
500-92583-14	MW-08	Dissolved	Water	Soluble Metals	
500-92583-15	MW-13	Dissolved	Water	Soluble Metals	
500-92583-16	MW-14	Dissolved	Water	Soluble Metals	
500-92583-17	MW-15	Dissolved	Water	Soluble Metals	
LCS 500-277866/2-A	Lab Control Sample	Soluble	Water	Soluble Metals	
MB 500-277866/1-A	Method Blank	Soluble	Water	Soluble Metals	

Analysis Batch: 277996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	6020A	277866
500-92583-1 DU	MW-01	Dissolved	Water	6020A	277866
500-92583-1 MS	MW-01	Dissolved	Water	6020A	277866
500-92583-1 MSD	MW-01	Dissolved	Water	6020A	277866
500-92583-2	MW-06	Dissolved	Water	6020A	277866
500-92583-3	MW-07	Dissolved	Water	6020A	277866
500-92583-4	MW-10	Dissolved	Water	6020A	277866
500-92583-5	Duplicate	Dissolved	Water	6020A	277866
500-92583-6	MW-09	Dissolved	Water	6020A	277866
500-92583-7	MW-11	Dissolved	Water	6020A	277866
500-92583-8	MW-12	Dissolved	Water	6020A	277866
500-92583-9	MW-16	Dissolved	Water	6020A	277866
500-92583-10	MW-02	Dissolved	Water	6020A	277866

Metals (Continued)

Analysis Batch: 277996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-11	MW-03	Dissolved	Water	6020A	277866
500-92583-12	MW-04	Dissolved	Water	6020A	277866
500-92583-13	MW-05	Dissolved	Water	6020A	277866
500-92583-14	MW-08	Dissolved	Water	6020A	277866
500-92583-15	MW-13	Dissolved	Water	6020A	277866
500-92583-16	MW-14	Dissolved	Water	6020A	277866
500-92583-17	MW-15	Dissolved	Water	6020A	277866
LCS 500-277866/2-A	Lab Control Sample	Soluble	Water	6020A	277866
MB 500-277866/1-A	Method Blank	Soluble	Water	6020A	277866

Analysis Batch: 278004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	6020A	277866
500-92583-1 DU	MW-01	Dissolved	Water	6020A	277866
500-92583-1 MS	MW-01	Dissolved	Water	6020A	277866
500-92583-1 MSD	MW-01	Dissolved	Water	6020A	277866
500-92583-2	MW-06	Dissolved	Water	6020A	277866
500-92583-3	MW-07	Dissolved	Water	6020A	277866
500-92583-4	MW-10	Dissolved	Water	6020A	277866
500-92583-5	Duplicate	Dissolved	Water	6020A	277866
500-92583-6	MW-09	Dissolved	Water	6020A	277866
500-92583-7	MW-11	Dissolved	Water	6020A	277866
500-92583-8	MW-12	Dissolved	Water	6020A	277866
500-92583-9	MW-16	Dissolved	Water	6020A	277866
500-92583-10	MW-02	Dissolved	Water	6020A	277866
500-92583-11	MW-03	Dissolved	Water	6020A	277866
500-92583-12	MW-04	Dissolved	Water	6020A	277866
500-92583-13	MW-05	Dissolved	Water	6020A	277866
500-92583-14	MW-08	Dissolved	Water	6020A	277866
500-92583-15	MW-13	Dissolved	Water	6020A	277866
500-92583-16	MW-14	Dissolved	Water	6020A	277866
500-92583-17	MW-15	Dissolved	Water	6020A	277866
LCS 500-277866/2-A	Lab Control Sample	Soluble	Water	6020A	277866
MB 500-277866/1-A	Method Blank	Soluble	Water	6020A	277866

Analysis Batch: 278058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-15	MW-13	Dissolved	Water	6020A	277866
500-92583-16	MW-14	Dissolved	Water	6020A	277866
500-92583-17	MW-15	Dissolved	Water	6020A	277866

Analysis Batch: 278138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-3	MW-07	Dissolved	Water	6020A	277866

Analysis Batch: 278322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-3	MW-07	Dissolved	Water	6020A	277866
500-92583-7	MW-11	Dissolved	Water	6020A	277866
500-92583-8	MW-12	Dissolved	Water	6020A	277866
500-92583-15	MW-13	Dissolved	Water	6020A	277866

Metals (Continued)

Analysis Batch: 278322 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-17	MW-15	Dissolved	Water	6020A	277866

Prep Batch: 278461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	7470A	
500-92583-2	MW-06	Dissolved	Water	7470A	
500-92583-3	MW-07	Dissolved	Water	7470A	
500-92583-4	MW-10	Dissolved	Water	7470A	
500-92583-5	Duplicate	Dissolved	Water	7470A	
500-92583-6	MW-09	Dissolved	Water	7470A	
500-92583-7	MW-11	Dissolved	Water	7470A	
500-92583-7 DU	MW-11	Dissolved	Water	7470A	
500-92583-7 MS	MW-11	Dissolved	Water	7470A	
500-92583-7 MSD	MW-11	Dissolved	Water	7470A	
500-92583-8	MW-12	Dissolved	Water	7470A	
500-92583-9	MW-16	Dissolved	Water	7470A	
500-92583-10	MW-02	Dissolved	Water	7470A	
500-92583-11	MW-03	Dissolved	Water	7470A	
500-92583-12	MW-04	Dissolved	Water	7470A	
500-92583-13	MW-05	Dissolved	Water	7470A	
500-92583-14	MW-08	Dissolved	Water	7470A	
500-92583-15	MW-13	Dissolved	Water	7470A	
500-92583-16	MW-14	Dissolved	Water	7470A	
500-92583-17	MW-15	Dissolved	Water	7470A	
LCS 500-278461/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-278461/12-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 278644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	7470A	278461
500-92583-2	MW-06	Dissolved	Water	7470A	278461
500-92583-3	MW-07	Dissolved	Water	7470A	278461
500-92583-4	MW-10	Dissolved	Water	7470A	278461
500-92583-5	Duplicate	Dissolved	Water	7470A	278461
500-92583-6	MW-09	Dissolved	Water	7470A	278461
500-92583-7	MW-11	Dissolved	Water	7470A	278461
500-92583-7 DU	MW-11	Dissolved	Water	7470A	278461
500-92583-7 MS	MW-11	Dissolved	Water	7470A	278461
500-92583-7 MSD	MW-11	Dissolved	Water	7470A	278461
500-92583-8	MW-12	Dissolved	Water	7470A	278461
500-92583-9	MW-16	Dissolved	Water	7470A	278461
500-92583-10	MW-02	Dissolved	Water	7470A	278461
500-92583-11	MW-03	Dissolved	Water	7470A	278461
500-92583-12	MW-04	Dissolved	Water	7470A	278461
500-92583-13	MW-05	Dissolved	Water	7470A	278461
500-92583-14	MW-08	Dissolved	Water	7470A	278461
500-92583-15	MW-13	Dissolved	Water	7470A	278461
500-92583-16	MW-14	Dissolved	Water	7470A	278461
500-92583-17	MW-15	Dissolved	Water	7470A	278461
LCS 500-278461/13-A	Lab Control Sample	Total/NA	Water	7470A	278461
MB 500-278461/12-A	Method Blank	Total/NA	Water	7470A	278461

General Chemistry

Analysis Batch: 277169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	SM 4500 NO2 B	
500-92583-2	MW-06	Dissolved	Water	SM 4500 NO2 B	
500-92583-3	MW-07	Dissolved	Water	SM 4500 NO2 B	
500-92583-4	MW-10	Dissolved	Water	SM 4500 NO2 B	
500-92583-5	Duplicate	Dissolved	Water	SM 4500 NO2 B	
500-92583-6	MW-09	Dissolved	Water	SM 4500 NO2 B	
500-92583-7	MW-11	Dissolved	Water	SM 4500 NO2 B	
500-92583-8	MW-12	Dissolved	Water	SM 4500 NO2 B	
500-92583-9	MW-16	Dissolved	Water	SM 4500 NO2 B	
LCS 500-277169/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-277169/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 277346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-10	MW-02	Dissolved	Water	SM 4500 NO2 B	
500-92583-11	MW-03	Dissolved	Water	SM 4500 NO2 B	
500-92583-12	MW-04	Dissolved	Water	SM 4500 NO2 B	
500-92583-13	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-92583-13 MS	MW-05	Dissolved	Water	SM 4500 NO2 B	
500-92583-13 MSD	MW-05	Dissolved	Water	SM 4500 NO2 B	
LCS 500-277346/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-277346/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 277546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-14	MW-08	Dissolved	Water	SM 4500 NO2 B	
500-92583-15	MW-13	Dissolved	Water	SM 4500 NO2 B	
500-92583-16	MW-14	Dissolved	Water	SM 4500 NO2 B	
500-92583-17	MW-15	Dissolved	Water	SM 4500 NO2 B	
500-92583-17 MS	MW-15	Dissolved	Water	SM 4500 NO2 B	
500-92583-17 MSD	MW-15	Dissolved	Water	SM 4500 NO2 B	
LCS 500-277546/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-277546/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 277574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	9251	
500-92583-2	MW-06	Dissolved	Water	9251	
500-92583-3	MW-07	Dissolved	Water	9251	
500-92583-4	MW-10	Dissolved	Water	9251	
500-92583-5	Duplicate	Dissolved	Water	9251	
500-92583-6	MW-09	Dissolved	Water	9251	
500-92583-7	MW-11	Dissolved	Water	9251	
500-92583-8	MW-12	Dissolved	Water	9251	
500-92583-9	MW-16	Dissolved	Water	9251	
500-92583-10	MW-02	Dissolved	Water	9251	
500-92583-11	MW-03	Dissolved	Water	9251	
500-92583-12	MW-04	Dissolved	Water	9251	
500-92583-13	MW-05	Dissolved	Water	9251	
500-92583-14	MW-08	Dissolved	Water	9251	
500-92583-15	MW-13	Dissolved	Water	9251	

General Chemistry (Continued)

Analysis Batch: 277574 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-15 MS	MW-13	Dissolved	Water	9251	
500-92583-15 MSD	MW-13	Dissolved	Water	9251	
500-92583-16	MW-14	Dissolved	Water	9251	
500-92583-17	MW-15	Dissolved	Water	9251	
LCS 500-277574/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-277574/4	Method Blank	Total/NA	Water	9251	

Prep Batch: 277746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	9010B	
500-92583-1 MS	MW-01	Dissolved	Water	9010B	
500-92583-1 MSD	MW-01	Dissolved	Water	9010B	
500-92583-2	MW-06	Dissolved	Water	9010B	
500-92583-3	MW-07	Dissolved	Water	9010B	
500-92583-4	MW-10	Dissolved	Water	9010B	
500-92583-5	Duplicate	Dissolved	Water	9010B	
500-92583-6	MW-09	Dissolved	Water	9010B	
500-92583-7	MW-11	Dissolved	Water	9010B	
500-92583-8	MW-12	Dissolved	Water	9010B	
500-92583-9	MW-16	Dissolved	Water	9010B	
500-92583-10	MW-02	Dissolved	Water	9010B	
500-92583-11	MW-03	Dissolved	Water	9010B	
500-92583-12	MW-04	Dissolved	Water	9010B	
500-92583-13	MW-05	Dissolved	Water	9010B	
500-92583-14	MW-08	Dissolved	Water	9010B	
500-92583-15	MW-13	Dissolved	Water	9010B	
500-92583-16	MW-14	Dissolved	Water	9010B	
500-92583-17	MW-15	Dissolved	Water	9010B	
LCS 500-277746/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-277746/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 277762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	Nitrate by calc	
500-92583-2	MW-06	Dissolved	Water	Nitrate by calc	
500-92583-3	MW-07	Dissolved	Water	Nitrate by calc	
500-92583-4	MW-10	Dissolved	Water	Nitrate by calc	
500-92583-5	Duplicate	Dissolved	Water	Nitrate by calc	
500-92583-6	MW-09	Dissolved	Water	Nitrate by calc	
500-92583-7	MW-11	Dissolved	Water	Nitrate by calc	
500-92583-8	MW-12	Dissolved	Water	Nitrate by calc	
500-92583-9	MW-16	Dissolved	Water	Nitrate by calc	
500-92583-10	MW-02	Dissolved	Water	Nitrate by calc	
500-92583-11	MW-03	Dissolved	Water	Nitrate by calc	
500-92583-12	MW-04	Dissolved	Water	Nitrate by calc	
500-92583-13	MW-05	Dissolved	Water	Nitrate by calc	
500-92583-14	MW-08	Dissolved	Water	Nitrate by calc	
500-92583-15	MW-13	Dissolved	Water	Nitrate by calc	
500-92583-16	MW-14	Dissolved	Water	Nitrate by calc	
500-92583-17	MW-15	Dissolved	Water	Nitrate by calc	

General Chemistry (Continued)

Analysis Batch: 277806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	9014	277746
500-92583-1 MS	MW-01	Dissolved	Water	9014	277746
500-92583-1 MSD	MW-01	Dissolved	Water	9014	277746
500-92583-2	MW-06	Dissolved	Water	9014	277746
500-92583-3	MW-07	Dissolved	Water	9014	277746
500-92583-4	MW-10	Dissolved	Water	9014	277746
500-92583-5	Duplicate	Dissolved	Water	9014	277746
500-92583-6	MW-09	Dissolved	Water	9014	277746
500-92583-7	MW-11	Dissolved	Water	9014	277746
500-92583-8	MW-12	Dissolved	Water	9014	277746
500-92583-9	MW-16	Dissolved	Water	9014	277746
500-92583-10	MW-02	Dissolved	Water	9014	277746
500-92583-11	MW-03	Dissolved	Water	9014	277746
500-92583-12	MW-04	Dissolved	Water	9014	277746
500-92583-13	MW-05	Dissolved	Water	9014	277746
500-92583-14	MW-08	Dissolved	Water	9014	277746
500-92583-15	MW-13	Dissolved	Water	9014	277746
500-92583-16	MW-14	Dissolved	Water	9014	277746
500-92583-17	MW-15	Dissolved	Water	9014	277746
LCS 500-277746/2-A	Lab Control Sample	Total/NA	Water	9014	277746
MB 500-277746/1-A	Method Blank	Total/NA	Water	9014	277746

Analysis Batch: 277807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	SM 2540C	
500-92583-1 DU	MW-01	Dissolved	Water	SM 2540C	
500-92583-2	MW-06	Dissolved	Water	SM 2540C	
500-92583-3	MW-07	Dissolved	Water	SM 2540C	
500-92583-4	MW-10	Dissolved	Water	SM 2540C	
500-92583-5	Duplicate	Dissolved	Water	SM 2540C	
500-92583-6	MW-09	Dissolved	Water	SM 2540C	
500-92583-7	MW-11	Dissolved	Water	SM 2540C	
500-92583-8	MW-12	Dissolved	Water	SM 2540C	
500-92583-9	MW-16	Dissolved	Water	SM 2540C	
500-92583-10	MW-02	Dissolved	Water	SM 2540C	
500-92583-11	MW-03	Dissolved	Water	SM 2540C	
500-92583-12	MW-04	Dissolved	Water	SM 2540C	
LCS 500-277807/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-277807/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 277811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-13	MW-05	Dissolved	Water	SM 2540C	
500-92583-13 DU	MW-05	Dissolved	Water	SM 2540C	
500-92583-13 MS	MW-05	Dissolved	Water	SM 2540C	
500-92583-14	MW-08	Dissolved	Water	SM 2540C	
500-92583-14 DU	MW-08	Dissolved	Water	SM 2540C	
500-92583-15	MW-13	Dissolved	Water	SM 2540C	
500-92583-16	MW-14	Dissolved	Water	SM 2540C	
500-92583-17	MW-15	Dissolved	Water	SM 2540C	
LCS 500-277811/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 277811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 500-277811/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 277859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	SM 4500 F C	
500-92583-2	MW-06	Dissolved	Water	SM 4500 F C	
500-92583-3	MW-07	Dissolved	Water	SM 4500 F C	
500-92583-4	MW-10	Dissolved	Water	SM 4500 F C	
500-92583-5	Duplicate	Dissolved	Water	SM 4500 F C	
500-92583-6	MW-09	Dissolved	Water	SM 4500 F C	
500-92583-7	MW-11	Dissolved	Water	SM 4500 F C	
500-92583-8	MW-12	Dissolved	Water	SM 4500 F C	
500-92583-9	MW-16	Dissolved	Water	SM 4500 F C	
500-92583-10	MW-02	Dissolved	Water	SM 4500 F C	
500-92583-11	MW-03	Dissolved	Water	SM 4500 F C	
500-92583-12	MW-04	Dissolved	Water	SM 4500 F C	
500-92583-13	MW-05	Dissolved	Water	SM 4500 F C	
500-92583-14	MW-08	Dissolved	Water	SM 4500 F C	
500-92583-15	MW-13	Dissolved	Water	SM 4500 F C	
500-92583-16	MW-14	Dissolved	Water	SM 4500 F C	
500-92583-17	MW-15	Dissolved	Water	SM 4500 F C	
LCS 500-277859/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-277859/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 277898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	SM 4500 NO3 F	
500-92583-2	MW-06	Dissolved	Water	SM 4500 NO3 F	
500-92583-3	MW-07	Dissolved	Water	SM 4500 NO3 F	
500-92583-4	MW-10	Dissolved	Water	SM 4500 NO3 F	
500-92583-5	Duplicate	Dissolved	Water	SM 4500 NO3 F	
500-92583-6	MW-09	Dissolved	Water	SM 4500 NO3 F	
500-92583-7	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-92583-7 MS	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-92583-7 MSD	MW-11	Dissolved	Water	SM 4500 NO3 F	
500-92583-8	MW-12	Dissolved	Water	SM 4500 NO3 F	
500-92583-9	MW-16	Dissolved	Water	SM 4500 NO3 F	
500-92583-10	MW-02	Dissolved	Water	SM 4500 NO3 F	
500-92583-11	MW-03	Dissolved	Water	SM 4500 NO3 F	
500-92583-12	MW-04	Dissolved	Water	SM 4500 NO3 F	
500-92583-13	MW-05	Dissolved	Water	SM 4500 NO3 F	
500-92583-14	MW-08	Dissolved	Water	SM 4500 NO3 F	
500-92583-15	MW-13	Dissolved	Water	SM 4500 NO3 F	
500-92583-16	MW-14	Dissolved	Water	SM 4500 NO3 F	
500-92583-17	MW-15	Dissolved	Water	SM 4500 NO3 F	
LCS 500-277898/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-277898/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 278069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-1	MW-01	Dissolved	Water	9038	

General Chemistry (Continued)

Analysis Batch: 278069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-2	MW-06	Dissolved	Water	9038	
500-92583-3	MW-07	Dissolved	Water	9038	
500-92583-4	MW-10	Dissolved	Water	9038	
500-92583-5	Duplicate	Dissolved	Water	9038	
500-92583-7	MW-11	Dissolved	Water	9038	
500-92583-8	MW-12	Dissolved	Water	9038	
500-92583-9	MW-16	Dissolved	Water	9038	
500-92583-10	MW-02	Dissolved	Water	9038	
500-92583-11	MW-03	Dissolved	Water	9038	
500-92583-12	MW-04	Dissolved	Water	9038	
500-92583-13	MW-05	Dissolved	Water	9038	
LCS 500-278069/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-278069/3	Method Blank	Total/NA	Water	9038	

Analysis Batch: 278242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92583-6	MW-09	Dissolved	Water	9038	
500-92583-14	MW-08	Dissolved	Water	9038	
500-92583-15	MW-13	Dissolved	Water	9038	
500-92583-16	MW-14	Dissolved	Water	9038	
500-92583-17	MW-15	Dissolved	Water	9038	
LCS 500-278242/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-278242/3	Method Blank	Total/NA	Water	9038	

Surrogate Summary

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

TestAmerica Job ID: 500-92583-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-92583-1	MW-01	95	99	96	85
500-92583-1 MS	MW-01	105	96	98	93
500-92583-1 MSD	MW-01	104	96	96	94
500-92583-2	MW-06	96	98	99	85
500-92583-3	MW-07	97	99	99	87
500-92583-4	MW-10	100	98	98	87
500-92583-5	Duplicate	100	97	96	87
500-92583-6	MW-09	102	97	99	88
500-92583-7	MW-11	101	97	96	87
500-92583-8	MW-12	105	97	96	89
500-92583-9	MW-16	101	99	98	87
500-92583-10	MW-02	102	97	98	86
500-92583-11	MW-03	101	98	97	88
500-92583-12	MW-04	94	88	92	88
500-92583-13	MW-05	94	88	90	86
500-92583-14	MW-08	95	87	91	87
500-92583-15	MW-13	92	89	93	89
500-92583-16	MW-14	95	88	92	89
500-92583-17	MW-15	96	88	92	90
500-92583-18	Trip Blank	91	88	92	84
LCS 500-277660/4	Lab Control Sample	96	97	95	92
LCS 500-277844/7	Lab Control Sample	90	93	90	88
LCS 500-277993/4	Lab Control Sample	94	91	89	88
MB 500-277660/6	Method Blank	99	97	97	91
MB 500-277844/6	Method Blank	91	88	92	87
MB 500-277993/6	Method Blank	99	87	92	89

Surrogate Legend

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

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

Lab Sample ID: MB 500-277660/6
Matrix: Water
Analysis Batch: 277660

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			03/02/15 10:30	1
Toluene	<0.00050		0.00050		mg/L			03/02/15 10:30	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/02/15 10:30	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/02/15 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*		*03/02/15 10:30*	*1*
Toluene-d8 (Surr)	*97*		*75 - 120*		*03/02/15 10:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*75 - 120*		*03/02/15 10:30*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*03/02/15 10:30*	*1*

Lab Sample ID: LCS 500-277660/4
Matrix: Water
Analysis Batch: 277660

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	0.0535		mg/L		107	75 - 120
Toluene	0.0500	0.0536		mg/L		107	75 - 120
Ethylbenzene	0.0500	0.0546		mg/L		109	75 - 120
Xylenes, Total	0.100	0.109		mg/L		109	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 125*
Toluene-d8 (Surr)	*97*		*75 - 120*
4-Bromofluorobenzene (Surr)	*95*		*75 - 120*
Dibromofluoromethane	*92*		*75 - 120*

Lab Sample ID: 500-92583-1 MS
Matrix: Water
Analysis Batch: 277660

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00050		0.0500	0.0487		mg/L		97	75 - 120
Toluene	<0.00050		0.0500	0.0476		mg/L		95	75 - 120
Ethylbenzene	<0.00050		0.0500	0.0472		mg/L		94	75 - 120
Xylenes, Total	<0.0010		0.100	0.0963		mg/L		96	75 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*75 - 125*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*98*		*75 - 120*
Dibromofluoromethane	*93*		*75 - 120*

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

Lab Sample ID: 500-92583-1 MSD — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277660

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00050		0.0500	0.0559		mg/L		112	75 - 120	14	20
Toluene	<0.00050		0.0500	0.0541		mg/L		108	75 - 120	13	20
Ethylbenzene	<0.00050		0.0500	0.0542		mg/L		108	75 - 120	14	20
Xylenes, Total	<0.0010		0.100	0.109		mg/L		109	75 - 120	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 125*
Toluene-d8 (Surr)	*96*		*75 - 120*
4-Bromofluorobenzene (Surr)	*96*		*75 - 120*
Dibromofluoromethane	*94*		*75 - 120*

Lab Sample ID: MB 500-277844/6 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277844

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/03/15 10:40	1
Toluene	<0.00050		0.00050		mg/L			03/03/15 10:40	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/03/15 10:40	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/03/15 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 125*		*03/03/15 10:40*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/03/15 10:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/03/15 10:40*	*1*
Dibromofluoromethane	*87*		*75 - 120*		*03/03/15 10:40*	*1*

Lab Sample ID: LCS 500-277844/7 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277844

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0491		mg/L		98	75 - 120
Toluene	0.0500	0.0500		mg/L		100	75 - 120
Ethylbenzene	0.0500	0.0535		mg/L		107	75 - 120
Xylenes, Total	0.100	0.103		mg/L		103	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 125*
Toluene-d8 (Surr)	*93*		*75 - 120*
4-Bromofluorobenzene (Surr)	*90*		*75 - 120*
Dibromofluoromethane	*88*		*75 - 120*

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

Lab Sample ID: MB 500-277993/6
Matrix: Water
Analysis Batch: 277993

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			03/04/15 11:00	1
Toluene	<0.00050		0.00050		mg/L			03/04/15 11:00	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/04/15 11:00	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/04/15 11:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 125*		*03/04/15 11:00*	*1*
Toluene-d8 (Surr)	*87*		*75 - 120*		*03/04/15 11:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*75 - 120*		*03/04/15 11:00*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*03/04/15 11:00*	*1*

Lab Sample ID: LCS 500-277993/4
Matrix: Water
Analysis Batch: 277993

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	0.0480		mg/L		96	75 - 120
Toluene	0.0500	0.0485		mg/L		97	75 - 120
Ethylbenzene	0.0500	0.0514		mg/L		103	75 - 120
Xylenes, Total	0.100	0.0998		mg/L		100	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 125*
Toluene-d8 (Surr)	*91*		*75 - 120*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*
Dibromofluoromethane	*88*		*75 - 120*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-67436/6
Matrix: Water
Analysis Batch: 67436

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 20:59	1

Lab Sample ID: LCS 320-67436/7
Matrix: Water
Analysis Batch: 67436

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	0.0517		mg/L		103	85 - 115

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-67436/5
Matrix: Water
Analysis Batch: 67436

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	4.00	<4.0		ug/L		98	75 - 125

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 500-92583-1 MS
Matrix: Water
Analysis Batch: 277996

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 277866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	<0.0030		0.500	0.511		mg/L		102	75 - 125
Barium	0.037		0.500	0.547		mg/L		102	75 - 125
Beryllium	<0.0010		0.0500	0.0536		mg/L		107	75 - 125
Boron	0.059		1.00	1.11		mg/L		105	75 - 125
Cadmium	<0.00050		0.0500	0.0519		mg/L		104	75 - 125
Chromium	<0.0050		0.200	0.198		mg/L		99	75 - 125
Cobalt	<0.0010		0.500	0.519		mg/L		104	75 - 125
Iron	<0.10		1.00	1.12		mg/L		105	75 - 125
Lead	<0.00050		0.100	0.102		mg/L		101	75 - 125
Manganese	0.0043		0.500	0.504		mg/L		100	75 - 125
Nickel	<0.0020		0.500	0.526		mg/L		105	75 - 125
Thallium	<0.0020		0.100	0.109		mg/L		109	75 - 125
Vanadium	<0.0050		0.500	0.518		mg/L		103	75 - 125
Zinc	<0.020		0.500	0.550		mg/L		110	75 - 125

Lab Sample ID: 500-92583-1 MS
Matrix: Water
Analysis Batch: 278004

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 277866

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.0010		0.100	0.119		mg/L		119	75 - 125
Copper	<0.0020		0.250	0.242		mg/L		97	75 - 125
Selenium	<0.0025		0.100	0.133	F1	mg/L		133	75 - 125
Silver	<0.00050		0.0500	0.0354	F1	mg/L		71	75 - 125

Lab Sample ID: 500-92583-1 MSD
Matrix: Water
Analysis Batch: 277996

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 277866

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	<0.0030		0.500	0.514		mg/L		103	75 - 125	1	20
Barium	0.037		0.500	0.547		mg/L		102	75 - 125	0	20
Beryllium	<0.0010		0.0500	0.0528		mg/L		106	75 - 125	2	20
Boron	0.059		1.00	1.09		mg/L		103	75 - 125	1	20
Cadmium	<0.00050		0.0500	0.0511		mg/L		102	75 - 125	1	20
Chromium	<0.0050		0.200	0.195		mg/L		98	75 - 125	1	20
Cobalt	<0.0010		0.500	0.506		mg/L		101	75 - 125	3	20
Iron	<0.10		1.00	1.10		mg/L		103	75 - 125	1	20
Lead	<0.00050		0.100	0.101		mg/L		100	75 - 125	1	20

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

Lab Sample ID: 500-92583-1 MSD — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277996 — **Prep Batch: 277866**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Manganese	0.0043		0.500	0.502		mg/L		100	75 - 125	0	20
Nickel	<0.0020		0.500	0.522		mg/L		104	75 - 125	1	20
Thallium	<0.0020		0.100	0.108		mg/L		108	75 - 125	1	20
Vanadium	<0.0050		0.500	0.514		mg/L		102	75 - 125	1	20
Zinc	<0.020		0.500	0.540		mg/L		108	75 - 125	2	20

Lab Sample ID: 500-92583-1 MSD — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 278004 — **Prep Batch: 277866**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<0.0010		0.100	0.122		mg/L		122	75 - 125	2	20
Copper	<0.0020		0.250	0.252		mg/L		101	75 - 125	4	20
Selenium	<0.0025		0.100	0.136	F1	mg/L		136	75 - 125	2	20
Silver	<0.00050		0.0500	0.0429		mg/L		86	75 - 125	19	20

Lab Sample ID: 500-92583-1 DU — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277996 — **Prep Batch: 277866**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Antimony	<0.0030			<0.0030		mg/L				NC	20
Barium	0.037			0.0373		mg/L				0.8	20
Beryllium	<0.0010			<0.0010		mg/L				NC	20
Boron	0.059			0.0579		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
Iron	<0.10			<0.10		mg/L				NC	20
Lead	<0.00050			<0.00050		mg/L				NC	20
Manganese	0.0043			0.00425		mg/L				2	20
Nickel	<0.0020			<0.0020		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: 500-92583-1 DU — **Client Sample ID: MW-01**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 278004 — **Prep Batch: 277866**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	<0.0010			<0.0010		mg/L				NC	20
Copper	<0.0020			<0.0020		mg/L				NC	20
Selenium	<0.0025			<0.0025		mg/L				NC	20
Silver	<0.00050			<0.00050		mg/L				NC	20

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

Lab Sample ID: MB 500-277866/1-A
Matrix: Water
Analysis Batch: 277996

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 277866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/03/15 09:48	03/03/15 15:23	1
Barium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 15:23	1
Beryllium	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:23	1
Boron	<0.050		0.050		mg/L		03/03/15 09:48	03/03/15 15:23	1
Cadmium	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 15:23	1
Chromium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:23	1
Cobalt	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 15:23	1
Iron	<0.10		0.10		mg/L		03/03/15 09:48	03/03/15 15:23	1
Lead	0.000910		0.00050		mg/L		03/03/15 09:48	03/03/15 15:23	1
Manganese	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 15:23	1
Nickel	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:23	1
Thallium	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 15:23	1
Vanadium	<0.0050		0.0050		mg/L		03/03/15 09:48	03/03/15 15:23	1
Zinc	<0.020		0.020		mg/L		03/03/15 09:48	03/03/15 15:23	1

Lab Sample ID: MB 500-277866/1-A
Matrix: Water
Analysis Batch: 278004

Client Sample ID: Method Blank
Prep Type: Soluble
Prep Batch: 277866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010		mg/L		03/03/15 09:48	03/03/15 17:12	1
Copper	<0.0020		0.0020		mg/L		03/03/15 09:48	03/03/15 17:12	1
Selenium	<0.0025		0.0025		mg/L		03/03/15 09:48	03/03/15 17:12	1
Silver	<0.00050		0.00050		mg/L		03/03/15 09:48	03/03/15 17:12	1

Lab Sample ID: LCS 500-277866/2-A
Matrix: Water
Analysis Batch: 277996

Client Sample ID: Lab Control Sample
Prep Type: Soluble
Prep Batch: 277866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.482		mg/L		96	80 - 120
Barium	0.500	0.477		mg/L		95	80 - 120
Beryllium	0.0500	0.0508		mg/L		102	80 - 120
Boron	1.00	0.997		mg/L		100	80 - 120
Cadmium	0.0500	0.0491		mg/L		98	80 - 120
Chromium	0.200	0.188		mg/L		94	80 - 120
Cobalt	0.500	0.481		mg/L		96	80 - 120
Iron	1.00	1.11		mg/L		111	80 - 120
Lead	0.100	0.0997		mg/L		100	80 - 120
Manganese	0.500	0.479		mg/L		96	80 - 120
Nickel	0.500	0.490		mg/L		98	80 - 120
Thallium	0.100	0.106		mg/L		106	80 - 120
Vanadium	0.500	0.483		mg/L		97	80 - 120
Zinc	0.500	0.510		mg/L		102	80 - 120

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

Lab Sample ID: LCS 500-277866/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Soluble**
Analysis Batch: 278004 — **Prep Batch: 277866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.100	0.104		mg/L		104	80 - 120
Copper	0.250	0.246		mg/L		98	80 - 120
Selenium	0.100	0.103		mg/L		103	80 - 120
Silver	0.0500	0.0489		mg/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-278461/12-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 278644 — **Prep Batch: 278461**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/06/15 12:00	03/06/15 20:04	1

Lab Sample ID: LCS 500-278461/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 278644 — **Prep Batch: 278461**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00219		mg/L		109	80 - 120

Lab Sample ID: 500-92583-7 MS — **Client Sample ID: MW-11**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 278644 — **Prep Batch: 278461**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.00020		0.00200	0.00107	F1	mg/L		53	80 - 120

Lab Sample ID: 500-92583-7 MSD — **Client Sample ID: MW-11**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 278644 — **Prep Batch: 278461**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00020		0.00200	0.00103	F1	mg/L		52	80 - 120	3	20

Lab Sample ID: 500-92583-7 DU — **Client Sample ID: MW-11**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 278644 — **Prep Batch: 278461**

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

Method: 9014 - Cyanide

Lab Sample ID: MB 500-277746/1-A
Matrix: Water
Analysis Batch: 277806

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277746

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:40	1

Lab Sample ID: LCS 500-277746/2-A
Matrix: Water
Analysis Batch: 277806

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 277746

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

Lab Sample ID: 500-92583-1 MS
Matrix: Water
Analysis Batch: 277806

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 277746

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	<0.010		0.0400	0.0437		mg/L		109	75 - 125

Lab Sample ID: 500-92583-1 MSD
Matrix: Water
Analysis Batch: 277806

Client Sample ID: MW-01
Prep Type: Dissolved
Prep Batch: 277746

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.010		0.0400	0.0433		mg/L		108	75 - 125	1	20

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-278069/3
Matrix: Water
Analysis Batch: 278069

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			03/04/15 10:04	1

Lab Sample ID: LCS 500-278069/4
Matrix: Water
Analysis Batch: 278069

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

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

Lab Sample ID: MB 500-278242/3
Matrix: Water
Analysis Batch: 278242

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			03/05/15 08:26	1

Method: 9038 - Sulfate, Turbidimetric (Continued)

Lab Sample ID: LCS 500-278242/4
Matrix: Water
Analysis Batch: 278242

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	19.5		mg/L		97	80 - 120

Method: 9251 - Chloride

Lab Sample ID: MB 500-277574/4
Matrix: Water
Analysis Batch: 277574

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/27/15 21:11	1

Lab Sample ID: LCS 500-277574/5
Matrix: Water
Analysis Batch: 277574

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: 500-92583-15 MS
Matrix: Water
Analysis Batch: 277574

Client Sample ID: MW-13
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	180		50.0	225		mg/L		91	75 - 125

Lab Sample ID: 500-92583-15 MSD
Matrix: Water
Analysis Batch: 277574

Client Sample ID: MW-13
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	217	F1	mg/L		74	75 - 125	4	20

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

Lab Sample ID: MB 500-277807/1
Matrix: Water
Analysis Batch: 277807

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			03/02/15 20:00	1

Lab Sample ID: LCS 500-277807/2
Matrix: Water
Analysis Batch: 277807

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	268		mg/L		107	80 - 120

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

Lab Sample ID: MB 500-277811/1
Matrix: Water
Analysis Batch: 277811

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			03/02/15 21:00	1

Lab Sample ID: LCS 500-277811/2
Matrix: Water
Analysis Batch: 277811

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	228		mg/L		91	80 - 120

Lab Sample ID: 500-92583-1 DU
Matrix: Water
Analysis Batch: 277807

Client Sample ID: MW-01
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	470		448		mg/L		4	5

Lab Sample ID: 500-92583-13 MS
Matrix: Water
Analysis Batch: 277811

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	570		250	824		mg/L		100	75 - 125

Lab Sample ID: 500-92583-13 DU
Matrix: Water
Analysis Batch: 277811

Client Sample ID: MW-05
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	570		570		mg/L		0.7	5

Lab Sample ID: 500-92583-14 DU
Matrix: Water
Analysis Batch: 277811

Client Sample ID: MW-08
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1100		1030		mg/L		5	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-277859/3
Matrix: Water
Analysis Batch: 277859

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			03/02/15 16:19	1

Method: SM 4500 F C - Fluoride (Continued)

Lab Sample ID: LCS 500-277859/4
Matrix: Water
Analysis Batch: 277859

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoride	10.0	10.2		mg/L		102	80 - 120

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-277169/3
Matrix: Water
Analysis Batch: 277169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:34	1

Lab Sample ID: LCS 500-277169/4
Matrix: Water
Analysis Batch: 277169

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	0.109		mg/L		109	80 - 120

Lab Sample ID: MB 500-277346/3
Matrix: Water
Analysis Batch: 277346

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/26/15 13:00	1

Lab Sample ID: LCS 500-277346/4
Matrix: Water
Analysis Batch: 277346

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

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

Lab Sample ID: MB 500-277546/3
Matrix: Water
Analysis Batch: 277546

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/27/15 14:50	1

Lab Sample ID: LCS 500-277546/4
Matrix: Water
Analysis Batch: 277546

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	0.0987		mg/L		99	80 - 120

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

Lab Sample ID: 500-92583-13 MS — **Client Sample ID: MW-05**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.113		mg/L		95	75 - 125

Lab Sample ID: 500-92583-13 MSD — **Client Sample ID: MW-05**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277346

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	0.115		mg/L		96	75 - 125	1	20

Lab Sample ID: 500-92583-17 MS — **Client Sample ID: MW-15**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277546

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrite	<0.020		0.100	0.108		mg/L		93	75 - 125

Lab Sample ID: 500-92583-17 MSD — **Client Sample ID: MW-15**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277546

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	0.110		mg/L		94	75 - 125	1	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-277898/12 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.10		0.10		mg/L			03/03/15 10:51	1

Lab Sample ID: LCS 500-277898/13 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	1.00	1.14		mg/L		114	80 - 120

Lab Sample ID: 500-92583-7 MS — **Client Sample ID: MW-11**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 277898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrogen, Nitrate Nitrite	<0.10		1.00	1.61	F1	mg/L		155	75 - 125

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

Lab Sample ID: 500-92583-7 MSD
Matrix: Water
Analysis Batch: 277898

Client Sample ID: MW-11
Prep Type: Dissolved

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrogen, Nitrate Nitrite	<0.10		1.00	1.50	F1	mg/L		144	75 - 125	7	20

Client Sample ID: MW-01

Lab Sample ID: 500-92583-1

Date Collected: 02/23/15 16:48

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 13:54	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 22:16	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:17	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 15:31	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:08	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:41		
					(End)	03/02/15 20:41		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:11		
					(End)	03/04/15 10:12		
Dissolved	Analysis	9251		1	277574	02/27/15 21:16	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:27	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:31	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:36		
					(End)	02/25/15 11:36		
Dissolved	Analysis	SM 4500 NO3 F		5	277898	03/03/15 13:09	AJR	TAL CHI

Client Sample ID: MW-06

Lab Sample ID: 500-92583-2

Date Collected: 02/23/15 15:25

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 14:20	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 22:32	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:39	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 15:53	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:10	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:42		
					(End)	03/02/15 20:42		

Client Sample ID: MW-06

Lab Sample ID: 500-92583-2

Date Collected: 02/23/15 15:25

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		20	278069		CLB	TAL CHI
					(Start)	03/04/15 10:12		
					(End)	03/04/15 10:13		
Dissolved	Analysis	9251		5	277574	02/27/15 21:53	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:32	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:34	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:36		
					(End)	02/25/15 11:37		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 10:59	AJR	TAL CHI

Client Sample ID: MW-07

Lab Sample ID: 500-92583-3

Date Collected: 02/23/15 14:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 14:47	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 22:47	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:42	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 15:57	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		5	278138	03/04/15 13:59	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278322	03/05/15 11:38	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:12	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:42		
					(End)	03/02/15 20:42		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:13		
					(End)	03/04/15 10:14		
Dissolved	Analysis	9251		5	277574	02/27/15 21:54	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:35	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:38	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:37		
					(End)	02/25/15 11:37		

Client Sample ID: MW-07

Lab Sample ID: 500-92583-3

Date Collected: 02/23/15 14:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 11:01	AJR	TAL CHI

Client Sample ID: MW-10

Lab Sample ID: 500-92583-4

Date Collected: 02/23/15 18:15

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 15:13	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 23:02	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:45	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:01	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:14	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:42		
					(End)	03/02/15 20:43		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:16		
					(End)	03/04/15 10:17		
Dissolved	Analysis	9251		1	277574	02/27/15 21:21	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:37	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:41	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:37		
					(End)	02/25/15 11:37		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 11:03	AJR	TAL CHI

Client Sample ID: Duplicate

Lab Sample ID: 500-92583-5

Date Collected: 02/23/15 00:00

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 15:39	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 23:18	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:47	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:14	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI

Client Sample ID: Duplicate

Lab Sample ID: 500-92583-5

Date Collected: 02/23/15 00:00

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	7470A		1	278644	03/06/15 20:16	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:43		
					(End)	03/02/15 20:43		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:17		
					(End)	03/04/15 10:18		
Dissolved	Analysis	9251		1	277574	02/27/15 21:22	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:40	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:45	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:37		
					(End)	02/25/15 11:38		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 11:05	AJR	TAL CHI

Client Sample ID: MW-09

Lab Sample ID: 500-92583-6

Date Collected: 02/24/15 15:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 16:06	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 00:04	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:50	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:18	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:18	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:43		
					(End)	03/02/15 20:43		
Dissolved	Analysis	9038		5	278242		CLB	TAL CHI
					(Start)	03/05/15 08:28		
					(End)	03/05/15 08:29		
Dissolved	Analysis	9251		1	277574	02/27/15 21:23	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:42	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 16:58	EAT	TAL CHI

Client Sample ID: MW-09

Lab Sample ID: 500-92583-6

Date Collected: 02/24/15 15:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:38		
					(End)	02/25/15 11:39		
Dissolved	Analysis	SM 4500 NO3 F		10	277898	03/03/15 13:10	AJR	TAL CHI

Client Sample ID: MW-11

Lab Sample ID: 500-92583-7

Date Collected: 02/24/15 13:50

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 16:32	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 00:20	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:53	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:23	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		10	278322	03/05/15 12:08	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:24	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:44		
					(End)	03/02/15 20:44		
Dissolved	Analysis	9038		5	278069		CLB	TAL CHI
					(Start)	03/04/15 10:18		
					(End)	03/04/15 10:19		
Dissolved	Analysis	9251		1	277574	02/27/15 21:24	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:45	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:01	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:39		
					(End)	02/25/15 11:39		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 11:10	AJR	TAL CHI

Client Sample ID: MW-12

Lab Sample ID: 500-92583-8

Date Collected: 02/24/15 11:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 16:59	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 00:35	LW1	TAL SAC

Client Sample ID: MW-12

Lab Sample ID: 500-92583-8

Date Collected: 02/24/15 11:10

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 17:55	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:27	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278322	03/05/15 11:46	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:32	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:44		
					(End)	03/02/15 20:45		
Dissolved	Analysis	9038		20	278069		CLB	TAL CHI
					(Start)	03/04/15 10:19		
					(End)	03/04/15 10:20		
Dissolved	Analysis	9251		5	277574	02/27/15 21:54	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:47	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:04	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:39		
					(End)	02/25/15 11:39		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:18	AJR	TAL CHI

Client Sample ID: MW-16

Lab Sample ID: 500-92583-9

Date Collected: 02/24/15 16:20

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 17:25	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 00:51	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:04	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:31	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:34	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:45		
					(End)	03/02/15 20:45		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:20		
					(End)	03/04/15 10:21		

Lab Chronicle

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-16

Lab Sample ID: 500-92583-9

Date Collected: 02/24/15 16:20
Matrix: Water
Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9251		1	277574	02/27/15 21:25	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:50	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:07	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:39		
					(End)	02/25/15 11:40		
Dissolved	Analysis	SM 4500 NO3 F		20	277898	03/03/15 12:20	AJR	TAL CHI

Client Sample ID: MW-02

Lab Sample ID: 500-92583-10

Date Collected: 02/25/15 10:50
Matrix: Water
Date Received: 02/26/15 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 17:51	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 01:06	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:06	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:35	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:36	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:45		
					(End)	03/02/15 20:45		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:21		
					(End)	03/04/15 10:22		
Dissolved	Analysis	9251		1	277574	02/27/15 21:25	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:52	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:11	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277346		LAJ	TAL CHI
					(Start)	02/26/15 13:01		
					(End)	02/26/15 13:02		
Dissolved	Analysis	SM 4500 NO3 F		5	277898	03/03/15 12:23	AJR	TAL CHI

Client Sample ID: MW-03

Lab Sample ID: 500-92583-11

Date Collected: 02/25/15 12:15

Matrix: Water

Date Received: 02/26/15 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277660	03/02/15 18:18	TCT	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 01:22	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:09	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:40	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:38	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:45		
					(End)	03/02/15 20:45		
Dissolved	Analysis	9038		2	278069		CLB	TAL CHI
					(Start)	03/04/15 10:22		
					(End)	03/04/15 10:23		
Dissolved	Analysis	9251		1	277574	02/27/15 21:26	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:55	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:15	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277346		LAJ	TAL CHI
					(Start)	02/26/15 13:02		
					(End)	02/26/15 13:02		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:25	AJR	TAL CHI

Client Sample ID: MW-04

Lab Sample ID: 500-92583-12

Date Collected: 02/25/15 13:40

Matrix: Water

Date Received: 02/26/15 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 15:10	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 01:38	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:12	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:44	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:40	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:45		
					(End)	03/02/15 20:46		

Client Sample ID: MW-04

Lab Sample ID: 500-92583-12

Date Collected: 02/25/15 13:40

Matrix: Water

Date Received: 02/26/15 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9038		5	278069		CLB	TAL CHI
					(Start)	03/04/15 10:23		
					(End)	03/04/15 10:24		
Dissolved	Analysis	9251		5	277574	02/27/15 21:55	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277807	03/02/15 20:57	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:18	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277346		LAJ	TAL CHI
					(Start)	02/26/15 13:02		
					(End)	02/26/15 13:02		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:26	AJR	TAL CHI

Client Sample ID: MW-05

Lab Sample ID: 500-92583-13

Date Collected: 02/25/15 15:20

Matrix: Water

Date Received: 02/26/15 11:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 15:35	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 01:53	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:15	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:48	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:42	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:46		
					(End)	03/02/15 20:46		
Dissolved	Analysis	9038		4	278069		CLB	TAL CHI
					(Start)	03/04/15 10:24		
					(End)	03/04/15 10:25		
Dissolved	Analysis	9251		5	277574	02/27/15 21:57	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277811	03/02/15 21:05	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:21	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277346		LAJ	TAL CHI
					(Start)	02/26/15 13:02		
					(End)	02/26/15 13:03		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:27	AJR	TAL CHI

Client Sample ID: MW-08

Lab Sample ID: 500-92583-14

Date Collected: 02/26/15 14:00

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 16:00	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 02:08	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:17	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 16:52	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:48	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:46		
					(End)	03/02/15 20:46		
Dissolved	Analysis	9038		10	278242		CLB	TAL CHI
					(Start)	03/05/15 08:29		
					(End)	03/05/15 08:30		
Dissolved	Analysis	9251		5	277574	02/27/15 21:58	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277811	03/02/15 21:12	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:24	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277546		LAJ	TAL CHI
					(Start)	02/27/15 14:51		
					(End)	02/27/15 14:52		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:27	AJR	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-92583-15

Date Collected: 02/26/15 10:10

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 16:25	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 02:24	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:20	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		5	278058	03/04/15 09:58	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 17:05	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278322	03/05/15 11:50	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:50	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI

Client Sample ID: MW-13

Lab Sample ID: 500-92583-15

Date Collected: 02/26/15 10:10

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:46		
					(End)	03/02/15 20:47		
Dissolved	Analysis	9038		50	278242		CLB	TAL CHI
					(Start)	03/05/15 08:30		
					(End)	03/05/15 08:31		
Dissolved	Analysis	9251		5	277574	02/27/15 21:58	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277811	03/02/15 21:17	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:27	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277546		LAJ	TAL CHI
					(Start)	02/27/15 14:52		
					(End)	02/27/15 14:52		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:28	AJR	TAL CHI

Client Sample ID: MW-14

Lab Sample ID: 500-92583-16

Date Collected: 02/26/15 11:25

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 16:50	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 03:10	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:23	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		5	278058	03/04/15 09:59	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 17:10	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:52	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:47		
					(End)	03/02/15 20:47		
Dissolved	Analysis	9038		50	278242		CLB	TAL CHI
					(Start)	03/05/15 08:31		
					(End)	03/05/15 08:32		
Dissolved	Analysis	9251		5	277574	02/27/15 22:00	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277811	03/02/15 21:20	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:40	EAT	TAL CHI

Lab Chronicle

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: MW-14

Lab Sample ID: 500-92583-16

Date Collected: 02/26/15 11:25

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	SM 4500 NO2 B		1	277546		LAJ	TAL CHI
					(Start)	02/27/15 14:52		
					(End)	02/27/15 14:52		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:31	AJR	TAL CHI

Client Sample ID: MW-15

Lab Sample ID: 500-92583-17

Date Collected: 02/26/15 12:45

Matrix: Water

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277844	03/03/15 17:16	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/05/15 03:26	LW1	TAL SAC
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278004	03/03/15 18:25	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		5	278058	03/04/15 10:00	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	277996	03/03/15 17:14	MJP	TAL CHI
Dissolved	Prep	Soluble Metals			277866	03/03/15 09:48	MJP	TAL CHI
Dissolved	Analysis	6020A		1	278322	03/05/15 11:53	MJP	TAL CHI
Dissolved	Prep	7470A			278461	03/06/15 12:00	RLL	TAL CHI
Dissolved	Analysis	7470A		1	278644	03/06/15 20:53	RLL	TAL CHI
Dissolved	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Dissolved	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:48		
					(End)	03/02/15 20:48		
Dissolved	Analysis	9038		20	278242		CLB	TAL CHI
					(Start)	03/05/15 08:32		
					(End)	03/05/15 08:33		
Dissolved	Analysis	9251		5	277574	02/27/15 22:00	HMW	TAL CHI
Dissolved	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Dissolved	Analysis	SM 2540C		1	277811	03/02/15 21:22	CLB	TAL CHI
Dissolved	Analysis	SM 4500 F C		1	277859	03/02/15 17:43	EAT	TAL CHI
Dissolved	Analysis	SM 4500 NO2 B		1	277546		LAJ	TAL CHI
					(Start)	02/27/15 14:52		
					(End)	02/27/15 14:53		
Dissolved	Analysis	SM 4500 NO3 F		1	277898	03/03/15 12:32	AJR	TAL CHI

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

TestAmerica Job ID: 500-92583-1

Client Sample ID: Trip Blank — **Lab Sample ID: 500-92583-18**

Date Collected: 02/23/15 00:00 — **Matrix: Water**

Date Received: 02/27/15 11:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	277993	03/04/15 12:45	TCT	TAL CHI

Laboratory References:

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

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

Certification Summary

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

TestAmerica Job ID: 500-92583-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

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

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-15
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
New York	NELAP	2	11666	04-01-15
Oregon	NELAP	10	CA200005	01-29-16
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL

2417 Bond Street, University Park, IL 60
Phone: 708.534.5200 Fax: 708.534

500-92583 COC

Chain of Custody Record

Lab Job #: 500-92583

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 2.6

Report To (optional)		Bill To (optional)	
Contact:	RICH GNAT	Contact:	
Company:	KPRG & ASSOCIATES INC	Company:	
Address:	14665 W. LISBON RD-2B	Address:	
Address:	BROOKFIELD, WI	Address:	
Phone:	262-781-0475	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: KPRG & ASSOCIATES INC	Client Project #: 12313.1	Preservative	
Project Name: POWERTON STATION ASH PONDS		Parameter	
Project Location/State: PEKIN, IL	Lab Project #: 500080277		
Sampler: I. S. HOLLESON	Lab PM: B. STADELMANN		

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. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	502									Comments
1		MW-01	2/23/15	16:48	1	W	X									
2		MW-06	2/23/15	15:25	1	W	X									
3		MW-07	2/23/15	14:10	1	W	X									
4		MW-10	2/23/15	18:15	1	W	X									
5		DUPLICATE	2/23/15	—	1	W	X									
6		MW-09	2/24/15	15:10	1	W	X									
7		MW-11	2/24/15	13:50	1	W	X									
8		MW-12	2/24/15	11:10	1	W	X									
9		MW-16	2/24/15	16:20	1	W	X									

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	KPRG	2-24-15	18:00	FEDEX			
					TA-CHI	2/25/15	1020

Lab Courier
Shipped: Fed-X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: RICH GNAT
Company: KPRG & ASSOCIATES INC
Address: 14665 W. LISBON RD. 2B
Address: BROOKFIELD, WI
Phone: 262-781-0475
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500- 92583
Chain of Custody Number:
Page _____ of _____
Temperature °C of Cooler: 3.6

Client: KPRG & ASSOCIATES INC
Client Project #: 12313-1
Project Name: POWERTON STATION ASH PONDS
Project Location/State: PEKIN, ILLINOIS
Lab Project #: 500O8027
Sampler: I.J. HOWKESON
Lab PM: B. SPANGLMANN

Preservative
Parameter
NO2

Preservative Key

500-92583 COC

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	NO2	Comments
10		MW-02	2/25/15	10:50	1	W	X	
11		MW-03	2/25/15	12:15	1	W	X	
12		MW-04	2/25/15	13:40	1	W	X	
13		MW-05	2/25/15	15:20	1	W	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date:

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	KPRG	02-25-15	15:55	FEDEX			
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
					TAL	02/26/15	1135
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmer
2417 Bond
University I
708-534-5200
Fax. 708-534-5211

500-92583 COC

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

Lab Lot # 500-92583

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

Temperature °C of Cooler: (3.4) (2.8) (3.1) (2.6)

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

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

Sampler Name:	Client Project #	Refrg #													
Ian John Howieson	12313.1	# / Cont.													
Project Name:	**TestAmerica Project Number:**	Volume													
Powerton Station Ash Ponds	50008027	Preserv.													
Project Location:	**Date Required**														
Pekin, IL	Hard Copy: ____/____/____														
Lab PM: Bonnie Stadelmann	Fax: ____/____/____														

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228		Additional Analyses / Remarks
1		MW-01	2/23/2015	16:48	W	8	X	X	X	X	X	X	X				
10		MW-02	2/25/2015	10:50	W	8	X	X	X	X	X	X	X				
11		MW-03	2/25/2015	12:15	W	8	X	X	X	X	X	x	X				
12		MW-04	2/25/2015	13:40	W	8	X	X	X	X	X	X	X				
13		MW-05	2/25/2015	15:20	W	8	X	X	X	X	X	X	X				
2		MW-06	2/23/2015	15:25	W	8	X	X	X	X	X	X	X				
3		MW-07	2/23/2015	14:10	W	8	X	X	X	X	X	x	X				
14		MW-08	2/26/2015	14:00	W	9	X	X	X	X	X	X	X				
6		MW-09	2/24/2015	15:10	W	20	X	X	X	X	X	X	X	X	X		
4		MW-10	2/23/2015	18:15	W	8	X	X	X	X	X	X	X				
7		MW-11	2/24/2015	13:50	W	20	X	X	X	X	X	X	X	X	X		

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	2/27/15	11:55		TAL	02/27/15	1155
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

Matrix Key

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

Container Key

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

_____

Preservative Key

1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received 2,27,15
Courier:
Hand Delivered X
Bill of Lading:

PAGE 1 of 3

STL-8208 (0600)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Lab Lot # 500-92583

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

Temperature °C of Cooler

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

Sample Labels and COC Agree
Yes No COC not present

Sampler Name: Ian John Howieson
Client Project #: 12313.1
Project Name: Powerton Station Ash Ponds
TestAmerica Project Number: 50008027
Project Location: Pekin, IL
Date Required Hard Copy: ____/____/____ Fax: ____/____/____
Lab PM: Bonnie Stadelmann

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228	Additional Analyses / Remarks
8		MW-12	2/24/2015	11:10	W	20	X	X	X	X	X	X	X	X	X	
15		MW-13	2/26/2015	10:10	W	9	X	X	X	X	X	X	X			
16		MW-14	2/26/2015	11:25	W	9	X	X	X	X	X	x	X			
17		MW-15	2/26/2015	12:45	W	9	X	X	X	X	X	X	X			
9		MW-16	2/24/2015	16:20	W	8	X	X	X	X	X	X	X			
5		Duplicate	2/23/2015	NA	W	8	X	X	X	X	X	X	X			
18		Trip Blank	2/23/2015	NA	W	2										

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	2-27-15	11:55		TAL	02/27/15	1155
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:

Matrix Key

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

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

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received 2,27,15
Courier:
Hand Delivered [X]
Bill of Lading:

PAGE 2 of 3

STL-8208 (0600)

City: West Sacramento	TAT Requested (days):
State, Zip: CA, 95605	
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:
Email	WO #:
Project Name: Powerton Station Ash Ponds	Project #: 50008027
Site: Ian John Howieson	SSOW#:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	314.0/ Perchlorate	Total Number of containers
			Preservation Code:					
MW-01 (500-92583-1)	2/23/15	16.48 Central		Water			X	1
MW-06 (500-92583-2)	2/23/15	15.25 Central		Water			X	1
MW-07 (500-92583-3)	2/23/15	14 10 Central		Water			X	1
MW-10 (500-92583-4)	2/23/15	18 15 Central		Water			X	1
Duplicate (500-92583-5)	2/23/15	Central		Water			X	1
MW-09 (500-92583-6)	2/24/15	15:10 Central		Water			X	1
MW-11 (500-92583-7)	2/24/15	13:50 Central		Water			X	1
MW-12 (500-92583-8)	2/24/15	11 10 Central		Water			X	1
MW-16 (500-92583-9)	2/24/15	16.20 Central		Water			X	1
MW-02 (500-92583-10)	2/25/15	10:50 Central		Water			X	1
MW-03 (500-92583-11)	2/25/15	12:15 Central		Water			X	1

Possible Hazard Identification

Unconfirmed

Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retain

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Arch*

Special Instructions/QC Requirements.

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

Relinquished by	Date/Time	Company	Received by:	Date/Time
Relinquished by:	Date/Time	Company	Received by:	Date/Time:
Relinquished by	Date/Time	Company	Received by	Date/Time:

Custody Seals Intact: Δ Yes Δ No	Custody Seal No. 442460	Cooler Temperature(s) °C and Other Remarks 1.5 C

West Sacramento	
State, Zip CA, 95605	
Phone 916-373-5600(Tel) 916-372-1059(Fax)	PO #:
Email:	WO #
Project Name Powerton Station Ash Ponds	Project # 50008027
Site: Ian John Howieson	SSOW#

Sample Identification -- Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	314.0/ Perchlorate	Total Number of containers
			Preservation Code					
MW-04 (500-92583-12)	2/25/15	13.40 Central		Water			X	1
MW-05 (500-92583-13)	2/25/15	15:20 Central		Water			X	1
MW-08 (500-92583-14)	2/26/15	14.00 Central		Water			X	1
MW-13 (500-92583-15)	2/26/15	10.10 Central		Water			X	1
MW-14 (500-92583-16)	2/26/15	11 25 Central		Water			X	1
MW-15 (500-92583-17)	2/26/15	12 45 Central		Water			X	1

Possible Hazard Identification

Unconfirmed

Sample Disposal (A fee may be assessed if samples are retain

☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Arch*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment
Relinquished by	Date/Time	Company	Received by: Cynthia Date/Time 2-28-15
Relinquished by	Date/Time	Company	Received by Date/Time
Relinquished by	Date/Time:	Company	Received by Date/Time

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

MWG13-15_48815 3/11/2015

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-92583-1

Login Number: 92583

List Source: TestAmerica Chicago

List Number: 1

Creator: Scott, Sherri L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6, 3.6,2.8,3.4,3.1,2.6
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.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-92583-1

Login Number: 92583
List Number: 3
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 02/28/15 02:08 PM

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

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: 500-92582-1
Client Project/Site: Powerton Station Ash Ponds

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

Attn: Richard Gnat

Authorized for release by:
3/11/2015 8:38:50 AM

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

Table of Contents

Case Narrative

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

TestAmerica Job ID: 500-92582-1

Job ID: 500-92582-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-92582-1

Comments
No additional comments.

Receipt
The samples were received on 2/25/2015 10:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.6º C and 3.6º C.

Except:

Chain of Custody says Dissolved Cyanide, but Total Cyanide logged in per client.

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

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

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 Ash Ponds

TestAmerica Job ID: 500-92582-1

Client Sample ID: East Yard Run Off

Lab Sample ID: 500-92582-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0033		0.0010		mg/L	1		6020A	Total Recoverable
Barium	0.13		0.0025		mg/L	1		6020A	Total Recoverable
Boron	0.29		0.050		mg/L	1		6020A	Total Recoverable
Copper	0.0026		0.0020		mg/L	1		6020A	Total Recoverable
Iron	0.17		0.10		mg/L	1		6020A	Total Recoverable
Lead	0.00071		0.00050		mg/L	1		6020A	Total Recoverable
Manganese	0.0083		0.0025		mg/L	1		6020A	Total Recoverable
Nickel	0.0023		0.0020		mg/L	1		6020A	Total Recoverable
Vanadium	0.0099		0.0050		mg/L	1		6020A	Total Recoverable
Sulfate	190		50		mg/L	10		9038	Total/NA
Chloride	180		10		mg/L	5		9251	Total/NA
Nitrogen, Nitrate	0.97		0.10		mg/L	1		Nitrate by calc	Total/NA
Total Dissolved Solids	810		10		mg/L	1		SM 2540C	Total/NA
Fluoride	0.46		0.10		mg/L	1		SM 4500 F C	Total/NA
Nitrogen, Nitrate Nitrite	0.97		0.10		mg/L	1		SM 4500 NO3 F	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

TestAmerica Job ID: 500-92582-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

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

Sample Summary

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

TestAmerica Job ID: 500-92582-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-92582-1	East Yard Run Off	Water	02/24/15 12:45	02/25/15 10:20

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

TestAmerica Job ID: 500-92582-1

Client Sample ID: East Yard Run Off

Lab Sample ID: 500-92582-1

Date Collected: 02/24/15 12:45

Matrix: Water

Date Received: 02/25/15 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00050		0.00050		mg/L			03/04/15 16:05	1
Toluene	<0.00050		0.00050		mg/L			03/04/15 16:05	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/04/15 16:05	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/04/15 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*75 - 125*		*03/04/15 16:05*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*03/04/15 16:05*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/04/15 16:05*	*1*
Dibromofluoromethane	*81*		*75 - 120*		*03/04/15 16:05*	*1*

Method: 314.0 - Perchlorate (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 21:30	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/02/15 15:00	03/04/15 13:37	1
Arsenic	**0.0033**		0.0010		mg/L		03/02/15 15:00	03/04/15 13:37	1
Barium	**0.13**		0.0025		mg/L		03/02/15 15:00	03/04/15 13:37	1
Beryllium	<0.0010		0.0010		mg/L		03/02/15 15:00	03/04/15 09:57	1
Boron	**0.29**		0.050		mg/L		03/02/15 15:00	03/04/15 09:57	1
Cadmium	<0.00050		0.00050		mg/L		03/02/15 15:00	03/04/15 13:37	1
Chromium	<0.0050		0.0050		mg/L		03/02/15 15:00	03/04/15 13:37	1
Cobalt	<0.0010		0.0010		mg/L		03/02/15 15:00	03/04/15 13:37	1
Copper	**0.0026**		0.0020		mg/L		03/02/15 15:00	03/04/15 13:37	1
Iron	**0.17**		0.10		mg/L		03/02/15 15:00	03/04/15 13:37	1
Lead	**0.00071**		0.00050		mg/L		03/02/15 15:00	03/09/15 13:29	1
Manganese	**0.0083**		0.0025		mg/L		03/02/15 15:00	03/09/15 13:29	1
Nickel	**0.0023**		0.0020		mg/L		03/02/15 15:00	03/04/15 13:37	1
Selenium	<0.0025		0.0025		mg/L		03/02/15 15:00	03/04/15 13:37	1
Silver	<0.00050		0.00050		mg/L		03/02/15 15:00	03/04/15 13:37	1
Thallium	<0.0020		0.0020		mg/L		03/02/15 15:00	03/09/15 13:29	1
Vanadium	**0.0099**		0.0050		mg/L		03/02/15 15:00	03/04/15 13:37	1
Zinc	<0.020		0.020		mg/L		03/02/15 15:00	03/04/15 13:37	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/02/15 12:30	03/03/15 12:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:48	1
Sulfate	**190**		50		mg/L			03/04/15 10:07	10
Chloride	**180**		10		mg/L			02/27/15 21:52	5
Nitrogen, Nitrate	**0.97**		0.10		mg/L			03/02/15 14:55	1
Total Dissolved Solids	**810**		10		mg/L			03/02/15 20:20	1
Fluoride	**0.46**		0.10		mg/L			03/02/15 16:24	1
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:35	1
Nitrogen, Nitrate Nitrite	**0.97**		0.10		mg/L			03/03/15 10:55	1

Qualifiers

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, 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)

GC/MS VOA

Analysis Batch: 278011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	8260B	
LCS 500-278011/4	Lab Control Sample	Total/NA	Water	8260B	
MB 500-278011/6	Method Blank	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 67436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	314.0	
500-92582-1 MS	East Yard Run Off	Total/NA	Water	314.0	
500-92582-1 MSD	East Yard Run Off	Total/NA	Water	314.0	
LCS 320-67436/7	Lab Control Sample	Total/NA	Water	314.0	
MB 320-67436/6	Method Blank	Total/NA	Water	314.0	
MRL 320-67436/5	Lab Control Sample	Total/NA	Water	314.0	

Metals

Prep Batch: 277719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	7470A	
LCS 500-277719/13-A	Lab Control Sample	Total/NA	Water	7470A	
MB 500-277719/12-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 277797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total Recoverable	Water	3005A	
LCS 500-277797/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
MB 500-277797/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 277926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	7470A	277719
LCS 500-277719/13-A	Lab Control Sample	Total/NA	Water	7470A	277719
MB 500-277719/12-A	Method Blank	Total/NA	Water	7470A	277719

Analysis Batch: 278058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total Recoverable	Water	6020A	277797
LCS 500-277797/2-A	Lab Control Sample	Total Recoverable	Water	6020A	277797
MB 500-277797/1-A	Method Blank	Total Recoverable	Water	6020A	277797

Analysis Batch: 278119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total Recoverable	Water	6020A	277797
LCS 500-277797/2-A	Lab Control Sample	Total Recoverable	Water	6020A	277797
MB 500-277797/1-A	Method Blank	Total Recoverable	Water	6020A	277797

Analysis Batch: 278815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total Recoverable	Water	6020A	277797

Metals (Continued)

Analysis Batch: 278815 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-277797/2-A	Lab Control Sample	Total Recoverable	Water	6020A	277797
MB 500-277797/1-A	Method Blank	Total Recoverable	Water	6020A	277797

General Chemistry

Analysis Batch: 277169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	SM 4500 NO2 B	
500-92582-1 MS	East Yard Run Off	Total/NA	Water	SM 4500 NO2 B	
500-92582-1 MSD	East Yard Run Off	Total/NA	Water	SM 4500 NO2 B	
LCS 500-277169/4	Lab Control Sample	Total/NA	Water	SM 4500 NO2 B	
MB 500-277169/3	Method Blank	Total/NA	Water	SM 4500 NO2 B	

Analysis Batch: 277574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	9251	
500-92582-1 MS	East Yard Run Off	Total/NA	Water	9251	
500-92582-1 MSD	East Yard Run Off	Total/NA	Water	9251	
LCS 500-277574/5	Lab Control Sample	Total/NA	Water	9251	
MB 500-277574/4	Method Blank	Total/NA	Water	9251	

Prep Batch: 277746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	9010B	
LCS 500-277746/2-A	Lab Control Sample	Total/NA	Water	9010B	
MB 500-277746/1-A	Method Blank	Total/NA	Water	9010B	

Analysis Batch: 277762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	Nitrate by calc	

Analysis Batch: 277806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	9014	277746
LCS 500-277746/2-A	Lab Control Sample	Total/NA	Water	9014	277746
MB 500-277746/1-A	Method Blank	Total/NA	Water	9014	277746

Analysis Batch: 277807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	SM 2540C	
500-92582-1 DU	East Yard Run Off	Total/NA	Water	SM 2540C	
500-92582-1 MS	East Yard Run Off	Total/NA	Water	SM 2540C	
LCS 500-277807/2	Lab Control Sample	Total/NA	Water	SM 2540C	
MB 500-277807/1	Method Blank	Total/NA	Water	SM 2540C	

Analysis Batch: 277859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	SM 4500 F C	
500-92582-1 MS	East Yard Run Off	Total/NA	Water	SM 4500 F C	
500-92582-1 MSD	East Yard Run Off	Total/NA	Water	SM 4500 F C	

General Chemistry (Continued)

Analysis Batch: 277859 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 500-277859/4	Lab Control Sample	Total/NA	Water	SM 4500 F C	
MB 500-277859/3	Method Blank	Total/NA	Water	SM 4500 F C	

Analysis Batch: 277898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	SM 4500 NO3 F	
LCS 500-277898/13	Lab Control Sample	Total/NA	Water	SM 4500 NO3 F	
MB 500-277898/12	Method Blank	Total/NA	Water	SM 4500 NO3 F	

Analysis Batch: 278069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-92582-1	East Yard Run Off	Total/NA	Water	9038	
LCS 500-278069/4	Lab Control Sample	Total/NA	Water	9038	
MB 500-278069/3	Method Blank	Total/NA	Water	9038	

Surrogate Summary

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

TestAmerica Job ID: 500-92582-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(75-125)	(75-120)	(75-120)	(75-120)
500-92582-1	East Yard Run Off	83	90	89	81
LCS 500-278011/4	Lab Control Sample	87	86	91	83
MB 500-278011/6	Method Blank	88	88	89	80

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane

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

Lab Sample ID: MB 500-278011/6
Matrix: Water
Analysis Batch: 278011

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			03/04/15 10:37	1
Toluene	<0.00050		0.00050		mg/L			03/04/15 10:37	1
Ethylbenzene	<0.00050		0.00050		mg/L			03/04/15 10:37	1
Xylenes, Total	<0.0010		0.0010		mg/L			03/04/15 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 125*		*03/04/15 10:37*	*1*
Toluene-d8 (Surr)	*88*		*75 - 120*		*03/04/15 10:37*	*1*
4-Bromofluorobenzene (Surr)	*89*		*75 - 120*		*03/04/15 10:37*	*1*
Dibromofluoromethane	*80*		*75 - 120*		*03/04/15 10:37*	*1*

Lab Sample ID: LCS 500-278011/4
Matrix: Water
Analysis Batch: 278011

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	0.0446		mg/L		89	75 - 120
Toluene	0.0500	0.0446		mg/L		89	75 - 120
Ethylbenzene	0.0500	0.0451		mg/L		90	75 - 120
Xylenes, Total	0.100	0.0886		mg/L		89	75 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*75 - 125*
Toluene-d8 (Surr)	*86*		*75 - 120*
4-Bromofluorobenzene (Surr)	*91*		*75 - 120*
Dibromofluoromethane	*83*		*75 - 120*

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MB 320-67436/6
Matrix: Water
Analysis Batch: 67436

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	<0.0040		0.0040		mg/L			03/04/15 20:59	1

Lab Sample ID: LCS 320-67436/7
Matrix: Water
Analysis Batch: 67436

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	0.0517		mg/L		103	85 - 115

Method: 314.0 - Perchlorate (IC) (Continued)

Lab Sample ID: MRL 320-67436/5
Matrix: Water
Analysis Batch: 67436

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits		
Perchlorate			4.00	<4.0		ug/L		98	75 - 125		

Lab Sample ID: 500-92582-1 MS
Matrix: Water
Analysis Batch: 67436

Client Sample ID: East Yard Run Off
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	0.0431		mg/L		86	80 - 120		

Lab Sample ID: 500-92582-1 MSD
Matrix: Water
Analysis Batch: 67436

Client Sample ID: East Yard Run Off
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	0.0462		mg/L		92	80 - 120	7	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 500-277797/1-A
Matrix: Water
Analysis Batch: 278058

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.0010		0.0010		mg/L		03/02/15 15:00	03/04/15 09:55	1
Boron	<0.050		0.050		mg/L		03/02/15 15:00	03/04/15 09:55	1

Lab Sample ID: MB 500-277797/1-A
Matrix: Water
Analysis Batch: 278119

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.0030		0.0030		mg/L		03/02/15 15:00	03/04/15 12:57	1
Arsenic	<0.0010		0.0010		mg/L		03/02/15 15:00	03/04/15 12:57	1
Barium	<0.0025		0.0025		mg/L		03/02/15 15:00	03/04/15 12:57	1
Cadmium	<0.00050		0.00050		mg/L		03/02/15 15:00	03/04/15 12:57	1
Chromium	<0.0050		0.0050		mg/L		03/02/15 15:00	03/04/15 12:57	1
Cobalt	<0.0010		0.0010		mg/L		03/02/15 15:00	03/04/15 12:57	1
Copper	<0.0020		0.0020		mg/L		03/02/15 15:00	03/04/15 12:57	1
Iron	<0.10		0.10		mg/L		03/02/15 15:00	03/04/15 12:57	1
Nickel	<0.0020		0.0020		mg/L		03/02/15 15:00	03/04/15 12:57	1
Selenium	<0.0025		0.0025		mg/L		03/02/15 15:00	03/04/15 12:57	1
Silver	<0.00050		0.00050		mg/L		03/02/15 15:00	03/04/15 12:57	1
Vanadium	<0.0050		0.0050		mg/L		03/02/15 15:00	03/04/15 12:57	1
Zinc	<0.020		0.020		mg/L		03/02/15 15:00	03/04/15 12:57	1

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

Lab Sample ID: MB 500-277797/1-A
Matrix: Water
Analysis Batch: 278815

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00050		0.00050		mg/L		03/02/15 15:00	03/09/15 12:26	1
Manganese	<0.0025		0.0025		mg/L		03/02/15 15:00	03/09/15 12:26	1
Thallium	<0.0020		0.0020		mg/L		03/02/15 15:00	03/09/15 12:26	1

Lab Sample ID: LCS 500-277797/2-A
Matrix: Water
Analysis Batch: 278058

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.0500	0.0465		mg/L		93	80 - 120
Boron	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: LCS 500-277797/2-A
Matrix: Water
Analysis Batch: 278119

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.500	0.470		mg/L		94	80 - 120
Arsenic	0.100	0.0974		mg/L		97	80 - 120
Barium	0.500	0.504		mg/L		101	80 - 120
Cadmium	0.0500	0.0503		mg/L		101	80 - 120
Chromium	0.200	0.209		mg/L		104	80 - 120
Cobalt	0.500	0.541		mg/L		108	80 - 120
Copper	0.250	0.271		mg/L		108	80 - 120
Iron	1.00	1.04		mg/L		104	80 - 120
Nickel	0.500	0.551		mg/L		110	80 - 120
Selenium	0.100	0.0856		mg/L		86	80 - 120
Silver	0.0500	0.0585		mg/L		117	80 - 120
Vanadium	0.500	0.520		mg/L		104	80 - 120
Zinc	0.500	0.462		mg/L		92	80 - 120

Lab Sample ID: LCS 500-277797/2-A
Matrix: Water
Analysis Batch: 278815

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 277797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	0.100	0.101		mg/L		101	80 - 120
Manganese	0.500	0.504		mg/L		101	80 - 120
Thallium	0.100	0.107		mg/L		107	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 500-277719/12-A
Matrix: Water
Analysis Batch: 277926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 277719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		03/02/15 12:30	03/03/15 11:42	1

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

Lab Sample ID: LCS 500-277719/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277926 — **Prep Batch: 277719**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00200	0.00220		mg/L		110	80 - 120

Method: 9014 - Cyanide

Lab Sample ID: MB 500-277746/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277806 — **Prep Batch: 277746**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.010		0.010		mg/L		03/02/15 14:10	03/02/15 20:40	1

Lab Sample ID: LCS 500-277746/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277806 — **Prep Batch: 277746**

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

Method: 9038 - Sulfate, Turbidimetric

Lab Sample ID: MB 500-278069/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 278069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<5.0		5.0		mg/L			03/04/15 10:04	1

Lab Sample ID: LCS 500-278069/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 278069

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

Method: 9251 - Chloride

Lab Sample ID: MB 500-277574/4 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 277574

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<2.0		2.0		mg/L			02/27/15 21:11	1

Method: 9251 - Chloride (Continued)

Lab Sample ID: LCS 500-277574/5
Matrix: Water
Analysis Batch: 277574

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: 500-92582-1 MS
Matrix: Water
Analysis Batch: 277574

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	180		50.0	214	F1	mg/L		70	75 - 125		

Lab Sample ID: 500-92582-1 MSD
Matrix: Water
Analysis Batch: 277574

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	180		50.0	215	F1	mg/L		73	75 - 125	1	20

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

Lab Sample ID: MB 500-277807/1
Matrix: Water
Analysis Batch: 277807

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			03/02/15 20:00	1

Lab Sample ID: LCS 500-277807/2
Matrix: Water
Analysis Batch: 277807

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	268		mg/L		107	80 - 120		

Lab Sample ID: 500-92582-1 MS
Matrix: Water
Analysis Batch: 277807

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids	810		250	1040		mg/L		93	75 - 125		

Lab Sample ID: 500-92582-1 DU
Matrix: Water
Analysis Batch: 277807

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	810		832		mg/L		2	5

Method: SM 4500 F C - Fluoride

Lab Sample ID: MB 500-277859/3
Matrix: Water
Analysis Batch: 277859

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			03/02/15 16:19	1

Lab Sample ID: LCS 500-277859/4
Matrix: Water
Analysis Batch: 277859

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride			10.0	10.2		mg/L		102	80 - 120		

Lab Sample ID: 500-92582-1 MS
Matrix: Water
Analysis Batch: 277859

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	0.46		5.00	5.34		mg/L		98	75 - 125		

Lab Sample ID: 500-92582-1 MSD
Matrix: Water
Analysis Batch: 277859

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	0.46		5.00	5.39		mg/L		99	75 - 125	1	20

Method: SM 4500 NO2 B - Nitrogen, Nitrite

Lab Sample ID: MB 500-277169/3
Matrix: Water
Analysis Batch: 277169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrite	<0.020		0.020		mg/L			02/25/15 11:34	1

Lab Sample ID: LCS 500-277169/4
Matrix: Water
Analysis Batch: 277169

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	0.109		mg/L		109	80 - 120		

Lab Sample ID: 500-92582-1 MS
Matrix: Water
Analysis Batch: 277169

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrogen, Nitrite	<0.020		0.100	0.0960		mg/L		89	75 - 125		

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

Lab Sample ID: 500-92582-1 MSD
Matrix: Water
Analysis Batch: 277169

Client Sample ID: East Yard Run Off
Prep Type: Total/NA

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	0.0958		mg/L		89	75 - 125	0	20

Method: SM 4500 NO3 F - Nitrogen, Nitrate

Lab Sample ID: MB 500-277898/12
Matrix: Water
Analysis Batch: 277898

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			03/03/15 10:51	1

Lab Sample ID: LCS 500-277898/13
Matrix: Water
Analysis Batch: 277898

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	1.14		mg/L		114	80 - 120

Lab Chronicle

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

TestAmerica Job ID: 500-92582-1

Client Sample ID: East Yard Run Off

Lab Sample ID: 500-92582-1

Date Collected: 02/24/15 12:45

Matrix: Water

Date Received: 02/25/15 10:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	278011	03/04/15 16:05	PMF	TAL CHI
Total/NA	Analysis	314.0		1	67436	03/04/15 21:30	LW1	TAL SAC
Total Recoverable	Prep	3005A			277797	03/02/15 15:00	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	278058	03/04/15 09:57	MJP	TAL CHI
Total Recoverable	Prep	3005A			277797	03/02/15 15:00	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	278119	03/04/15 13:37	MJP	TAL CHI
Total Recoverable	Prep	3005A			277797	03/02/15 15:00	PJH	TAL CHI
Total Recoverable	Analysis	6020A		1	278815	03/09/15 13:29	MJP	TAL CHI
Total/NA	Prep	7470A			277719	03/02/15 12:30	RLL	TAL CHI
Total/NA	Analysis	7470A		1	277926	03/03/15 12:41	RLL	TAL CHI
Total/NA	Prep	9010B			277746	03/02/15 14:10	ELR	TAL CHI
Total/NA	Analysis	9014		1	277806		ELR	TAL CHI
					(Start)	03/02/15 20:48		
					(End)	03/02/15 20:48		
Total/NA	Analysis	9038		10	278069		CLB	TAL CHI
					(Start)	03/04/15 10:07		
					(End)	03/04/15 10:08		
Total/NA	Analysis	9251		5	277574	02/27/15 21:52	HMW	TAL CHI
Total/NA	Analysis	Nitrate by calc		1	277762	03/02/15 14:55	AJR	TAL CHI
Total/NA	Analysis	SM 2540C		1	277807	03/02/15 20:20	CLB	TAL CHI
Total/NA	Analysis	SM 4500 F C		1	277859	03/02/15 16:24	EAT	TAL CHI
Total/NA	Analysis	SM 4500 NO2 B		1	277169		MTB	TAL CHI
					(Start)	02/25/15 11:35		
					(End)	02/25/15 11:35		
Total/NA	Analysis	SM 4500 NO3 F		1	277898	03/03/15 10:55	AJR	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

Certification Summary

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

TestAmerica Job ID: 500-92582-1

Laboratory: TestAmerica Chicago

The certifications listed below are applicable to this report.

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

Laboratory: TestAmerica Sacramento

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

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-15
Arkansas DEQ	State Program	6	88-0691	06-17-15
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-15
Connecticut	State Program	1	PH-0691	06-30-15
Florida	NELAP	4	E87570	06-30-15
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-15
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-15
New Jersey	NELAP	2	CA005	06-30-15
New York	NELAP	2	11666	04-01-15
Oregon	NELAP	10	CA200005	01-29-16
Oregon	NELAP Secondary AB	10	E87570	06-30-15
Pennsylvania	NELAP	3	9947	03-31-15
Texas	NELAP	6	T104704399-08-TX	05-31-15
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Washington	State Program	10	C581	05-05-15
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

* Certification renewal pending - certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-92582 COC

(optional)

Report To
Contact: RICH GNAT
Company: KPRG & ASSOCIATES INC
Address: 14665 W. LISBON RD, 2B
Address: BROOKFIELD, WI
Phone: 262-781-0475
Fax:
E-Mail:

(optional)

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

Chain of Custody Record

Lab Job #: 500-92582
Chain of Custody Number:
Page ____ of ____
Temperature °C of Cooler: 2.6

Client: KPRG & ASSOCIATES INC	Client Project #: 12313.1
Project Name: POWERTON STATION ASH PONDS	
Project Location/State: PEKIN, ILLINOIS	Lab Project #: 5000 8027
Sampler: T.S. HOWESON	Lab PM: B. STRACKMAN

Preservative
Parameter
NO2

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. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	NO2	Comments
1		EAST YARD RUN OFF	2/24/15	12:45	1	W	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date: _____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	KPRG	2/24/15	18:00	[signature]	TA-CHI	2/25/15	1020
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier
Shipped: Fed-X
Hand Delivered

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

500-92582 COC

merica
THE LEADER IN ENVIRONMENTAL TESTING

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

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

Lab Lot # 500-92582

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

Temperature °C of Cooler 3.6

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

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

Sampler Name:	Client Project #	Refrg #													
Ian John Howieson	12313.1	# / Cont.													
Project Name:	**TestAmerica Project Number:**	Volume													
Powerton Station Ash Ponds	50008027	Preserv.													
Project Location:	**Date Required**														
Pekin, IL	Hard Copy: ____/____/____														
Lab PM: Bonnie Stadelmann	Fax: ____/____/____														

Laboratory ID	MS-MSD	Client Sample ID	Sampling Date	Sampling Time	Matrix:	# OF Containers	18 Metals + Hg, dissolved	Cl, TDS, SO4, Fl, dissolved	NO2, dissolved	NO3+NO2, dissolved	Cyanide, dissolved	BTEX	Perchlorate	Radium 226	Radium 228		Additional Analyses / Remarks
1		EAST YARD RUN OFF	2/24/2015	12:45	W	8	X	X	X	X	X	X	X				

RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY:	DATE:	TIME:
	KPRG	2-27-15	11:55		TAL	02/27/15	1155
RELINQUISHED BY:	COMPANY:	DATE:	TIME:	RECEIVED BY:	COMPANY	DATE:	TIME:

Matrix Key

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

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

Preservative Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. Cool to 4°
7. None

COMMENTS:

Date Received 2,27,15
Courier:
Hand Delivered X
Bill of Lading:

PAGE 3 of 3

STL-8208 (0600)

West Sacramento	
State, Zip CA, 95605	
Phone 916-373-5600(Tel) 916-372-1059(Fax)	PO #
Email,	WO #
Project Name Powerton Station Ash Ponds	Project # 50008027
Site Ian John Howieson	SSOW#

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	314.0/ Perchlorate
			Preservation Code.				
East Yard Run Off (500-92582-1)	2/24/15	12:45 Central		Water			X

Possible Hazard Identification

Unconfirmed

Sample Disposal (A fee may be assessed if samples are re

☐ *Return To Client* ☐ *Disposal By Lab* ☐ A

Deliverable Requested. I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by:	Date/Time: 2-26
Relinquished by	Date/Time	Company	Received by.	Date/Time:
Relinquished by.	Date/Time	Company	Received by	Date/Time

Custody Seals Intact Δ Yes Δ No	Custody Seal No. 447460	Cooler Temperature(s) °C and Other Remarks 1.5°C

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-92582-1

Login Number: 92582

List Number: 1

Creator: Scott, Sherri L

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6,3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: KPRG and Associates, Inc.

Job Number: 500-92582-1

Login Number: 92582
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 02/28/15 02:08 PM

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