May 15, 2020

Mr. Todd Hall
Illinois Environmental Protection Agency
Bureau of Land - Remedial Project Management Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

Re: Groundwater Monitoring Update – Quarter 1 2020 Sampling Event
Champaign Former Manufactured Gas Plant, Champaign, Illinois

Dear Mr. Hall:

Ameren Illinois (Ameren) is providing this Champaign Groundwater Monitoring report for the former manufactured gas plant (MGP) site located at 308 N. 5th Street in Champaign, Illinois to the Illinois Environmental Protection Agency (IEPA). This groundwater monitoring summary report was prepared by Environmental Resources Management (ERM) on behalf of Ameren.

Attachment 1 to this letter is the groundwater monitoring summary report for the first quarter of 2020, which was performed in February 2020. This report discusses the analytical results of the quarterly groundwater monitoring event. Additional groundwater monitoring events are scheduled to be performed each quarter in 2020.

Ameren appreciates your assistance and cooperation as we proceed with this project. If you have any questions regarding the responses provided, or need additional information, please feel free to contact me.

Respectfully,

Dave Palmer, PG, PMP, EVMP
Manager, Remediation Projects
Ameren - Environmental Strategy & Analysis
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Attachment 1

Attachment 1

Groundwater Monitoring Summary – Quarter 1 2020 – Champaign MGP

ERM

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May 14, 2020

Mr. Todd Hall
Illinois Environmental Protection Agency
Division of Remediation Management
1021 North Grand Ave East
P.O. Box 19276
Springfield, IL 62794-9276

Subject: Groundwater Monitoring Summary
First Quarter 2020 Sampling Event
Champaign Former MGP Site, Champaign, Illinois

Dear Mr. Hall:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the first quarter 2020 groundwater sampling event at the Champaign Former Manufactured Gas Plant Site (Site), located at 308 N. 5th Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted in February 2020.

INTRODUCTION

Groundwater sampling activities for the first quarter 2020 monitoring event were conducted from February 10 through 12. During the sampling event, groundwater samples were collected from 28 monitoring wells, which include seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on February 10th, prior to initiation of sampling activities. Groundwater was purged from the monitoring wells using the dedicated bladder pumps until water quality instrumentation indicated that measured parameters had stabilized. Upon stabilization, water samples were collected in containers provided by the laboratory, and placed in ice-filled coolers pending delivery to the analytical laboratory.

Groundwater samples were analyzed for the following MGP-related compounds: the volatile organic compounds benzene, toluene, ethylbenzene, and total xylenes (BTEX); polynuclear aromatic hydrocarbons (PAHs); total cyanide; and total RCRA metals. Laboratory analytical services were provided by Teklab, Inc. (Teklab) of Collinsville, Illinois.

Groundwater level measurement data for the first quarter 2020 included the depth to water below each well's top of casing, and calculated groundwater elevation. Groundwater elevation contour maps for the shallow monitoring zone (100 series wells) and the intermediate depth unit (300 series wells) are provided on Figures 1 and 2, respectively.

The analytical results for groundwater samples collected during this event are summarized in Table 2. The concentrations reported in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater remedial objective (RO) are

highlighted. The monitoring well locations where sample results exceeded a RO are also shown on Figure 3. The laboratory analytical reports prepared by Teklab are provided in Attachment 1.

Quality assurance samples collected during the event included duplicates, matrix spike and matrix spike duplicates, an equipment blank, and a trip blank. Blind duplicates were collected from shallow monitoring well locations UMW-124 and UMW-126, and from intermediate monitoring well location UMW-302. The three duplicate samples were identified on the chain of custody and laboratory analytical report as DUP 001 through DUP 003. Duplicate sample results are shown on Table 2 adjacent to the primary samples. A summary of the results of data validation is also included with the analytical report in Attachment 1.

Purge water that was collected from the monitoring wells during the first quarter 2020 groundwater sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the February groundwater sampling event. This purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on February 12th 2020, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured depths to groundwater and elevations at the Champaign Site for the February 2020 sampling event are shown on Table 1. The depth to groundwater in the shallow monitoring wells ranged from 1.19 to 7.61 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 1.19 to 3.39 feet BLS.

As shown on Figure 1, the shallow groundwater at the Site flows in a radial pattern from the Site. This groundwater flow pattern is consistent with historical groundwater level surveys conducted at the Site. The groundwater gradients for the shallow groundwater zone during February 2020 were calculated to be 0.025 (UMW-124 to UMW-105), 0.015 (UMW-124 to UMW-116), and 0.017 (UMW-125 to UMW-109) foot per foot (ft/ft). This range of values reflects the general gradients to the south, west and north from the Site.

The depths to groundwater in the nine intermediate monitoring wells, which monitor the intermediate groundwater unit, ranged from 26.35 to 28.99 feet BLS. As shown on Figure 2, the intermediate groundwater flow direction generally slopes towards the south and southeast, with a groundwater gradient of approximately 0.0013 ft/ft across the Site from UMW-300 to UMW-308.

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples collected during the February 2020 sampling event exceeded at least one Class I or Class II ingestion RO, or inhalation groundwater RO. The shallow groundwater unit is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Three of the 28 monitoring wells sampled in the first quarter 2020 had at least one MGP-related constituent exceeding a respective Class I or II ingestion, or inhalation RO.

The concentrations measured in samples submitted for analysis of the eight RCRA metals and cyanide were all below their respective groundwater RO.

Monitoring well locations where concentrations of organic constituents (BTEX or PAHs) from the February sampling event exceeded their respective RO included shallow monitoring wells UMW-124 and UMW-126, and intermediate well UMW-302. Benzene concentrations of 0.133 mg/L and 0.118 mg/L were reported in shallow on-site monitoring wells UMW-124 and UMW-126, respectively, which exceed the Class II groundwater RO of 0.025 mg/L and the inhalation RO of 0.11 mg/L. Concentrations of other organic constituents measured in the other seventeen shallow monitoring wells located on-site or off-site were below their respective Class II RO.

Benzene, ethylbenzene, and naphthalene were reported in samples collected from intermediate well UMW-302, at concentrations of 0.391, 0.863, and 2.42 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.7, and 0.14 mg/L. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceed the groundwater (vapor) inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet below land surface, and is separated by over 20 vertical feet of silty clay from the overlying shallow groundwater monitored in the co-located shallow well UMW-121. Of the nine intermediate monitoring wells screened in the lower groundwater source, UMW-302 is the only intermediate well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

Data Validation

A summary of the results of data validation is included with the analytical report in Attachment 1. ERM reviewed analytical data from the first quarter 2020 groundwater sampling event for compliance with quality assurance/quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples. Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-124-WG-20200212, UMW-126-WG-20200212, UMW-300-WG-20200212, UMW-302-WG-20200212, DUP-001-WG-20200212, and DUP 003-WG-20200212).

The results of the data validation indicated that data from the first quarter 2020 groundwater sampling event did not require modification, other than addition of qualifiers. Laboratory preparation for PAH analysis in samples UMW-127-WG-20200212, UMW-307-WG-20200211, UMW-308-WG-20200212, DUP 001-WG-20200212 (UMW-124), DUP 002-WG-20200212 (UMW-126), and DUP 003-WG-20200212 (UMW-302) were performed two to three days past the seven day holding time due to a spiking error during initial sample preparation. The results have been qualified by ERM as estimates (J for detected PAHs and UJ for non-detected PAHs). The data validation memorandum also discussed method blank contamination, a high laboratory control sample recovery, high matrix spike recoveries and relative percent differences, a high surrogate recovery, and quality control sample results that exceeded an instrument calibration range; however, the validation process determined that these issues had no effect on data quality and no validation qualifiers were applied. The laboratory qualifiers applied for these issues are therefore not displayed in Table 2. There were no numerical changes to the data as a result of the data validation. All of the data, including qualified data, can be used for decision-making purposes. However, the limitations indicated by the applied qualifiers should be considered when using the data.

CONCLUSIONS

Based on the data collected during the February sampling event, on-site monitoring wells UMW-124 and UMW-126 were the only shallow monitoring wells where concentrations were detected in samples that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in these samples that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (cyanide or metals) constituents were exceeded in samples collected from the other monitoring wells screened in the shallow groundwater unit.

The intermediate groundwater unit had confirmed detections in one monitoring well location which exceeded groundwater ROs: monitoring well UMW-302, located south of the Site. Benzene, ethylbenzene, and naphthalene were reported in UMW-302 at concentrations exceeding the Class I groundwater ingestion ROs and the groundwater inhalation ROs for indoor air.

The next quarterly groundwater sampling event is scheduled to be completed in April 2020. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Gregory Moore, PE
Project Engineer

Tom H. Stiegemeier, P.E.
Principal Consultant

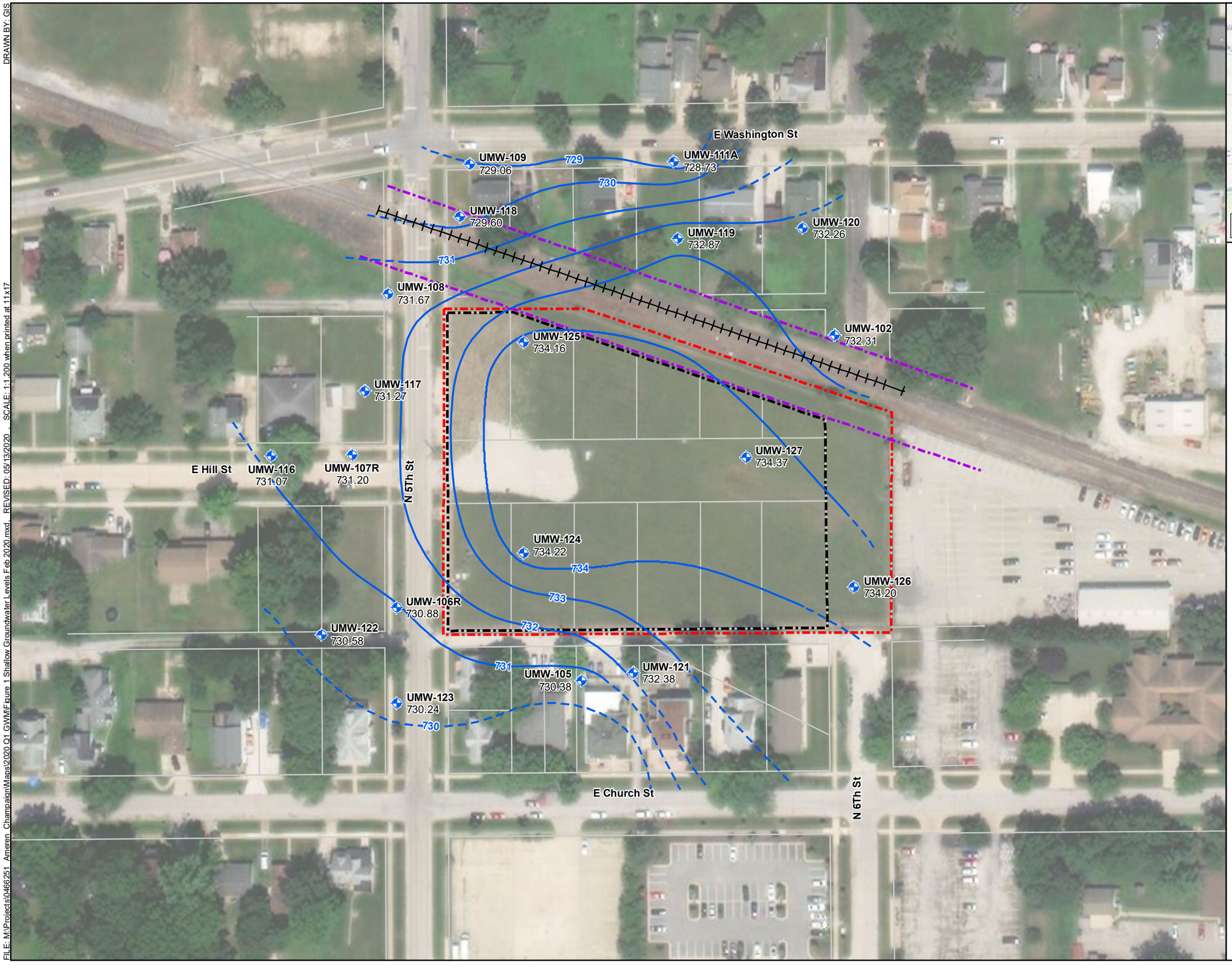
Attachments

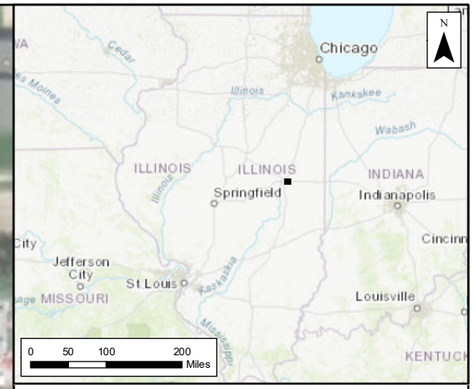
Figure 1 Shallow Groundwater Elevation Contours
Figure 2 Intermediate Groundwater Elevation Contours
Figure 3 Class I and II Groundwater RO Exceedances
Figure 4 Graphs of Concentration versus Time for Selected Monitoring Well Locations

Table 1 Groundwater Elevation Data
Table 2 Summary of Analytical Results
Table 3 Analytical Result by Parameter

Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures





Legend

- Shallow Monitoring Well with February 10 2020 Groundwater Elevation
- February 10 2020 Water Table Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 100 200
Feet

Figure 1
Shallow Groundwater Elevation Contours
February 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
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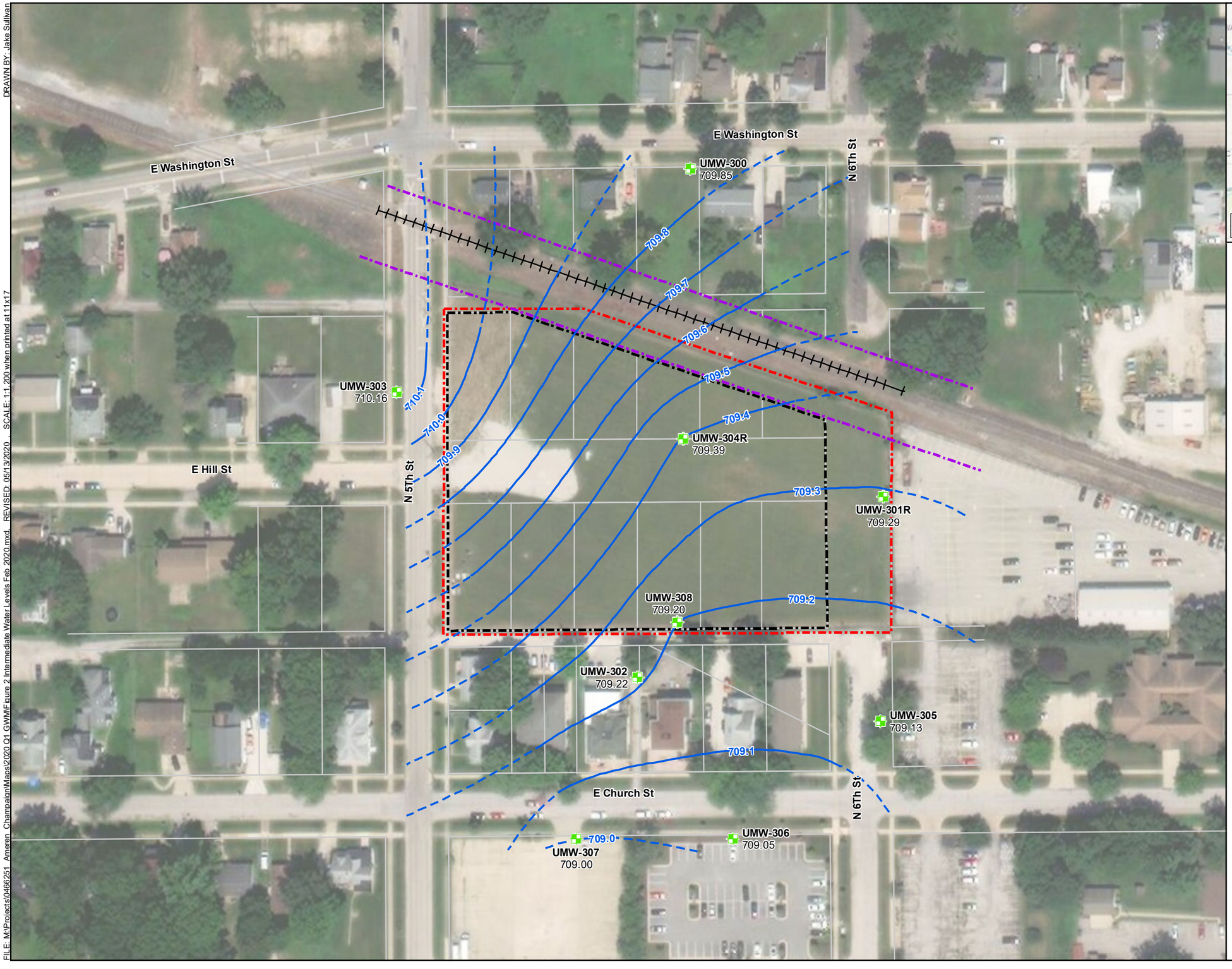

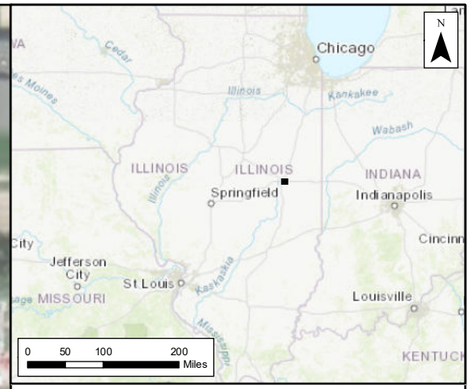

Legend

- Intermediate Monitoring Well with February 10 2020 Groundwater Elevation
- February 10 2020 Potentiometric Surface Contour)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 100 200
Feet

Figure 2
Intermediate Groundwater Elevation Contours
February 2020
Ameren Services
Champaign, Illinois

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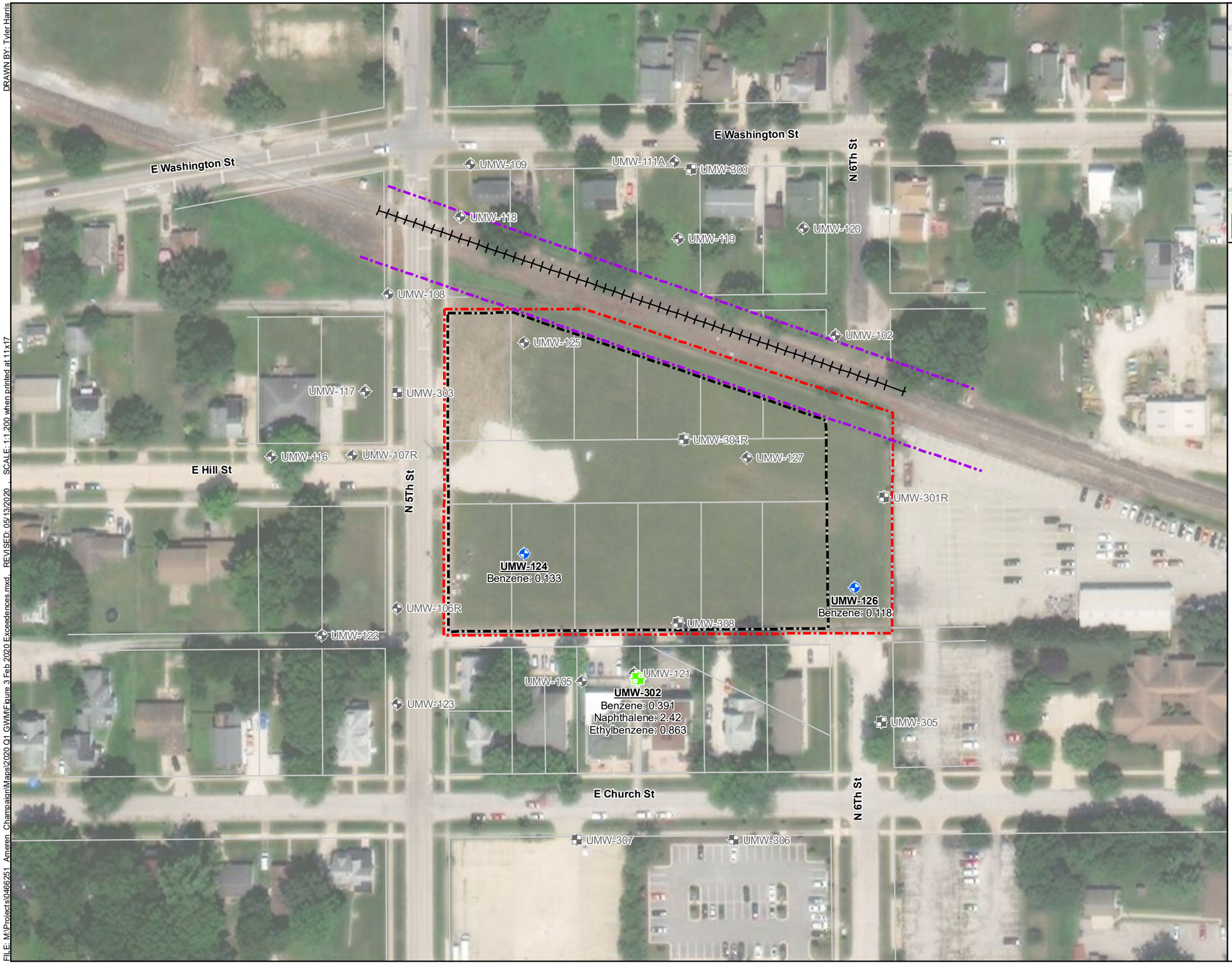
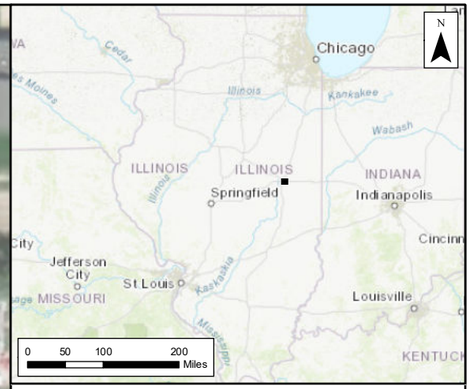




Legend

- Intermediate Monitoring Well with Exceedance
- Shallow Monitoring Well with Exceedance
- Shallow Monitoring Well with No Exceedances
- Intermediate Monitoring Well with No Exceedences
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All results in milligrams per liter (mg/L).
Only results that exceeded the Class I (Intermediate) or Class II (Shallow or Intermediate) Groundwater ROs are listed.

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
February 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: Tyler Harris

FILE: M:\Projects\0466251_Ameren_Champaign\Maps\2020 Q1 GWMP\Figure 3 Feb 2020 Exceedences.mxd, REVISED: 05/13/2020, SCALE: 1:1,200 when printed at 11x17

FIGURE 4A
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

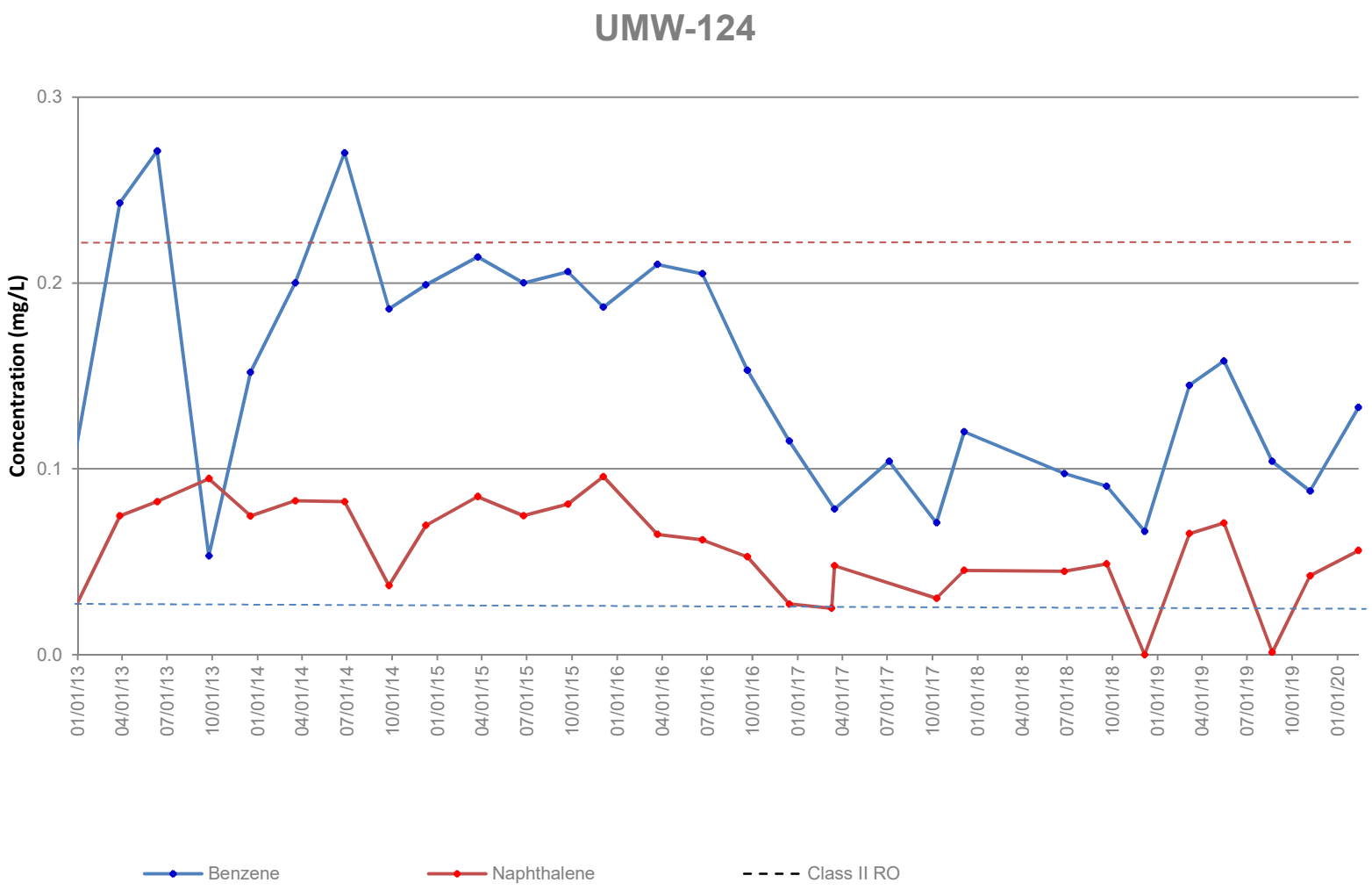


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

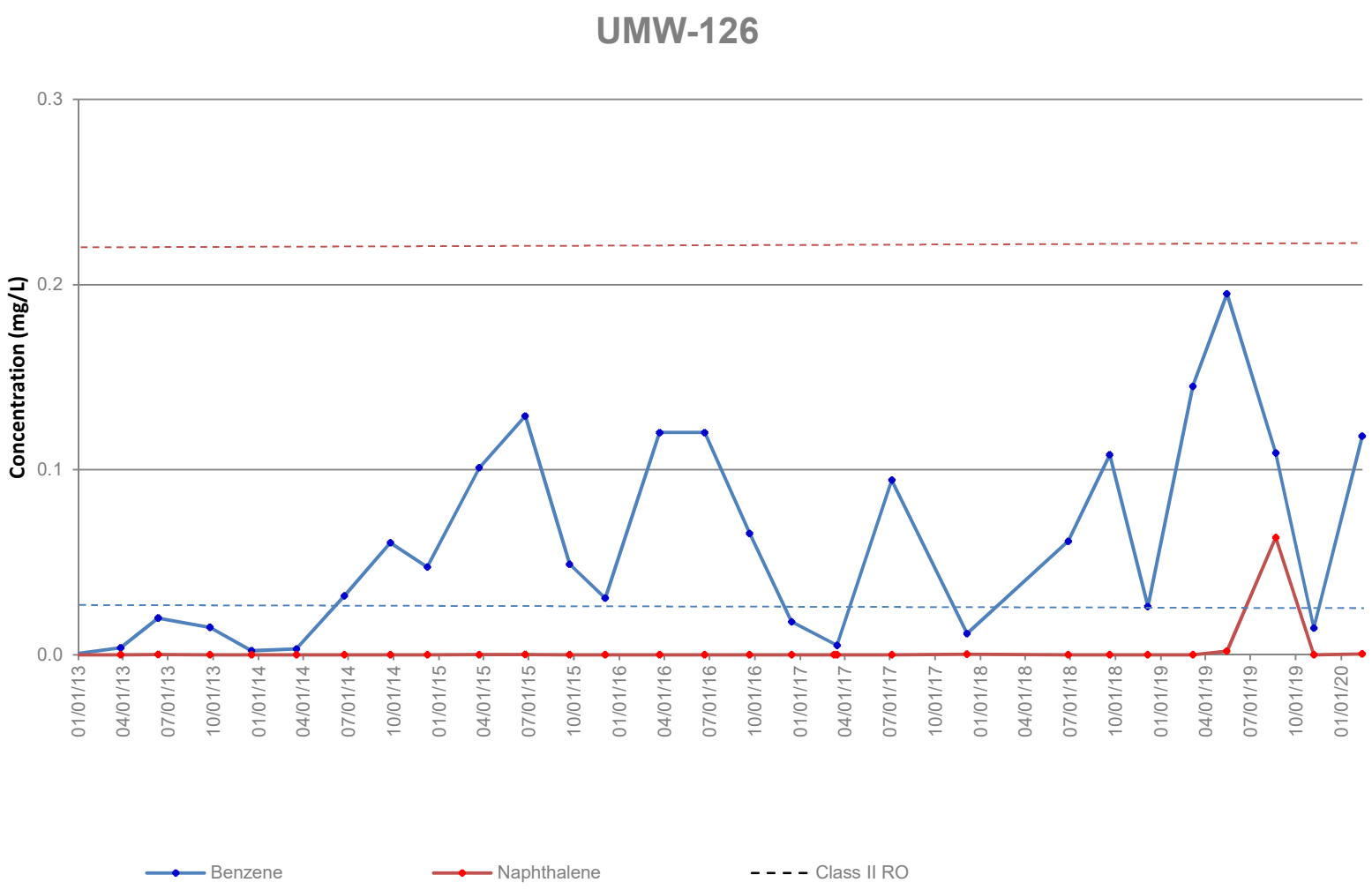
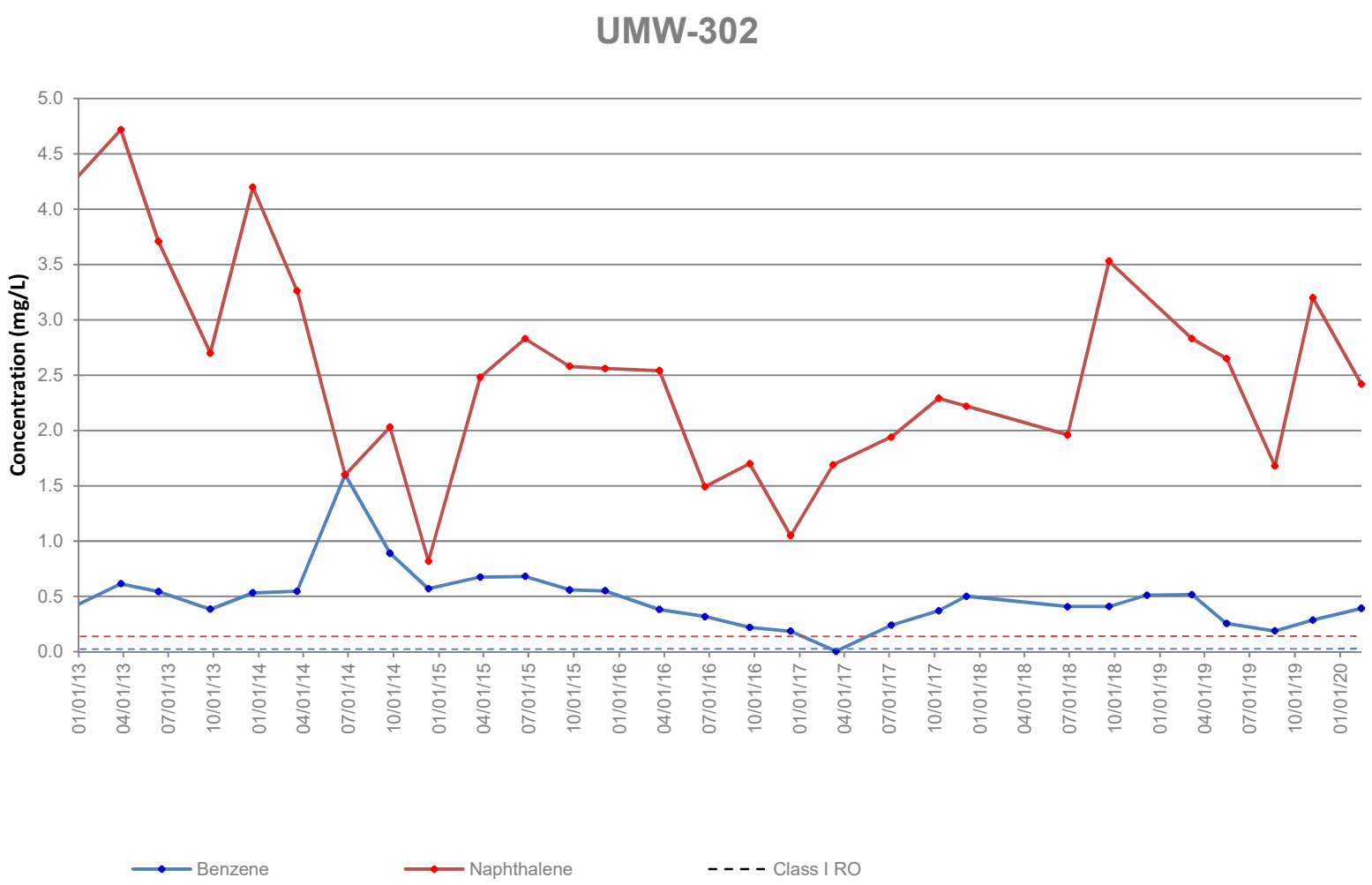


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1
Groundwater Elevation Data
February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval (feet BLS)	Pump Intake Depth + (feet BLS)	Elevation (feet NAVD88)		10-Feb-20		Feb-20	
				Top of Casing (TOC)	Land Surface (LS)	WL Below TOC (feet)	Elevation (feet NAVD88)	Purge Vol (Gallons)	Flow Rate (mL/min)
UMW-102	22.00	6.70 - 22.0	17	736.95	737.33	4.64	732.31	3.00	200
UMW-105	19.70	9.50 - 19.70	17	736.96	737.33	6.58	730.38	2.25	200
UMW-106R	17.00	7.00 - 17.00	15	736.81	737.06	5.93	730.88	3.25	160
UMW-107R	19.70	9.50 - 19.70	17.7	736.51	736.93	5.31	731.20	3.00	200
UMW-108	15.00	4.80 - 15.00	13	736.49	736.73	4.82	731.67	2.25	140
UMW-109	20.00	10.00 - 20.00	18	734.74	735.13	5.68	729.06	3.50	40
UMW-111A	22.80	9.00 - 22.80	17	736.34	736.63	7.61	728.73	2.75	100
UMW-116	20.00	10.00 - 20.00	18	735.86	736.13	4.79	731.07	2.50	160
UMW-117	15.00	5.00 - 15.00	13	737.16	737.44	5.89	731.27	2.00	200
UMW-118	15.00	5.00 - 15.00	13	735.83	736.06	6.23	729.60	2.75	250
UMW-119	15.00	5.00 - 15.00	13	736.43	736.72	3.56	732.87	3.00	200
UMW-120	15.00	5.00 - 15.00	13	736.65	737.16	4.39	732.26	2.00	320
UMW-121	15.00	5.00 - 15.00	13	738.09	738.43	5.71	732.38	2.25	180
UMW-122	19.75	5.00 - 15.00	13	738.78	739.07	8.20	730.58	3.00	120
UMW-123	15.89	5.89 - 15.89	13.9	736.87	737.16	6.63	730.24	1.75	100
UMW-124 *	15.27	4.97 - 15.02	13.3	736.73	736.91	2.51	734.22	3.00	180
UMW-125 *	15.33	5.06 - 15.11	13.1	737.55	737.68	3.39	734.16	2.00	400
UMW-126 *	15.40	5.13 - 15.18	13.4	736.01	736.18	1.81	734.20	2.25	300
UMW-127 *	15.38	5.11 - 15.16	13.4	735.56	735.77	1.19	734.37	2.75	300
UMW-300	45.00	35.00 - 45.00	42	736.20	736.42	26.35	709.85	3.50	340
UMW-301R *	46.65	36.50 - 46.05	44	735.74	735.83	26.45	709.29	3.50	440
UMW-302	45.00	35.00 - 45.00	43	738.21	738.51	28.99	709.22	2.75	480
UMW-303	45.00	35.00 - 45.00	43	736.68	737.01	26.52	710.16	3.75	450
UMW-304R *	46.16	36.01 - 45.56	44	736.11	736.35	26.72	709.39	3.50	320
UMW-305	45.00	35.00 - 45.00	43	737.14	737.37	28.01	709.13	3.00	440
UMW-306	47.00	37.00 - 47.00	45	736.53	736.81	27.48	709.05	3.25	460
UMW-307	47.00	37.00 - 47.00	44	736.55	736.82	27.55	709.00	3.50	380
UMW-308 *	45.29	35.14 - 44.69	42.7	736.84	737.02	27.64	709.20	3.50	400

Notes:

*	Onsite monitoring well location
R	Replacement monitoring well.
BLS	Below land surface.
NAVD88	North American Vertical Datum of 1988
+	Depth of the inlet of the pump

TABLE 2
Summary of Analytical Results
February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

				Location Group	Shallow Wells (Class 2 Groundwater Ingestion)									
				Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118
				Sample Date	2/10/2020	2/12/2020	2/12/2020	2/11/2020	2/11/2020	2/11/2020	2/11/2020	2/11/2020	2/11/2020	2/11/2020
				Sample Type	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION											
pH				6.84	7.27	7.29	7.28	6.97	7.26	7.40	7.25	7.04	6.91
Specific Conductance (µS/cm)				930	1220	1310	3108	860	2693	1420	1130	467	1112
Temperature (°C)				12.4	12.0	9.8	13.0	11.7	11.7	10.5	12.2	10.6	11.5
ORP (mV)				1.4	-10	2.9	-117.8	-17.4	-27.4	-0.3	9.1	0.8	129.1
Dissolved Oxygen (mg/L)				2.39	3.07	7.18	0.01	3.11	1.71	4.21	2.26	6.02	0.45
Turbidity (NTU)				1.07	4.07	1.13	13.8	2.15	2.22	0.24	0.97	7.58	12.7
01 - BTEX, mg/L														
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
02 - PAH, mg/L														
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Fluoranthene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluorene	0.28	1.4	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Naphthalene	0.14	0.22	**0.075**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Phenanthrene	0.21	1.05	NS	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
03 - General Chemistry, mg/L														
Cyanide CN-	0.2	0.6	NS	< 0.005	0.037	0.014	0.342	0.025	0.019	< 0.005	< 0.005	< 0.005	0.028
04 - Metals, mg/L														
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0642	0.0531	0.0882	0.137	0.133	0.0970	0.0503	0.0822	0.0999	0.107
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0306	< 0.0050	0.0152	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection
The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
mg/L = milligrams per liter
Qualifiers:
J = Estimated detected result
UJ = Non-detect, estimated report limit
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

TABLE 2
Summary of Analytical Results
February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

				Location Group	Shallow Wells (Class 2 Groundwater Ingestion)										
				Location ID	UMW-119	UMW-120	UMW-121	UMW-122	UMW-123	UMW-124	DUP 001	UMW-125	UMW-126	DUP 002	UMW-127
				Sample Date	2/11/2020	2/10/2020	2/12/2020	2/11/2020	2/12/2020	2/12/2020	2/12/2020	2/12/2020	2/12/2020	2/12/2020	2/12/2020
				Sample Type	N	N	N	N	N	N	FD	N	N	FD	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION												
pH				7.14	7.51	7.05	7.00	7.25	11.27	-	8.81	8.01	-	12.52
Specific Conductance (µS/cm)				1133	460	760	2983	1449	800	-	5497	3493	-	5664
Temperature (°C)				10.4	10.2	9.9	10.5	8.6	8.6	-	8.4	9.6	-	7.7
ORP (mV)				146.5	-7.2	-2.7	205.9	199.2	19.7	-	207.7	-170.5	-	-83.2
Dissolved Oxygen (mg/L)				0.94	9.84	3.69	2.21	3.62	2.03	-	0.01	0.01	-	0.01
Turbidity (NTU)				7.18	3.92	8.42	3.21	1.22	52.1	-	4.3	25.6	-	9.62
01 - BTEX, mg/L															
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.133**	**0.131**	< 0.0005	**0.118**	**0.114**	0.0017
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0148	0.0155	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0926	0.0898	< 0.0020	0.0060	0.0058	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.0423	0.0443	< 0.0040	< 0.0040	< 0.0040	< 0.0040
02 - PAH, mg/L															
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000549	0.000542 J	< 0.000100	< 0.000100	< 0.000200 UJ	0.000166 J
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000340	0.000345 J	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Anthracene	2.1	10.5	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200 UJ
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Fluoranthene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000442 J	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200 UJ
Fluorene	0.28	1.4	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000201	0.000276 J	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
Naphthalene	0.14	0.22	**0.075**	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.0561	0.0532 J	< 0.000200	0.000476	< 0.000400 UJ	0.00109 J
Phenanthrene	0.21	1.05	NS	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.00111 J	< 0.000400	< 0.000400	< 0.000800 UJ	< 0.000400 UJ
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200 UJ
03 - General Chemistry, mg/L															
Cyanide CN-	0.2	0.6	NS	0.033	< 0.005	0.101	0.015	< 0.005	0.013	0.012	0.036	< 0.005	< 0.005	< 0.005
04 - Metals, mg/L															
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0844	0.0620	0.113	0.0381	0.0205	0.0319	0.0316	0.0090	0.0207	0.0209	0.125
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection
The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
mg/L = milligrams per liter
Qualifiers:
J = Estimated detected result
UJ = Non-detect, estimated report limit
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Inge
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Inc
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater In
Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

TABLE 2
Summary of Analytical Results
February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

				Location Group	Intermediate Wells (Class 1 Groundwater Ingestion)										03 - Field Quality Control	
				Location ID	UMW-300	UMW-301R	UMW-302	DUP 003	UMW-303	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blank	Trip Blank
				Sample Date	2/11/2020	2/12/2020	2/12/2020	2/12/2020	2/11/2020	2/12/2020	2/12/2020	2/11/2020	2/11/2020	2/12/2020	2/10/2020	2/13/2020
				Sample Type	N	N	N	FD	N	N	N	N	N	N	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION													
pH					7.30	7.29	7.53	-	7.27	7.27	7.44	7.56	7.57	7.39	-	-
Specific Conductance (µS/cm)					1150	1401	1010	-	1464	1735	850	930	1050	1679	-	-
Temperature (°C)					13.9	13.6	13.1	-	14.1	11.9	14.0	14.1	14.3	12.5	-	-
ORP (mV)					34.5	-101.3	-16.3	-	-61	-80.1	2.8	-70.2	-28.2	-103.8	-	-
Dissolved Oxygen (mg/L)					2.22	0.01	1.83	-	0.13	0.03	2.11	1.84	1.46	0.72	-	-
Turbidity (NTU)					1.02	5.04	1.93	-	1.34	6.71	5.42	0.6	4.28	59.7	-	-
01 - BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	**0.391**	**0.343**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	**0.863**	**0.815**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530		< 0.0020	< 0.0020	< 0.0400	0.0082	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30		< 0.0040	< 0.0040	0.256	0.227	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040 S	< 0.0040	< 0.0040	< 0.0040
02 - PAH, mg/L																
Acenaphthene	0.42	2.1	NS		< 0.000100	0.00346	0.000542	0.000479 J	< 0.000100	0.000264	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Acenaphthylene	0.21	1.05	NS		< 0.000100	0.00375	0.000557	0.000505 J	< 0.000100	0.000613	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Anthracene	2.1	10.5	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Benzo(a)anthracene	0.00013	0.00065	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Benzo(a)pyrene	0.0002	0.002	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Benzo(b)fluoranthene	0.00018	0.0009	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Benzo(g,h,i)perylene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000800 UJ	< 0.000400 UJ	< 0.000200	-
Benzo(k)fluoranthene	0.00017	0.00085	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Chrysene	0.0015	0.0075	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Dibenzo(a,h)anthracene	0.0003	0.0015	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Fluoranthene	0.28	1.4	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000800 UJ	< 0.000400 UJ	< 0.000200	-
Fluorene	0.28	1.4	NS		< 0.000100	0.000214	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000400 UJ	< 0.000200 UJ	< 0.000100	-
Naphthalene	0.14	0.22	**0.075**		< 0.000200	< 0.000200	**2.42**	**1.96 J**	0.00372	< 0.000200	< 0.000200	< 0.000200	< 0.000800 UJ	< 0.000400 UJ	< 0.000200	-
Phenanthrene	0.21	1.05	NS		< 0.000400	< 0.000400	< 0.000400	< 0.000800 UJ	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.00160 UJ	< 0.000800 UJ	< 0.000400	-
Pyrene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000400 UJ	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000800 UJ	< 0.000400 UJ	< 0.000200	-
03 - General Chemistry, mg/L																
Cyanide CN-	0.2	0.6	NS		< 0.005	< 0.005	0.070	0.066	< 0.005	< 0.005	0.008	0.011	0.046	0.006	< 0.005	-
04 - Metals, mg/L																
Arsenic	0.05	0.2	NS		< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	-
Barium	2	2	NS		0.0861	0.0759	0.0535	0.0540	0.0407	0.0761	0.0999	0.112	0.115	0.110	< 0.0025	-
Cadmium	0.005	0.05	NS		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	-
Chromium	0.1	1	NS		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	-
Lead	0.0075	0.1	NS		< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	-
Mercury	0.002	0.01	0.053		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	-
Selenium	0.05	0.05	NS		< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	-
Silver	0.05	NS	NS		< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	-

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection
The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
mg/L = milligrams per liter
Qualifiers:
J = Estimated detected result
UJ = Non-detect, estimated report limit
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Inge
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Inc
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater In
Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-102	12/4/2017	< 0.002	< 0.0005	< 0.0005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/4/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	8/19/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	< 0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	0.000268	0.000131	0.000185	< 0.0002
	2/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-105	12/7/2017	< 0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	<0.0005	0.004	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/6/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000135	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-106R	12/6/2017	< 0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/25/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-107R	12/6/2017	0.0219	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	0.0076	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	0.0045	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0038	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	0.0021	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	0.0033	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	0.0006	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-108	12/5/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-109	12/5/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-111A	12/6/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-102	12/4/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.001	<0.005
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.002 BU	<0.005
	3/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	0.000116	<0.0002	<0.0004	<0.002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.002	<0.005
	11/6/2019	<0.0001	0.000324	<0.0001	0.000413	<0.0001	<0.0001	<0.0002	<0.0004	0.000438	<0.005
	2/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-105	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.049
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.0162	<0.0004	<0.0001	0.057
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.049
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.057
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.045
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.044
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.042
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.052
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
UMW-106R	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.044
	6/25/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.017
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.022
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.018
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.014
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.007
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.024
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
UMW-107R	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.509
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.453
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.381
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.385
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.333
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.406
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.409
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.376
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
UMW-108	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.029
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.030
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0004	0.032
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.028
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.027
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.021
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.024
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
UMW-109	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.001	<0.0001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.031
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.036
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.024
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.010
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.017
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.020
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000104	<0.0001	<0.0002	<0.0004	<0.0002	0.030
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
UMW-111A	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	0.000339	<0.0001	<0.0001	<0.0002	<0.0004	0.000245	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005

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Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-116	12/6/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/25/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-117	12/5/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/25/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000385
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-118	12/5/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	0.00012	<0.0001	0.00025	0.00034	0.0004	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-119	12/5/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000144	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-120	12/4/2017	<0.002	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.000167	<0.000167 UJ	<0.000167 BU	<0.000167	<0.000167	<0.000167	<0.000167
	3/6/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-121	12/7/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-122	6/27/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-116	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/25/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000206	<0.0004	<0.0001	<0.005
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-117	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/25/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	0.000102	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.000192	<0.000192	<0.000192	<0.000385	<0.000192	<0.000192	<0.000385	<0.000769	<0.000385	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-118	12/5/2017	0.00016	0.00013	<0.0001	0.00026	<0.0001	<0.0001	<0.0001	<0.0001	0.00115	0.059
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.031
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.034
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.043
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.029
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
UMW-119	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.039
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.036
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.033
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	0.026
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.031
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.027
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.035
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.033
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
UMW-120	12/4/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.000167	<0.000167	<0.000167	<0.000333 BU	<0.000167	<0.000167	<0.000333	<0.000667	<0.000333 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-121	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.177
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.141
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.138
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.108
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.122
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.098
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.099
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.117
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
UMW-122	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.031
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.027
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.028
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.017
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.013
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.013
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.018
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015

TABLE 3
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Ameren - Champaign FMGP Site
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Notes:
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Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-123	12/6/2017	<0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-124	12/7/2017	**0.120**	0.0110	0.0558	0.032	0.00052	0.0003	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/25/2018	0.0975	0.0091	0.0469	0.024	0.000486	0.000272	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	0.0869	0.009	0.0415	0.0236	0.000469	0.000248	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0664	0.0067	0.0313	0.018	0.000326	0.000187	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.145**	0.0128	0.0743	0.0364	0.000586	0.00033	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	**0.166**	0.0177	0.103	0.048	0.000667	0.000405	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.104	0.0029	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0881	0.0084	0.0483	0.0229	0.000448	0.000278	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-125	12/8/2017	0.0051	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	0.0091	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	0.0078	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0007	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	0.0037	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	0.0040	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.0065	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0008	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-126	12/7/2017	0.0115	<0.005	<0.005	<0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	0.061	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	0.108	<0.002	0.0034	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0261	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.142**	<0.002	0.0046	0.0022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	**0.195**	0.0038	0.0337	0.0068	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.109	0.0143	0.0804	0.0391	0.000616	0.000382	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0144	<0.002	<0.002	<0.0040	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-127	12/7/2017	0.0049	<0.005	0.001	< 0.005	0.00017	0.000105	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	0.0031	< 0.002	< 0.002	< 0.002	0.00022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	0.0029	< 0.002	< 0.002	< 0.002	0.000238	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	0.0021	< 0.002	< 0.002	< 0.002	0.000171	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/6/2019	0.0012	< 0.002	< 0.002	< 0.002	0.000149	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	0.0021	< 0.002	< 0.002	< 0.004	0.000202	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.0024	< 0.002	< 0.002	< 0.004	0.000199	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0025	< 0.002	< 0.002	< 0.004	0.000216	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	0.0017	< 0.0020	< 0.0020	< 0.0040	0.000166 J	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ
UMW-300	12/5/2017	< 0.0005	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/17/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-301R	12/7/2017	< 0.002	<0.005	<0.005	< 0.005	0.00263	0.0031	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00411	0.00488	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00274	0.00337	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00349	0.00425	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	0.00407	0.00423	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00317	0.00328	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00317	0.00403	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00396	0.00584	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-123	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00011	<0.0001	<0.0001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-124	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	0.00017	<0.0001	0.0454	0.00021	<0.0001	0.011
	6/25/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000179	<0.0001	0.0449	<0.0004	<0.0001	0.010
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000142	<0.0001	0.0489	<0.0004	<0.0001	0.010
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000109	<0.0001	<0.00255 U	<0.0004	<0.0002	0.008
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000204	<0.0001	0.0652	<0.0004	<0.0002	0.011
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000253	<0.0001	0.0709	<0.0004	<0.0002	0.007
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00125	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000160	<0.0001	0.0425	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.013
UMW-125	12/8/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00079	<0.0001	<0.0001	0.029
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000748	<0.0004	<0.0001	0.038
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00102	<0.0004	<0.0001	0.048
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.055
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000338	<0.0004	<0.0002	0.033
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000517	<0.0004	<0.0002	0.031
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000239	<0.0004	<0.0002	0.061
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
UMW-126	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00029	<0.0001	<0.0001	0.005
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000385	<0.0004	<0.0001	<0.005
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000505 U	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00195	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.0634	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
UMW-127	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	0.00015	<0.0001	0.00264	0.00033	<0.0001	<0.005
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000176	<0.0001	0.00192	0.000449	<0.0001	<0.005
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.00017	<0.0001	<0.0022	0.000451	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	0.000134	<0.0001	<0.00169 U	<0.0004	<0.0002 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.00011	<0.0001	<0.000631 U	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000134	<0.0001	0.00138	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000159	<0.0001	0.00195	0.000445	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000156	<0.0001	<0.00208	0.000429	<0.0002	<0.005
	2/12/2020	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ	< 0.000100 UJ	0.00109 J	< 0.000400 UJ	< 0.000200 UJ	< 0.005
UMW-300	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
UMW-301R	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	0.00011	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000241	<0.0001	0.000294	<0.0004	<0.0001	<0.005
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000142	<0.0001	0.000238	<0.0004	<0.0001	<0.005
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000162	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000237	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000166	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000245	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000215	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-302	12/7/2017	**0.502**	**0.771**	<0.05	0.182	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	**0.407**	**0.703**	<0.02	0.175	0.000349	0.000474	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	**0.409**	**0.751**	<0.02	0.198	0.000456	0.000652	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	**0.511**	**0.886**	<0.02	0.238	0.000368	0.00053	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.516**	**0.929**	<0.02	0.247	0.000469	0.000593	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	**0.288**	**0.751**	0.0094	0.228	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	**0.188**	**0.697**	<0.04	0.179	0.000467	0.000498	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	**0.286**	**0.687**	<0.04	0.188	0.000614	0.000743	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-303	12/5/2017	< 0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/25/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.000111	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/5/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-304R	12/8/2017	< 0.002	<0.005	<0.005	< 0.005	0.00067	0.00149	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.000486	0.00108	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.000539	0.00127	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00055	0.00139 J-	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	0.000608	0.00131	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000348	0.000778	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000313	0.000697	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000379	0.000816	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-302	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	**2.05**	<0.0001	<0.0001	0.067
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**1.96**	<0.0004	<0.0001	0.091
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**3.53**	<0.0004	<0.0001	0.113
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<2.2U	<0.0004	<0.0002	0.134
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**2.83**	<0.0004	<0.0002	0.120
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**2.65**	<0.0004	<0.0002	0.130
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**1.68**	<0.0004	<0.0002	0.152
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**3.2**	<0.0004	<0.0002	0.135
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
UMW-303	12/5/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/25/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00188 U	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 UJ	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00238	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00305 J+	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
UMW-304R	12/8/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00064	<0.0001	<0.0001	<0.005
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00576	<0.0004	<0.0001	<0.005
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00106 U	<0.0004	<0.0002	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000472	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000233	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005

TABLE 3
Analytical Results by Parameter
December 2017 to February 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-305	12/6/2017	< 0.002	<0.005	<0.005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000283	0.000283	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-306	12/6/2017	< 0.002	< 0.0005	< 0.0005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-307	12/6/2017	< 0.002	< 0.0005	< 0.0005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/26/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ
UMW-308	12/7/2017	< 0.002	< 0.0005	< 0.0005	< 0.005	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	6/27/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000134	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ

TABLE 3
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Ameren - Champaign FMGP Site
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Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-305	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00043	<0.0001	<0.0001	0.012
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000366	<0.0004	<0.0001	0.014
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.012
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.011
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002 UJ	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.007
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000113	<0.0001	**0.910**	<0.0004	<0.0002	0.011
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.008
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.008
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
UMW-306	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.014
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.018
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.019
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002 SU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 SU	0.014
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.014
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000352	<0.0004	<0.0002	0.014
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.020
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.018
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
UMW-307	12/6/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.043
	6/26/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.048
	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.053
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.046
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.056
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.046
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.032
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.029
	2/11/2020	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.00160 UJ	< 0.000800 UJ	0.046
UMW-308	12/7/2017	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.005
	6/27/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.022
	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.005	<0.0004	0.000107	0.018
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00025 U	<0.0004	<0.0002	0.018
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.011
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.022
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.015
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.012
	2/12/2020	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	0.006

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = not analyzed
mg/L = milligrams per liter
Qualifiers:
B = Analyte detected in method blank
BU = Compound was found in the blank and sample; analyte was analyzed but not detected.
H = Holding times exceeded
U = Non-detect
J = Detected results are estimated
UJ = Non-detect, estimated report limit
SU = Non-detect, spike recovery outside recovery limits
J- = Detected Results are estimated with a low bias
J+ = Detected Results are estimated with a high bias
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I GROUNDWATER INGESTION
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II GROUNDWATER INGESTION
GW INHALATION DIFFUSION & ADVECTION RESIDENTIAL = IEPA TACO Tier 1 GW INHALATION DIFFUSION & ADVECTION RESIDENTIAL
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

Attachment 1

Laboratory Analytical Reports and Data Validation Summary

February 28, 2020

Greg Moore
ERM
2 CityPlace Drive, Suite 70
St. Louis, MO 63141
TEL: (314) 238-6162
FAX:

RE: Champaign GW **WorkOrder:** 20020836

Dear Greg Moore:

TEKLAB, INC received 33 samples on 2/13/2020 4:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Elizabeth A. Hurley

Elizabeth A. Hurley
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: ERM
Work Order: 20020836
Client Project: Champaign GW
Report Date: 28-Feb-2020

This reporting package includes the following:

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# -	Unknown hydrocarbon	B -	Analyte detected in associated Method Blank
C -	RL shown is a Client Requested Quantitation Limit	E -	Value above quantitation range
H -	Holding times exceeded	I -	Associated internal standard was outside method criteria
J -	Analyte detected below quantitation limits	M -	Manual Integration used to determine area response
ND -	Not Detected at the Reporting Limit	R -	RPD outside accepted recovery limits
S -	Spike Recovery outside recovery limits	T -	TIC(Tentatively identified compound)
X -	Value exceeds Maximum Contaminant Level		

Client: ERM
Work Order: 20020836
Client Project: Champaign GW
Report Date: 28-Feb-2020

Cooler Receipt Temp: 1.0 °C

This report was revised on February 28, 2020 per Greg Moore's request. The reason for the revision is to include results of re-analysis of UMW-302-WG-20200212 for Naphthalene. Re-analysis resulted in discovery of a sequence error affecting the results of UMW-127, UMW-300, UMW-301R, and UMW-302. All re-analyzed PAHs are included in this revision.

Hold time qualifiers are included for PAHs due to a spiking error during initial sample preparation.

Please replace report dated February 25, 2020 with this report. EAH 2/28/2020

Locations

Collinsville

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Collinsville Air

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Chicago

Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	3/3/2020	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2020	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2020	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2020	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		3/3/2020	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville
Tennessee	TDEC	04905		3/3/2020	Collinsville

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-001 **Client Sample ID:** UMW-102-WG-20200210

Matrix: GROUNDWATER **Collection Date:** 02/10/2020 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 13:35	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 1:47	162216
Barium	NELAP	0.0025		**0.0642**	mg/L	1	02/15/2020 1:47	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 1:47	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 1:47	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 1:47	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 1:47	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 1:47	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:39	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:02	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:02	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 18:02	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:02	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 18:02	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:02	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 18:02	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 18:02	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 18:02	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**87.8**	%REC	1	02/16/2020 18:02	162251
Surr: Nitrobenzene-d5	*	15-163		**76.5**	%REC	1	02/16/2020 18:02	162251
Surr: p-Terphenyl-d14	*	10-173		**107.0**	%REC	1	02/16/2020 18:02	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 10:19	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 10:19	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 10:19	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 10:19	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.7**	%REC	1	02/14/2020 10:19	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**100.1**	%REC	1	02/14/2020 10:19	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.6**	%REC	1	02/14/2020 10:19	162244
Surr: Toluene-d8	*	86.1-110		**99.2**	%REC	1	02/14/2020 10:19	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-002 **Client Sample ID:** UMW-105-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 11:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.037**	mg/L	1	02/17/2020 11:47	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 1:50	162216
Barium	NELAP	0.0025		**0.0531**	mg/L	1	02/15/2020 1:50	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 1:50	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 1:50	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 1:50	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 1:50	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 1:50	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:41	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:41	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:41	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 18:41	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 18:41	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 18:41	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 18:41	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 18:41	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 18:41	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 18:41	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**89.6**	%REC	1	02/16/2020 18:41	162251
Surr: Nitrobenzene-d5	*	15-163		**89.1**	%REC	1	02/16/2020 18:41	162251
Surr: p-Terphenyl-d14	*	10-173		**131.1**	%REC	1	02/16/2020 18:41	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 10:46	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 10:46	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 10:46	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 10:46	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.5**	%REC	1	02/14/2020 10:46	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**102.6**	%REC	1	02/14/2020 10:46	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.2**	%REC	1	02/14/2020 10:46	162244
Surr: Toluene-d8	*	86.1-110		**99.9**	%REC	1	02/14/2020 10:46	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-003 **Client Sample ID:** UMW-106R-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	02/17/2020 13:44	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 1:54	162216
Barium	NELAP	0.0025		**0.0882**	mg/L	1	02/15/2020 1:54	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 1:54	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 1:54	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 1:54	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 1:54	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 1:54	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:43	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:19	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:19	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 19:19	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:19	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 19:19	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:19	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 19:19	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 19:19	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 19:19	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**88.1**	%REC	1	02/16/2020 19:19	162251
Surr: Nitrobenzene-d5	*	15-163		**84.8**	%REC	1	02/16/2020 19:19	162251
Surr: p-Terphenyl-d14	*	10-173		**124.6**	%REC	1	02/16/2020 19:19	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 11:13	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 11:13	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 11:13	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 11:13	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.4**	%REC	1	02/14/2020 11:13	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.3**	%REC	1	02/14/2020 11:13	162244
Surr: Dibromofluoromethane	*	87.4-111		**99.2**	%REC	1	02/14/2020 11:13	162244
Surr: Toluene-d8	*	86.1-110		**99.3**	%REC	1	02/14/2020 11:13	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-004 **Client Sample ID:** UMW-107R-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 14:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.100		**0.342**	mg/L	20	02/17/2020 16:15	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 1:58	162216
Barium	NELAP	0.0025		**0.137**	mg/L	1	02/15/2020 1:58	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 1:58	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 1:58	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 1:58	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 1:58	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 1:58	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:45	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:59	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:59	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 19:59	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 19:59	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 19:59	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 19:59	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 19:59	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 19:59	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 19:59	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.2**	%REC	1	02/16/2020 19:59	162251
Surr: Nitrobenzene-d5	*	15-163		**82.2**	%REC	1	02/16/2020 19:59	162251
Surr: p-Terphenyl-d14	*	10-173		**116.3**	%REC	1	02/16/2020 19:59	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 11:40	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 11:40	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 11:40	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 11:40	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.5**	%REC	1	02/14/2020 11:40	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.9**	%REC	1	02/14/2020 11:40	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.1**	%REC	1	02/14/2020 11:40	162244
Surr: Toluene-d8	*	86.1-110		**99.2**	%REC	1	02/14/2020 11:40	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-005 **Client Sample ID:** UMW-108-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.025**	mg/L	1	02/17/2020 13:52	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:01	162216
Barium	NELAP	0.0025		**0.133**	mg/L	1	02/15/2020 2:01	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:01	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:01	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:01	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:01	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:01	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:52	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 20:38	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 20:38	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 20:38	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 20:38	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 20:38	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 20:38	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 20:38	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 20:38	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 20:38	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**91.8**	%REC	1	02/16/2020 20:38	162251
Surr: Nitrobenzene-d5	*	15-163		**94.6**	%REC	1	02/16/2020 20:38	162251
Surr: p-Terphenyl-d14	*	10-173		**133.5**	%REC	1	02/16/2020 20:38	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 12:06	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:06	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:06	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 12:06	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.3**	%REC	1	02/14/2020 12:06	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**104.1**	%REC	1	02/14/2020 12:06	162244
Surr: Dibromofluoromethane	*	87.4-111		**97.5**	%REC	1	02/14/2020 12:06	162244
Surr: Toluene-d8	*	86.1-110		**99.8**	%REC	1	02/14/2020 12:06	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-006 **Client Sample ID:** UMW-109-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.019**	mg/L	1	02/17/2020 14:18	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:05	162216
Barium	NELAP	0.0025		**0.0970**	mg/L	1	02/15/2020 2:05	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:05	162216
Chromium	NELAP	0.0050		**0.0306**	mg/L	1	02/15/2020 2:05	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:05	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:05	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:05	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 11:55	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:17	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:17	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 21:17	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:17	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 21:17	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:17	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 21:17	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 21:17	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 21:17	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.4**	%REC	1	02/16/2020 21:17	162251
Surr: Nitrobenzene-d5	*	15-163		**87.8**	%REC	1	02/16/2020 21:17	162251
Surr: p-Terphenyl-d14	*	10-173		**122.8**	%REC	1	02/16/2020 21:17	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 12:49	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:49	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:49	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 12:49	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**101.7**	%REC	1	02/14/2020 12:49	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**102.3**	%REC	1	02/14/2020 12:49	162244
Surr: Dibromofluoromethane	*	87.4-111		**99.2**	%REC	1	02/14/2020 12:49	162244
Surr: Toluene-d8	*	86.1-110		**98.6**	%REC	1	02/14/2020 12:49	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-007 **Client Sample ID:** UMW-111A-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 14:22	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:09	162216
Barium	NELAP	0.0025		**0.0503**	mg/L	1	02/15/2020 2:09	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:09	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:09	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:09	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:09	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:09	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 12:03	162211
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:57	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:57	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 21:57	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 21:57	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 21:57	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 21:57	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 21:57	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 21:57	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 21:57	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.7**	%REC	1	02/16/2020 21:57	162251
Surr: Nitrobenzene-d5	*	15-163		**81.0**	%REC	1	02/16/2020 21:57	162251
Surr: p-Terphenyl-d14	*	10-173		**109.6**	%REC	1	02/16/2020 21:57	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 13:17	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:17	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:17	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 13:17	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**104.9**	%REC	1	02/14/2020 13:17	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**99.1**	%REC	1	02/14/2020 13:17	162244
Surr: Dibromofluoromethane	*	87.4-111		**100.2**	%REC	1	02/14/2020 13:17	162244
Surr: Toluene-d8	*	86.1-110		**98.2**	%REC	1	02/14/2020 13:17	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-008 **Client Sample ID:** UMW-116-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 14:27	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:20	162216
Barium	NELAP	0.0025		**0.0822**	mg/L	1	02/15/2020 2:20	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:20	162216
Chromium	NELAP	0.0050		**0.0152**	mg/L	1	02/15/2020 2:20	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:20	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:20	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:20	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 12:50	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 22:36	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 22:36	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 22:36	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 22:36	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 22:36	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 22:36	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 22:36	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 22:36	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 22:36	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.0**	%REC	1	02/16/2020 22:36	162251
Surr: Nitrobenzene-d5	*	15-163		**82.9**	%REC	1	02/16/2020 22:36	162251
Surr: p-Terphenyl-d14	*	10-173		**120.1**	%REC	1	02/16/2020 22:36	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 13:44	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:44	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:44	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 13:44	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.8**	%REC	1	02/14/2020 13:44	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**100.4**	%REC	1	02/14/2020 13:44	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.7**	%REC	1	02/14/2020 13:44	162244
Surr: Toluene-d8	*	86.1-110		**98.9**	%REC	1	02/14/2020 13:44	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-009 **Client Sample ID:** UMW-117-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 14:36	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:34	162216
Barium	NELAP	0.0025		**0.0999**	mg/L	1	02/15/2020 2:34	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:34	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:34	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:34	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:34	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:34	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 12:58	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:15	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:15	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 23:15	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:15	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 23:15	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:15	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 23:15	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 23:15	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 23:15	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**79.0**	%REC	1	02/16/2020 23:15	162251
Surr: Nitrobenzene-d5	*	15-163		**79.6**	%REC	1	02/16/2020 23:15	162251
Surr: p-Terphenyl-d14	*	10-173		**119.0**	%REC	1	02/16/2020 23:15	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 14:10	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:10	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:10	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 14:10	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.9**	%REC	1	02/14/2020 14:10	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.4**	%REC	1	02/14/2020 14:10	162244
Surr: Dibromofluoromethane	*	87.4-111		**99.1**	%REC	1	02/14/2020 14:10	162244
Surr: Toluene-d8	*	86.1-110		**99.0**	%REC	1	02/14/2020 14:10	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-010 **Client Sample ID:** UMW-118-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.028**	mg/L	1	02/17/2020 14:40	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:38	162216
Barium	NELAP	0.0025		**0.107**	mg/L	1	02/15/2020 2:38	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:38	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:38	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:38	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:38	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:38	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:01	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 12:52	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 12:52	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 12:52	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 12:52	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 12:52	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 12:52	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.5**	%REC	1	02/18/2020 12:52	162284
Surr: Nitrobenzene-d5	*	15-163		**73.0**	%REC	1	02/18/2020 12:52	162284
Surr: p-Terphenyl-d14	*	10-173		**104.0**	%REC	1	02/18/2020 12:52	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 14:37	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:37	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:37	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 14:37	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.9**	%REC	1	02/14/2020 14:37	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.7**	%REC	1	02/14/2020 14:37	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.8**	%REC	1	02/14/2020 14:37	162244
Surr: Toluene-d8	*	86.1-110		**99.7**	%REC	1	02/14/2020 14:37	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-011 **Client Sample ID:** UMW-119-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 8:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.033**	mg/L	1	02/17/2020 14:44	162247
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:42	162216
Barium	NELAP	0.0025		**0.0844**	mg/L	1	02/15/2020 2:42	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:42	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:42	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:42	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:42	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:42	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:03	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 13:32	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 13:32	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 13:32	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 13:32	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 13:32	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 13:32	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.1**	%REC	1	02/18/2020 13:32	162284
Surr: Nitrobenzene-d5	*	15-163		**80.6**	%REC	1	02/18/2020 13:32	162284
Surr: p-Terphenyl-d14	*	10-173		**109.2**	%REC	1	02/18/2020 13:32	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 15:04	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:04	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:04	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 15:04	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.5**	%REC	1	02/14/2020 15:04	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.8**	%REC	1	02/14/2020 15:04	162244
Surr: Dibromofluoromethane	*	87.4-111		**99.7**	%REC	1	02/14/2020 15:04	162244
Surr: Toluene-d8	*	86.1-110		**98.7**	%REC	1	02/14/2020 15:04	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-012 **Client Sample ID:** UMW-120-WG-20200210

Matrix: GROUNDWATER **Collection Date:** 02/10/2020 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 14:48	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:45	162216
Barium	NELAP	0.0025		**0.0620**	mg/L	1	02/15/2020 2:45	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:45	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:45	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:45	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:45	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:45	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:05	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:55	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:55	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 23:55	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/16/2020 23:55	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 23:55	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/16/2020 23:55	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/16/2020 23:55	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/16/2020 23:55	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/16/2020 23:55	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**101.5**	%REC	1	02/16/2020 23:55	162251
Surr: Nitrobenzene-d5	*	15-163		**90.4**	%REC	1	02/16/2020 23:55	162251
Surr: p-Terphenyl-d14	*	10-173		**127.4**	%REC	1	02/16/2020 23:55	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 15:31	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:31	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:31	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 15:31	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.6**	%REC	1	02/14/2020 15:31	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**99.9**	%REC	1	02/14/2020 15:31	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.9**	%REC	1	02/14/2020 15:31	162244
Surr: Toluene-d8	*	86.1-110		**99.0**	%REC	1	02/14/2020 15:31	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-013 **Client Sample ID:** UMW-121-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 12:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.101**	mg/L	5	02/18/2020 12:07	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:49	162216
Barium	NELAP	0.0025		**0.113**	mg/L	1	02/15/2020 2:49	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:49	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:49	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:49	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:49	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:49	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:07	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:12	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:12	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:12	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:12	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 14:12	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:12	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**86.0**	%REC	1	02/18/2020 14:12	162284
Surr: Nitrobenzene-d5	*	15-163		**82.3**	%REC	1	02/18/2020 14:12	162284
Surr: p-Terphenyl-d14	*	10-173		**106.1**	%REC	1	02/18/2020 14:12	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 15:58	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:58	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:58	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 15:58	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.8**	%REC	1	02/14/2020 15:58	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.7**	%REC	1	02/14/2020 15:58	162244
Surr: Dibromofluoromethane	*	87.4-111		**99.6**	%REC	1	02/14/2020 15:58	162244
Surr: Toluene-d8	*	86.1-110		**98.7**	%REC	1	02/14/2020 15:58	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-014 **Client Sample ID:** UMW-122-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 17:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.015**	mg/L	1	02/17/2020 15:01	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:53	162216
Barium	NELAP	0.0025		**0.0381**	mg/L	1	02/15/2020 2:53	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:53	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:53	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:53	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:53	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:53	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:10	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:52	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:52	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 14:52	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:52	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 14:52	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 14:52	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**86.4**	%REC	1	02/18/2020 14:52	162284
Surr: Nitrobenzene-d5	*	15-163		**78.8**	%REC	1	02/18/2020 14:52	162284
Surr: p-Terphenyl-d14	*	10-173		**106.8**	%REC	1	02/18/2020 14:52	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 16:25	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:25	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:25	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 16:25	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.9**	%REC	1	02/14/2020 16:25	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**100.9**	%REC	1	02/14/2020 16:25	162244
Surr: Dibromofluoromethane	*	87.4-111		**97.9**	%REC	1	02/14/2020 16:25	162244
Surr: Toluene-d8	*	86.1-110		**99.6**	%REC	1	02/14/2020 16:25	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-015 **Client Sample ID:** UMW-123-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005	R	**< 0.005**	mg/L	1	02/17/2020 12:04	162248
RPD for MS/MSD was outside control limits.								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 2:56	162216
Barium	NELAP	0.0025		**0.0205**	mg/L	1	02/15/2020 2:56	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 2:56	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 2:56	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 2:56	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 2:56	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 2:56	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:12	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 15:32	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 15:32	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 15:32	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 15:32	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 15:32	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 15:32	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**83.8**	%REC	1	02/18/2020 15:32	162284
Surr: Nitrobenzene-d5	*	15-163		**81.8**	%REC	1	02/18/2020 15:32	162284
Surr: p-Terphenyl-d14	*	10-173		**104.8**	%REC	1	02/18/2020 15:32	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 16:51	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:51	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:51	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 16:51	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.9**	%REC	1	02/14/2020 16:51	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**102.5**	%REC	1	02/14/2020 16:51	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.8**	%REC	1	02/14/2020 16:51	162244
Surr: Toluene-d8	*	86.1-110		**99.3**	%REC	1	02/14/2020 16:51	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-016 **Client Sample ID:** UMW-124-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	02/17/2020 15:06	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 3:00	162216
Barium	NELAP	0.0025		**0.0319**	mg/L	1	02/15/2020 3:00	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 3:00	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 3:00	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 3:00	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 3:00	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 3:00	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:14	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000549**	mg/L	1	02/18/2020 16:12	162284
Acenaphthylene	NELAP	0.000100		**0.000340**	mg/L	1	02/18/2020 16:12	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:12	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:12	162284
Fluorene	NELAP	0.000100		**0.000201**	mg/L	1	02/18/2020 16:12	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:12	162284
Naphthalene	NELAP	0.00500		**0.0561**	mg/L	25	02/21/2020 10:18	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 16:12	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:12	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**79.2**	%REC	1	02/18/2020 16:12	162284
Surr: Nitrobenzene-d5	*	15-163		**75.9**	%REC	1	02/18/2020 16:12	162284
Surr: p-Terphenyl-d14	*	10-173		**87.8**	%REC	1	02/18/2020 16:12	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**133**	µg/L	1	02/14/2020 17:18	162244
Ethylbenzene	NELAP	2.0		**14.8**	µg/L	1	02/14/2020 17:18	162244
Toluene	NELAP	2.0		**92.6**	µg/L	1	02/14/2020 17:18	162244
Xylenes, Total	NELAP	4.0		**42.3**	µg/L	1	02/14/2020 17:18	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.7**	%REC	1	02/14/2020 17:18	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**100.9**	%REC	1	02/14/2020 17:18	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.5**	%REC	1	02/14/2020 17:18	162244
Surr: Toluene-d8	*	86.1-110		**99.5**	%REC	1	02/14/2020 17:18	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-017 **Client Sample ID:** UMW-125-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.036**	mg/L	1	02/17/2020 15:32	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 3:22	162216
Barium	NELAP	0.0025		**0.0090**	mg/L	1	02/15/2020 3:22	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 3:22	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 3:22	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 3:22	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 3:22	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 3:22	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:16	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:51	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:51	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 16:51	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:51	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 16:51	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 16:51	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.2**	%REC	1	02/18/2020 16:51	162284
Surr: Nitrobenzene-d5	*	15-163		**67.5**	%REC	1	02/18/2020 16:51	162284
Surr: p-Terphenyl-d14	*	10-173		**97.3**	%REC	1	02/18/2020 16:51	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 17:45	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:45	162244
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:45	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 17:45	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**99.9**	%REC	1	02/14/2020 17:45	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.0**	%REC	1	02/14/2020 17:45	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.1**	%REC	1	02/14/2020 17:45	162244
Surr: Toluene-d8	*	86.1-110		**98.7**	%REC	1	02/14/2020 17:45	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-018 **Client Sample ID:** UMW-126-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 15:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 15:36	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/15/2020 3:04	162216
Barium	NELAP	0.0025		**0.0207**	mg/L	1	02/15/2020 3:04	162216
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/15/2020 3:04	162216
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/15/2020 3:04	162216
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/15/2020 3:04	162216
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/15/2020 3:04	162216
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/15/2020 3:04	162216
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:19	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 17:31	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 17:31	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/18/2020 17:31	162284
Naphthalene	NELAP	0.000200		**0.000476**	mg/L	1	02/18/2020 17:31	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/18/2020 17:31	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/18/2020 17:31	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.7**	%REC	1	02/18/2020 17:31	162284
Surr: Nitrobenzene-d5	*	15-163		**69.8**	%REC	1	02/18/2020 17:31	162284
Surr: p-Terphenyl-d14	*	10-173		**89.8**	%REC	1	02/18/2020 17:31	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**118**	µg/L	1	02/14/2020 18:11	162244
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 18:11	162244
Toluene	NELAP	2.0		**6.0**	µg/L	1	02/14/2020 18:11	162244
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 18:11	162244
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.7**	%REC	1	02/14/2020 18:11	162244
Surr: 4-Bromofluorobenzene	*	88.3-109		**101.0**	%REC	1	02/14/2020 18:11	162244
Surr: Dibromofluoromethane	*	87.4-111		**98.8**	%REC	1	02/14/2020 18:11	162244
Surr: Toluene-d8	*	86.1-110		**99.5**	%REC	1	02/14/2020 18:11	162244

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-019 **Client Sample ID:** UMW-127-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 15:40	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 18:53	162218
Barium	NELAP	0.0025		**0.125**	mg/L	1	02/17/2020 18:53	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 18:53	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 18:53	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 18:53	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 18:53	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 18:53	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:25	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000166**	mg/L	1	02/28/2020 10:51	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 10:51	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 10:51	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 10:51	162284
Naphthalene	NELAP	0.000200		**0.00109**	mg/L	1	02/28/2020 10:51	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/28/2020 10:51	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 10:51	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.2**	%REC	1	02/28/2020 10:51	162284
Surr: Nitrobenzene-d5	*	15-163		**69.8**	%REC	1	02/28/2020 10:51	162284
Surr: p-Terphenyl-d14	*	10-173		**95.3**	%REC	1	02/28/2020 10:51	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.7**	µg/L	1	02/14/2020 14:55	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:55	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 14:55	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 14:55	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**105.0**	%REC	1	02/14/2020 14:55	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.2**	%REC	1	02/14/2020 14:55	162243
Surr: Dibromofluoromethane	*	87.4-111		**105.4**	%REC	1	02/14/2020 14:55	162243
Surr: Toluene-d8	*	86.1-110		**94.8**	%REC	1	02/14/2020 14:55	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-020 **Client Sample ID:** UMW-300-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 8:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 15:45	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 18:57	162218
Barium	NELAP	0.0025		**0.0861**	mg/L	1	02/17/2020 18:57	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 18:57	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 18:57	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 18:57	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 18:57	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 18:57	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:29	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 11:31	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 11:31	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 11:31	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 11:31	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/28/2020 11:31	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 11:31	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.0**	%REC	1	02/28/2020 11:31	162284
Surr: Nitrobenzene-d5	*	15-163		**74.8**	%REC	1	02/28/2020 11:31	162284
Surr: p-Terphenyl-d14	*	10-173		**108.8**	%REC	1	02/28/2020 11:31	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 15:21	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:21	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:21	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 15:21	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**106.1**	%REC	1	02/14/2020 15:21	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.6**	%REC	1	02/14/2020 15:21	162243
Surr: Dibromofluoromethane	*	87.4-111		**104.8**	%REC	1	02/14/2020 15:21	162243
Surr: Toluene-d8	*	86.1-110		**94.0**	%REC	1	02/14/2020 15:21	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-021 **Client Sample ID:** UMW-301R-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 15:53	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:00	162218
Barium	NELAP	0.0025		**0.0759**	mg/L	1	02/17/2020 19:00	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:00	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:00	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:00	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:00	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:00	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:31	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00346**	mg/L	1	02/28/2020 12:13	162284
Acenaphthylene	NELAP	0.000100		**0.00375**	mg/L	1	02/28/2020 12:13	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 12:13	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 12:13	162284
Fluorene	NELAP	0.000100		**0.000214**	mg/L	1	02/28/2020 12:13	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/28/2020 12:13	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 12:13	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/28/2020 12:13	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/28/2020 12:13	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.6**	%REC	1	02/28/2020 12:13	162284
Surr: Nitrobenzene-d5	*	15-163		**76.8**	%REC	1	02/28/2020 12:13	162284
Surr: p-Terphenyl-d14	*	10-173		**107.6**	%REC	1	02/28/2020 12:13	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 15:47	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:47	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 15:47	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 15:47	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**103.9**	%REC	1	02/14/2020 15:47	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.8**	%REC	1	02/14/2020 15:47	162243
Surr: Dibromofluoromethane	*	87.4-111		**103.7**	%REC	1	02/14/2020 15:47	162243
Surr: Toluene-d8	*	86.1-110		**95.1**	%REC	1	02/14/2020 15:47	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-022 **Client Sample ID:** UMW-302-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.070**	mg/L	5	02/18/2020 12:11	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:04	162218
Barium	NELAP	0.0025		**0.0535**	mg/L	1	02/17/2020 19:04	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:04	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:04	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:04	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:04	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:04	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:33	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000542**	mg/L	1	02/27/2020 11:29	162284
Acenaphthylene	NELAP	0.000100		**0.000557**	mg/L	1	02/27/2020 11:29	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/27/2020 11:29	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/27/2020 11:29	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/27/2020 11:29	162284
Naphthalene	NELAP	0.200		**2.42**	mg/L	1000	02/27/2020 14:57	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/27/2020 11:29	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/27/2020 11:29	162284
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**0**	%REC	1000	02/27/2020 14:57	162284
Surr: Nitrobenzene-d5	*	15-163	S	**190.0**	%REC	1000	02/27/2020 14:57	162284
Surr: p-Terphenyl-d14	*	10-173		**111.9**	%REC	1	02/27/2020 11:29	162284

Surrogate recovery is outside control limits due to sample dilution.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	10.0		**391**	µg/L	20	02/14/2020 16:13	162243
Ethylbenzene	NELAP	40.0		**863**	µg/L	20	02/14/2020 16:13	162243
Toluene	NELAP	40.0		**ND**	µg/L	20	02/14/2020 16:13	162243
Xylenes, Total	NELAP	80.0		**256**	µg/L	20	02/14/2020 16:13	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**106.1**	%REC	20	02/14/2020 16:13	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.8**	%REC	20	02/14/2020 16:13	162243
Surr: Dibromofluoromethane	*	87.4-111		**104.5**	%REC	20	02/14/2020 16:13	162243
Surr: Toluene-d8	*	86.1-110		**94.8**	%REC	20	02/14/2020 16:13	162243

Elevated reporting limit due to high levels of target and/or non-target analytes.

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-023 **Client Sample ID:** UMW-303-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 16:02	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:08	162218
Barium	NELAP	0.0025		**0.0407**	mg/L	1	02/17/2020 19:08	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:08	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:08	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:08	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:08	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:08	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:35	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 17:27	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 17:27	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 17:27	162284
Naphthalene	NELAP	0.000200		**0.00372**	mg/L	1	02/20/2020 17:27	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/20/2020 17:27	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 17:27	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**94.5**	%REC	1	02/20/2020 17:27	162284
Surr: Nitrobenzene-d5	*	15-163		**87.0**	%REC	1	02/20/2020 17:27	162284
Surr: p-Terphenyl-d14	*	10-173		**112.3**	%REC	1	02/20/2020 17:27	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 16:39	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:39	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:39	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 16:39	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**107.5**	%REC	1	02/14/2020 16:39	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.9**	%REC	1	02/14/2020 16:39	162243
Surr: Dibromofluoromethane	*	87.4-111		**105.9**	%REC	1	02/14/2020 16:39	162243
Surr: Toluene-d8	*	86.1-110		**94.5**	%REC	1	02/14/2020 16:39	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-024 **Client Sample ID:** UMW-304R-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/17/2020 16:07	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:11	162218
Barium	NELAP	0.0025		**0.0761**	mg/L	1	02/17/2020 19:11	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:11	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:11	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:11	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:11	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:11	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:38	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000264**	mg/L	1	02/20/2020 18:09	162284
Acenaphthylene	NELAP	0.000100		**0.000613**	mg/L	1	02/20/2020 18:09	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:09	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:09	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:09	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:09	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/20/2020 18:09	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:09	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.8**	%REC	1	02/20/2020 18:09	162284
Surr: Nitrobenzene-d5	*	15-163		**76.3**	%REC	1	02/20/2020 18:09	162284
Surr: p-Terphenyl-d14	*	10-173		**95.5**	%REC	1	02/20/2020 18:09	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 17:04	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:04	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:04	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 17:04	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**104.7**	%REC	1	02/14/2020 17:04	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**104.4**	%REC	1	02/14/2020 17:04	162243
Surr: Dibromofluoromethane	*	87.4-111		**105.2**	%REC	1	02/14/2020 17:04	162243
Surr: Toluene-d8	*	86.1-110		**95.5**	%REC	1	02/14/2020 17:04	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-025 **Client Sample ID:** UMW-305-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	02/17/2020 12:21	162248
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:15	162218
Barium	NELAP	0.0025		**0.0999**	mg/L	1	02/17/2020 19:15	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:15	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:15	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:15	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:15	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:15	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:40	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 0:34	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 0:34	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/17/2020 0:34	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 0:34	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/17/2020 0:34	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 0:34	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/17/2020 0:34	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/17/2020 0:34	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/17/2020 0:34	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**96.1**	%REC	1	02/17/2020 0:34	162251
Surr: Nitrobenzene-d5	*	15-163		**87.0**	%REC	1	02/17/2020 0:34	162251
Surr: p-Terphenyl-d14	*	10-173		**118.3**	%REC	1	02/17/2020 0:34	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/17/2020 10:23	162280
Ethylbenzene	NELAP	2.0	S	**ND**	µg/L	1	02/17/2020 10:23	162280
Toluene	NELAP	2.0	S	**ND**	µg/L	1	02/17/2020 10:23	162280
Xylenes, Total	NELAP	4.0	S	**ND**	µg/L	1	02/17/2020 10:23	162280
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**94.8**	%REC	1	02/17/2020 10:23	162280
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.4**	%REC	1	02/17/2020 10:23	162280
Surr: Dibromofluoromethane	*	87.4-111		**98.9**	%REC	1	02/17/2020 10:23	162280
Surr: Toluene-d8	*	86.1-110		**95.7**	%REC	1	02/17/2020 10:23	162280

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-026 **Client Sample ID:** UMW-306-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 18:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.011**	mg/L	1	02/18/2020 13:51	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:26	162218
Barium	NELAP	0.0025		**0.112**	mg/L	1	02/17/2020 19:26	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:26	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:26	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:26	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:26	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:26	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:48	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:51	162284
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:51	162284
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/20/2020 18:51	162284
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:51	162284
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/20/2020 18:51	162284
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/20/2020 18:51	162284
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.6**	%REC	1	02/20/2020 18:51	162284
Surr: Nitrobenzene-d5	*	15-163		**71.3**	%REC	1	02/20/2020 18:51	162284
Surr: p-Terphenyl-d14	*	10-173		**96.5**	%REC	1	02/20/2020 18:51	162284
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 17:30	162243
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:30	162243
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:30	162243
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 17:30	162243
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**105.2**	%REC	1	02/14/2020 17:30	162243
Surr: 4-Bromofluorobenzene	*	88.3-109		**103.5**	%REC	1	02/14/2020 17:30	162243
Surr: Dibromofluoromethane	*	87.4-111		**106.6**	%REC	1	02/14/2020 17:30	162243
Surr: Toluene-d8	*	86.1-110		**95.0**	%REC	1	02/14/2020 17:30	162243

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-027 **Client Sample ID:** UMW-307-WG-20200211

Matrix: GROUNDWATER **Collection Date:** 02/11/2020 17:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.046**	mg/L	1	02/18/2020 13:25	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:41	162218
Barium	NELAP	0.0025		**0.115**	mg/L	1	02/17/2020 19:41	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:41	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:41	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:41	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:41	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:41	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 13:55	162224
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Acenaphthylene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Anthracene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Benzo(a)anthracene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Benzo(a)pyrene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Benzo(b)fluoranthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Benzo(g,h,i)perylene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Benzo(k)fluoranthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Chrysene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Dibenzo(a,h)anthracene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Fluoranthene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Fluorene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Indeno(1,2,3-cd)pyrene	NELAP	0.000400	BH	**ND**	mg/L	1	02/24/2020 11:39	162419
Naphthalene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Phenanthrene	NELAP	0.00160	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Pyrene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 11:39	162419
Surr: 2-Fluorobiphenyl	*	21.4-142	H	**94.8**	%REC	1	02/24/2020 11:39	162419
Surr: Nitrobenzene-d5	*	15-163	H	**82.7**	%REC	1	02/24/2020 11:39	162419
Surr: p-Terphenyl-d14	*	10-173	H	**136.3**	%REC	1	02/24/2020 11:39	162419

Sample required re-extraction out of hold time.

Elevated reporting limit due to limited sample.

Contamination present in the MBLK for Indeno(1,2,3-cd)pyrene. Sample results below the reporting limit are reportable per the TNI Standard.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/17/2020 10:51	162280
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/17/2020 10:51	162280
Toluene	NELAP	2.0		**ND**	µg/L	1	02/17/2020 10:51	162280
Xylenes, Total	NELAP	4.0	S	**ND**	µg/L	1	02/17/2020 10:51	162280
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**96.9**	%REC	1	02/17/2020 10:51	162280
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.5**	%REC	1	02/17/2020 10:51	162280
Surr: Dibromofluoromethane	*	87.4-111		**99.9**	%REC	1	02/17/2020 10:51	162280
Surr: Toluene-d8	*	86.1-110		**97.5**	%REC	1	02/17/2020 10:51	162280

Matrix spike recovered outside upper control limits. Sample results are below the reporting limit. Data is reportable.

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-028 **Client Sample ID:** UMW-308-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 14:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.006**	mg/L	1	02/18/2020 13:55	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:52	162218
Barium	NELAP	0.0025		**0.110**	mg/L	1	02/17/2020 19:52	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:52	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:52	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:52	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:52	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:52	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 14:09	162225
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Acenaphthylene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Benzo(a)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Benzo(a)pyrene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Benzo(b)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Benzo(g,h,i)perylene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Benzo(k)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Chrysene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Dibenzo(a,h)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Fluoranthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Fluorene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Indeno(1,2,3-cd)pyrene	NELAP	0.000200	BH	**ND**	mg/L	1	02/24/2020 13:43	162419
Naphthalene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Phenanthrene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Pyrene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 13:43	162419
Surr: 2-Fluorobiphenyl	*	21.4-142	H	**90.3**	%REC	1	02/24/2020 13:43	162419
Surr: Nitrobenzene-d5	*	15-163	H	**76.6**	%REC	1	02/24/2020 13:43	162419
Surr: p-Terphenyl-d14	*	10-173	H	**121.0**	%REC	1	02/24/2020 13:43	162419

Sample required re-extraction out of hold time.

Elevated reporting limit due to limited sample.

Contamination present in the MBLK for Indeno(1,2,3-cd)pyrene. Sample results below the reporting limit are reportable per the TNI Standard.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 16:11	162245
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:11	162245
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 16:11	162245
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 16:11	162245
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**100.0**	%REC	1	02/14/2020 16:11	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.6**	%REC	1	02/14/2020 16:11	162245
Surr: Dibromofluoromethane	*	87.4-111		**100.9**	%REC	1	02/14/2020 16:11	162245
Surr: Toluene-d8	*	86.1-110		**96.4**	%REC	1	02/14/2020 16:11	162245

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-029 **Client Sample ID:** DUP 001-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.013**	mg/L	1	02/18/2020 14:04	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:55	162218
Barium	NELAP	0.0025		**0.0316**	mg/L	1	02/17/2020 19:55	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:55	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:55	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:55	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:55	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:55	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 14:13	162225
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000200	H	**0.000542**	mg/L	1	02/24/2020 14:26	162419
Acenaphthylene	NELAP	0.000200	H	**0.000345**	mg/L	1	02/24/2020 14:26	162419
Anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Benzo(a)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Benzo(a)pyrene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Benzo(b)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Benzo(g,h,i)perylene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Benzo(k)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Chrysene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Dibenzo(a,h)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Fluoranthene	NELAP	0.000400	H	**0.000442**	mg/L	1	02/24/2020 14:26	162419
Fluorene	NELAP	0.000200	H	**0.000276**	mg/L	1	02/24/2020 14:26	162419
Indeno(1,2,3-cd)pyrene	NELAP	0.000200	BH	**ND**	mg/L	1	02/24/2020 14:26	162419
Naphthalene	NELAP	0.0100	H	**0.0532**	mg/L	25	02/25/2020 12:05	162419
Phenanthrene	NELAP	0.000800	H	**0.00111**	mg/L	1	02/24/2020 14:26	162419
Pyrene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 14:26	162419
Surr: 2-Fluorobiphenyl	*	21.4-142	H	**93.0**	%REC	1	02/24/2020 14:26	162419
Surr: Nitrobenzene-d5	*	15-163	H	**77.4**	%REC	1	02/24/2020 14:26	162419
Surr: p-Terphenyl-d14	*	10-173	H	**119.2**	%REC	1	02/24/2020 14:26	162419

Sample required re-extraction out of hold time.

Elevated reporting limit due to limited sample.

Contamination present in the MBLK for Indeno(1,2,3-cd)pyrene. Sample results below the reporting limit are reportable per the TNI Standard.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**131**	µg/L	1	02/14/2020 16:38	162245
Ethylbenzene	NELAP	2.0		**15.5**	µg/L	1	02/14/2020 16:38	162245
Toluene	NELAP	2.0		**89.8**	µg/L	1	02/14/2020 16:38	162245
Xylenes, Total	NELAP	4.0		**44.3**	µg/L	1	02/14/2020 16:38	162245
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**94.3**	%REC	1	02/14/2020 16:38	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.0**	%REC	1	02/14/2020 16:38	162245
Surr: Dibromofluoromethane	*	87.4-111		**100.7**	%REC	1	02/14/2020 16:38	162245
Surr: Toluene-d8	*	86.1-110		**96.8**	%REC	1	02/14/2020 16:38	162245

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-030 **Client Sample ID:** DUP 002-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/18/2020 14:08	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 19:59	162218
Barium	NELAP	0.0025		**0.0209**	mg/L	1	02/17/2020 19:59	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 19:59	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 19:59	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 19:59	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 19:59	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 19:59	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 14:15	162225
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Acenaphthylene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Benzo(a)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Benzo(a)pyrene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Benzo(b)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Benzo(g,h,i)perylene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Benzo(k)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Chrysene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Dibenzo(a,h)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Fluoranthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Fluorene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Indeno(1,2,3-cd)pyrene	NELAP	0.000200	BH	**ND**	mg/L	1	02/24/2020 15:08	162419
Naphthalene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Phenanthrene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Pyrene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:08	162419
Surr: 2-Fluorobiphenyl	*	21.4-142	H	**93.5**	%REC	1	02/24/2020 15:08	162419
Surr: Nitrobenzene-d5	*	15-163	H	**81.6**	%REC	1	02/24/2020 15:08	162419
Surr: p-Terphenyl-d14	*	10-173	H	**129.8**	%REC	1	02/24/2020 15:08	162419

Sample required re-extraction out of hold time.

Elevated reporting limit due to limited sample.

Contamination present in the MBLK for Indeno(1,2,3-cd)pyrene. Sample results below the reporting limit are reportable per the TNI Standard.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**114**	µg/L	1	02/14/2020 17:04	162245
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 17:04	162245
Toluene	NELAP	2.0		**5.8**	µg/L	1	02/14/2020 17:04	162245
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 17:04	162245
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**95.6**	%REC	1	02/14/2020 17:04	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**99.1**	%REC	1	02/14/2020 17:04	162245
Surr: Dibromofluoromethane	*	87.4-111		**100.4**	%REC	1	02/14/2020 17:04	162245
Surr: Toluene-d8	*	86.1-110		**96.4**	%REC	1	02/14/2020 17:04	162245

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-031 **Client Sample ID:** DUP 003-WG-20200212

Matrix: GROUNDWATER **Collection Date:** 02/12/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.066**	mg/L	5	02/18/2020 15:09	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 20:03	162218
Barium	NELAP	0.0025		**0.0540**	mg/L	1	02/17/2020 20:03	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 20:03	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 20:03	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 20:03	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 20:03	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 20:03	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 14:28	162225
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000200	H	**0.000479**	mg/L	1	02/24/2020 15:50	162419
Acenaphthylene	NELAP	0.000200	H	**0.000505**	mg/L	1	02/24/2020 15:50	162419
Anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Benzo(a)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Benzo(a)pyrene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Benzo(b)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Benzo(g,h,i)perylene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Benzo(k)fluoranthene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Chrysene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Dibenzo(a,h)anthracene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Fluoranthene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Fluorene	NELAP	0.000200	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Indeno(1,2,3-cd)pyrene	NELAP	0.000200	BH	**ND**	mg/L	1	02/24/2020 15:50	162419
Naphthalene	NELAP	0.400	H	**1.96**	mg/L	1000	02/25/2020 12:46	162419
Phenanthrene	NELAP	0.000800	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Pyrene	NELAP	0.000400	H	**ND**	mg/L	1	02/24/2020 15:50	162419
Surr: 2-Fluorobiphenyl	*	21.4-142	H	**123.9**	%REC	1	02/24/2020 15:50	162419
Surr: Nitrobenzene-d5	*	15-163	H	**109.5**	%REC	1	02/24/2020 15:50	162419
Surr: p-Terphenyl-d14	*	10-173	H	**124.9**	%REC	1	02/24/2020 15:50	162419

Sample required re-extraction out of hold time.

Elevated reporting limit due to limited sample.

Contamination present in the MBLK for Indeno(1,2,3-cd)pyrene. Sample results below the reporting limit are reportable per the TNI Standard.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**343**	µg/L	10	02/16/2020 17:04	162265
Ethylbenzene	NELAP	20.0		**815**	µg/L	10	02/16/2020 17:04	162265
Toluene	NELAP	2.0		**8.2**	µg/L	1	02/14/2020 17:31	162245
Xylenes, Total	NELAP	40.0		**227**	µg/L	10	02/16/2020 17:04	162265
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**89.5**	%REC	1	02/14/2020 17:31	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.4**	%REC	1	02/14/2020 17:31	162245
Surr: Dibromofluoromethane	*	87.4-111		**99.0**	%REC	1	02/14/2020 17:31	162245
Surr: Toluene-d8	*	86.1-110		**94.7**	%REC	1	02/14/2020 17:31	162245

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-032 **Client Sample ID:** EB-01-WQ-20200210

Matrix: GROUNDWATER **Collection Date:** 02/10/2020 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/18/2020 14:38	162282
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/17/2020 20:06	162218
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	02/17/2020 20:06	162218
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/17/2020 20:06	162218
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/17/2020 20:06	162218
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/17/2020 20:06	162218
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/17/2020 20:06	162218
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/17/2020 20:06	162218
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/14/2020 14:31	162225
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 2:32	162251
Benzo(a)anthracene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 2:32	162251
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/17/2020 2:32	162251
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Chrysene	NELAP	0.000100	B	**ND**	mg/L	1	02/17/2020 2:32	162251
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Fluoranthene	NELAP	0.000200	B	**ND**	mg/L	1	02/17/2020 2:32	162251
Fluorene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	02/17/2020 2:32	162251
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	02/17/2020 2:32	162251
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	02/17/2020 2:32	162251
Pyrene	NELAP	0.000200	B	**ND**	mg/L	1	02/17/2020 2:32	162251
Surr: 2-Fluorobiphenyl	*	21.4-142		**98.0**	%REC	1	02/17/2020 2:32	162251
Surr: Nitrobenzene-d5	*	15-163		**86.8**	%REC	1	02/17/2020 2:32	162251
Surr: p-Terphenyl-d14	*	10-173		**112.6**	%REC	1	02/17/2020 2:32	162251

Contamination present in the MBLK. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 12:37	162245
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:37	162245
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 12:37	162245
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 12:37	162245
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**98.7**	%REC	1	02/14/2020 12:37	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**98.1**	%REC	1	02/14/2020 12:37	162245
Surr: Dibromofluoromethane	*	87.4-111		**101.3**	%REC	1	02/14/2020 12:37	162245
Surr: Toluene-d8	*	86.1-110		**98.7**	%REC	1	02/14/2020 12:37	162245

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Lab ID: 20020836-033 **Client Sample ID:** TB-01-WQ-202002

Matrix: TRIP BLANK **Collection Date:** 02/13/2020 16:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/14/2020 13:04	162245
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:04	162245
Toluene	NELAP	2.0		**ND**	µg/L	1	02/14/2020 13:04	162245
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/14/2020 13:04	162245
Surr: 1,2-Dichloroethane-d4	*	80.9-113		**97.9**	%REC	1	02/14/2020 13:04	162245
Surr: 4-Bromofluorobenzene	*	88.3-109		**99.4**	%REC	1	02/14/2020 13:04	162245
Surr: Dibromofluoromethane	*	87.4-111		**100.3**	%REC	1	02/14/2020 13:04	162245
Surr: Toluene-d8	*	86.1-110		**97.2**	%REC	1	02/14/2020 13:04	162245

Client: ERM
Client Project: Champaign GW

Work Order: 20020836
Report Date: 28-Feb-2020

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
20020836-001	UMW-102-WG-20200210	Groundwater	4	02/10/2020 15:40
20020836-002	UMW-105-WG-20200212	Groundwater	4	02/12/2020 11:30
20020836-003	UMW-106R-WG-20200212	Groundwater	4	02/12/2020 9:50
20020836-004	UMW-107R-WG-20200211	Groundwater	4	02/11/2020 14:50
20020836-005	UMW-108-WG-20200211	Groundwater	4	02/11/2020 12:40
20020836-006	UMW-109-WG-20200211	Groundwater	4	02/11/2020 11:05
20020836-007	UMW-111A-WG-20200211	Groundwater	4	02/11/2020 11:00
20020836-008	UMW-116-WG-20200211	Groundwater	4	02/11/2020 15:40
20020836-009	UMW-117-WG-20200211	Groundwater	4	02/11/2020 14:30
20020836-010	UMW-118-WG-20200211	Groundwater	4	02/11/2020 12:15
20020836-011	UMW-119-WG-20200211	Groundwater	4	02/11/2020 8:35
20020836-012	UMW-120-WG-20200210	Groundwater	4	02/10/2020 16:50
20020836-013	UMW-121-WG-20200212	Groundwater	4	02/12/2020 12:40
20020836-014	UMW-122-WG-20200211	Groundwater	4	02/11/2020 17:45
20020836-015	UMW-123-WG-20200212	Groundwater	4	02/12/2020 8:55
20020836-016	UMW-124-WG-20200212	Groundwater	4	02/12/2020 14:40
20020836-017	UMW-125-WG-20200212	Groundwater	4	02/12/2020 10:10
20020836-018	UMW-126-WG-20200212	Groundwater	4	02/12/2020 15:10
20020836-019	UMW-127-WG-20200212	Groundwater	4	02/12/2020 12:35
20020836-020	UMW-300-WG-20200211	Groundwater	4	02/11/2020 8:10
20020836-021	UMW-301R-WG-20200212	Groundwater	4	02/12/2020 13:10
20020836-022	UMW-302-WG-20200212	Groundwater	4	02/12/2020 13:20
20020836-023	UMW-303-WG-20200211	Groundwater	4	02/11/2020 15:45
20020836-024	UMW-304R-WG-20200212	Groundwater	4	02/12/2020 11:25
20020836-025	UMW-305-WG-20200212	Groundwater	4	02/12/2020 8:00
20020836-026	UMW-306-WG-20200211	Groundwater	4	02/11/2020 18:00
20020836-027	UMW-307-WG-20200211	Groundwater	4	02/11/2020 17:00
20020836-028	UMW-308-WG-20200212	Groundwater	4	02/12/2020 14:20
20020836-029	DUP 001-WG-20200212	Groundwater	4	02/12/2020 0:00
20020836-030	DUP 002-WG-20200212	Groundwater	4	02/12/2020 0:00
20020836-031	DUP 003-WG-20200212	Groundwater	4	02/12/2020 0:00
20020836-032	EB-01-WQ-20200210	Groundwater	4	02/10/2020 14:00
20020836-033	TB-01-WQ-202002	Trip Blank	1	02/13/2020 16:20

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20020836-001A	UMW-102-WG-20200210	02/10/2020 15:40	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 18:02
20020836-001B	UMW-102-WG-20200210	02/10/2020 15:40	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 1:47
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:39
20020836-001C	UMW-102-WG-20200210	02/10/2020 15:40	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 13:35
20020836-001D	UMW-102-WG-20200210	02/10/2020 15:40	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 10:19
20020836-002A	UMW-105-WG-20200212	02/12/2020 11:30	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 18:41
20020836-002B	UMW-105-WG-20200212	02/12/2020 11:30	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 1:50
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:41
20020836-002C	UMW-105-WG-20200212	02/12/2020 11:30	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 11:47
20020836-002D	UMW-105-WG-20200212	02/12/2020 11:30	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 10:46
20020836-003A	UMW-106R-WG-20200212	02/12/2020 9:50	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 19:19
20020836-003B	UMW-106R-WG-20200212	02/12/2020 9:50	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 1:54
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:43
20020836-003C	UMW-106R-WG-20200212	02/12/2020 9:50	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 13:44
20020836-003D	UMW-106R-WG-20200212	02/12/2020 9:50	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 11:13
20020836-004A	UMW-107R-WG-20200211	02/11/2020 14:50	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 19:59
20020836-004B	UMW-107R-WG-20200211	02/11/2020 14:50	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 1:58
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:45
20020836-004C	UMW-107R-WG-20200211	02/11/2020 14:50	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 16:15
20020836-004D	UMW-107R-WG-20200211	02/11/2020 14:50	02/13/2020 16:20		

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 11:40
20020836-005A	UMW-108-WG-20200211	02/11/2020 12:40	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 20:38
20020836-005B	UMW-108-WG-20200211	02/11/2020 12:40	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:01
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:52
20020836-005C	UMW-108-WG-20200211	02/11/2020 12:40	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 13:52
20020836-005D	UMW-108-WG-20200211	02/11/2020 12:40	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 12:06
20020836-006A	UMW-109-WG-20200211	02/11/2020 11:05	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 21:17
20020836-006B	UMW-109-WG-20200211	02/11/2020 11:05	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:05
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 11:55
20020836-006C	UMW-109-WG-20200211	02/11/2020 11:05	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:18
20020836-006D	UMW-109-WG-20200211	02/11/2020 11:05	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 12:49
20020836-007A	UMW-111A-WG-20200211	02/11/2020 11:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 21:57
20020836-007B	UMW-111A-WG-20200211	02/11/2020 11:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:09
	SW-846 7470A (Total)			02/13/2020 18:31	02/14/2020 12:03
20020836-007C	UMW-111A-WG-20200211	02/11/2020 11:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:22
20020836-007D	UMW-111A-WG-20200211	02/11/2020 11:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 13:17
20020836-008A	UMW-116-WG-20200211	02/11/2020 15:40	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 22:36
20020836-008B	UMW-116-WG-20200211	02/11/2020 15:40	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:20
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 12:50
20020836-008C	UMW-116-WG-20200211	02/11/2020 15:40	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:27

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20020836-008D	UMW-116-WG-20200211	02/11/2020 15:40	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 13:44
20020836-009A	UMW-117-WG-20200211	02/11/2020 14:30	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 15:40	02/16/2020 23:15
20020836-009B	UMW-117-WG-20200211	02/11/2020 14:30	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:34
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 12:58
20020836-009C	UMW-117-WG-20200211	02/11/2020 14:30	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:36
20020836-009D	UMW-117-WG-20200211	02/11/2020 14:30	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 14:10
20020836-010A	UMW-118-WG-20200211	02/11/2020 12:15	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 12:52
20020836-010B	UMW-118-WG-20200211	02/11/2020 12:15	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:38
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:01
20020836-010C	UMW-118-WG-20200211	02/11/2020 12:15	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:40
20020836-010D	UMW-118-WG-20200211	02/11/2020 12:15	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 14:37
20020836-011A	UMW-119-WG-20200211	02/11/2020 8:35	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 13:32
20020836-011B	UMW-119-WG-20200211	02/11/2020 8:35	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:42
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:03
20020836-011C	UMW-119-WG-20200211	02/11/2020 8:35	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:44
20020836-011D	UMW-119-WG-20200211	02/11/2020 8:35	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 15:04
20020836-012A	UMW-120-WG-20200210	02/10/2020 16:50	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 19:04	02/16/2020 23:55
20020836-012B	UMW-120-WG-20200210	02/10/2020 16:50	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:45
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:05
20020836-012C	UMW-120-WG-20200210	02/10/2020 16:50	02/13/2020 16:20		

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 14:48
20020836-012D	UMW-120-WG-20200210	02/10/2020 16:50	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 15:31
20020836-013A	UMW-121-WG-20200212	02/12/2020 12:40	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 14:12
20020836-013B	UMW-121-WG-20200212	02/12/2020 12:40	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:49
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:07
20020836-013C	UMW-121-WG-20200212	02/12/2020 12:40	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/18/2020 12:07
20020836-013D	UMW-121-WG-20200212	02/12/2020 12:40	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 15:58
20020836-014A	UMW-122-WG-20200211	02/11/2020 17:45	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 14:52
20020836-014B	UMW-122-WG-20200211	02/11/2020 17:45	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:53
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:10
20020836-014C	UMW-122-WG-20200211	02/11/2020 17:45	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:01
20020836-014D	UMW-122-WG-20200211	02/11/2020 17:45	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:25
20020836-015A	UMW-123-WG-20200212	02/12/2020 8:55	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 15:32
20020836-015B	UMW-123-WG-20200212	02/12/2020 8:55	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 2:56
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:12
20020836-015C	UMW-123-WG-20200212	02/12/2020 8:55	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 12:04
20020836-015D	UMW-123-WG-20200212	02/12/2020 8:55	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:51
20020836-016A	UMW-124-WG-20200212	02/12/2020 14:40	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 16:12
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/21/2020 10:18
20020836-016B	UMW-124-WG-20200212	02/12/2020 14:40	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 3:00

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:14
20020836-016C	UMW-124-WG-20200212	02/12/2020 14:40	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:06
20020836-016D	UMW-124-WG-20200212	02/12/2020 14:40	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:18
20020836-017A	UMW-125-WG-20200212	02/12/2020 10:10	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 16:51
20020836-017B	UMW-125-WG-20200212	02/12/2020 10:10	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 3:22
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:16
20020836-017C	UMW-125-WG-20200212	02/12/2020 10:10	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:32
20020836-017D	UMW-125-WG-20200212	02/12/2020 10:10	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:45
20020836-018A	UMW-126-WG-20200212	02/12/2020 15:10	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/18/2020 17:31
20020836-018B	UMW-126-WG-20200212	02/12/2020 15:10	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/13/2020 21:26	02/15/2020 3:04
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:19
20020836-018C	UMW-126-WG-20200212	02/12/2020 15:10	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:36
20020836-018D	UMW-126-WG-20200212	02/12/2020 15:10	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 18:11
20020836-019A	UMW-127-WG-20200212	02/12/2020 12:35	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 14:50	02/28/2020 10:51
20020836-019B	UMW-127-WG-20200212	02/12/2020 12:35	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 18:53
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:25
20020836-019C	UMW-127-WG-20200212	02/12/2020 12:35	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:40
20020836-019D	UMW-127-WG-20200212	02/12/2020 12:35	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 14:55
20020836-020A	UMW-300-WG-20200211	02/11/2020 8:10	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/28/2020 11:31
20020836-020B	UMW-300-WG-20200211	02/11/2020 8:10	02/13/2020 16:20		

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 18:57
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:29
20020836-020C	UMW-300-WG-20200211	02/11/2020 8:10	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:45
20020836-020D	UMW-300-WG-20200211	02/11/2020 8:10	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 15:21
20020836-021A	UMW-301R-WG-20200212	02/12/2020 13:10	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/28/2020 12:13
20020836-021B	UMW-301R-WG-20200212	02/12/2020 13:10	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:00
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:31
20020836-021C	UMW-301R-WG-20200212	02/12/2020 13:10	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 15:53
20020836-021D	UMW-301R-WG-20200212	02/12/2020 13:10	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 15:47
20020836-022A	UMW-302-WG-20200212	02/12/2020 13:20	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/27/2020 11:29
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/27/2020 14:57
20020836-022B	UMW-302-WG-20200212	02/12/2020 13:20	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:04
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:33
20020836-022C	UMW-302-WG-20200212	02/12/2020 13:20	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/18/2020 12:11
20020836-022D	UMW-302-WG-20200212	02/12/2020 13:20	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:13
20020836-023A	UMW-303-WG-20200211	02/11/2020 15:45	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/20/2020 17:27
20020836-023B	UMW-303-WG-20200211	02/11/2020 15:45	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:08
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:35
20020836-023C	UMW-303-WG-20200211	02/11/2020 15:45	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 16:02
20020836-023D	UMW-303-WG-20200211	02/11/2020 15:45	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:39
20020836-024A	UMW-304R-WG-20200212	02/12/2020 11:25	02/13/2020 16:20		

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/20/2020 18:09
20020836-024B	UMW-304R-WG-20200212	02/12/2020 11:25	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:11
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:38
20020836-024C	UMW-304R-WG-20200212	02/12/2020 11:25	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 16:07
20020836-024D	UMW-304R-WG-20200212	02/12/2020 11:25	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:04
20020836-025A	UMW-305-WG-20200212	02/12/2020 8:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 19:04	02/17/2020 0:34
20020836-025B	UMW-305-WG-20200212	02/12/2020 8:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:15
	SW-846 7470A (Total)			02/14/2020 8:31	02/14/2020 13:40
20020836-025C	UMW-305-WG-20200212	02/12/2020 8:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/14/2020 16:37	02/17/2020 12:21
20020836-025D	UMW-305-WG-20200212	02/12/2020 8:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/17/2020 10:23
20020836-026A	UMW-306-WG-20200211	02/11/2020 18:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/17/2020 16:27	02/20/2020 18:51
20020836-026B	UMW-306-WG-20200211	02/11/2020 18:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:26
	SW-846 7470A (Total)			02/14/2020 8:15	02/14/2020 13:48
20020836-026C	UMW-306-WG-20200211	02/11/2020 18:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 13:51
20020836-026D	UMW-306-WG-20200211	02/11/2020 18:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:30
20020836-027A	UMW-307-WG-20200211	02/11/2020 17:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/24/2020 11:39
20020836-027B	UMW-307-WG-20200211	02/11/2020 17:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:41
	SW-846 7470A (Total)			02/14/2020 8:31	02/14/2020 13:55
20020836-027C	UMW-307-WG-20200211	02/11/2020 17:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 13:25
20020836-027D	UMW-307-WG-20200211	02/11/2020 17:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/17/2020 10:51

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20020836-028A	UMW-308-WG-20200212	02/12/2020 14:20	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/24/2020 13:43
20020836-028B	UMW-308-WG-20200212	02/12/2020 14:20	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:52
	SW-846 7470A (Total)			02/14/2020 8:33	02/14/2020 14:09
20020836-028C	UMW-308-WG-20200212	02/12/2020 14:20	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 13:55
20020836-028D	UMW-308-WG-20200212	02/12/2020 14:20	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:11
20020836-029A	DUP 001-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/24/2020 14:26
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/25/2020 12:05
20020836-029B	DUP 001-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:55
	SW-846 7470A (Total)			02/14/2020 8:33	02/14/2020 14:13
20020836-029C	DUP 001-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 14:04
20020836-029D	DUP 001-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 16:38
20020836-030A	DUP 002-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/24/2020 15:08
20020836-030B	DUP 002-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 19:59
	SW-846 7470A (Total)			02/14/2020 8:33	02/14/2020 14:15
20020836-030C	DUP 002-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 14:08
20020836-030D	DUP 002-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:04
20020836-031A	DUP 003-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/24/2020 15:50
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/21/2020 13:02	02/25/2020 12:46
20020836-031B	DUP 003-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 20:03
	SW-846 7470A (Total)			02/14/2020 8:33	02/14/2020 14:28
20020836-031C	DUP 003-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 15:09
20020836-031D	DUP 003-WG-20200212	02/12/2020 0:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 17:31
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/16/2020 17:04
20020836-032A	EB-01-WQ-20200210	02/10/2020 14:00	02/13/2020 16:20		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/14/2020 19:04	02/17/2020 2:32
20020836-032B	EB-01-WQ-20200210	02/10/2020 14:00	02/13/2020 16:20		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/14/2020 10:52	02/17/2020 20:06
	SW-846 7470A (Total)			02/14/2020 8:33	02/14/2020 14:31
20020836-032C	EB-01-WQ-20200210	02/10/2020 14:00	02/13/2020 16:20		
	SW-846 9012A (Total)			02/17/2020 15:41	02/18/2020 14:38
20020836-032D	EB-01-WQ-20200210	02/10/2020 14:00	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 12:37
20020836-033A	TB-01-WQ-202002	02/13/2020 16:20	02/13/2020 16:20		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/14/2020 13:04

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SW-846 9012A (TOTAL)

Batch 162247 **SampType:** MBLK Units **mg/L**
SampID: MBLK 200214 TCN2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**< 0.005**	0.003000	0	0	-100	100	02/17/2020

Batch 162247 **SampType:** LCS Units **mg/L**
SampID: LCS 200214 TCN2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.025**	0.02500	0	100.7	90	110	02/17/2020

Batch 162247 **SampType:** MS Units **mg/L**
SampID: 20020836-002CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005	E	**0.065**	0.02500	0.03746	108.8	75	125	02/17/2020

Batch 162247 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20020836-002CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005	E	**0.065**	0.02500	0.03746	108.8	0.06466	0.01	02/17/2020

Batch 162248 **SampType:** MBLK Units **mg/L**
SampID: MBLK 200214 TCN3

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**< 0.005**	0.003000	0	0	-100	100	02/17/2020

Batch 162248 **SampType:** LCS Units **mg/L**
SampID: LCS 200214 TCN3

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.026**	0.02500	0	103.7	85	115	02/17/2020

Batch 162248 **SampType:** MS Units **mg/L**
SampID: 20020836-015CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.027**	0.02500	0	107.2	75	125	02/17/2020

Batch 162248 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20020836-015CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005	R	**0.022**	0.02500	0	89.3	0.02680	18.24	02/17/2020

Batch 162248 **SampType:** MS Units **mg/L**
SampID: 20020836-025CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.030**	0.02500	0.007580	90.9	75	125	02/17/2020

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Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 9012A (TOTAL)

Batch 162248 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 20020836-025CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.032**	0.02500	0.007580	99.1	0.03030	6.55	02/17/2020

Batch 162282 **SampType:** MBLK Units **mg/L**

SampID: MBLK 200217 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**< 0.005**	0.00300	0	0	-100	100	02/18/2020

Batch 162282 **SampType:** LCS Units **mg/L**

SampID: LCS 200217 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.025**	0.02500	0	101.2	90	110	02/18/2020

Batch 162282 **SampType:** MS Units **mg/L**

SampID: 20020836-027CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005	E	**0.067**	0.02500	0.04586	82.6	75	125	02/18/2020

Batch 162282 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 20020836-027CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005	E	**0.065**	0.02500	0.04586	75.2	0.06652	2.84	02/18/2020

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 162216 **SampType:** MBLK Units **mg/L**

SampID: MBLK-162216

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**< 0.0250**	0.00870	0	0	-100	100	02/15/2020
Barium	0.0025		**< 0.0025**	.000700	0	0	-100	100	02/15/2020
Cadmium	0.0020		**< 0.0020**	.000500	0	0	-100	100	02/15/2020
Chromium	0.0050		**< 0.0050**	0.00280	0	0	-100	100	02/15/2020
Lead	0.0150		**< 0.0150**	0.00140	0	0	-100	100	02/15/2020
Selenium	0.0400		**< 0.0400**	0.01700	0	0	-100	100	02/15/2020
Silver	0.0070		**< 0.0070**	0.00270	0	0	-100	100	02/15/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 162216 **SampType:** LCS Units **mg/L**

SampID: LCS-162216

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.522**	0.5000	0	104.3	85	115	02/15/2020
Barium	0.0025		**2.10**	2.000	0	104.8	85	115	02/15/2020
Cadmium	0.0020		**0.0495**	0.05000	0	99.0	85	115	02/15/2020
Chromium	0.0050		**0.195**	0.2000	0	97.6	85	115	02/15/2020
Lead	0.0150		**0.497**	0.5000	0	99.3	85	115	02/15/2020
Selenium	0.0400		**0.483**	0.5000	0	96.7	85	115	02/15/2020
Silver	0.0070		**0.0503**	0.05000	0	100.6	85	115	02/15/2020

Batch 162216 **SampType:** MS Units **mg/L**

SampID: 20020836-007BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.536**	0.5000	0	107.3	75	125	02/15/2020
Barium	0.0025		**2.18**	2.000	0.05030	106.7	75	125	02/15/2020
Cadmium	0.0020		**0.0495**	0.05000	0	99.0	75	125	02/15/2020
Chromium	0.0050		**0.197**	0.2000	0	98.5	75	125	02/15/2020
Lead	0.0150		**0.498**	0.5000	0	99.7	75	125	02/15/2020
Selenium	0.0400		**0.492**	0.5000	0	98.5	75	125	02/15/2020
Silver	0.0070		**0.0517**	0.05000	0	103.4	75	125	02/15/2020

Batch 162216 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20020836-007BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.540**	0.5000	0	108.0	0.5363	0.71	02/15/2020
Barium	0.0025		**2.20**	2.000	0.05030	107.7	2.184	0.96	02/15/2020
Cadmium	0.0020		**0.0499**	0.05000	0	99.8	0.04950	0.80	02/15/2020
Chromium	0.0050		**0.198**	0.2000	0	99.0	0.1969	0.51	02/15/2020
Lead	0.0150		**0.501**	0.5000	0	100.1	0.4985	0.44	02/15/2020
Selenium	0.0400		**0.493**	0.5000	0	98.6	0.4925	0.14	02/15/2020
Silver	0.0070		**0.0520**	0.05000	0	104.0	0.05170	0.58	02/15/2020

Batch 162216 **SampType:** MS Units **mg/L**

SampID: 20020836-017BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.541**	0.5000	0	108.2	75	125	02/15/2020
Barium	0.0025		**2.19**	2.000	0.009000	109.0	75	125	02/15/2020
Cadmium	0.0020		**0.0504**	0.05000	0.001300	98.2	75	125	02/15/2020
Chromium	0.0050		**0.197**	0.2000	0	98.4	75	125	02/15/2020
Lead	0.0150		**0.496**	0.5000	0	99.2	75	125	02/15/2020
Selenium	0.0400		**0.509**	0.5000	0	101.9	75	125	02/15/2020
Silver	0.0070		**0.0528**	0.05000	0	105.6	75	125	02/15/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 162216 **SampType: MSD** Units **mg/L** RPD Limit **20**

SampID: 20020836-017BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.541**	0.5000	0	108.2	0.5412	0.07	02/15/2020
Barium	0.0025		**2.16**	2.000	0.009000	107.4	2.189	1.43	02/15/2020
Cadmium	0.0020		**0.0497**	0.05000	0.001300	96.8	0.05040	1.40	02/15/2020
Chromium	0.0050		**0.195**	0.2000	0	97.4	0.1968	1.02	02/15/2020
Lead	0.0150		**0.493**	0.5000	0	98.6	0.4958	0.61	02/15/2020
Selenium	0.0400		**0.500**	0.5000	0	100.0	0.5094	1.90	02/15/2020
Silver	0.0070		**0.0522**	0.05000	0	104.4	0.05280	1.14	02/15/2020

Batch 162218 **SampType: MBLK** Units **mg/L**

SampID: MBLK-162218

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**< 0.0250**	0.008700	0	0	-100	100	02/17/2020
Barium	0.0025		**< 0.0025**	0.007000	0	0	-100	100	02/17/2020
Cadmium	0.0020		**< 0.0020**	0.005000	0	0	-100	100	02/17/2020
Chromium	0.0050		**< 0.0050**	0.002800	0	0	-100	100	02/17/2020
Lead	0.0150		**< 0.0150**	0.001400	0	0	-100	100	02/17/2020
Selenium	0.0400		**< 0.0400**	0.01700	0	0	-100	100	02/17/2020
Silver	0.0070		**< 0.0070**	0.002700	0	0	-100	100	02/17/2020

Batch 162218 **SampType: LCS** Units **mg/L**

SampID: LCS-162218

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.556**	0.5000	0	111.1	85	115	02/17/2020
Barium	0.0025		**2.12**	2.000	0	106.2	85	115	02/17/2020
Cadmium	0.0020		**0.0528**	0.05000	0	105.6	85	115	02/17/2020
Chromium	0.0050		**0.209**	0.2000	0	104.6	85	115	02/17/2020
Lead	0.0150		**0.525**	0.5000	0	105.0	85	115	02/17/2020
Selenium	0.0400		**0.537**	0.5000	0	107.4	85	115	02/17/2020
Silver	0.0070		**0.0528**	0.05000	0	105.6	85	115	02/17/2020

Batch 162218 **SampType: MS** Units **mg/L**

SampID: 20020836-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.552**	0.5000	0	110.5	75	125	02/17/2020
Barium	0.0025		**2.17**	2.000	0.09990	103.6	75	125	02/17/2020
Cadmium	0.0020		**0.0510**	0.05000	0	102.0	75	125	02/17/2020
Chromium	0.0050		**0.202**	0.2000	0	100.8	75	125	02/17/2020
Lead	0.0150		**0.508**	0.5000	0	101.6	75	125	02/17/2020
Selenium	0.0400		**0.525**	0.5000	0	105.0	75	125	02/17/2020
Silver	0.0070		**0.0522**	0.05000	0	104.4	75	125	02/17/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3005A, 6010B, METALS BY ICP (TOTAL)

Batch 162218 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20020836-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.561**	0.5000	0	112.2	0.5525	1.51	02/17/2020
Barium	0.0025		**2.22**	2.000	0.09990	105.9	2.172	2.05	02/17/2020
Cadmium	0.0020		**0.0517**	0.05000	0	103.4	0.05100	1.36	02/17/2020
Chromium	0.0050		**0.207**	0.2000	0	103.6	0.2017	2.74	02/17/2020
Lead	0.0150		**0.518**	0.5000	0	103.6	0.5082	1.89	02/17/2020
Selenium	0.0400		**0.539**	0.5000	0	107.8	0.5251	2.61	02/17/2020
Silver	0.0070		**0.0532**	0.05000	0	106.4	0.05220	1.90	02/17/2020

Batch 162218 **SampType:** MS Units **mg/L**

SampID: 20020836-027BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.570**	0.5000	0	114.0	75	125	02/17/2020
Barium	0.0025		**2.26**	2.000	0.1154	107.2	75	125	02/17/2020
Cadmium	0.0020		**0.0527**	0.05000	0	105.4	75	125	02/17/2020
Chromium	0.0050		**0.211**	0.2000	0	105.6	75	125	02/17/2020
Lead	0.0150		**0.527**	0.5000	0	105.5	75	125	02/17/2020
Selenium	0.0400		**0.546**	0.5000	0	109.1	75	125	02/17/2020
Silver	0.0070		**0.0540**	0.05000	0	108.0	75	125	02/17/2020

Batch 162218 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20020836-027BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.558**	0.5000	0	111.5	0.5699	2.16	02/17/2020
Barium	0.0025		**2.22**	2.000	0.1154	105.2	2.259	1.79	02/17/2020
Cadmium	0.0020		**0.0519**	0.05000	0	103.8	0.05270	1.53	02/17/2020
Chromium	0.0050		**0.207**	0.2000	0	103.6	0.2112	1.91	02/17/2020
Lead	0.0150		**0.514**	0.5000	0	102.8	0.5274	2.59	02/17/2020
Selenium	0.0400		**0.532**	0.5000	0	106.3	0.5457	2.62	02/17/2020
Silver	0.0070		**0.0530**	0.05000	0	106.0	0.05400	1.87	02/17/2020

SW-846 7470A (TOTAL)

Batch 162211 **SampType:** MBLK Units **mg/L**

SampID: MBLK-162211

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	000055(	0	0	-100	100	02/14/2020

Batch 162211 **SampType:** LCS Units **mg/L**

SampID: LCS-162211

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00514**	).00500(	0	102.8	85	115	02/14/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 7470A (TOTAL)

Batch 162211 **SampType:** MS Units **mg/L**
SampID: 20020836-006BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00522**	0.00500	0	104.4	75	125	02/14/2020

Batch 162211 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20020836-006BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00532**	0.00500	0	106.4	0.005218	1.98	02/14/2020

Batch 162224 **SampType:** MBLK Units **mg/L**
SampID: MBLK-162224

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	0.00055	0	0	-100	100	02/14/2020

Batch 162224 **SampType:** LCS Units **mg/L**
SampID: LCS-162224

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00550**	0.00500	0	110.0	85	115	02/14/2020

Batch 162224 **SampType:** MS Units **mg/L**
SampID: 20020836-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00565**	0.00500	0	113.0	75	125	02/14/2020

Batch 162224 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20020836-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00545**	0.00500	0	109.0	0.005651	3.62	02/14/2020

Batch 162224 **SampType:** MS Units **mg/L**
SampID: 20020836-027BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00536**	0.00500	0	107.2	75	125	02/14/2020

Batch 162224 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20020836-027BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00516**	0.00500	0	103.1	0.005360	3.87	02/14/2020

Batch 162225 **SampType:** MBLK Units **mg/L**
SampID: MBLK-162225

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	0.00055	0	0	-100	100	02/14/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 7470A (TOTAL)

Batch 162225 **SampType:** LCS Units **mg/L**

SampID: LCS-162225

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00535**	0.00500	0	107.0	85	115	02/14/2020

Batch 162225 **SampType:** MS Units **mg/L**

SampID: 20020836-030BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00543**	0.00500	0	108.6	75	125	02/14/2020

Batch 162225 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 20020836-030BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00522**	0.00500	0	104.5	0.005430	3.85	02/14/2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162251 **SampType:** MBLK Units **mg/L**

SampID: MBLK-162251

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						02/16/2020
Acenaphthylene	0.000100		**ND**						02/16/2020
Anthracene	0.000100		**0.000187**						02/16/2020
Benzo(a)anthracene	0.000100		**ND**						02/16/2020
Benzo(a)pyrene	0.000100		**ND**						02/16/2020
Benzo(b)fluoranthene	0.000100		**ND**						02/16/2020
Benzo(g,h,i)perylene	0.000200		**ND**						02/16/2020
Benzo(k)fluoranthene	0.000100		**ND**						02/16/2020
Chrysene	0.000100		**ND**						02/16/2020
Dibenzo(a,h)anthracene	0.000100		**ND**						02/16/2020
Fluoranthene	0.000200		**0.000248**						02/16/2020
Fluorene	0.000100		**ND**						02/16/2020
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						02/16/2020
Naphthalene	0.000200		**ND**						02/16/2020
Phenanthrene	0.000400		**ND**						02/16/2020
Pyrene	0.000200		**0.000216**						02/16/2020
Surr: 2-Fluorobiphenyl			**0.000972**	0.00100		97.2	51.8	120	02/16/2020
Surr: Nitrobenzene-d5			**0.000844**	0.00100		84.4	48.3	123	02/16/2020
Surr: p-Terphenyl-d14			**0.00126**	0.00100		125.7	67.1	164	02/16/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162251 **SampType:** LCS Units **mg/L**

SampID: LCS-162251

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00151**	0.00200	0	75.5	55.8	109	02/16/2020
Acenaphthylene	0.000100		**0.00164**	0.00200	0	82.0	52.3	129	02/16/2020
Anthracene	0.000100	B	**0.00174**	0.00200	0	87.1	54.9	113	02/16/2020
Benzo(a)anthracene	0.000100	B	**0.00164**	0.00200	0	82.2	59.8	110	02/16/2020
Benzo(a)pyrene	0.000100		**0.00216**	0.00200	0	107.8	64.6	131	02/16/2020
Benzo(b)fluoranthene	0.000100		**0.00204**	0.00200	0	101.8	61.3	133	02/16/2020
Benzo(g,h,i)perylene	0.000200		**0.00182**	0.00200	0	90.8	54.8	130	02/16/2020
Benzo(k)fluoranthene	0.000100		**0.00173**	0.00200	0	86.3	61.1	119	02/16/2020
Chrysene	0.000100	B	**0.00166**	0.00200	0	83.2	54.8	122	02/16/2020
Dibenzo(a,h)anthracene	0.000100		**0.00218**	0.00200	0	109.1	58.5	146	02/16/2020
Fluoranthene	0.000200	B	**0.00181**	0.00200	0	90.3	62.2	119	02/16/2020
Fluorene	0.000100		**0.00162**	0.00200	0	80.8	56.3	115	02/16/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00198**	0.00200	0	99.1	56.8	156	02/16/2020
Naphthalene	0.000200		**0.00142**	0.00200	0	71.2	52	103	02/16/2020
Phenanthrene	0.000400		**0.00181**	0.00200	0	90.4	64.7	117	02/16/2020
Pyrene	0.000200	B	**0.00181**	0.00200	0	90.6	56.7	122	02/16/2020
Surr: 2-Fluorobiphenyl			**0.000867**	0.00100		86.7	51.8	120	02/16/2020
Surr: Nitrobenzene-d5			**0.000838**	0.00100		83.8	48.3	123	02/16/2020
Surr: p-Terphenyl-d14			**0.00116**	0.00100		115.7	67.1	164	02/16/2020

Batch 162251 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-162251

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00161**	0.00200	0	80.7	0.001511	6.62	02/16/2020
Acenaphthylene	0.000100		**0.00177**	0.00200	0	88.6	0.001639	7.85	02/16/2020
Anthracene	0.000100	B	**0.00170**	0.00200	0	84.8	0.001741	2.61	02/16/2020
Benzo(a)anthracene	0.000100	B	**0.00176**	0.00200	0	88.0	0.001645	6.80	02/16/2020
Benzo(a)pyrene	0.000100		**0.00226**	0.00200	0	113.0	0.002156	4.69	02/16/2020
Benzo(b)fluoranthene	0.000100		**0.00235**	0.00200	0	117.6	0.002035	14.45	02/16/2020
Benzo(g,h,i)perylene	0.000200		**0.00195**	0.00200	0	97.6	0.001816	7.22	02/16/2020
Benzo(k)fluoranthene	0.000100		**0.00168**	0.00200	0	83.9	0.001727	2.93	02/16/2020
Chrysene	0.000100	B	**0.00174**	0.00200	0	86.8	0.001664	4.26	02/16/2020
Dibenzo(a,h)anthracene	0.000100		**0.00232**	0.00200	0	115.9	0.002182	6.01	02/16/2020
Fluoranthene	0.000200	B	**0.00177**	0.00200	0	88.4	0.001805	2.13	02/16/2020
Fluorene	0.000100		**0.00170**	0.00200	0	85.1	0.001617	5.15	02/16/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00211**	0.00200	0	105.3	0.001981	6.06	02/16/2020
Naphthalene	0.000200		**0.00152**	0.00200	0	75.9	0.001424	6.44	02/16/2020
Phenanthrene	0.000400		**0.00175**	0.00200	0	87.6	0.001808	3.19	02/16/2020
Pyrene	0.000200	B	**0.00177**	0.00200	0	88.4	0.001812	2.49	02/16/2020
Surr: 2-Fluorobiphenyl			**0.000903**	0.00100		90.3			02/16/2020
Surr: Nitrobenzene-d5			**0.000828**	0.00100		82.8			02/16/2020
Surr: p-Terphenyl-d14			**0.00118**	0.00100		117.5			02/16/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162251 **SampType:** MS Units **mg/L**

SampID: 20020836-025AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00166**	0.00200	0	83.0	28.3	133	02/17/2020
Acenaphthylene	0.000100		**0.00183**	0.00200	0	91.3	5	176	02/17/2020
Anthracene	0.000100	B	**0.00173**	0.00200	0	86.3	34.6	131	02/17/2020
Benzo(a)anthracene	0.000100	B	**0.00178**	0.00200	0	89.2	40.3	132	02/17/2020
Benzo(a)pyrene	0.000100		**0.00226**	0.00200	0	113.0	40.8	132	02/17/2020
Benzo(b)fluoranthene	0.000100		**0.00223**	0.00200	0.00005930	108.4	41.9	132	02/17/2020
Benzo(g,h,i)perylene	0.000200		**0.00190**	0.00200	0	95.2	46	132	02/17/2020
Benzo(k)fluoranthene	0.000100		**0.00178**	0.00200	0	89.2	49.4	126	02/17/2020
Chrysene	0.000100	B	**0.00169**	0.00200	0.00005810	81.8	46.1	129	02/17/2020
Dibenzo(a,h)anthracene	0.000100		**0.00229**	0.00200	0	114.7	42.1	146	02/17/2020
Fluoranthene	0.000200	B	**0.00180**	0.00200	0	89.9	23.9	164	02/17/2020
Fluorene	0.000100		**0.00174**	0.00200	0	86.8	24.3	148	02/17/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00207**	0.00200	0.00008820	99.1	26.6	157	02/17/2020
Naphthalene	0.000200		**0.00160**	0.00200	0	80.1	24.2	132	02/17/2020
Phenanthrene	0.000400		**0.00172**	0.00200	0	85.9	36.6	139	02/17/2020
Pyrene	0.000200	B	**0.00179**	0.00200	0	89.3	14.6	169	02/17/2020
Surr: 2-Fluorobiphenyl			**0.000978**	0.00100		97.8	21.4	142	02/17/2020
Surr: Nitrobenzene-d5			**0.000926**	0.00100		92.6	15	163	02/17/2020
Surr: p-Terphenyl-d14			**0.00125**	0.00100		125.1	10	173	02/17/2020

Batch 162251 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 20020836-025AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00167**	0.00200	0	83.6	0.001660	0.70	02/17/2020
Acenaphthylene	0.000100		**0.00184**	0.00200	0	92.1	0.001827	0.80	02/17/2020
Anthracene	0.000100	B	**0.00175**	0.00200	0	87.5	0.001726	1.39	02/17/2020
Benzo(a)anthracene	0.000100	B	**0.00179**	0.00200	0	89.5	0.001784	0.33	02/17/2020
Benzo(a)pyrene	0.000100		**0.00230**	0.00200	0	115.1	0.002260	1.87	02/17/2020
Benzo(b)fluoranthene	0.000100		**0.00235**	0.00200	0.00005930	114.7	0.002227	5.46	02/17/2020
Benzo(g,h,i)perylene	0.000200		**0.00193**	0.00200	0	96.7	0.001904	1.57	02/17/2020
Benzo(k)fluoranthene	0.000100		**0.00176**	0.00200	0	88.1	0.001784	1.30	02/17/2020
Chrysene	0.000100	B	**0.00174**	0.00200	0.00005810	84.3	0.001693	2.98	02/17/2020
Dibenzo(a,h)anthracene	0.000100		**0.00232**	0.00200	0	115.8	0.002294	0.97	02/17/2020
Fluoranthene	0.000200	B	**0.00182**	0.00200	0	90.8	0.001799	0.92	02/17/2020
Fluorene	0.000100		**0.00175**	0.00200	0	87.7	0.001735	1.11	02/17/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00212**	0.00200	0.00008820	101.6	0.002071	2.32	02/17/2020
Naphthalene	0.000200		**0.00168**	0.00200	0	83.8	0.001602	4.53	02/17/2020
Phenanthrene	0.000400		**0.00176**	0.00200	0	88.0	0.001717	2.48	02/17/2020
Pyrene	0.000200	B	**0.00180**	0.00200	0	90.2	0.001786	1.03	02/17/2020
Surr: 2-Fluorobiphenyl			**0.00104**	0.00100		104.2			02/17/2020
Surr: Nitrobenzene-d5			**0.000924**	0.00100		92.4			02/17/2020
Surr: p-Terphenyl-d14			**0.00128**	0.00100		128.1			02/17/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162284 **SampType:** MBLK Units **mg/L**

SampID: MBLK-162284

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						02/18/2020
Acenaphthylene	0.000100		**ND**						02/18/2020
Anthracene	0.000100		**ND**						02/18/2020
Benzo(a)anthracene	0.000100		**ND**						02/18/2020
Benzo(a)pyrene	0.000100		**ND**						02/18/2020
Benzo(b)fluoranthene	0.000100		**ND**						02/18/2020
Benzo(g,h,i)perylene	0.000200		**ND**						02/18/2020
Benzo(k)fluoranthene	0.000100		**ND**						02/18/2020
Chrysene	0.000100		**ND**						02/18/2020
Dibenzo(a,h)anthracene	0.000100		**ND**						02/18/2020
Fluoranthene	0.000200		**ND**						02/18/2020
Fluorene	0.000100		**ND**						02/18/2020
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						02/18/2020
Naphthalene	0.000200		**ND**						02/18/2020
Phenanthrene	0.000400		**ND**						02/18/2020
Pyrene	0.000200		**ND**						02/18/2020
Surr: 2-Fluorobiphenyl			**0.000849**	0.00100		84.9	51.8	120	02/18/2020
Surr: Nitrobenzene-d5			**0.000924**	0.00100		92.4	48.3	123	02/18/2020
Surr: p-Terphenyl-d14			**0.00117**	0.00100		117.2	67.1	164	02/18/2020

Batch 162284 **SampType:** LCS Units **mg/L**

SampID: LCS-162284

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00132**	0.00200	0	66.1	55.8	109	02/18/2020
Acenaphthylene	0.000100		**0.00146**	0.00200	0	73.0	52.3	129	02/18/2020
Anthracene	0.000100		**0.00166**	0.00200	0	83.1	54.9	113	02/18/2020
Benzo(a)anthracene	0.000100		**0.00161**	0.00200	0	80.5	59.8	110	02/18/2020
Benzo(a)pyrene	0.000100		**0.00207**	0.00200	0	103.5	64.6	131	02/18/2020
Benzo(b)fluoranthene	0.000100		**0.00213**	0.00200	0	106.6	61.3	133	02/18/2020
Benzo(g,h,i)perylene	0.000200		**0.00177**	0.00200	0	88.7	54.8	130	02/18/2020
Benzo(k)fluoranthene	0.000100		**0.00149**	0.00200	0	74.3	61.1	119	02/18/2020
Chrysene	0.000100		**0.00160**	0.00200	0	80.1	54.8	122	02/18/2020
Dibenzo(a,h)anthracene	0.000100		**0.00213**	0.00200	0	106.7	58.5	146	02/18/2020
Fluoranthene	0.000200		**0.00169**	0.00200	0	84.6	62.2	119	02/18/2020
Fluorene	0.000100		**0.00151**	0.00200	0	75.7	56.3	115	02/18/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00192**	0.00200	0	95.8	56.8	156	02/18/2020
Naphthalene	0.000200		**0.00112**	0.00200	0	55.8	52	103	02/18/2020
Phenanthrene	0.000400		**0.00175**	0.00200	0	87.3	64.7	117	02/18/2020
Pyrene	0.000200		**0.00167**	0.00200	0	83.5	56.7	122	02/18/2020
Surr: 2-Fluorobiphenyl			**0.000824**	0.00100		82.4	51.8	120	02/18/2020
Surr: Nitrobenzene-d5			**0.000815**	0.00100		81.5	48.3	123	02/18/2020
Surr: p-Terphenyl-d14			**0.00105**	0.00100		105.0	67.1	164	02/18/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162284 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-162284

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00125**	0.00200	0	62.5	0.001322	5.66	02/18/2020
Acenaphthylene	0.000100		**0.00141**	0.00200	0	70.4	0.001460	3.70	02/18/2020
Anthracene	0.000100		**0.00159**	0.00200	0	79.7	0.001662	4.18	02/18/2020
Benzo(a)anthracene	0.000100		**0.00158**	0.00200	0	79.1	0.001611	1.81	02/18/2020
Benzo(a)pyrene	0.000100		**0.00206**	0.00200	0	102.9	0.002069	0.55	02/18/2020
Benzo(b)fluoranthene	0.000100		**0.00196**	0.00200	0	98.2	0.002132	8.16	02/18/2020
Benzo(g,h,i)perylene	0.000200		**0.00177**	0.00200	0	88.6	0.001773	0.10	02/18/2020
Benzo(k)fluoranthene	0.000100		**0.00160**	0.00200	0	80.1	0.001487	7.50	02/18/2020
Chrysene	0.000100		**0.00153**	0.00200	0	76.3	0.001602	4.87	02/18/2020
Dibenzo(a,h)anthracene	0.000100		**0.00212**	0.00200	0	105.9	0.002134	0.72	02/18/2020
Fluoranthene	0.000200		**0.00163**	0.00200	0	81.6	0.001691	3.62	02/18/2020
Fluorene	0.000100		**0.00146**	0.00200	0	73.2	0.001514	3.29	02/18/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00192**	0.00200	0	96.1	0.001916	0.31	02/18/2020
Naphthalene	0.000200		**0.00109**	0.00200	0	54.5	0.001116	2.32	02/18/2020
Phenanthrene	0.000400		**0.00163**	0.00200	0	81.3	0.001746	7.07	02/18/2020
Pyrene	0.000200		**0.00160**	0.00200	0	80.1	0.001669	4.13	02/18/2020
Surr: 2-Fluorobiphenyl			**0.000832**	0.00100		83.2			02/18/2020
Surr: Nitrobenzene-d5			**0.000777**	0.00100		77.7			02/18/2020
Surr: p-Terphenyl-d14			**0.00105**	0.00100		105.4			02/18/2020

Batch 162419 **SampType:** MBLK Units **mg/L**

SampID: MBLK-162419

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						02/21/2020
Acenaphthylene	0.000100		**ND**						02/21/2020
Anthracene	0.000100		**ND**						02/21/2020
Benzo(a)anthracene	0.000100		**ND**						02/21/2020
Benzo(a)pyrene	0.000100		**ND**						02/21/2020
Benzo(b)fluoranthene	0.000100		**ND**						02/21/2020
Benzo(g,h,i)perylene	0.000200		**ND**						02/21/2020
Benzo(k)fluoranthene	0.000100		**ND**						02/21/2020
Chrysene	0.000100		**ND**						02/21/2020
Dibenzo(a,h)anthracene	0.000100		**ND**						02/21/2020
Fluoranthene	0.000200		**ND**						02/21/2020
Fluorene	0.000100		**ND**						02/21/2020
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						02/21/2020
Naphthalene	0.000200		**ND**						02/21/2020
Phenanthrene	0.000400		**ND**						02/21/2020
Pyrene	0.000200		**ND**						02/21/2020
Surr: 2-Fluorobiphenyl			**0.000919**	0.00100		91.9	51.8	120	02/21/2020
Surr: Nitrobenzene-d5			**0.000846**	0.00100		84.6	48.3	123	02/21/2020
Surr: p-Terphenyl-d14			**0.00136**	0.00100		135.7	67.1	164	02/21/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162419 **SampType:** LCS Units **mg/L**

SampID: LCS-162419

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00200**	0.00200	0	99.9	55.8	109	02/21/2020
Acenaphthylene	0.000100		**0.00220**	0.00200	0	110.1	52.3	129	02/21/2020
Anthracene	0.000100		**0.00208**	0.00200	0	104.0	54.9	113	02/21/2020
Benzo(a)anthracene	0.000100		**0.00219**	0.00200	0	109.3	59.8	110	02/21/2020
Benzo(a)pyrene	0.000100	S	**0.00270**	0.00200	0	134.9	64.6	131	02/21/2020
Benzo(b)fluoranthene	0.000100		**0.00258**	0.00200	0	128.8	61.3	133	02/21/2020
Benzo(g,h,i)perylene	0.000200		**0.00236**	0.00200	0	118.0	54.8	130	02/21/2020
Benzo(k)fluoranthene	0.000100		**0.00225**	0.00200	0	112.4	61.1	119	02/21/2020
Chrysene	0.000100		**0.00213**	0.00200	0	106.7	54.8	122	02/21/2020
Dibenzo(a,h)anthracene	0.000100		**0.00280**	0.00200	0	140.0	58.5	146	02/21/2020
Fluoranthene	0.000200		**0.00219**	0.00200	0	109.4	62.2	119	02/21/2020
Fluorene	0.000100		**0.00213**	0.00200	0	106.4	56.3	115	02/21/2020
Indeno(1,2,3-cd)pyrene	0.000100	B	**0.00256**	0.00200	0	127.9	56.8	156	02/21/2020
Naphthalene	0.000200		**0.00187**	0.00200	0	93.3	52	103	02/21/2020
Phenanthrene	0.000400		**0.00219**	0.00200	0	109.6	64.7	117	02/21/2020
Pyrene	0.000200		**0.00214**	0.00200	0	106.8	56.7	122	02/21/2020
Surr: 2-Fluorobiphenyl			**0.000968**	0.00100		96.8	51.8	120	02/21/2020
Surr: Nitrobenzene-d5			**0.000886**	0.00100		88.6	48.3	123	02/21/2020
Surr: p-Terphenyl-d14			**0.00126**	0.00100		126.2	67.1	164	02/21/2020

Batch 162419 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-162419

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00197**	0.00200	0	98.5	0.001998	1.38	02/21/2020
Acenaphthylene	0.000100		**0.00216**	0.00200	0	108.0	0.002201	1.89	02/21/2020
Anthracene	0.000100		**0.00202**	0.00200	0	101.0	0.002079	2.92	02/21/2020
Benzo(a)anthracene	0.000100		**0.00209**	0.00200	0	104.7	0.002186	4.35	02/21/2020
Benzo(a)pyrene	0.000100	S	**0.00263**	0.00200	0	131.6	0.002698	2.47	02/21/2020
Benzo(b)fluoranthene	0.000100		**0.00263**	0.00200	0	131.3	0.002576	1.91	02/21/2020
Benzo(g,h,i)perylene	0.000200		**0.00227**	0.00200	0	113.4	0.002360	3.99	02/21/2020
Benzo(k)fluoranthene	0.000100		**0.00206**	0.00200	0	102.8	0.002249	8.92	02/21/2020
Chrysene	0.000100		**0.00201**	0.00200	0	100.7	0.002134	5.81	02/21/2020
Dibenzo(a,h)anthracene	0.000100		**0.00271**	0.00200	0	135.5	0.002801	3.29	02/21/2020
Fluoranthene	0.000200		**0.00210**	0.00200	0	105.2	0.002189	3.98	02/21/2020
Fluorene	0.000100		**0.00214**	0.00200	0	107.0	0.002129	0.49	02/21/2020
Indeno(1,2,3-cd)pyrene	0.000100	B	**0.00247**	0.00200	0	123.7	0.002557	3.34	02/21/2020
Naphthalene	0.000200		**0.00191**	0.00200	0	95.7	0.001865	2.58	02/21/2020
Phenanthrene	0.000400		**0.00214**	0.00200	0	107.2	0.002193	2.28	02/21/2020
Pyrene	0.000200		**0.00208**	0.00200	0	103.9	0.002137	2.79	02/21/2020
Surr: 2-Fluorobiphenyl			**0.00108**	0.00100		107.6			02/21/2020
Surr: Nitrobenzene-d5			**0.000839**	0.00100		83.9			02/21/2020
Surr: p-Terphenyl-d14			**0.00123**	0.00100		122.5			02/21/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS

Batch 162419 **SampType:** MS Units **mg/L**

SampID: 20020836-027AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000400	H	**0.00715**	0.00800	0	89.4	28.3	133	02/24/2020
Acenaphthylene	0.000400	H	**0.00774**	0.00800	0	96.7	5	176	02/24/2020
Anthracene	0.000400	H	**0.00731**	0.00800	0	91.3	34.6	131	02/24/2020
Benzo(a)anthracene	0.000400	H	**0.00762**	0.00800	0	95.2	40.3	132	02/24/2020
Benzo(a)pyrene	0.000400	H	**0.00939**	0.00800	0	117.4	40.8	132	02/24/2020
Benzo(b)fluoranthene	0.000400	H	**0.00913**	0.00800	0	114.1	41.9	132	02/24/2020
Benzo(g,h,i)perylene	0.000800	H	**0.00816**	0.00800	0	102.0	46	132	02/24/2020
Benzo(k)fluoranthene	0.000400	H	**0.00767**	0.00800	0	95.9	49.4	126	02/24/2020
Chrysene	0.000400	H	**0.00702**	0.00800	0	87.8	46.1	129	02/24/2020
Dibenzo(a,h)anthracene	0.000400	H	**0.00983**	0.00800	0	122.9	42.1	146	02/24/2020
Fluoranthene	0.000800	H	**0.00752**	0.00800	0	93.9	23.9	164	02/24/2020
Fluorene	0.000400	H	**0.00734**	0.00800	0	91.8	24.3	148	02/24/2020
Indeno(1,2,3-cd)pyrene	0.000400	BH	**0.00893**	0.00800	0	111.6	26.6	157	02/24/2020
Naphthalene	0.000800	H	**0.00663**	0.00800	0	82.8	24.2	132	02/24/2020
Phenanthrene	0.00160	H	**0.00752**	0.00800	0	94.0	36.6	139	02/24/2020
Pyrene	0.000800	H	**0.00768**	0.00800	0	96.1	14.6	169	02/24/2020
Surr: 2-Fluorobiphenyl		H	**0.00421**	0.00400		105.2	21.4	142	02/24/2020
Surr: Nitrobenzene-d5		H	**0.00355**	0.00400		88.8	15	163	02/24/2020
Surr: p-Terphenyl-d14		H	**0.00540**	0.00400		135.0	10	173	02/24/2020

Batch 162419 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 20020836-027AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000400	H	**0.00688**	0.00800	0	86.0	0.007153	3.85	02/24/2020
Acenaphthylene	0.000400	H	**0.00766**	0.00800	0	95.8	0.007735	0.92	02/24/2020
Anthracene	0.000400	H	**0.00713**	0.00800	0	89.1	0.007308	2.47	02/24/2020
Benzo(a)anthracene	0.000400	H	**0.00705**	0.00800	0	88.1	0.007620	7.82	02/24/2020
Benzo(a)pyrene	0.000400	H	**0.00938**	0.00800	0	117.2	0.009390	0.12	02/24/2020
Benzo(b)fluoranthene	0.000400	H	**0.00903**	0.00800	0	112.8	0.009129	1.11	02/24/2020
Benzo(g,h,i)perylene	0.000800	H	**0.00812**	0.00800	0	101.5	0.008164	0.50	02/24/2020
Benzo(k)fluoranthene	0.000400	H	**0.00773**	0.00800	0	96.6	0.007671	0.73	02/24/2020
Chrysene	0.000400	H	**0.00722**	0.00800	0	90.2	0.007023	2.73	02/24/2020
Dibenzo(a,h)anthracene	0.000400	H	**0.00980**	0.00800	0	122.5	0.009834	0.35	02/24/2020
Fluoranthene	0.000800	H	**0.00754**	0.00800	0	94.2	0.007515	0.32	02/24/2020
Fluorene	0.000400	H	**0.00713**	0.00800	0	89.2	0.007343	2.90	02/24/2020
Indeno(1,2,3-cd)pyrene	0.000400	BH	**0.00880**	0.00800	0	110.0	0.008930	1.48	02/24/2020
Naphthalene	0.000800	H	**0.00636**	0.00800	0	79.5	0.006626	4.12	02/24/2020
Phenanthrene	0.00160	H	**0.00731**	0.00800	0	91.3	0.007518	2.85	02/24/2020
Pyrene	0.000800	H	**0.00753**	0.00800	0	94.1	0.007684	2.07	02/24/2020
Surr: 2-Fluorobiphenyl		H	**0.00419**	0.00400		104.8			02/24/2020
Surr: Nitrobenzene-d5		H	**0.00349**	0.00400		87.3			02/24/2020
Surr: p-Terphenyl-d14		H	**0.00517**	0.00400		129.4			02/24/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162243 **SampType:** MBLK Units µg/L

SampID: MBLK-T200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						02/14/2020
Ethylbenzene	2.0		ND						02/14/2020
Toluene	2.0		ND						02/14/2020
Xylenes, Total	4.0		ND						02/14/2020
Surr: 1,2-Dichloroethane-d4			52.4	50.00		104.8	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			52.4	50.00		104.9	88.3	109	02/14/2020
Surr: Dibromofluoromethane			52.2	50.00		104.3	87.4	111	02/14/2020
Surr: Toluene-d8			47.4	50.00		94.8	86.1	110	02/14/2020

Batch 162243 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-T200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		54.9	50.00	0	109.7	56.54	3.02	02/14/2020
Ethylbenzene	2.0		49.0	50.00	0	98.0	50.32	2.70	02/14/2020
Toluene	2.0		49.0	50.00	0	97.9	51.04	4.18	02/14/2020
Xylenes, Total	4.0		149	150.0	0	99.1	155.5	4.54	02/14/2020
Surr: 1,2-Dichloroethane-d4			50.9	50.00		101.8			02/14/2020
Surr: 4-Bromofluorobenzene			49.4	50.00		98.8			02/14/2020
Surr: Dibromofluoromethane			52.4	50.00		104.9			02/14/2020
Surr: Toluene-d8			46.1	50.00		92.2			02/14/2020

Batch 162243 **SampType:** LCS Units µg/L

SampID: LCS-T200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		56.5	50.00	0	113.1	78.5	119	02/14/2020
Ethylbenzene	2.0		50.3	50.00	0	100.6	78.2	114	02/14/2020
Toluene	2.0		51.0	50.00	0	102.1	78.6	112	02/14/2020
Xylenes, Total	4.0		156	150.0	0	103.7	78.3	114	02/14/2020
Surr: 1,2-Dichloroethane-d4			51.2	50.00		102.4	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			48.7	50.00		97.4	88.3	109	02/14/2020
Surr: Dibromofluoromethane			52.9	50.00		105.7	87.4	111	02/14/2020
Surr: Toluene-d8			47.7	50.00		95.3	86.1	110	02/14/2020

Batch 162244 **SampType:** MBLK Units µg/L

SampID: MBLK-AE200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						02/14/2020
Ethylbenzene	2.0		ND						02/14/2020
Toluene	2.0		ND						02/14/2020
Xylenes, Total	4.0		ND						02/14/2020
Surr: 1,2-Dichloroethane-d4			50.6	50.00		101.3	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			50.3	50.00		100.6	88.3	109	02/14/2020
Surr: Dibromofluoromethane			49.0	50.00		98.1	87.4	111	02/14/2020
Surr: Toluene-d8			48.9	50.00		97.8	86.1	110	02/14/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162244 **SampType:** LCS Units µg/L

SampID: LCS-AE200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**52.8**	50.00	0	105.5	78.5	119	02/14/2020
Ethylbenzene	2.0		**52.5**	50.00	0	104.9	78.2	114	02/14/2020
Toluene	2.0		**52.1**	50.00	0	104.2	78.6	112	02/14/2020
Xylenes, Total	4.0		**158**	150.0	0	105.1	78.3	114	02/14/2020
Surr: 1,2-Dichloroethane-d4			**49.0**	50.00		98.0	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			**50.6**	50.00		101.1	88.3	109	02/14/2020
Surr: Dibromofluoromethane			**49.5**	50.00		99.0	87.4	111	02/14/2020
Surr: Toluene-d8			**49.4**	50.00		98.9	86.1	110	02/14/2020

Batch 162244 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AE200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**50.3**	50.00	0	100.7	52.76	4.71	02/14/2020
Ethylbenzene	2.0		**49.7**	50.00	0	99.4	52.46	5.44	02/14/2020
Toluene	2.0		**49.6**	50.00	0	99.2	52.11	4.94	02/14/2020
Xylenes, Total	4.0		**149**	150.0	0	99.6	157.7	5.40	02/14/2020
Surr: 1,2-Dichloroethane-d4			**48.6**	50.00		97.1			02/14/2020
Surr: 4-Bromofluorobenzene			**49.6**	50.00		99.2			02/14/2020
Surr: Dibromofluoromethane			**49.4**	50.00		98.8			02/14/2020
Surr: Toluene-d8			**48.9**	50.00		97.8			02/14/2020

Batch 162245 **SampType:** MBLK Units µg/L

SampID: MBLK-N200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						02/14/2020
Ethylbenzene	2.0		**ND**						02/14/2020
Toluene	2.0		**ND**						02/14/2020
Xylenes, Total	4.0		**ND**						02/14/2020
Surr: 1,2-Dichloroethane-d4			**48.9**	50.00		97.8	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			**49.0**	50.00		97.9	88.3	109	02/14/2020
Surr: Dibromofluoromethane			**50.1**	50.00		100.2	87.4	111	02/14/2020
Surr: Toluene-d8			**48.7**	50.00		97.3	86.1	110	02/14/2020

Batch 162245 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-N200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**48.6**	50.00	0	97.1	49.54	1.98	02/14/2020
Ethylbenzene	2.0		**48.0**	50.00	0	96.0	49.62	3.34	02/14/2020
Toluene	2.0		**46.7**	50.00	0	93.4	48.12	3.04	02/14/2020
Xylenes, Total	4.0		**145**	150.0	0	96.8	147.9	1.84	02/14/2020
Surr: 1,2-Dichloroethane-d4			**48.0**	50.00		96.0			02/14/2020
Surr: 4-Bromofluorobenzene			**47.5**	50.00		94.9			02/14/2020
Surr: Dibromofluoromethane			**50.4**	50.00		100.7			02/14/2020
Surr: Toluene-d8			**49.0**	50.00		97.9			02/14/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162245 **SampType:** LCS Units **µg/L**

SampID: LCS-N200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**49.5**	50.00	0	99.1	78.5	119	02/14/2020
Ethylbenzene	2.0		**49.6**	50.00	0	99.2	78.2	114	02/14/2020
Toluene	2.0		**48.1**	50.00	0	96.2	78.6	112	02/14/2020
Xylenes, Total	4.0		**148**	150.0	0	98.6	78.3	114	02/14/2020
Surr: 1,2-Dichloroethane-d4			**47.2**	50.00		94.5	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			**47.5**	50.00		94.9	88.3	109	02/14/2020
Surr: Dibromofluoromethane			**50.0**	50.00		99.9	87.4	111	02/14/2020
Surr: Toluene-d8			**48.2**	50.00		96.4	86.1	110	02/14/2020

Batch 162245 **SampType:** LCSGD Units **%REC** RPD Limit **0**

SampID: LCSGD-N200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4			**47.8**	50.00		95.7			02/14/2020
Surr: 4-Bromofluorobenzene			**48.1**	50.00		96.2			02/14/2020
Surr: Dibromofluoromethane			**49.9**	50.00		99.8			02/14/2020
Surr: Toluene-d8			**48.8**	50.00		97.7			02/14/2020

Batch 162245 **SampType:** LCSG Units **%REC**

SampID: LCSG-N200214A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4			**47.8**	50.00		95.6	80.9	113	02/14/2020
Surr: 4-Bromofluorobenzene			**48.0**	50.00		95.9	88.3	109	02/14/2020
Surr: Dibromofluoromethane			**49.2**	50.00		98.4	87.4	111	02/14/2020
Surr: Toluene-d8			**48.3**	50.00		96.6	86.1	110	02/14/2020

Batch 162265 **SampType:** MBLK Units **µg/L**

SampID: MBLK-N200216A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						02/16/2020
Ethylbenzene	2.0		**ND**						02/16/2020
Toluene	2.0		**ND**						02/16/2020
Xylenes, Total	4.0		**ND**						02/16/2020
Surr: 1,2-Dichloroethane-d4			**48.8**	50.00		97.6	80.9	113	02/16/2020
Surr: 4-Bromofluorobenzene			**50.3**	50.00		100.6	88.3	109	02/16/2020
Surr: Dibromofluoromethane			**50.3**	50.00		100.6	87.4	111	02/16/2020
Surr: Toluene-d8			**47.5**	50.00		95.1	86.1	110	02/16/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162265 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-N200216A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**48.0**	50.00	0	95.9	48.85	1.86	02/16/2020
Ethylbenzene	2.0		**46.6**	50.00	0	93.2	48.12	3.21	02/16/2020
Toluene	2.0		**45.9**	50.00	0	91.7	47.44	3.39	02/16/2020
Xylenes, Total	4.0		**141**	150.0	0	93.9	143.9	2.11	02/16/2020
Surr: 1,2-Dichloroethane-d4			**48.2**	50.00		96.3			02/16/2020
Surr: 4-Bromofluorobenzene			**47.8**	50.00		95.6			02/16/2020
Surr: Dibromofluoromethane			**50.8**	50.00		101.6			02/16/2020
Surr: Toluene-d8			**49.0**	50.00		98.0			02/16/2020

Batch 162265 **SampType:** LCS Units **µg/L**

SampID: LCS-N200216A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**48.8**	50.00	0	97.7	78.5	119	02/16/2020
Ethylbenzene	2.0		**48.1**	50.00	0	96.2	78.2	114	02/16/2020
Toluene	2.0		**47.4**	50.00	0	94.9	78.6	112	02/16/2020
Xylenes, Total	4.0		**144**	150.0	0	95.9	78.3	114	02/16/2020
Surr: 1,2-Dichloroethane-d4			**47.3**	50.00		94.6	80.9	113	02/16/2020
Surr: 4-Bromofluorobenzene			**48.8**	50.00		97.6	88.3	109	02/16/2020
Surr: Dibromofluoromethane			**51.5**	50.00		103.1	87.4	111	02/16/2020
Surr: Toluene-d8			**48.7**	50.00		97.4	86.1	110	02/16/2020

Batch 162280 **SampType:** MBLK Units **µg/L**

SampID: MBLK-N200217A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						02/17/2020
Ethylbenzene	2.0		**ND**						02/17/2020
Toluene	2.0		**ND**						02/17/2020
Xylenes, Total	4.0		**ND**						02/17/2020
Surr: 1,2-Dichloroethane-d4			**48.2**	50.00		96.5	80.9	113	02/17/2020
Surr: 4-Bromofluorobenzene			**48.7**	50.00		97.4	88.3	109	02/17/2020
Surr: Dibromofluoromethane			**50.4**	50.00		100.7	87.4	111	02/17/2020
Surr: Toluene-d8			**48.8**	50.00		97.6	86.1	110	02/17/2020

Batch 162280 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-N200217A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**48.9**	50.00	0	97.8	49.42	1.08	02/17/2020
Ethylbenzene	2.0		**49.8**	50.00	0	99.6	49.10	1.46	02/17/2020
Toluene	2.0		**47.4**	50.00	0	94.9	48.06	1.28	02/17/2020
Xylenes, Total	4.0		**147**	150.0	0	98.1	144.6	1.82	02/17/2020
Surr: 1,2-Dichloroethane-d4			**47.4**	50.00		94.7			02/17/2020
Surr: 4-Bromofluorobenzene			**47.9**	50.00		95.7			02/17/2020
Surr: Dibromofluoromethane			**51.1**	50.00		102.3			02/17/2020
Surr: Toluene-d8			**48.8**	50.00		97.6			02/17/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162280 **SampType:** LCS Units µg/L

SampID: LCS-N200217A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**49.4**	50.00	0	98.8	78.5	119	02/17/2020
Ethylbenzene	2.0		**49.1**	50.00	0	98.2	78.2	114	02/17/2020
Toluene	2.0		**48.1**	50.00	0	96.1	78.6	112	02/17/2020
Xylenes, Total	4.0		**145**	150.0	0	96.4	78.3	114	02/17/2020
Surr: 1,2-Dichloroethane-d4			**47.3**	50.00		94.7	80.9	113	02/17/2020
Surr: 4-Bromofluorobenzene			**47.7**	50.00		95.4	88.3	109	02/17/2020
Surr: Dibromofluoromethane			**51.0**	50.00		102.0	87.4	111	02/17/2020
Surr: Toluene-d8			**47.9**	50.00		95.8	86.1	110	02/17/2020

Batch 162280 **SampType:** MS Units µg/L

SampID: 20020836-025DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**59.7**	50.00	0	119.4	72	120	02/17/2020
Ethylbenzene	2.0	S	**59.9**	50.00	0	119.9	74.8	115	02/17/2020
Toluene	2.0	S	**56.0**	50.00	0	112.0	70.6	109	02/17/2020
Xylenes, Total	4.0	S	**118**	100.0	0	118.3	72.1	113	02/17/2020
Surr: 1,2-Dichloroethane-d4			**49.6**	50.00		99.3	80.9	113	02/17/2020
Surr: 4-Bromofluorobenzene			**48.7**	50.00		97.3	88.3	109	02/17/2020
Surr: Dibromofluoromethane			**51.0**	50.00		102.0	87.4	111	02/17/2020
Surr: Toluene-d8			**48.7**	50.00		97.4	86.1	110	02/17/2020

Batch 162280 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 20020836-025DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**53.3**	50.00	0	106.6	59.71	11.33	02/17/2020
Ethylbenzene	2.0		**57.3**	50.00	0	114.6	59.94	4.47	02/17/2020
Toluene	2.0		**50.5**	50.00	0	101.0	56.02	10.34	02/17/2020
Xylenes, Total	4.0		**109**	100.0	0	109.1	118.3	8.04	02/17/2020
Surr: 1,2-Dichloroethane-d4			**49.8**	50.00		99.6			02/17/2020
Surr: 4-Bromofluorobenzene			**48.7**	50.00		97.4			02/17/2020
Surr: Dibromofluoromethane			**51.0**	50.00		102.0			02/17/2020
Surr: Toluene-d8			**49.0**	50.00		98.0			02/17/2020

Batch 162280 **SampType:** MS Units µg/L

SampID: 20020836-027DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**59.6**	50.00	0	119.1	72	120	02/17/2020
Ethylbenzene	2.0		**57.3**	50.00	0	114.6	74.8	115	02/17/2020
Toluene	2.0		**53.2**	50.00	0	106.3	70.6	109	02/17/2020
Xylenes, Total	4.0	S	**113**	100.0	0	113.1	72.1	113	02/17/2020
Surr: 1,2-Dichloroethane-d4			**50.3**	50.00		100.6	80.9	113	02/17/2020
Surr: 4-Bromofluorobenzene			**48.9**	50.00		97.7	88.3	109	02/17/2020
Surr: Dibromofluoromethane			**52.0**	50.00		104.1	87.4	111	02/17/2020
Surr: Toluene-d8			**47.6**	50.00		95.1	86.1	110	02/17/2020

Client: ERM **Work Order:** 20020836

Client Project: Champaign GW **Report Date:** 28-Feb-2020

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 162280 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 20020836-027DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**51.5**	50.00	0	102.9	59.55	14.56	02/17/2020
Ethylbenzene	2.0		**56.1**	50.00	0	112.2	57.30	2.08	02/17/2020
Toluene	2.0		**50.1**	50.00	0	100.1	53.16	5.99	02/17/2020
Xylenes, Total	4.0		**106**	100.0	0	106.1	113.1	6.42	02/17/2020
Surr: 1,2-Dichloroethane-d4			**48.4**	50.00		96.8			02/17/2020
Surr: 4-Bromofluorobenzene			**48.8**	50.00		97.6			02/17/2020
Surr: Dibromofluoromethane			**50.0**	50.00		100.0			02/17/2020
Surr: Toluene-d8			**48.6**	50.00		97.3			02/17/2020

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 20020836
Report Date: 28-Feb-2020

Carrier: Jacob Wilson
Received By: AH

Completed by: Amber M. Dilallo
On: 13-Feb-2020

Reviewed by: Emily Pohlman
On: 13-Feb-2020

Pages to follow: Chain of custody 4 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 1.0
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

Any No responses must be detailed below or on the COC.

UMW-127-WG-20200212 is labeled as collected at 1235 rather than 1240. AMD 2/13/20

Per Jarred Schmidt, report the collection time as labeled on the container (1235). - ehurley - 2/17/2020 8:31:56 AM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 2/25/2020 1:51:43 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 20020836

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: ERM
Address: 2 CityPlace Drive, Suite 70
City / State / Zip: St. Louis, MO 63141
Contact: Greg Moore Phone: (314) 238-6162
E-Mail: greg.moore@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 1.0 °C
Preserved in: [ ] LAB [X] FIELD 2/13/20 **FOR LAB USE ONLY**
Lab Notes:
2/13/20

Client Comments
Lower 0.0075 mg/L detection limit for Pb.
MS/MSDs on UMW-305 and UMW-307.

Are these samples known to be involved in litigation? If yes, a surcharge will apply [ ] Yes [X] No
Are these samples known to be hazardous? [ ] Yes [X] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. [X] Yes [ ] No

Project Name/Number	Sample Collector's Name
Champaign GW	G. Moore / J. Schmidt

Results Requested: [X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Groundwater	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20020836 001	UMW-102-WG-20200210	2/10/20 1540	1	1	1	2	X	X	X	X	X
002	UMW-105-WG-20200212	2/12/20 1130	1	1	1	2	X	X	X	X	X
003	UMW-106R-WG-20200212	2/12/20 0950	1	1	1	2	X	X	X	X	X
004	UMW-107R-WG-20200211	2/11/20 1450	1	1	1	2	X	X	X	X	X
005	UMW-108-WG-20200211	2/11/20 1240	1	1	1	2	X	X	X	X	X
006	UMW-109-WG-20200211	2/11/20 1105	1	1	1	2	X	X	X	X	X
007	UMW-111A-WG-20200211	2/11/20 1100	1	1	1	2	X	X	X	X	X
008	UMW-116-WG-20200211	2/11/20 1540	1	1	1	2	X	X	X	X	X
009	UMW-117-WG-20200211	2/11/20 1430	1	1	1	2	X	X	X	X	X
010	UMW-118-WG-20200211	2/11/20 1215	1	1	1	2	X	X	X	X	X

Courier

Relinquished By	Date/Time	Received By	Date/Time
G. Moore (ERM)	2/13/20	[signature]	2/13/20 1348
[signature]	2/13/20 1620	[signature]	2/13/20 1620

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 55951

2/13/20

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 200205836

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	ERM
Address:	2 CityPlace Drive, Suite 70
City / State / Zip	St. Louis, MO 63141
Contact:	Greg Moore
Phone:	(314) 238-6162
E-Mail:	greg.moore@erm.com
Fax:	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Lower 0.0075 mg/L detection limit for Pb.
MS/MSDs on UMW-305 and UMW-307.

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number	Sample Collector's Name
Champaign GW	G. Moore / J. Schmidt

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
200205836 011	UMW-119-WG-20200211	2/11/20 0835	1	1	1	2	X	X	X	X	X
012	UMW-120-WG-20200210	2/10/20 1650	1	1	1	2	X	X	X	X	X
013	UMW-121-WG-20200212	2/12/20 1240	1	1	1	2	X	X	X	X	X
014	UMW-122-WG-20200211	2/11/20 1745	1	1	1	2	X	X	X	X	X
015	UMW-123-WG-20200212	2/12/20 0855	1	1	1	2	X	X	X	X	X
016	UMW-124-WG-20200212	2/12/20 1440	1	1	1	2	X	X	X	X	X
017	UMW-125-WG-20200212	2/12/20 1010	1	1	1	2	X	X	X	X	X
018	UMW-126-WG-20200212	2/12/20 1510	1	1	1	2	X	X	X	X	X
019	UMW-127-WG-20200212	2/12/20 1240	1	1	1	2	X	X	X	X	X
020	UMW-300-WG-20200211	2/11/20 0810	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
J. Moore (ERM)	2/13/20		2/13/20 1342
	2/12/20 1620		2/12/20 1620

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 55951

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 20020536

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	ERM
Address:	2 CityPlace Drive, Suite 70
City / State / Zip	St. Louis, MO 63141
Contact:	Greg Moore
Phone:	(314) 238-6162
E-Mail:	greg.moore@erm.com
Fax:	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Client Comments

Lower 0.0075 mg/L detection limit for Pb.
MS/MSDs on UMW-305 and UMW-307.

Project Name/Number	Sample Collector's Name
Champaign GW	G. Moore / J. Schmidt

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl					MATRIX: Groundwater						INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A														
20020536-021	UMW-301R-WG-20200212	2/12/20 1310	1	1	1	2					X						X	X	X	X													
022	UMW-302-WG-20200212	2/12/20 1320	1	1	1	2					X						X	X	X	X													
023	UMW-303-WG-20200211	2/11/20 1545	1	1	1	2					X						X	X	X	X													
024	UMW-304R-WG-20200212	2/12/20 1125	1	1	1	2					X						X	X	X	X													
025	UMW-305-WG-20200212	2/12/20 0800	X3	X2	X1	X6					X						X	X	X	X													
026	UMW-306-WG-20200211	2/11/20 1800	1	1	1	2					X						X	X	X	X													
027	UMW-307-WG-20200211	2/11/20 1700	X3	X2	X2	X6					X						X	X	X	X													
028	UMW-308-WG-20200212	2/12/20 1420	1	1	1	2					X						X	X	X	X													
029	DUP 001-WG-20200212	2/12/20	1	1	1	2					X						X	X	X	X													
030	DUP 002-WG-20200212	2/12/20	1	1	1	2					X						X	X	X	X													

Relinquished By	Date/Time	Received By	Date/Time
M. Moore (ERM)	2/13/20		2/13/20 1342
	2/13/20 1620		2/13/20 1620

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 55951

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 20020836

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	ERM		
Address:	2 CityPlace Drive, Suite 70		
City / State / Zip	St. Louis, MO 63141		
Contact:	Greg Moore	**Phone:**	(314) 238-6162
E-Mail:	greg.moore@erm.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Client Comments

Lower 0.0075 mg/L detection limit for Pb.
MS/MSDs on UMW-305 & UMW-307.

Project Name/Number	Sample Collector's Name
Champaign GW	G. Moore / J. Schmidt

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20020836-031	DUP 003-WG-20200212	2/12/20	1	1	1	2	X	X	X	X	X
032	EB-01-WQ-20200210	2/10/20 1400	1	1	1	2	X	X	X	X	X
033	TB-01-WQ-202002	—				2	X	X			

Relinquished By	Date/Time	Received By	Date/Time
D. Moore (ERM)	2/13/20		2/13/20 1348
	2/13/20 1620		2/13/20 1620

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 55951

ERM

1050 SW 6th Avenue
Suite 1650
Portland, OR 97204

Telephone: (503) 488-5282
Fax: (503) 488-5124

www.erm.com

Memorandum

To	Lacy Smith
From	Rachel James
Date	12 May 2020
Reference	0543705
Subject	Revised Data Review of Ameren Champaign Groundwater Samples First Quarter 2020: Teklab, Inc. Data Package 20020836.

The data quality was assessed and any necessary qualifiers were applied following the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review*, January 2017 and *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, January 2017.

REVISION

This memorandum was revised to clarify the holding time validation qualifiers (listing J and UJ separately), to clarify and further describe the laboratory-applied B flags, to add a previously overlooked surrogate exception, and to describe the removal of laboratory-applied qualifiers when data quality was not affected.

ERM reviewed data for compliance with the following quality assurance/quality control (QA/QC) and method-prescribed criteria for Stage 2B review:

- **Holding Time and Sample Preservation**: The period of time between collection of the sample and preparation/analysis of the sample is evaluated. Analyses performed for this project have method-prescribed holding times as well as temperature and chemical preservation requirements.
- **Blank Samples**: The preparation and analysis of reagent (contaminant-free) water is evaluated. Blank samples for this investigation included method, trip, and equipment rinsates. Detections in a blank sample may indicate laboratory, transportation, or field contamination. All samples are evaluated for common laboratory contaminants during the blank evaluation.
- **Spike Samples**: The preparation and analysis of an environmental sample or a sample of reagent water spiked with a subset of target analytes at known concentrations is evaluated. The results of the spike analysis measure laboratory accuracy in the reagent sample, and results from the environmental sample spike measure potential interferences from the matrix.
- **Surrogate Spikes**: The addition of analytes similar to target analytes of interest that are added to sample aliquots for organic analysis is evaluated. Surrogate spikes measure possible interferences from the sample matrix for the analysis of target analytes.
- **Duplicate Samples**: The preparation and analysis of an additional aliquot of the sample is evaluated. The results from duplicate analysis measure potential heterogeneity of contaminants in the sample.

Stage 4 data review for 20 percent of the samples (6 samples: UMW-124-WG-20200212, UMW-126-WG-20200212, UMW-300-WG-20200212, UMW-302-WG-20200212, DUP-001-WG-20200212, and DUP 003-WG-20200212) was performed. The Stage 4 review included all of the QA/QC project and/or method-prescribed criteria for Stage 2B review plus:

- **Calibration:** The analysis of target analytes at a range of concentrations to develop a graphical plot of instrument response against the different analyte concentrations. An initial calibration curve establishes the graphical plot, and the continuing calibration verification monitors daily instrument linearity against the initial calibration.
- **Internal standards:** The addition of analytes similar to target analytes of interest that are added to sample aliquots for organic analysis. The internal standards are used to quantitatively and qualitatively evaluate retention time and response for each sample.
- **Recalculation:** Ten percent of the initial calibration, continuing calibration, internal response, surrogate percent recoveries (%R), laboratory control sample/laboratory control sample duplicate (LCS/LCSD) %R, matrix spike/matrix spike duplicate (MS/MSD) %R, and all of the detected sample concentrations were recalculated.

CHAIN-OF-CUSTODY DISCREPANCIES

There was one issue between the chain-of-custody (COC) and the labels on sample containers. Sample UMW-127-WG-20200212 was labelled as collected at 1235 rather than 1240 as provided by the COC. The laboratory was directed to use the time provided on the label and proceed with analysis. No qualifications were necessary as a result of the COC discrepancy.

HOLDING TIME AND PRESERVATION EVALUATION

The sample shipments were received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples were prepared and analyzed within the method-prescribed time period from the date of collection with six exceptions. The polynuclear aromatic hydrocarbon (PAH) preparations for samples UMW-127-WG-20200212, UMW-307-WG-20200211, UMW-308-WG-20200212, DUP 001-WG-20200212, DUP 002-WG-20200212, and DUP 003-WG-20200212 were performed two to three days past the seven day holding time. Teklab qualified the affected results with H flags. The H flags have been removed and the results have been qualified as estimates (J for detected PAHs and UJ for non-detected PAHs). The affected results are presented in Table 1.

BLANK EVALUATION

The method blank sample results were non-detected for each of the target analytes, with the exceptions summarized in Table 2. Teklab qualified results for these analytes in the associated project samples with B flags; however, no validation qualifiers were applied as the analytes were not detected in the associated samples. The laboratory-applied B flags have been removed. The blank results indicate that no contaminants were introduced to the samples during processing or analysis in the laboratory or during shipment, handling, and storage.

Teklab was contacted to inquire whether the B flags could be applied only when affected analytes are detected in project samples. Teklab indicated that per their NELAC accreditation, all samples affected by contamination be qualified regardless of the sample result.

The equipment and trip blank sample results were non-detected for each of the target analytes. The equipment and trip blank results indicate that no contaminants were introduced to the samples during collection, handling, and storage.

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and continuing/ initial calibration verification (CCV/ICV). For linear ICALs, the correlation coefficient (r^2) was within control limits and for average response factor ICALs, the relative standard deviations (RSDs) were within the control limits. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The laboratory calculated the percent difference (%D) between CCV/ICV and the ICAL. The laboratory calculated the CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The ICAL and CCV/ICV results were within acceptable limits for the reported sample results.

BLANK SPIKE EVALUATION

The LCS/LCSD recoveries and relative percent differences (RPDs) were within the laboratory's limits of acceptance, with the exceptions presented in Table 3. Benzo(a)pyrene was recovered above the control limit in an LCS/LCSD; however, this analyte was not detected in the associated samples and qualifications were not necessary.

MATRIX SPIKE EVALUATION

The MS/MSD recoveries and RPDs were within the laboratory's limits of acceptance for project samples, with several exceptions. The RPD for cyanide was above the control limit in the MS/MSD samples prepared from UMW-123-WG-20200212. Teklab qualified the cyanide result in the parent sample with an R flag. The recoveries were within control limits for both the MS and MSD samples; therefore, the cyanide result in the parent sample was not qualified due to the RPD result alone. The R flag has been removed. Additionally, the recoveries for ethylbenzene, toluene, and total xylenes were above the control limit in the MS prepared from UMW-305-WG-20200212 and the recovery for total xylenes was above the control limit in the MS prepared from UMW-307-WG-20200211. Teklab qualified these results in the parent sample with an S flag. The recoveries were within control limits in the paired MSD samples; therefore, the results in the parent sample were not qualified due to the MS recoveries alone. The S flags have been removed. The matrix spike outliers are presented in Table 3.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits with two exceptions. PAH surrogates 2-fluorobiphenyl and nitrobenzene-d5 were recovered above the control limits in sample UMW-302-WG-20200212. Teklab qualified the surrogate results with S flags. No validation qualifiers were

applied to target analytes in the sample due to the dilution factor of 1,000. The surrogate outliers are presented in Table 4.

INTERNAL STANDARD EVALUATION

The internal standard responses for reported results were within acceptable limits.

CALIBRATION RANGE EXCEEDANCES

The cyanide results for MS/MSD samples prepared from UMW-105-WG-20200212 and UMW-307-WG-20200212 exceeded the instrument calibration range as noted in Table 5. Since the MS/MSD parent sample results were within calibration range, no qualifications were applied.

FIELD DUPLICATE EVALUATION

Three samples were submitted in duplicate. ERM calculated the relative percent difference (RPD) between detected results. National Functional Guidelines has not established control criteria for field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision. A list of the field duplicate detections and the calculated RPDs is provided in Table 6.

RECALCULATION

All result recalculations agreed with reported results.

OVERALL ASSESSMENT

None of the data required rejection. All of the data, including qualified data, can be used for decision-making purposes; however, the limitations indicated by the applied qualifiers should be considered when using the data. The quality of the data generated during this investigation is acceptable for the preparation of technically defensible documents.

Table 1
Samples with Exceeded Holding Times
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Extraction Holding Time	Time Exceeded	Analysis Holding Time	Time Exceeded	Affected Analyte	ERM Qualifier
20020836	UMW-127-WG-20200212	8270C	7 days	2 days	40 days	--	Detected PAHs	J
							Non-detected PAHs	UJ
	UMW-307-WG-20200211			3 days			All PAHs	UJ
	UMW-308-WG-20200212			2 days			All PAHs	UJ
	DUP 001-WG-20200212			2 days			Detected PAHs	J
							Non-detected PAHs	UJ
	DUP 002-WG-20200212			2 days			All PAHs	UJ
	DUP 003-WG-20200212			2 days			Detected PAHs	J
							Non-detected PAHs	UJ

Lab package reviewed: 20020836

Notes:
J = Estimated detected result
PAH = Polynuclear aromatic hydrocarbons
UJ = Nondetected, estimated report limit

Table 2
Blank and Associated Suspect Sample Detections
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Blank ID	Detected Analyte	Reported Blank Concentration	Blank Report Limit	Associated Sample	Associated Sample Result	Associated Sample Report Limit	Units	ERM Qualifier
20020836	MBLK-162251	Anthracene	0.000187	0.000100	None for qualification	--	--	mg/L	--
		Benzo(a)anthracene	< RL	0.000100					
		Chrysene	< RL	0.000100					
		Fluoranthene	0.000248	0.000200					
		Pyrene	0.000216	0.000200					
	MBLK-162419	Indeno(1,2,3-cd)pyrene	< RL	0.000100	None for qualification	--	--	mg/L	--

Lab package reviewed: 20020836

Notes:
< RL = Below reporting limit, but above detection limit (reported as ND by Teklab)
MBLK = Method blank
mg/L = Milligrams per liter

Table 3
Spike Recoveries Outside of Acceptable Limits
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
LCS/LCSD										
20020836	LCS-162419 LCSD-162419	None for qualification	Benzo(a)pyrene	134.9/131.6	64.6-131	2.47	40	--	mg/L	--
MS/MSD										
20020836	UMW-123-WG-20200212 MS/MSD	UMW-123-WG-20200212	Cyanide	107.2/89.3	75-125	18.24	15	ND	mg/L	--
	UMW-305-WG-20200212 MS/MSD	UMW-305-WG-20200212	Ethylbenzene	119.9/114.6	74.8-115	4.47	20	ND	µg/L	--
			Toluene	112.0/101.0	70.6-109	10.34	20	ND	µg/L	--
			Xylenes, Total	118.3/109.1	72.1-113	8.04	20	ND	µg/L	--
	UMW-307-WG-20200211 MS/MSD	UMW-307-WG-20200211	Xylenes, Total	113/106.1	72.1-113	6.42	20	ND	µg/L	--

Lab package reviewed: 20020836

Notes:
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
mg/L = Milligrams per liter
MS/MSD = Matrix spike/matrix spike duplicate
ND = Not detected
RPD = Relative percent difference
µg/L = Micrograms per liter

Table 4
Surrogate Recovery Results out of Acceptable Limits
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
20020836	UMW-302-WG-20200212	8270C	2-Fluorobiphenyl	0	21.4-142	None for qualification	1,000	--
			Nitrobenzene-d5	190	15-163			

Lab package reviewed: 20020836

Table 5
Calibration Range Exceedances
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
20020836	UMW-105-WG-20200212 MS	Cyanide	0.065	mg/L	--
	UMW-105-WG-20200212 MSD		0.065	mg/L	--
	UMW-307-WG-20200211 MS		0.067	mg/L	--
	UMW-307-WG-20200211 MSD		0.065	mg/L	--

Lab package reviewed: 20020836

Notes:
mg/L = Milligrams per liter
MS = Matrix spike
MSD = Matrix spike duplicate

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Units	RPD
			Sample	Duplicate	Sample	Duplicate		
20020836	UMW-124-WG-20200212/ DUP 001-WG-20200212	Barium	0.0319	0.0316	0.0025	0.0025	mg/L	0.94
		Ethylbenzene	14.8	15.5	2.0	2.0	µg/L	4.6
		Toluene	92.6	89.8	2.0	2.0	µg/L	3.1
		Xylene, Total	42.3	44.3	4.0	4.0	µg/L	4.6
		Benzene	133	131	0.5	0.5	µg/L	1.5
		Fluoranthene	ND	0.000442	0.000200	0.000400	mg/L	NC
		Acenaphthylene	0.000340	0.000345	0.000100	0.000200	mg/L	1.5
		Acenaphthene	0.000549	0.000542	0.000100	0.000200	mg/L	1.3
		Phenanthrene	ND	0.00111	0.000400	0.000800	mg/L	NC
		Fluorene	0.000201	0.000276	0.000100	0.000200	mg/L	31
		Naphthalene	0.0561	0.0532	0.00500	0.0100	mg/L	5.3
		Cyanide CN-	0.012	0.013	0.005	0.005	mg/L	8.0
	UMW-126-WG-20200212/ DUP 002-WG-20200212	Barium	0.0207	0.0209	0.0025	0.0025	mg/L	1.0
		Toluene	6.0	5.8	2.0	2.0	µg/L	3.4
		Benzene	118	114	0.5	0.5	µg/L	3.4
		Naphthalene	0.000476	ND	0.000200	0.000400	mg/L	NC

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
First Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Units	RPD
			Sample	Duplicate	Sample	Duplicate		
20020836	UMW-302-WG-20200212/ DUP 003-WG-20200212	Barium	0.0535	0.0540	0.0025	0.0025	mg/L	0.93
		Toluene	ND	8.2	40.0	2.0	µg/L	NC
		Ethylbenzene	863	815	40.0	20.0	µg/L	5.7
		Xylene, Total	256	227	80.0	40.0	µg/L	12
		Benzene	391	343	10.0	5.0	µg/L	13
		Acenaphthylene	0.000557	0.000505	0.000100	0.000200	mg/L	9.8
		Acenaphthene	0.000542	0.000479	0.000100	0.000200	mg/L	12
		Naphthalene	2.42	1.96	0.000200	0.400	mg/L	21
		Fluorene	0.000194	ND	0.000100	0.000200	mg/L	NC
		Cyanide CN-	0.070	0.066	0.025	0.025	mg/L	5.9

Lab package reviewed: 20020836

Notes:
mg/L = Milligrams per liter
ND = Not detected
NC = Not calculated, one result not detected
RPD = Relative percent difference
µg/L = Micrograms per liter

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