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July 11, 2022

Ms. Robin Ambrose
Illinois Environmental Protection Agency
Division of Remediation Management
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

Subject: Groundwater Monitoring Summary
Second Quarter 2022 Sampling Event
Champaign Former Manufactured Gas Plant Site, Champaign, Illinois

Dear Ms. Ambrose:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the second quarter 2022 groundwater sampling event at the Champaign Former Manufactured Gas Plant (Site), located at 308 North Fifth Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted from April 25, 2022 to April 27, 2022.

INTRODUCTION

Groundwater sampling activities for the second quarter 2022 monitoring event were conducted from April 25, 2022 through April 27, 2022. During the sampling event, groundwater samples were collected from 24 monitoring wells, which included seven on-site monitoring wells and 17 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on April 25, 2022, prior to initiation of sampling activities. Prior to sampling at each monitoring well location, groundwater was purged from the monitoring well using the in-well dedicated bladder pumps until water quality instrumentation indicated that measured parameters had stabilized. Upon stabilization, groundwater samples were collected in containers provided by the laboratory, and placed in ice-filled coolers pending delivery to the laboratory. Monitoring wells were gauged, purged and sampled from least to most impacted. The field parameters collected during sampling activities are summarized in Table 1.

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

Groundwater level measurement data for the second quarter 2022 monitoring event included the depth to water (DTW) below each monitoring well's top of casing (TOC) and calculated groundwater elevation, which are provided in Table 2. 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 the event are summarized in Table 3. The concentrations reported in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater remediation 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 (MS/MSD), 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 3 adjacent to their respective primary sample. A summary of the results of data validation is also included with the laboratory analytical reports in Attachment 1.

Purge water that was collected from the monitoring wells during the second quarter 2022 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the April 2022 groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on April 28, 2022, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured DTW and the calculated water level elevations at the Site for the second quarter 2022 monitoring event are shown in Table 2. The DTW in the shallow monitoring wells ranged from 2.20 to 8.12 feet below the TOC. The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.20 to 4.65 feet below the TOC.

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 April 2022 were calculated to be 0.018 (UMW-124 to UMW-105), 0.009 (UMW-124 to UMW-116), and 0.013 (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, respectively.

The depths to groundwater in the eight monitoring wells that monitor the intermediate groundwater unit, ranged from 24.99 to 27.72 feet below the TOC. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south, with a groundwater gradient of approximately 0.001 ft/ft across the Site (UMW-300 to UMW-308).

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples exceeded at least one Class I (intermediate groundwater) or Class II (shallow groundwater) ingestion RO, or groundwater (vapor) inhalation RO for indoor air at residential sites (inhalation RO). The shallow groundwater unit underlying and in the vicinity of the Site is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Two of the 24 monitoring wells sampled in the second quarter 2022 monitoring event had at least one MGP-related constituent exceeding a respective Class I or II ingestion or inhalation RO.

The concentrations of total RCRA metals and total cyanide detected in the groundwater samples collected were all below their respective groundwater RO.

A benzene concentration of 0.0494 mg/L was reported in the shallow on-site monitoring well UMW-124, which exceeds the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents detected in the other fifteen shallow monitoring wells located on-site and off-site were below their respective Class II ROs.

Benzene, ethylbenzene, and naphthalene were reported in samples collected from the intermediate monitoring well UMW-302, at concentrations of 0.323, 0.757, and 2.83 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.7, and 0.14 mg/L, respectively. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceeded the groundwater inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet BLS, 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 eight intermediate monitoring wells screened in the lower groundwater unit, UMW-302 is the only intermediate monitoring well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

The analytical results from sampling events completed during the two-year period between April 2020 and April 2022 are summarized in Table 4. Figures 4A through 4C graphically display the concentration of selected constituents exceeding their respective Class I or Class II ROs at monitoring well locations UMW-124, UMW-126 and UMW-302, respectively, over the course of their entire monitoring periods.

Table 4 and Figures 4A through 4C illustrate that the concentrations reported in samples remain generally consistent or show some decline over time, exhibiting normal variability that is induced by seasonal fluctuations of precipitation or temperature at the time of the sampling event.

Data Validation

ERM reviewed analytical data from the second quarter 2022 monitoring event for compliance with quality assurance/quality control (QA/QC) requirements 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-20220427, UMW-125-WG-20220426, UMW-127-WG-20220426, UMW-301R-WG-20220426, UMW-304R-WG-20220426, and DUP-001-WG-20220427). A summary of the results of data validation is included with the laboratory analytical reports in Attachment 1.

The results of the data validation indicated that the result for equipment blank sample EB-02-WQ-202204227, was determined to be unusable due to holding time exceedance, however, no other data required modification, other than the addition of qualifiers.

The data validation memorandum also discussed laboratory control sample and laboratory control sample duplicates outside of recovery and relative percent difference (RPD) limits, preservations in the cyanide and RCRA metal samples at time of receipt, re-analysis of naphthalene past holding time, high matrix spike recoveries, surrogate recoveries, and internal standard recoveries. However, the validation process determined that these issues had no effect on data quality and no validation qualifiers were necessary. 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 following applied qualifiers should be considered when using the data. An 'J' qualifier indicates that the results is estimated detected results. An 'UJ' qualifier indicates that the results in non-detected, estimated report limit. An 'R' qualifier indicates that the result is rejected.

CONCLUSIONS – 2nd Quarter Results

Based on the data collected during the second quarter 2022 monitoring event, on-site monitoring well UMW-124 was the only shallow monitoring well where a constituent concentration was detected that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in the sample from UMW-124 that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (total cyanide or RCRA metals) constituents were exceeded in samples collected from the other monitoring wells screened in the shallow groundwater unit.

The intermediate groundwater unit had detections in one monitoring well location; UMW-302, located south of the Site exceeding groundwater ROs. Benzene, ethylbenzene, and naphthalene were detected 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 July 2022. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Jarred Schmidt
Senior Consultant, Project Management

Alan Cork, P.E.
Principal Consultant, Engineer

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

Tables
Table 1 Summary of Field Parameters
Table 2 Groundwater Elevation Data
Table 3 Summary of Analytical Results
Table 4 Analytical Result by Parameter

Attachment
Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures

UMW-109
729.22

UMW-111A
729.21

730

UMW-118
729.85

731

UMW-120
731.69

UMW-119
732.48

UMW-102
732.00

UMW-125
733.27

UMW-116
731.52

E Hill St

UMW-127
733.73

UMW-124
733.37

733

UMW-126
733.37

UMW-106R
731.47

732

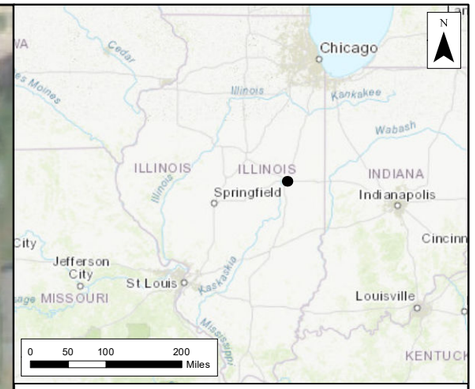
UMW-122
731.03

731

UMW-105
730.55

UMW-121
732.42

UMW-123
731.01



Legend

- Shallow Monitoring Well with April 25 2022 Groundwater Elevation
- April 25 2022 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 1
Shallow Groundwater Elevation Contours
April 25 2022
Ameren Services
Champaign, Illinois

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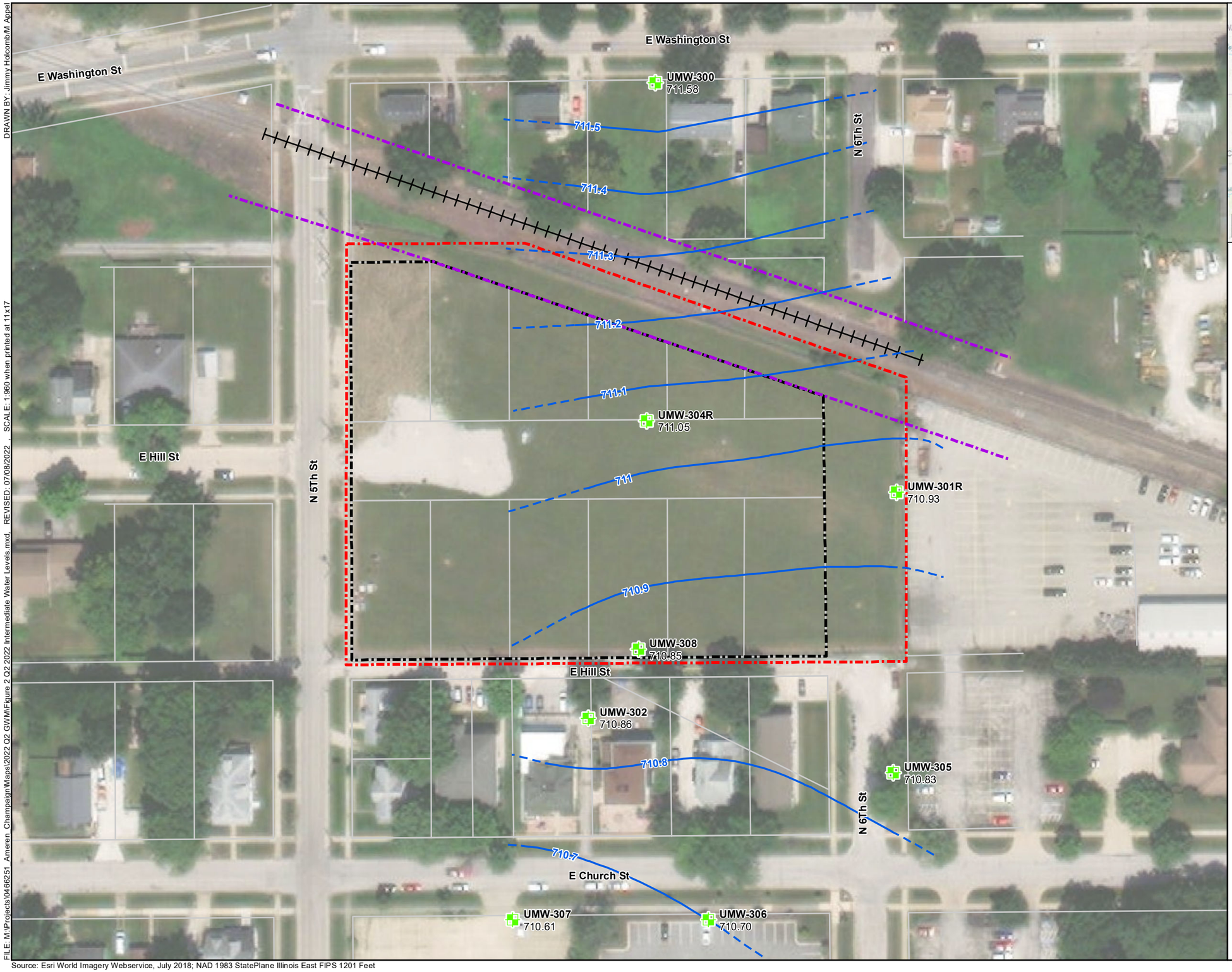

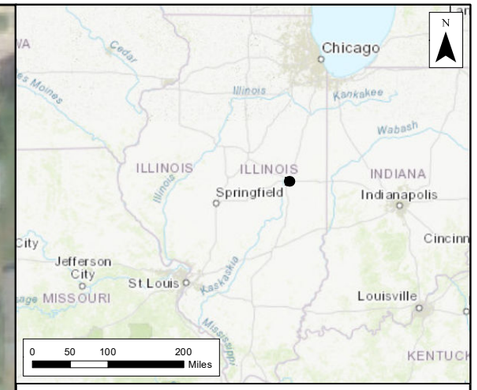

Legend

- Intermediate Monitoring Well with April 25 2022 Groundwater Elevation
- April 25 2022 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 2
Intermediate Groundwater Elevation Contours
April 25 2022
Ameren Services
Champaign, Illinois

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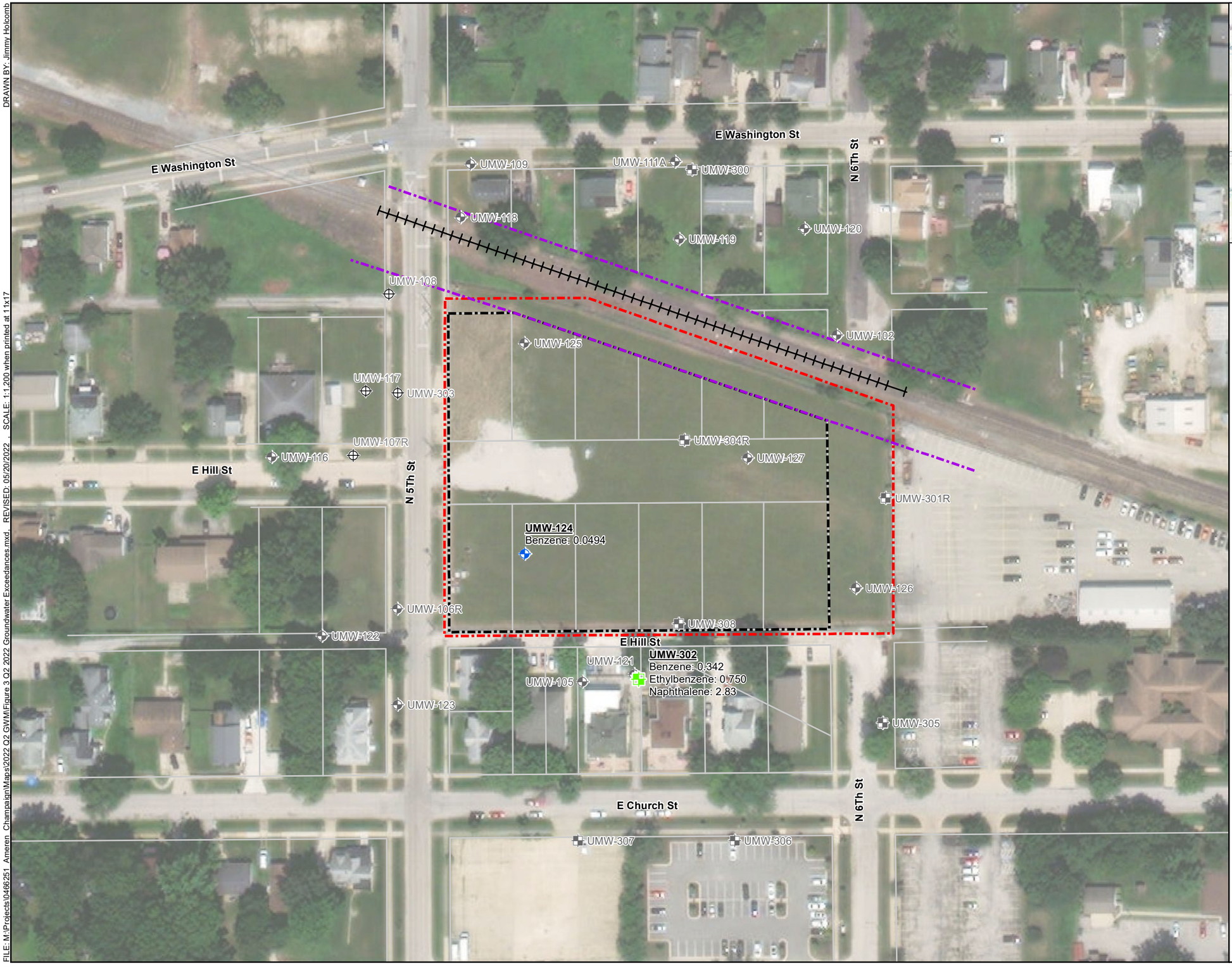
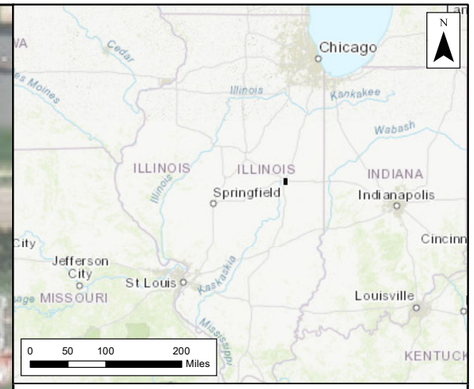
Source: Esri World Imagery Webservice, July 2018; NAD 1983 StatePlane Illinois East FIPS 1201 Feet

DRAWN BY: Jimmy Holcomb/M Appel
REVISED: 07/08/2022 , SCALE: 1:960 when printed at 11x17
FILE: M:\Projects\0466251_Ameren_Champaign\Maps\2022 Q2 GWM\Figure 2 Q2 2022 Intermediate Water Levels.mxd





Legend

- Shallow Monitoring Well with Exceedance
- Intermediate Monitoring Well with Exceedance
- Intermediate Monitoring Well with No Exceedances
- Shallow Monitoring Well with No Exceedances
- Abandoned Monitoring Well Nov 4 2021
- 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) Groundwater ROs are listed.

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
April 25-27 2022
Ameren Services
Champaign, Illinois

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

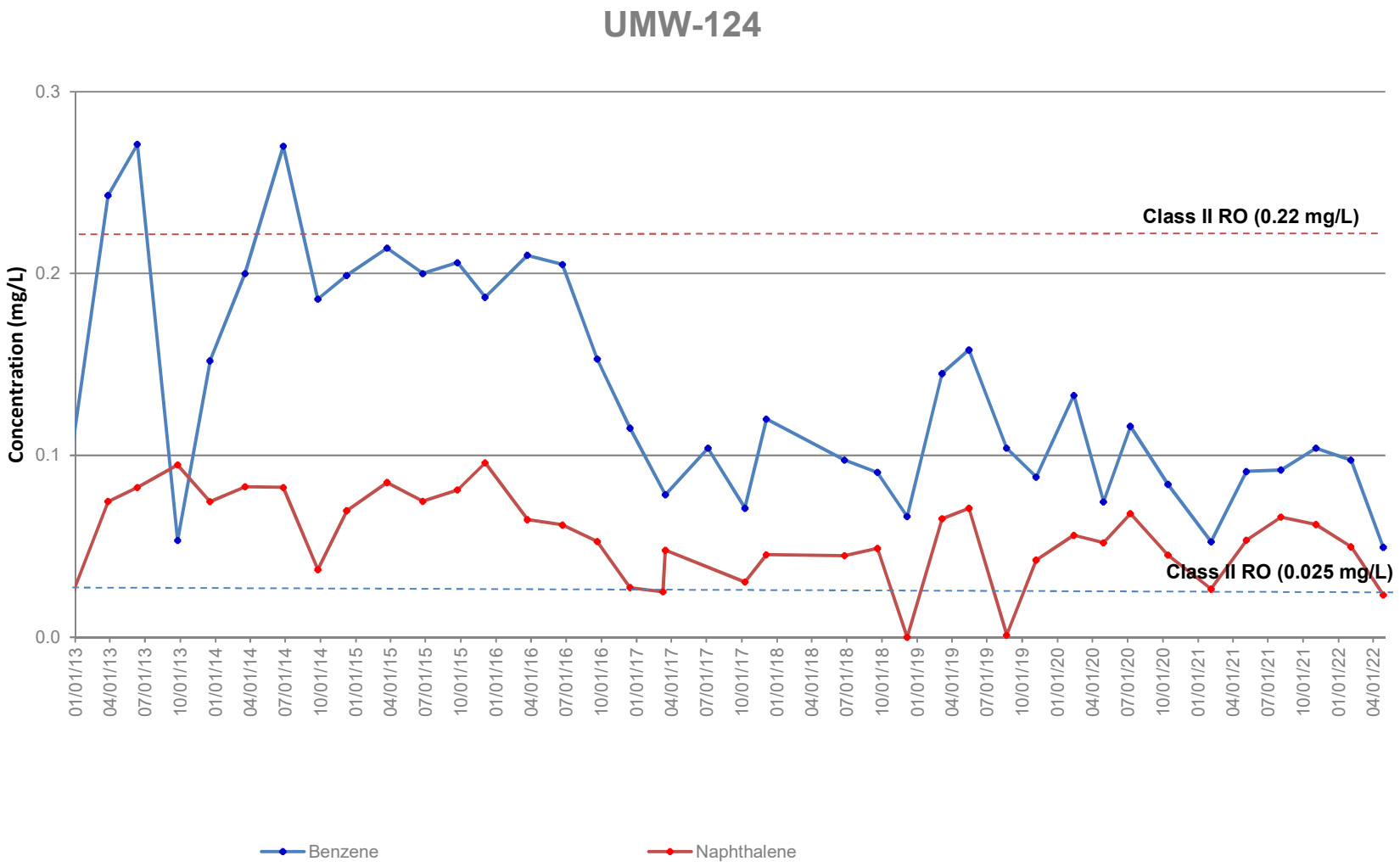


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

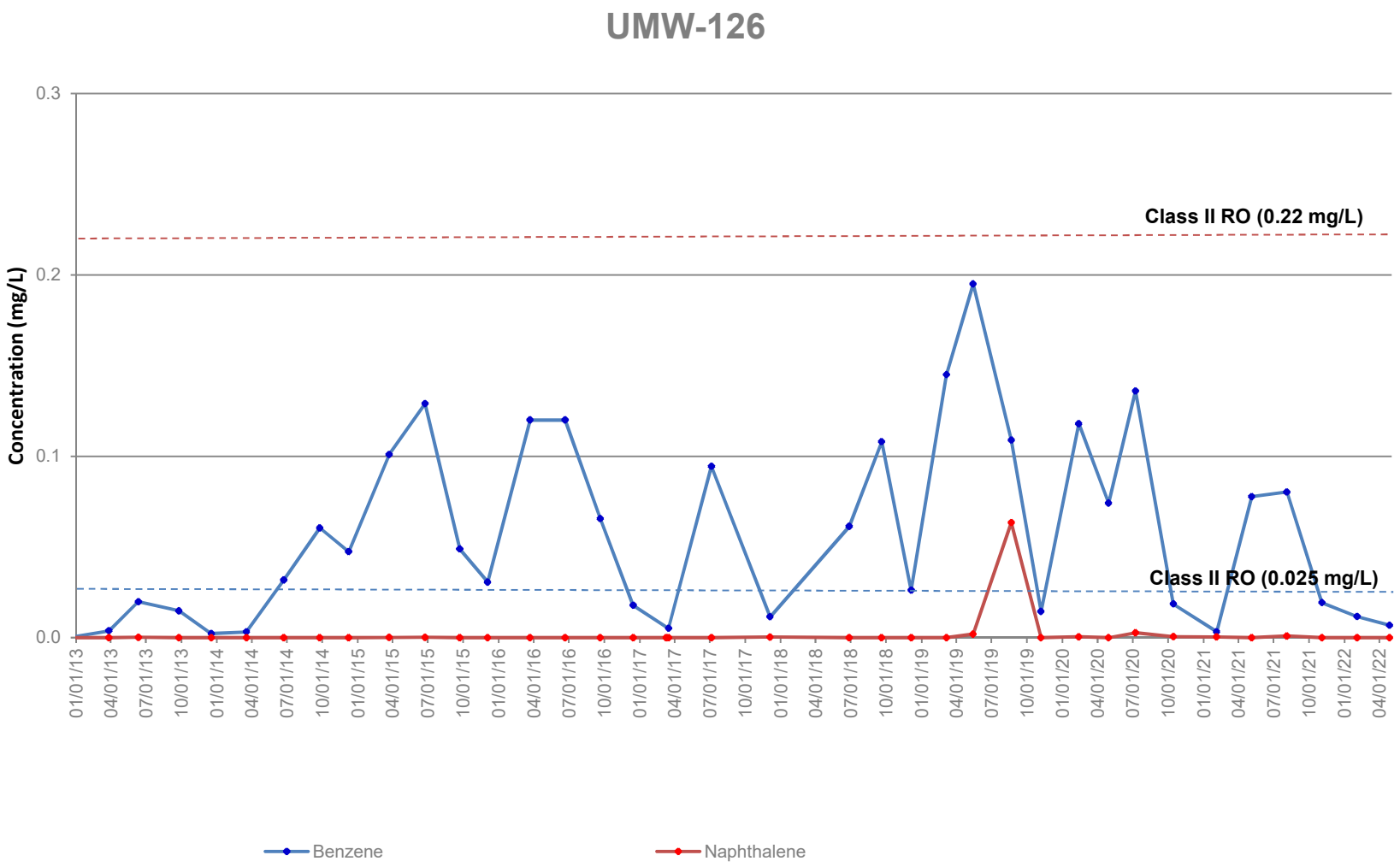
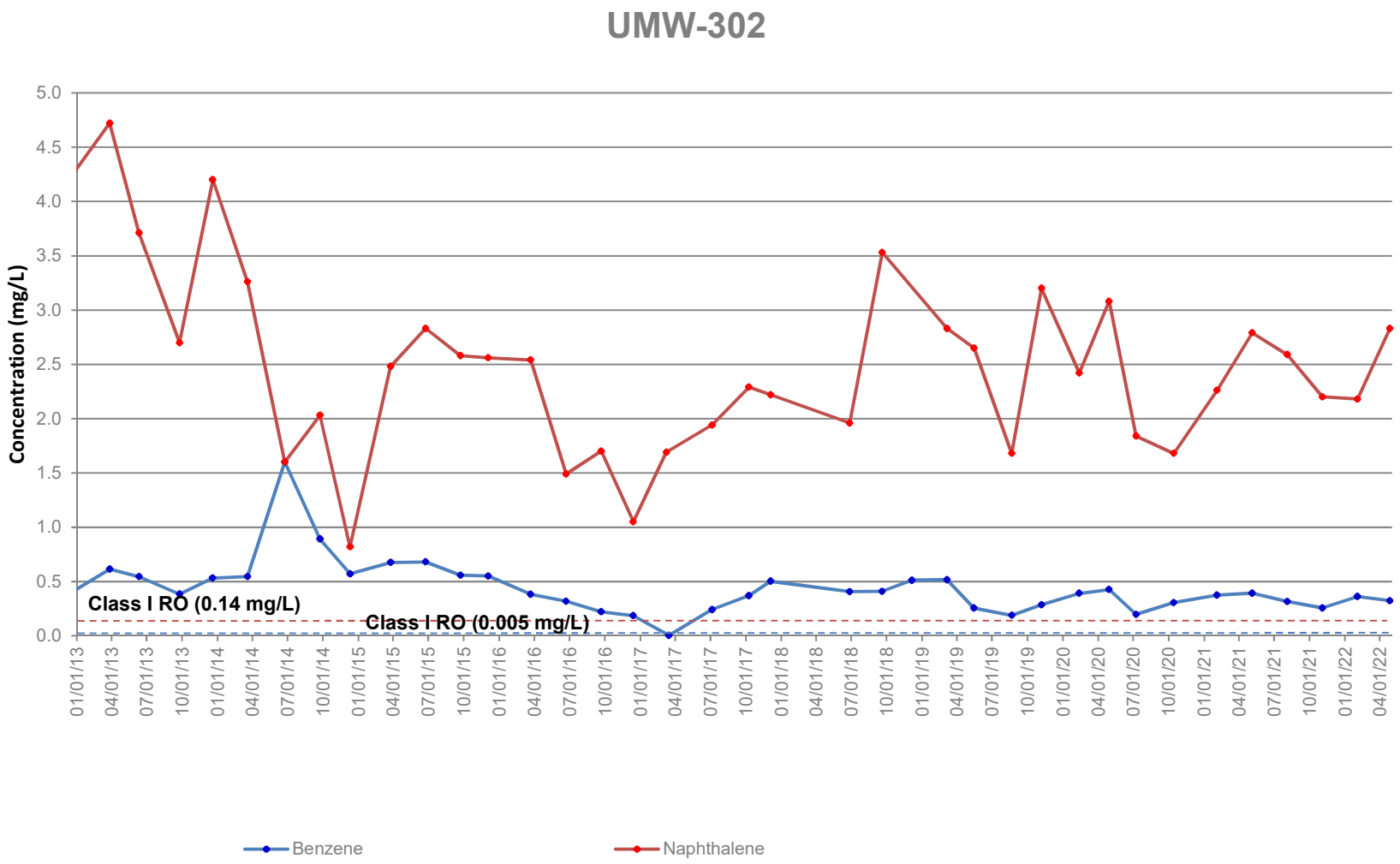


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1
Summary of Field Parameters
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Location Group	Shallow Wells (Class II Groundwater Ingestion)								
Location ID	UMW-102	UMW-105	UMW-106R	UMW-109	UMW-111A	UMW-116	UMW-118	UMW-119	UMW-120
Sample Date	4/25/2022	4/26/2022	4/26/2022	4/25/2022	4/25/2022	4/25/2022	4/25/2022	4/25/2022	4/25/2022
Sample Type	N	N	N	N	N	N	N	N	N
Parameter/Analyte									
Field Parameters									
pH	6.64	7.11	6.67	6.92	7.12	7.06	6.78	6.67	6.7
Temperature (deg C)	12.9	12.7	10.4	12.3	12.8	12.6	10.9	10.6	10.9
ORP (mV)	73.8	78.1	124.9	9.1	100.9	119.2	117.1	83.8	99
Dissolved Oxygen (mg/L)	6.14	0.91	3.77	0.47	7.65	0.27	2.76	0.64	7.39
Turbidity (NTU)	1.86	3.07	2.78	2.36	0.6	3.73	9.83	4.85	7.33

Notes:

N = Normal Environmental Sample
FD = Field Duplicate Sample
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

TABLE 1
Summary of Field Parameters
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Location Group	Shallow Wells (Class II Groundwater Ingestion)								
Location ID	UMW-121	UMW-122	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127
Sample Date	4/26/2022	4/26/2022	4/26/2022	4/27/2022	4/27/2022	4/26/2022	4/27/2022	4/27/2022	4/26/2022
Sample Type	N	N	N	N	FD	N	N	FD	N
Parameter/Analyte									
Field Parameters									
pH	6.42	7.06	7.25	10.5	NA	9.05	7.2	NA	11.61
Temperature (deg C)	10.7	10.4	10.2	9.6	NA	10.9	10.4	NA	10.2
ORP (mV)	78.9	158.1	132	-136.2	NA	64.9	-140.6	NA	-148
Dissolved Oxygen (mg/L)	2.26	1.95	4.3	0.37	NA	0.37	0.39	NA	0.26
Turbidity (NTU)	5.41	3.07	1.4	4.11	NA	8.18	18.9	NA	6.05

Notes:

N = Normal Environmental Sample
FD = Field Duplicate Sample
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

TABLE 1
Summary of Field Parameters
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Location Group	Intermediate Wells (Class I Groundwater Ingestion)								
Location ID	UMW-300	UMW-301R	UMW-302	UMW-302	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308
Sample Date	4/25/2022	4/26/2022	4/27/2022	4/27/2022	4/26/2022	4/26/2022	4/26/2022	4/26/2022	4/27/2022
Sample Type	N	N	N	FD	N	N	N	N	N
Parameter/Analyte									
Field Parameters									
pH	6.8	7.15	7.42	NA	7.19	6.95	7.38	7.08	7.36
Temperature (deg C)	14.7	14.3	13.8	NA	14	14.6	14.5	14.3	13.5
ORP (mV)	-22.9	-87.6	-136.5	NA	-89	-109.4	-120.7	-111.3	-106.5
Dissolved Oxygen (mg/L)	0.61	0.18	0.23	NA	0.16	0.48	0.17	0.53	0.26
Turbidity (NTU)	NA	4.51	0.74	NA	9.94	3.05	2.36	3.69	27.7

Notes:

N = Normal Environmental Sample
FD = Field Duplicate Sample
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

TABLE 2
Groundwater Elevation Data
April 25, 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval (feet BLS)	Pump Intake Depth (+) (feet BLS)	Elevation (feet NAVD88)		Measured 4/25/2022		Purge Vol (Gallons)	Flow Rate (mL/min)°	Sample Date
				Top of Casing (TOC)	Land Surface (LS)	WL Below TOC (feet)	Elevation (feet NAVD88)			
UMW-102	22	6.70-22.00	17.00	737.32	737.70	5.32	732.00	2.75	261.10	4/25/2022
UMW-105	19.7	9.50-19.70	17.00	737.33	737.70	6.78	730.55	2.25	162.50	4/26/2022
UMW-106R	17	7.00-17.00	15.00	737.18	737.43	5.71	731.47	4.75	379.20	4/26/2022
UMW-109	20	10.00-20.00	18.00	735.11	735.50	5.89	729.22	2.75	250.00	4/25/2022
UMW-111A	22.8	9.00-22.80	17.00	736.71	737.00	7.50	729.21	2.50	194.40	4/25/2022
UMW-116	20	10.00-20.00	18.00	736.23	736.50	4.71	731.52	2.50	200.00	4/25/2022
UMW-118	15	5.00-15.00	13.00	736.2	736.43	6.35	729.85	2.00	220.00	4/25/2022
UMW-119	15	5.00-15.00	13.00	736.8	737.09	4.32	732.48	3.00	400.00	4/25/2022
UMW-120	15	5.00-15.00	13.00	737.02	737.53	5.33	731.69	2.50	500.00	4/25/2022
UMW-121	15	5.00-15.00	13.00	738.46	738.80	6.04	732.42	3.50	400.00	4/26/2022
UMW-122	19.75	5.00-15.00	13.00	739.15	739.44	8.12	731.03	1.85	120.00	4/26/2022
UMW-123	15.89	5.89-15.89	13.90	737.24	737.53	6.23	731.01	1.60	250.00	4/26/2022
UMW-124 *	15.27	4.97-15.02	13.30	737.1	737.28	3.73	733.37	3.00	385.70	4/27/2022
UMW-125 *	15.33	5.06-15.11	13.10	737.92	738.05	4.65	733.27	2.50	350.00	4/26/2022
UMW-126 *	15.4	5.13-15.18	13.40	736.38	736.55	3.01	733.37	4.00	400.00	4/27/2022
UMW-127 *	15.38	5.11-15.16	13.40	735.93	736.14	2.20	733.73	3.00	400.00	4/26/2022
UMW-300	45	35.00-45.00	42.00	736.57	736.79	24.99	711.58	5.00	500.00	4/25/2022
UMW-301R *	46.65	36.50-46.05	44.00	736.11	736.20	25.18	710.93	3.50	380.00	4/26/2022
UMW-302	45	35.00-45.00	43.00	738.58	738.88	27.72	710.86	2.75	350.00	4/27/2022
UMW-304R *	46.16	36.01-45.56	44.00	736.48	736.72	25.43	711.05	3.25	400.00	4/26/2022
UMW-305	45	35.00-45.00	43.00	737.51	737.74	26.68	710.83	3.00	400.00	4/26/2022
UMW-306	47	37.00-47.00	15.00	736.9	737.18	26.20	710.70	3.50	352.70	4/26/2022
UMW-307	47	37.00-47.00	44.00	736.92	737.19	26.31	710.61	3.50	450.00	4/26/2022
UMW-308 *	45.29	35.14-44.69	44.00	737.21	737.39	26.36	710.85	3.00	450.00	4/27/2022

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
°	Flow rate at the time of sampling

TABLE 3
Summary of Analytical Results
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)										
			Location ID	UMW-102	UMW-105	UMW-106R	UMW-109	UMW-111A	UMW-116	UMW-118	UMW-119	UMW-120	UMW-121	UMW-122
			Sample Date	04/25/2022	04/26/2022	04/26/2022	04/25/2022	04/25/2022	04/25/2022	04/25/2022	04/25/2022	04/25/2022	04/26/2022	04/26/2022
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	**CLASS I GROUNDWATER INGESTION**	**CLASS II GROUNDWATER INGESTION**	**GW INHALATION DIFFUSION & ADVECTION RES**											
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	< 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	< 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	< 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	< 0.0040
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	< 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	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
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	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100 UJ	< 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	< 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	< 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	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	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	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
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	< 0.000200
General Chemistry, mg/L														
Total Cyanide	0.2	0.6	NS	< 0.005 UJ	0.048 J	0.017 J	0.013 J	< 0.005 UJ	< 0.005 UJ	0.019 J	0.028 J	< 0.005 UJ	0.035 J	0.009 J
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	0.0606	0.0444	0.0927	0.0946	0.0474	0.0784	0.116	0.0813	0.0614	0.0936	0.0301
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	0.0082	< 0.0050	0.0662	< 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	< 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 limit.
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:
B = Reported value is < CRDL, but >= IDL.
BU = Compound was found in the blank and sample; analyte was analyzed but not detected.
H = Holding times exceeded
U = Nondetected
UJ = Non-detect, estimated report limit
J- = Detected Results are estimated with a low bias
R = RPD outside accepted recovery limits
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 3
Summary of Analytical Results
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)							Intermediate Wells (Class I Groundwater Ingestion)			
			Location ID	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302	UMW-302
			Sample Date	04/26/2022	04/27/2022	04/27/2022	04/26/2022	04/27/2022	04/27/2022	04/26/2022	04/25/2022	04/26/2022	04/27/2022	04/27/2022
			Sample Type	N	N	FD	N	N	FD	N	N	N	N	FD
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES											
BTEX, mg/L														
Benzene	0.005	0.025	**0.11**	< 0.0005	0.0494	0.0451	0.0073	0.0068	0.0070	0.0006	< 0.0005	< 0.0005	**0.323**	**0.342**
Ethylbenzene	0.7	1	**0.37**	< 0.0020	0.0050	0.0044	0.0004 J	< 0.0020	< 0.0020	0.0002 J	< 0.0020	< 0.0020	**0.757**	**0.75**
Toluene	1	2.5	530	< 0.0020	0.0289	0.0263	< 0.0020	< 0.0020	< 0.0020	0.0006 J	< 0.0020	< 0.0020	0.0057 J	0.0051 J
Xylene, Total	10	10	30	< 0.0040	0.0151	0.0135	< 0.0040	< 0.0040	< 0.0040	0.0008 J	< 0.0040	0.0005 J	0.215	0.201
PAH, mg/L														
Acenaphthene	0.42	2.1	NS	< 0.000100	0.000340	0.000319	< 0.000100	< 0.000100	< 0.000100	0.000201	< 0.000100	0.00390	0.000329 J	0.000558 J
Acenaphthylene	0.21	1.05	NS	< 0.000100	0.000134	0.000132	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00300	0.000287	0.000381
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
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	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 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	< 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	< 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	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000221	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**	< 0.000400	0.0233	0.0226	0.000910	< 0.000400	< 0.000400	0.00038 J	< 0.000400	< 0.000400	**2.83**	**3.10**
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
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	< 0.000200
General Chemistry, mg/L														
Total Cyanide	0.2	0.6	NS	< 0.005 UJ	0.006	0.002 J	0.053 J	< 0.005 UJ	< 0.005	< 0.005	< 0.005 UJ	< 0.005 UJ	0.119 J	0.113 J
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	0.0219	0.0363	0.0355	0.0190	0.0399	0.0407	0.0894	0.0886	0.0713	0.0539	0.0561
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	0.0016 J	< 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	< 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 limit.
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:
B = Reported value is < CRDL, but >= IDL.
BU = Compound was found in the blank and sample; analyte was analyzed but not detected.
H = Holding times exceeded
U = Nondetected
UJ = Non-detect, estimated report limit
J- = Detected Results are estimated with a low bias
R = RPD outside accepted recovery limits
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 Inhalatio
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
Summary of Analytical Results
April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Intermediate Wells (Class I Groundwater Ingestion)					Field Quality Control		
			Location ID	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blank	Equipment Blank	Trip Blank
			Sample Date	04/26/2022	04/26/2022	04/26/2022	04/26/2022	04/27/2022	04/25/2022	04/27/2022	04/27/2022
			Sample Type	N	N	N	N	N	EB	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES								
BTEX, mg/L											
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	0.0002 J	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	0.0001 J	< 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
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L											
Acenaphthene	0.42	2.1	NS	0.000377	< 0.000100	< 0.000100	< 0.000100	0.000075 J	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000715	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	NA
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400 R	NA
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
General Chemistry, mg/L											
Total Cyanide	0.2	0.6	NS	0.003 J	0.009 J	0.014	0.049 J	0.016 J	< 0.005	< 0.005	NA
Metals, mg/L											
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0789	0.104	0.110	0.112	0.119	< 0.0025	< 0.0025	NA
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	NA
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	NA
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	NA
Silver	0.05		NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA

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 limit.
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:
B = Reported value is < CRDL, but >= IDL.
BU = Compound was found in the blank and sample; analyte was analyzed but not detected.
H = Holding times exceeded
U = Nondetected
UJ = Non-detect, estimated report limit
J- = Detected Results are estimated with a low bias
R = RPD outside accepted recovery limits
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 Inhalatio
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 4
Analytical Results by Parameter
February 2020 to April 2022
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	Ethylbenzene	Toluene	Xylene, Total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-102	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-105	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100 UJ	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-106R	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-107R	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-108	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-109	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-111A	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-116	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Cyanide
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-102	04/27/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/01/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-105	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.049
	11/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.042
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.039
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048 J
UMW-106R	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017 J
UMW-107R	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.378
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.339
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.316
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.271
UMW-108	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.027
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.025
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027
UMW-109	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.013 J
UMW-111A	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-116	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
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	Ethylbenzene	Toluene	Xylene, Total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-117	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
UMW-118	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000287	< 0.000300	0.000184	0.000380	0.000389	0.000227	0.000140	0.000163	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-119	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-120	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-121	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-122	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200	< 0.000100	< 0.000100	0.000102
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-123	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-124	04/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	0.0841	0.0109	0.0590	0.0308	0.000579	0.000344	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	0.0526	0.0062	0.0350	0.0186	0.000341	0.000174	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/06/2021	0.0912	0.0134	0.0776	0.0395	0.000465	0.000316	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	0.0920	0.0119	0.0707	0.0345	0.000570	0.000373	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	0.104	0.0159	0.0914	0.0483	0.000532	0.000459	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/02/2022	0.0974	0.0131	0.0802	0.0400	0.000443	0.000301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/27/2022	0.0494	0.0050	0.0289	0.0151	0.000340	0.000134	< 0.000300	< 0.000100	< 0.000200	< 0.000100 UJ	< 0.000200	< 0.000100	< 0.000100	< 0.000200

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Cyanide
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-117	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	0.00107	0.031
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.028
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.019 J
UMW-119	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.031
	10/12/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.034
	11/01/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.026
	01/31/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.030
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028 J
UMW-120	04/27/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-121	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.093
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.070
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.054
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.047
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.060
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.035 J
UMW-122	04/29/2020	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.009
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.008
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.007
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009 J
UMW-123	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-124	04/29/2020	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000300	0.000237	< 0.000100	0.0680	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
	05/06/2021	< 0.000300	< 0.000200	< 0.000200	0.0534	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	0.000209	< 0.000200	0.0661	< 0.000600	< 0.000200	0.012
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	0.0620	< 0.000600	< 0.000200	0.012
	02/02/2022	< 0.000300	0.000203	< 0.000200	0.0498	< 0.000600	< 0.000200	0.014
	04/27/2022	< 0.000300	< 0.000200	< 0.000200	0.0233	< 0.000600	< 0.000200	0.006

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
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	Ethylbenzene	Toluene	Xylene, Total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-125	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	0.0080	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	0.0073	0.0004 J	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-126	04/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	0.0033	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	0.0778	< 0.0020	0.0045	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	0.0803	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	0.0193	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/02/2022	0.0116	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/27/2022	0.0068	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100 UJ	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-127	04/29/2020	0.0019	< 0.0020	< 0.0020	< 0.0040	0.000229	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000173	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000187	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000194	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000149	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	0.0006	0.0002 J	0.0006 J	0.0008 J	0.000201	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-300	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/25/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-301R	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00291	0.00301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00308	0.00264	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00337	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00321	0.00307	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00349	0.00355	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	0.0005 J	0.00390	0.00300	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-302	04/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	**0.374**	**0.786**	< 0.0200	0.223	0.000635	0.000450	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	**0.392**	**0.916**	< 0.0200	0.287	0.000776	0.000501	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	**0.316**	**0.804**	< 0.0200	0.205	0.000691	0.000585	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	**0.256**	**0.763**	< 0.0200	0.202	0.000710	0.000500	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/02/2022	**0.362**	**0.76**	< 0.0200	0.208	0.000714	0.000536	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/27/2022	**0.323**	**0.757**	0.0057 J	0.215	0.000329 J	0.000287	< 0.000300	< 0.000100	< 0.000200	< 0.000100 UJ	< 0.000200	< 0.000100	< 0.000100	< 0.000200

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Cyanide
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-125	04/30/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000878	< 0.000600	< 0.000200	0.024
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.038
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.041
	11/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.092
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.064
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	0.000910	< 0.000600	< 0.000200	0.053 J
UMW-126	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000887	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000498	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000455	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	0.000928	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/27/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-127	04/29/2020	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.00150	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.00129	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	0.00201	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	0.00038 J	< 0.000600	< 0.000200	< 0.005
UMW-300	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/25/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-301R	04/29/2020	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000300	0.000208	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	0.00936 J+	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	04/26/2022	< 0.000300	0.000221	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-302	04/29/2020	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	**2.79**	< 0.000600	< 0.000200	0.154 J
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	**2.59**	< 0.000600	< 0.000200	0.073
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	**2.20**	< 0.000600	< 0.000200	0.099
	02/02/2022	< 0.000300	< 0.000200	< 0.000200	**2.18**	< 0.000600	< 0.000200	0.091
	04/27/2022	< 0.000300	< 0.000200	< 0.000200	**2.83**	< 0.000600	< 0.000200	0.119 J

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
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	Ethylbenzene	Toluene	Xylene, Total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-303	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	0.000475	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
UMW-304R	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000284	0.000612	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000418	0.000740	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000329	0.000834	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000321	0.000691	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000283	0.000673	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	0.0001 J	< 0.0020	< 0.0040	0.000377	0.000715	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-305	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-306	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000105	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-307	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000490	< 0.000300	0.000118	0.000192	0.000172	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/26/2022	0.0002 J	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
UMW-308	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000172	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100	< 0.000200 UJ
	02/02/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200
	04/27/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000075 J	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200

TABLE 4
Analytical Results by Parameter
February 2020 to April 2022
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	Total Cyanide
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-303	04/28/2020	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.00182	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000419	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000300	0.000280	< 0.000200	0.00548	0.00298	0.000316	< 0.005
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	0.00256	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00123	< 0.000600	< 0.000200	< 0.005
UMW-304R	04/30/2020	< 0.000300	0.000266	< 0.000100	< 0.000441	0.000894	0.000273	< 0.005
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	0.00353	< 0.000600	< 0.000200	< 0.005
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.003 J
UMW-305	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.008
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009 J
UMW-306	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.00111	< 0.000600	< 0.000200	0.008
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.012
	11/02/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.012
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
UMW-307	04/28/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.069
	11/02/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.050
	02/01/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.042
	04/26/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.049 J
UMW-308	04/29/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	05/05/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017
	11/03/2021	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.010
	02/02/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	04/27/2022	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
mg/L = milligrams per liter

Qualifiers:
U = Nondetected
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J- = The concentration of the sample is considered to be biased low, as the associated QC results are outside the lower control limits
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

May 11, 2022

Jarred Schmidt
ERM
1968 Craig Road
Suite 100
St. Louis, MO 63146
TEL: (314) 733-4490
FAX:

Illinois	100226
Kansas	E-10374
Louisiana	05002
Louisiana	05003
Oklahoma	9978

RE: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **WorkOrder:** 22041679

Dear Jarred Schmidt:

TEKLAB, INC received 30 samples on 4/27/2022 1:25:00 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
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

http://www.teklabinc.com/

Client: ERM

Work Order: 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683)

Report Date: 11-May-22

This reporting package includes the following:

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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
NC	Data is not acceptable for compliance purposes
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)

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Case Narrative

http://www.teklabinc.com/

Client: ERM

Work Order: 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683)

Report Date: 11-May-22

Cooler Receipt Temp: 4.2 °C

This report was revised on May 11, 2022 per Alison Treglia's request. The reason for the revision is to include MDLs and J-flagged results. Please replace report dated May 9, 2022 with this report. EAH 5/11/22

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:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2023	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2023	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2023	Collinsville
Illinois	IDPH	17584		5/31/2023	Collinsville
Kentucky	UST	0073		1/31/2023	Collinsville
Missouri	MDNR	00930		5/31/2023	Collinsville
Missouri	MDNR	930		1/31/2025	Collinsville

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-001 **Client Sample ID:** UMW-102-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 14:35

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 12:20	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	05/03/2022 17:59	191153
Barium	NELAP	0.0007	0.0025		**0.0606**	mg/L	1	05/03/2022 17:59	191153
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/03/2022 17:59	191153
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/03/2022 17:59	191153
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/03/2022 17:59	191153
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	05/03/2022 17:59	191153
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	05/03/2022 17:59	191153
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:00	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 15:55	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 15:55	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 15:55	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 15:55	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 15:55	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 15:55	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**85.8**	%REC	1	04/29/2022 15:55	191139
Surr: Nitrobenzene-d5	*	0	15-163		**83.3**	%REC	1	04/29/2022 15:55	191139
Surr: p-Terphenyl-d14	*	0	10-173		**124.8**	%REC	1	04/29/2022 15:55	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 22:09	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:09	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:09	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 22:09	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.6**	%REC	1	04/28/2022 22:09	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.3**	%REC	1	04/28/2022 22:09	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	04/28/2022 22:09	191209
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	04/28/2022 22:09	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-002 **Client Sample ID:** UMW-105-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 11:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.003	0.010		**0.048**	mg/L	2	05/03/2022 12:18	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	05/03/2022 18:03	191153
Barium	NELAP	0.0007	0.0025		**0.0444**	mg/L	1	05/03/2022 18:03	191153
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/03/2022 18:03	191153
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/03/2022 18:03	191153
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/03/2022 18:03	191153
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	05/03/2022 18:03	191153
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	05/03/2022 18:03	191153
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:07	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 15:32	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 15:32	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 15:32	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 15:32	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 15:32	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 15:32	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.6**	%REC	1	05/04/2022 15:32	191287
Surr: Nitrobenzene-d5	*	0	15-163		**95.6**	%REC	1	05/04/2022 15:32	191287
Surr: p-Terphenyl-d14	*	0	10-173		**99.0**	%REC	1	05/04/2022 15:32	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 22:32	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:32	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:32	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 22:32	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.5**	%REC	1	04/28/2022 22:32	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.4**	%REC	1	04/28/2022 22:32	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	04/28/2022 22:32	191209
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	04/28/2022 22:32	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-003 **Client Sample ID:** UMW-106R-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 7:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.017**	mg/L	1	05/02/2022 12:29	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	05/03/2022 18:06	191153
Barium	NELAP	0.0007	0.0025		**0.0927**	mg/L	1	05/03/2022 18:06	191153
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/03/2022 18:06	191153
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/03/2022 18:06	191153
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/03/2022 18:06	191153
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	05/03/2022 18:06	191153
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	05/03/2022 18:06	191153
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:10	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 17:15	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 17:15	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 17:15	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 17:15	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 17:15	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 17:15	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**62.2**	%REC	1	05/03/2022 17:15	191287
Surr: Nitrobenzene-d5	*	0	15-163		**59.1**	%REC	1	05/03/2022 17:15	191287
Surr: p-Terphenyl-d14	*	0	10-173		**69.7**	%REC	1	05/03/2022 17:15	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 22:55	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:55	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 22:55	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 22:55	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.0**	%REC	1	04/28/2022 22:55	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.5**	%REC	1	04/28/2022 22:55	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	04/28/2022 22:55	191209
Surr: Toluene-d8	*	0	80-120		**97.8**	%REC	1	04/28/2022 22:55	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-004 **Client Sample ID:** UMW-109-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 17:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.013**	mg/L	1	05/02/2022 12:33	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	05/03/2022 18:10	191153
Barium	NELAP	0.0007	0.0025		**0.0946**	mg/L	1	05/03/2022 18:10	191153
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/03/2022 18:10	191153
Chromium	NELAP	0.0028	0.0050		**0.0082**	mg/L	1	05/03/2022 18:10	191153
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/03/2022 18:10	191153
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	05/03/2022 18:10	191153
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	05/03/2022 18:10	191153
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:12	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 16:33	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 16:33	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 16:33	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 16:33	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 16:33	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 16:33	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**85.1**	%REC	1	04/29/2022 16:33	191139
Surr: Nitrobenzene-d5	*	0	15-163		**80.9**	%REC	1	04/29/2022 16:33	191139
Surr: p-Terphenyl-d14	*	0	10-173		**103.1**	%REC	1	04/29/2022 16:33	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 23:19	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 23:19	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 23:19	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 23:19	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.6**	%REC	1	04/28/2022 23:19	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.3**	%REC	1	04/28/2022 23:19	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.5**	%REC	1	04/28/2022 23:19	191209
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	04/28/2022 23:19	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-005 **Client Sample ID:** UMW-111A-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 16:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 12:37	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	05/03/2022 18:14	191153
Barium	NELAP	0.0007	0.0025		**0.0474**	mg/L	1	05/03/2022 18:14	191153
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	05/03/2022 18:14	191153
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	05/03/2022 18:14	191153
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	05/03/2022 18:14	191153
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	05/03/2022 18:14	191153
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	05/03/2022 18:14	191153
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:14	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 17:10	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:10	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 17:10	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 17:10	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 17:10	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 17:10	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.0**	%REC	1	04/29/2022 17:10	191139
Surr: Nitrobenzene-d5	*	0	15-163		**79.4**	%REC	1	04/29/2022 17:10	191139
Surr: p-Terphenyl-d14	*	0	10-173		**105.4**	%REC	1	04/29/2022 17:10	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 23:42	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 23:42	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 23:42	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 23:42	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.3**	%REC	1	04/28/2022 23:42	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.2**	%REC	1	04/28/2022 23:42	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.9**	%REC	1	04/28/2022 23:42	191209
Surr: Toluene-d8	*	0	80-120		**98.1**	%REC	1	04/28/2022 23:42	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-006 **Client Sample ID:** UMW-116-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 18:40

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 12:42	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:37	191155
Barium	NELAP	0.0007	0.0025		**0.0784**	mg/L	1	04/29/2022 19:37	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:37	191155
Chromium	NELAP	0.0028	0.0050		**0.0662**	mg/L	1	04/29/2022 19:37	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:37	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:37	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:37	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:21	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 17:48	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 17:48	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 17:48	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 17:48	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 17:48	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 17:48	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**88.6**	%REC	1	04/29/2022 17:48	191139
Surr: Nitrobenzene-d5	*	0	15-163		**76.0**	%REC	1	04/29/2022 17:48	191139
Surr: p-Terphenyl-d14	*	0	10-173		**106.9**	%REC	1	04/29/2022 17:48	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 0:06	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:06	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:06	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 0:06	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.8**	%REC	1	04/29/2022 0:06	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.3**	%REC	1	04/29/2022 0:06	191209
Surr: Dibromofluoromethane	*	0	80-120		**102.2**	%REC	1	04/29/2022 0:06	191209
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	04/29/2022 0:06	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-007 **Client Sample ID:** UMW-118-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 17:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.019**	mg/L	1	05/02/2022 11:19	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:41	191155
Barium	NELAP	0.0007	0.0025		**0.116**	mg/L	1	04/29/2022 19:41	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:41	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 19:41	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:41	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:41	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:41	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:23	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 18:26	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 18:26	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 18:26	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 18:26	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 18:26	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 18:26	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**85.1**	%REC	1	04/29/2022 18:26	191139
Surr: Nitrobenzene-d5	*	0	15-163		**78.3**	%REC	1	04/29/2022 18:26	191139
Surr: p-Terphenyl-d14	*	0	10-173		**102.3**	%REC	1	04/29/2022 18:26	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 0:29	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:29	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:29	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 0:29	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.6**	%REC	1	04/29/2022 0:29	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.8**	%REC	1	04/29/2022 0:29	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.0**	%REC	1	04/29/2022 0:29	191209
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	04/29/2022 0:29	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-008 **Client Sample ID:** UMW-119-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 15:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.028**	mg/L	1	05/02/2022 12:46	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:45	191155
Barium	NELAP	0.0007	0.0025		**0.0813**	mg/L	1	04/29/2022 19:45	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:45	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 19:45	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:45	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:45	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:45	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:25	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	04/29/2022 19:03	191139
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	04/29/2022 19:03	191139
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	04/29/2022 19:03	191139
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	04/29/2022 19:03	191139
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	04/29/2022 19:03	191139
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	04/29/2022 19:03	191139
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.0**	%REC	1	04/29/2022 19:03	191139
Surr: Nitrobenzene-d5	*	0	15-163		**78.9**	%REC	1	04/29/2022 19:03	191139
Surr: p-Terphenyl-d14	*	0	10-173		**110.7**	%REC	1	04/29/2022 19:03	191139
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 0:53	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:53	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 0:53	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 0:53	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.9**	%REC	1	04/29/2022 0:53	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.5**	%REC	1	04/29/2022 0:53	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.2**	%REC	1	04/29/2022 0:53	191209
Surr: Toluene-d8	*	0	80-120		**98.7**	%REC	1	04/29/2022 0:53	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-009 **Client Sample ID:** UMW-120-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 14:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 12:50	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:49	191155
Barium	NELAP	0.0007	0.0025		**0.0614**	mg/L	1	04/29/2022 19:49	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:49	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 19:49	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:49	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:49	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:49	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:28	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/02/2022 14:58	191195
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 14:58	191195
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/02/2022 14:58	191195
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/02/2022 14:58	191195
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/02/2022 14:58	191195
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/02/2022 14:58	191195
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**73.8**	%REC	1	05/02/2022 14:58	191195
Surr: Nitrobenzene-d5	*	0	15-163		**95.4**	%REC	1	05/02/2022 14:58	191195
Surr: p-Terphenyl-d14	*	0	10-173		**93.4**	%REC	1	05/02/2022 14:58	191195

The surrogate 2-Fluorobiphenyl was outside the Method Blank QC limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Benzo(a)pyrene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 1:16	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 1:16	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 1:16	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 1:16	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.4**	%REC	1	04/29/2022 1:16	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.0**	%REC	1	04/29/2022 1:16	191209
Surr: Dibromofluoromethane	*	0	80-120		**100.8**	%REC	1	04/29/2022 1:16	191209
Surr: Toluene-d8	*	0	80-120		**98.5**	%REC	1	04/29/2022 1:16	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-010 **Client Sample ID:** UMW-121-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 11:20

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.035**	mg/L	1	05/02/2022 12:55	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:52	191155
Barium	NELAP	0.0007	0.0025		**0.0936**	mg/L	1	04/29/2022 19:52	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:52	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 19:52	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:52	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:52	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:52	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:30	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 14:54	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 14:54	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 17:53	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 17:53	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 17:53	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 17:53	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 17:53	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 17:53	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 17:53	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 17:53	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 17:53	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 14:54	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 17:53	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 17:53	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 17:53	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 17:53	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**86.1**	%REC	1	05/03/2022 17:53	191287
Surr: Nitrobenzene-d5	*	0	15-163		**81.0**	%REC	1	05/03/2022 17:53	191287
Surr: p-Terphenyl-d14	*	0	10-173		**84.0**	%REC	1	05/03/2022 17:53	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 1:40	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 1:40	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 1:40	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 1:40	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.6**	%REC	1	04/29/2022 1:40	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.1**	%REC	1	04/29/2022 1:40	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.6**	%REC	1	04/29/2022 1:40	191209
Surr: Toluene-d8	*	0	80-120		**99.2**	%REC	1	04/29/2022 1:40	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-011 **Client Sample ID:** UMW-122-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 9:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.009**	mg/L	1	05/02/2022 12:59	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 19:56	191155
Barium	NELAP	0.0007	0.0025		**0.0301**	mg/L	1	04/29/2022 19:56	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 19:56	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 19:56	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 19:56	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 19:56	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 19:56	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00007	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:32	191159
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 18:30	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 18:30	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 18:30	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 18:30	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 18:30	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 18:30	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**59.4**	%REC	1	05/03/2022 18:30	191287
Surr: Nitrobenzene-d5	*	0	15-163		**54.9**	%REC	1	05/03/2022 18:30	191287
Surr: p-Terphenyl-d14	*	0	10-173		**67.7**	%REC	1	05/03/2022 18:30	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 2:03	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 2:03	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 2:03	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 2:03	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.1**	%REC	1	04/29/2022 2:03	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.3**	%REC	1	04/29/2022 2:03	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.1**	%REC	1	04/29/2022 2:03	191209
Surr: Toluene-d8	*	0	80-120		**97.7**	%REC	1	04/29/2022 2:03	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-012 **Client Sample ID:** UMW-123-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 7:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 13:25	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:00	191155
Barium	NELAP	0.0007	0.0025		**0.0219**	mg/L	1	04/29/2022 20:00	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:00	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:00	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:00	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:00	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:00	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:48	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 19:08	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:08	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 19:08	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 19:08	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 19:08	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 19:08	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**96.2**	%REC	1	05/03/2022 19:08	191287
Surr: Nitrobenzene-d5	*	0	15-163		**78.9**	%REC	1	05/03/2022 19:08	191287
Surr: p-Terphenyl-d14	*	0	10-173		**110.2**	%REC	1	05/03/2022 19:08	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 2:26	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 2:26	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 2:26	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 2:26	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**102.1**	%REC	1	04/29/2022 2:26	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.9**	%REC	1	04/29/2022 2:26	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.8**	%REC	1	04/29/2022 2:26	191209
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	04/29/2022 2:26	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-013 **Client Sample ID:** UMW-124-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.006**	mg/L	1	05/02/2022 13:29	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:03	191155
Barium	NELAP	0.0007	0.0025		**0.0363**	mg/L	1	04/29/2022 20:03	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:03	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:03	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:03	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:03	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:03	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:51	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000340**	mg/L	1	05/04/2022 17:24	191320
Acenaphthylene	NELAP	).000050	0.000100		**0.000134**	mg/L	1	05/04/2022 17:24	191320
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 17:24	191320
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 17:24	191320
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 17:24	191320
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 17:24	191320
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 17:24	191320
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 17:24	191320
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Naphthalene	NELAP	0.00340	0.00400		**0.0233**	mg/L	10	05/05/2022 13:53	191320
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 17:24	191320
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 17:24	191320
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**84.7**	%REC	1	05/04/2022 17:24	191320
Surr: Nitrobenzene-d5	*	0	15-163		**97.3**	%REC	1	05/04/2022 17:24	191320
Surr: p-Terphenyl-d14	*	0	10-173		**101.8**	%REC	1	05/04/2022 17:24	191320
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**49.4**	µg/L	1	04/29/2022 17:07	191227
Ethylbenzene	NELAP	0.1	2.0		**5.0**	µg/L	1	04/29/2022 17:07	191227
Toluene	NELAP	0.1	2.0		**28.9**	µg/L	1	04/29/2022 17:07	191227
Xylenes, Total	NELAP	0.3	4.0		**15.1**	µg/L	1	04/29/2022 17:07	191227
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**99.0**	%REC	1	04/29/2022 17:07	191227
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.8**	%REC	1	04/29/2022 17:07	191227
Surr: Dibromofluoromethane	*	0	80-120		**102.6**	%REC	1	04/29/2022 17:07	191227
Surr: Toluene-d8	*	0	80-120		**92.1**	%REC	1	04/29/2022 17:07	191227

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-014 **Client Sample ID:** UMW-125-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 12:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.003	0.010		**0.053**	mg/L	2	05/03/2022 12:22	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:07	191155
Barium	NELAP	0.0007	0.0025		**0.0190**	mg/L	1	04/29/2022 20:07	191155
Cadmium	NELAP	0.0005	0.0020	J	**0.0016**	mg/L	1	04/29/2022 20:07	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:07	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:07	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:07	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:07	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:53	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 20:23	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 20:23	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 20:23	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Naphthalene	NELAP	).000340	0.000400		**0.000910**	mg/L	1	05/03/2022 20:23	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 20:23	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 20:23	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**89.0**	%REC	1	05/03/2022 20:23	191287
Surr: Nitrobenzene-d5	*	0	15-163		**88.3**	%REC	1	05/03/2022 20:23	191287
Surr: p-Terphenyl-d14	*	0	10-173		**74.1**	%REC	1	05/03/2022 20:23	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**7.3**	µg/L	1	04/29/2022 3:13	191209
Ethylbenzene	NELAP	0.1	2.0	J	**0.4**	µg/L	1	04/29/2022 3:13	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 3:13	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 3:13	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.4**	%REC	1	04/29/2022 3:13	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**101.3**	%REC	1	04/29/2022 3:13	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.5**	%REC	1	04/29/2022 3:13	191209
Surr: Toluene-d8	*	0	80-120		**98.1**	%REC	1	04/29/2022 3:13	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-015 **Client Sample ID:** UMW-126-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 9:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 13:38	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:26	191155
Barium	NELAP	0.0007	0.0025		**0.0399**	mg/L	1	04/29/2022 20:26	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:26	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:26	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:26	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:26	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:26	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:55	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 18:01	191320
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 18:01	191320
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 18:01	191320
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 18:01	191320
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 18:01	191320
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 18:01	191320
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**96.8**	%REC	1	05/04/2022 18:01	191320
Surr: Nitrobenzene-d5	*	0	15-163		**85.8**	%REC	1	05/04/2022 18:01	191320
Surr: p-Terphenyl-d14	*	0	10-173		**105.7**	%REC	1	05/04/2022 18:01	191320
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**6.8**	µg/L	1	04/29/2022 3:37	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 3:37	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 3:37	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 3:37	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.0**	%REC	1	04/29/2022 3:37	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.9**	%REC	1	04/29/2022 3:37	191209
Surr: Dibromofluoromethane	*	0	80-120		**100.4**	%REC	1	04/29/2022 3:37	191209
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	04/29/2022 3:37	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-016 **Client Sample ID:** UMW-127-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 13:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 13:42	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:29	191155
Barium	NELAP	0.0007	0.0025		**0.0894**	mg/L	1	04/29/2022 20:29	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:29	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:29	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:29	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:29	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:29	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:57	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000201**	mg/L	1	05/03/2022 22:53	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 22:53	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 22:53	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 22:53	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 22:53	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 22:53	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 22:53	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 22:53	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Naphthalene	NELAP	0.00034	0.00040	J	**0.00038**	mg/L	1	05/03/2022 22:53	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 22:53	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 22:53	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**71.1**	%REC	1	05/03/2022 22:53	191287
Surr: Nitrobenzene-d5	*	0	15-163		**81.4**	%REC	1	05/03/2022 22:53	191287
Surr: p-Terphenyl-d14	*	0	10-173		**98.7**	%REC	1	05/03/2022 22:53	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**0.6**	µg/L	1	04/29/2022 4:00	191209
Ethylbenzene	NELAP	0.1	2.0	J	**0.2**	µg/L	1	04/29/2022 4:00	191209
Toluene	NELAP	0.1	2.0	J	**0.6**	µg/L	1	04/29/2022 4:00	191209
Xylenes, Total	NELAP	0.3	4.0	J	**0.8**	µg/L	1	04/29/2022 4:00	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.5**	%REC	1	04/29/2022 4:00	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.3**	%REC	1	04/29/2022 4:00	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.4**	%REC	1	04/29/2022 4:00	191209
Surr: Toluene-d8	*	0	80-120		**99.2**	%REC	1	04/29/2022 4:00	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-017 **Client Sample ID:** UMW-300-WG-20220425

Matrix: GROUNDWATER **Collection Date:** 04/25/2022 16:15

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 13:46	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:33	191155
Barium	NELAP	0.0007	0.0025		**0.0886**	mg/L	1	04/29/2022 20:33	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:33	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:33	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:33	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:33	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:33	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 16:59	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/02/2022 15:36	191195
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 15:36	191195
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/02/2022 15:36	191195
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/02/2022 15:36	191195
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/02/2022 15:36	191195
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/02/2022 15:36	191195
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**68.6**	%REC	1	05/02/2022 15:36	191195
Surr: Nitrobenzene-d5	*	0	15-163		**75.7**	%REC	1	05/02/2022 15:36	191195
Surr: p-Terphenyl-d14	*	0	10-173		**106.1**	%REC	1	05/02/2022 15:36	191195

The surrogate 2-Fluorobiphenyl was outside the Method Blank QC limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Benzo(a)pyrene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 4:24	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 4:24	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 4:24	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 4:24	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.7**	%REC	1	04/29/2022 4:24	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.8**	%REC	1	04/29/2022 4:24	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.2**	%REC	1	04/29/2022 4:24	191209
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	04/29/2022 4:24	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-018 **Client Sample ID:** UMW-301R-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 13:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 13:51	191213
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:37	191155
Barium	NELAP	0.0007	0.0025		**0.0713**	mg/L	1	04/29/2022 20:37	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:37	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:37	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:37	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:37	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:37	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:02	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.00390**	mg/L	1	05/03/2022 23:31	191287
Acenaphthylene	NELAP	).000050	0.000100		**0.00300**	mg/L	1	05/03/2022 23:31	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 23:31	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 23:31	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 23:31	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 23:31	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 23:31	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 23:31	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 23:31	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 23:31	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 23:31	191287
Fluorene	NELAP	).000170	0.000200		**0.000221**	mg/L	1	05/03/2022 23:31	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 23:31	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 23:31	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 23:31	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 23:31	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.1**	%REC	1	05/03/2022 23:31	191287
Surr: Nitrobenzene-d5	*	0	15-163		**78.2**	%REC	1	05/03/2022 23:31	191287
Surr: p-Terphenyl-d14	*	0	10-173		**91.6**	%REC	1	05/03/2022 23:31	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 4:47	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 4:47	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 4:47	191209
Xylenes, Total	NELAP	0.3	4.0	J	**0.5**	µg/L	1	04/29/2022 4:47	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.2**	%REC	1	04/29/2022 4:47	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.2**	%REC	1	04/29/2022 4:47	191209
Surr: Dibromofluoromethane	*	0	80-120		**101.2**	%REC	1	04/29/2022 4:47	191209
Surr: Toluene-d8	*	0	80-120		**97.9**	%REC	1	04/29/2022 4:47	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-019 **Client Sample ID:** UMW-302-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 9:30

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.007	0.025		**0.119**	mg/L	5	05/02/2022 14:30	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:41	191155
Barium	NELAP	0.0007	0.0025		**0.0539**	mg/L	1	04/29/2022 20:41	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:41	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:41	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:41	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:41	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:41	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:04	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000329**	mg/L	1	05/04/2022 18:39	191320
Acenaphthylene	NELAP	).000050	0.000100		**0.000287**	mg/L	1	05/04/2022 18:39	191320
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 18:39	191320
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 18:39	191320
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 18:39	191320
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 18:39	191320
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 18:39	191320
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 18:39	191320
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Naphthalene	NELAP	0.340	0.400		**2.83**	mg/L	1000	05/05/2022 14:31	191320
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 18:39	191320
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 18:39	191320
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**102.1**	%REC	1	05/04/2022 18:39	191320
Surr: Nitrobenzene-d5	*	0	15-163		**97.5**	%REC	1	05/04/2022 18:39	191320
Surr: p-Terphenyl-d14	*	0	10-173		**94.5**	%REC	1	05/04/2022 18:39	191320
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.5	5.0		**323**	µg/L	10	04/29/2022 5:11	191209
Ethylbenzene	NELAP	1.0	20.0		**757**	µg/L	10	04/29/2022 5:11	191209
Toluene	NELAP	1.0	20	J	**5.7**	µg/L	10	04/29/2022 5:11	191209
Xylenes, Total	NELAP	2.8	40.0		**215**	µg/L	10	04/29/2022 5:11	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	10	04/29/2022 5:11	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**99.0**	%REC	10	04/29/2022 5:11	191209
Surr: Dibromofluoromethane	*	0	80-120		**99.7**	%REC	10	04/29/2022 5:11	191209
Surr: Toluene-d8	*	0	80-120		**97.7**	%REC	10	04/29/2022 5:11	191209

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

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-020 **Client Sample ID:** UMW-304R-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 12:45

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005	J	**0.003**	mg/L	1	05/02/2022 14:00	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:44	191155
Barium	NELAP	0.0007	0.0025		**0.0789**	mg/L	1	04/29/2022 20:44	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:44	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:44	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:44	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:44	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:44	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:06	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000377**	mg/L	1	05/04/2022 0:09	191287
Acenaphthylene	NELAP	).000050	0.000100		**0.000715**	mg/L	1	05/04/2022 0:09	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 0:09	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 0:09	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 0:09	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 0:09	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 0:09	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 0:09	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 0:09	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 0:09	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 0:09	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**84.8**	%REC	1	05/04/2022 0:09	191287
Surr: Nitrobenzene-d5	*	0	15-163		**70.4**	%REC	1	05/04/2022 0:09	191287
Surr: p-Terphenyl-d14	*	0	10-173		**106.4**	%REC	1	05/04/2022 0:09	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 5:34	191209
Ethylbenzene	NELAP	0.1	2.0	J	**0.1**	µg/L	1	04/29/2022 5:34	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 5:34	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 5:34	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.3**	%REC	1	04/29/2022 5:34	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.2**	%REC	1	04/29/2022 5:34	191209
Surr: Dibromofluoromethane	*	0	80-120		**100.5**	%REC	1	04/29/2022 5:34	191209
Surr: Toluene-d8	*	0	80-120		**98.0**	%REC	1	04/29/2022 5:34	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-021 **Client Sample ID:** UMW-305-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 10:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.009**	mg/L	1	05/02/2022 11:32	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 20:48	191155
Barium	NELAP	0.0007	0.0025		**0.104**	mg/L	1	04/29/2022 20:48	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 20:48	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 20:48	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 20:48	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 20:48	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 20:48	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:08	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/02/2022 16:13	191195
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/02/2022 16:13	191195
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/02/2022 16:13	191195
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/02/2022 16:13	191195
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/02/2022 16:13	191195
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/02/2022 16:13	191195
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**37.6**	%REC	1	05/02/2022 16:13	191195
Surr: Nitrobenzene-d5	*	0	15-163		**40.2**	%REC	1	05/02/2022 16:13	191195
Surr: p-Terphenyl-d14	*	0	10-173		**47.7**	%REC	1	05/02/2022 16:13	191195

The surrogate 2-Fluorobiphenyl was outside the Method Blank QC limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Benzo(a)pyrene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/29/2022 5:58	191209
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 5:58	191209
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/29/2022 5:58	191209
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/29/2022 5:58	191209
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**101.7**	%REC	1	04/29/2022 5:58	191209
Surr: 4-Bromofluorobenzene	*	0	80-120		**100.5**	%REC	1	04/29/2022 5:58	191209
Surr: Dibromofluoromethane	*	0	80-120		**100.9**	%REC	1	04/29/2022 5:58	191209
Surr: Toluene-d8	*	0	80-120		**98.3**	%REC	1	04/29/2022 5:58	191209

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-022 **Client Sample ID:** UMW-306-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 10:10

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.014**	mg/L	1	05/02/2022 14:04	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 21:14	191155
Barium	NELAP	0.0007	0.0025		**0.110**	mg/L	1	04/29/2022 21:14	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 21:14	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 21:14	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 21:14	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 21:14	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 21:14	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:20	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 0:46	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 0:46	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 0:46	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 0:46	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 0:46	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 0:46	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**43.8**	%REC	1	05/04/2022 0:46	191287
Surr: Nitrobenzene-d5	*	0	15-163		**44.2**	%REC	1	05/04/2022 0:46	191287
Surr: p-Terphenyl-d14	*	0	10-173		**54.2**	%REC	1	05/04/2022 0:46	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 11:24	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 11:24	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 11:24	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 11:24	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**95.9**	%REC	1	04/28/2022 11:24	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.1**	%REC	1	04/28/2022 11:24	191178
Surr: Dibromofluoromethane	*	0	80-120		**105.0**	%REC	1	04/28/2022 11:24	191178
Surr: Toluene-d8	*	0	80-120		**92.1**	%REC	1	04/28/2022 11:24	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-023 **Client Sample ID:** UMW-307-WG-20220426

Matrix: GROUNDWATER **Collection Date:** 04/26/2022 8:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.003	0.010		**0.049**	mg/L	2	05/03/2022 18:30	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 21:18	191155
Barium	NELAP	0.0007	0.0025		**0.112**	mg/L	1	04/29/2022 21:18	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 21:18	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 21:18	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 21:18	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 21:18	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 21:18	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:22	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 1:24	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 1:24	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 1:24	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 14:17	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 1:24	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 1:24	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.4**	%REC	1	05/04/2022 14:17	191287
Surr: Nitrobenzene-d5	*	0	15-163		**82.4**	%REC	1	05/04/2022 14:17	191287
Surr: p-Terphenyl-d14	*	0	10-173		**83.8**	%REC	1	05/04/2022 1:24	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5	J	**0.2**	µg/L	1	04/28/2022 11:48	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 11:48	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 11:48	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 11:48	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**96.8**	%REC	1	04/28/2022 11:48	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.4**	%REC	1	04/28/2022 11:48	191178
Surr: Dibromofluoromethane	*	0	80-120		**106.3**	%REC	1	04/28/2022 11:48	191178
Surr: Toluene-d8	*	0	80-120		**92.1**	%REC	1	04/28/2022 11:48	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-024 **Client Sample ID:** UMW-308-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 8:50

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**0.016**	mg/L	1	05/02/2022 14:34	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 21:29	191155
Barium	NELAP	0.0007	0.0025		**0.119**	mg/L	1	04/29/2022 21:29	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 21:29	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 21:29	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 21:29	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 21:29	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 21:29	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:29	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.00010	J	**0.000075**	mg/L	1	05/04/2022 3:17	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 3:17	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 3:17	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 3:17	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 3:17	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 3:17	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 3:17	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 3:17	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 3:17	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 3:17	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 3:17	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**87.2**	%REC	1	05/04/2022 3:17	191287
Surr: Nitrobenzene-d5	*	0	15-163		**84.7**	%REC	1	05/04/2022 3:17	191287
Surr: p-Terphenyl-d14	*	0	10-173		**84.4**	%REC	1	05/04/2022 3:17	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 13:01	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 13:01	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 13:01	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 13:01	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.4**	%REC	1	04/28/2022 13:01	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.8**	%REC	1	04/28/2022 13:01	191178
Surr: Dibromofluoromethane	*	0	80-120		**106.3**	%REC	1	04/28/2022 13:01	191178
Surr: Toluene-d8	*	0	80-120		**91.6**	%REC	1	04/28/2022 13:01	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-025 **Client Sample ID:** DUP 001-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005	J	**0.002**	mg/L	1	05/02/2022 14:38	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 21:33	191155
Barium	NELAP	0.0007	0.0025		**0.0355**	mg/L	1	04/29/2022 21:33	191155
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 21:33	191155
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 21:33	191155
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 21:33	191155
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 21:33	191155
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 21:33	191155
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:32	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000319**	mg/L	1	05/04/2022 13:39	191287
Acenaphthylene	NELAP	).000050	0.000100		**0.000132**	mg/L	1	05/04/2022 13:39	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 13:39	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 13:39	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 13:39	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 13:39	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 13:39	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 13:39	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Naphthalene	NELAP	0.00340	0.00400		**0.0226**	mg/L	10	05/04/2022 16:09	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 13:39	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 13:39	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**80.6**	%REC	1	05/04/2022 13:39	191287
Surr: Nitrobenzene-d5	*	0	15-163		**95.5**	%REC	1	05/04/2022 13:39	191287
Surr: p-Terphenyl-d14	*	0	10-173		**83.4**	%REC	1	05/04/2022 13:39	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**45.1**	µg/L	1	04/28/2022 13:26	191178
Ethylbenzene	NELAP	0.1	2.0		**4.4**	µg/L	1	04/28/2022 13:26	191178
Toluene	NELAP	0.1	2.0		**26.3**	µg/L	1	04/28/2022 13:26	191178
Xylenes, Total	NELAP	0.3	4.0		**13.5**	µg/L	1	04/28/2022 13:26	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**98.7**	%REC	1	04/28/2022 13:26	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.9**	%REC	1	04/28/2022 13:26	191178
Surr: Dibromofluoromethane	*	0	80-120		**106.8**	%REC	1	04/28/2022 13:26	191178
Surr: Toluene-d8	*	0	80-120		**91.8**	%REC	1	04/28/2022 13:26	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-026 **Client Sample ID:** DUP 002-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 14:43	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 22:02	191156
Barium	NELAP	0.0007	0.0025		**0.0407**	mg/L	1	04/29/2022 22:02	191156
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 22:02	191156
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 22:02	191156
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 22:02	191156
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 22:02	191156
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 22:02	191156
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:34	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 4:32	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 4:32	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 4:32	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/04/2022 4:32	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 4:32	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 4:32	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**86.6**	%REC	1	05/04/2022 4:32	191287
Surr: Nitrobenzene-d5	*	0	15-163		**99.8**	%REC	1	05/04/2022 4:32	191287
Surr: p-Terphenyl-d14	*	0	10-173		**123.9**	%REC	1	05/04/2022 4:32	191287
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**7.0**	µg/L	1	04/28/2022 13:50	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 13:50	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 13:50	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 13:50	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.6**	%REC	1	04/28/2022 13:50	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**95.5**	%REC	1	04/28/2022 13:50	191178
Surr: Dibromofluoromethane	*	0	80-120		**106.6**	%REC	1	04/28/2022 13:50	191178
Surr: Toluene-d8	*	0	80-120		**92.7**	%REC	1	04/28/2022 13:50	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-027 **Client Sample ID:** DUP 003-WG-20220427

Matrix: GROUNDWATER **Collection Date:** 04/27/2022 0:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.007	0.025		**0.113**	mg/L	5	05/02/2022 15:09	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 22:06	191156
Barium	NELAP	0.0007	0.0025		**0.0561**	mg/L	1	04/29/2022 22:06	191156
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 22:06	191156
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 22:06	191156
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 22:06	191156
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 22:06	191156
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 22:06	191156
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:36	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**0.000558**	mg/L	1	05/04/2022 5:10	191287
Acenaphthylene	NELAP	).000050	0.000100		**0.000381**	mg/L	1	05/04/2022 5:10	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 5:10	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 5:10	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 5:10	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 5:10	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 5:10	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 5:10	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Naphthalene	NELAP	0.340	0.400		**3.10**	mg/L	1000	05/04/2022 16:46	191287
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 5:10	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 5:10	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142	S	**0**	%REC	1000	05/04/2022 16:46	191287
Surr: Nitrobenzene-d5	*	0	15-163	S	**0**	%REC	1000	05/04/2022 16:46	191287
Surr: p-Terphenyl-d14	*	0	10-173		**89.2**	%REC	1	05/04/2022 5:10	191287
Surrogate recovery is outside control limits due to sample dilution.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.5	5.0		**342**	µg/L	10	04/28/2022 14:14	191178
Ethylbenzene	NELAP	1.0	20.0		**750**	µg/L	10	04/28/2022 14:14	191178
Toluene	NELAP	1.0	20	J	**5.1**	µg/L	10	04/28/2022 14:14	191178
Xylenes, Total	NELAP	2.8	40.0		**201**	µg/L	10	04/28/2022 14:14	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**100.4**	%REC	10	04/28/2022 14:14	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**94.5**	%REC	10	04/28/2022 14:14	191178
Surr: Dibromofluoromethane	*	0	80-120		**107.3**	%REC	10	04/28/2022 14:14	191178
Surr: Toluene-d8	*	0	80-120		**91.8**	%REC	10	04/28/2022 14:14	191178
Elevated reporting limit due to high levels of target and/or non-target analytes.									

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-028 **Client Sample ID:** EB-01-WQ-20220425

Matrix: AQUEOUS **Collection Date:** 04/25/2022 13:05

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 14:52	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 22:10	191156
Barium	NELAP	0.0007	0.0025		**< 0.0025**	mg/L	1	04/29/2022 22:10	191156
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 22:10	191156
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 22:10	191156
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 22:10	191156
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 22:10	191156
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 22:10	191156
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:43	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/03/2022 19:45	191195
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/03/2022 19:45	191195
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/03/2022 19:45	191195
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Naphthalene	NELAP	).000340	0.000400		**ND**	mg/L	1	05/03/2022 19:45	191195
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/03/2022 19:45	191195
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/03/2022 19:45	191195
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**70.6**	%REC	1	05/03/2022 19:45	191195
Surr: Nitrobenzene-d5	*	0	15-163		**87.1**	%REC	1	05/03/2022 19:45	191195
Surr: p-Terphenyl-d14	*	0	10-173		**81.4**	%REC	1	05/03/2022 19:45	191195

The surrogate 2-Fluorobiphenyl was outside the Method Blank QC limits. Insufficient sample to re-extract.

LCS recovered outside upper control limits for Benzo(a)pyrene. Sample results are below the reporting limit. Data is reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 14:38	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 14:38	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 14:38	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 14:38	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.4**	%REC	1	04/28/2022 14:38	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.4**	%REC	1	04/28/2022 14:38	191178
Surr: Dibromofluoromethane	*	0	80-120		**106.6**	%REC	1	04/28/2022 14:38	191178
Surr: Toluene-d8	*	0	80-120		**92.4**	%REC	1	04/28/2022 14:38	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-029 **Client Sample ID:** TB-01-WQ-20220425

Matrix: TRIP BLANK **Collection Date:** 04/27/2022 13:25

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 15:03	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 15:03	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 15:03	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 15:03	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.2**	%REC	1	04/28/2022 15:03	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.7**	%REC	1	04/28/2022 15:03	191178
Surr: Dibromofluoromethane	*	0	80-120		**105.8**	%REC	1	04/28/2022 15:03	191178
Surr: Toluene-d8	*	0	80-120		**92.2**	%REC	1	04/28/2022 15:03	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab ID: 22041679-030 **Client Sample ID:** EB-02-WQ-20220427

Matrix: AQUEOUS **Collection Date:** 04/27/2022 8:00

Analyses	Certification	MDL	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)									
Cyanide	NELAP	0.001	0.005		**< 0.005**	mg/L	1	05/02/2022 14:56	191214
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)									
Arsenic	NELAP	0.0087	0.0250		**< 0.0250**	mg/L	1	04/29/2022 22:13	191156
Barium	NELAP	0.0007	0.0025		**< 0.0025**	mg/L	1	04/29/2022 22:13	191156
Cadmium	NELAP	0.0005	0.0020		**< 0.0020**	mg/L	1	04/29/2022 22:13	191156
Chromium	NELAP	0.0028	0.0050		**< 0.0050**	mg/L	1	04/29/2022 22:13	191156
Lead	NELAP	0.0040	0.0075		**< 0.0075**	mg/L	1	04/29/2022 22:13	191156
Selenium	NELAP	0.0170	0.0400		**< 0.0400**	mg/L	1	04/29/2022 22:13	191156
Silver	NELAP	0.0009	0.0070		**< 0.0070**	mg/L	1	04/29/2022 22:13	191156
SW-846 7470A (TOTAL)									
Mercury	NELAP	0.00006	0.00020		**< 0.00020**	mg/L	1	05/02/2022 17:45	191160
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS									
Acenaphthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Acenaphthylene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Anthracene	NELAP	).000200	0.000300		**ND**	mg/L	1	05/04/2022 13:02	191287
Benzo(a)anthracene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Benzo(a)pyrene	NELAP	).000110	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Benzo(b)fluoranthene	NELAP	).000070	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Benzo(g,h,i)perylene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Benzo(k)fluoranthene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Chrysene	NELAP	).000050	0.000100		**ND**	mg/L	1	05/04/2022 13:02	191287
Dibenzo(a,h)anthracene	NELAP	).000120	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Fluoranthene	NELAP	).000270	0.000300		**ND**	mg/L	1	05/04/2022 13:02	191287
Fluorene	NELAP	).000170	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Indeno(1,2,3-cd)pyrene	NELAP	).000160	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Naphthalene	NELAP	).000340	0.000400	H	**ND**	mg/L	1	05/09/2022 10:35	191459
Phenanthrene	NELAP	).000530	0.000600		**ND**	mg/L	1	05/04/2022 13:02	191287
Pyrene	NELAP	).000180	0.000200		**ND**	mg/L	1	05/04/2022 13:02	191287
Surr: 2-Fluorobiphenyl	*	0	21.4-142		**84.1**	%REC	1	05/04/2022 13:02	191287
Surr: Nitrobenzene-d5	*	0	15-163		**76.6**	%REC	1	05/04/2022 13:02	191287
Surr: p-Terphenyl-d14	*	0	10-173		**83.7**	%REC	1	05/04/2022 13:02	191287
Sample required re-extraction out of hold time for Naphthalene.									
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS									
Benzene	NELAP	0.1	0.5		**ND**	µg/L	1	04/28/2022 15:27	191178
Ethylbenzene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 15:27	191178
Toluene	NELAP	0.1	2.0		**ND**	µg/L	1	04/28/2022 15:27	191178
Xylenes, Total	NELAP	0.3	4.0		**ND**	µg/L	1	04/28/2022 15:27	191178
Surr: 1,2-Dichloroethane-d4	*	0	80-120		**97.6**	%REC	1	04/28/2022 15:27	191178
Surr: 4-Bromofluorobenzene	*	0	80-120		**96.9**	%REC	1	04/28/2022 15:27	191178
Surr: Dibromofluoromethane	*	0	80-120		**105.4**	%REC	1	04/28/2022 15:27	191178
Surr: Toluene-d8	*	0	80-120		**92.9**	%REC	1	04/28/2022 15:27	191178

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22041679-001	UMW-102-WG-20220425	Groundwater	4	04/25/2022 14:35
22041679-002	UMW-105-WG-20220426	Groundwater	4	04/26/2022 11:50
22041679-003	UMW-106R-WG-20220426	Groundwater	4	04/26/2022 7:50
22041679-004	UMW-109-WG-20220425	Groundwater	4	04/25/2022 17:45
22041679-005	UMW-111A-WG-20220425	Groundwater	4	04/25/2022 16:00
22041679-006	UMW-116-WG-20220425	Groundwater	4	04/25/2022 18:40
22041679-007	UMW-118-WG-20220425	Groundwater	4	04/25/2022 17:15
22041679-008	UMW-119-WG-20220425	Groundwater	4	04/25/2022 15:10
22041679-009	UMW-120-WG-20220425	Groundwater	4	04/25/2022 14:10
22041679-010	UMW-121-WG-20220426	Groundwater	4	04/26/2022 11:20
22041679-011	UMW-122-WG-20220426	Groundwater	4	04/26/2022 9:05
22041679-012	UMW-123-WG-20220426	Groundwater	4	04/26/2022 7:30
22041679-013	UMW-124-WG-20220427	Groundwater	4	04/27/2022 10:00
22041679-014	UMW-125-WG-20220426	Groundwater	4	04/26/2022 12:25
22041679-015	UMW-126-WG-20220427	Groundwater	4	04/27/2022 9:00
22041679-016	UMW-127-WG-20220426	Groundwater	4	04/26/2022 13:30
22041679-017	UMW-300-WG-20220425	Groundwater	4	04/25/2022 16:15
22041679-018	UMW-301R-WG-20220426	Groundwater	4	04/26/2022 13:45
22041679-019	UMW-302-WG-20220427	Groundwater	4	04/27/2022 9:30
22041679-020	UMW-304R-WG-20220426	Groundwater	4	04/26/2022 12:45
22041679-021	UMW-305-WG-20220426	Groundwater	4	04/26/2022 10:00
22041679-022	UMW-306-WG-20220426	Groundwater	4	04/26/2022 10:10
22041679-023	UMW-307-WG-20220426	Groundwater	4	04/26/2022 8:50
22041679-024	UMW-308-WG-20220427	Groundwater	4	04/27/2022 8:50
22041679-025	DUP 001-WG-20220427	Groundwater	4	04/27/2022 0:00
22041679-026	DUP 002-WG-20220427	Groundwater	4	04/27/2022 0:00
22041679-027	DUP 003-WG-20220427	Groundwater	4	04/27/2022 0:00
22041679-028	EB-01-WQ-20220425	Aqueous	4	04/25/2022 13:05
22041679-029	TB-01-WQ-20220425	Trip Blank	1	04/27/2022 13:25
22041679-030	EB-02-WQ-20220427	Aqueous	4	04/27/2022 8:00

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22041679-001A	UMW-102-WG-20220425	04/25/2022 14:35	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 15:55
22041679-001B	UMW-102-WG-20220425	04/25/2022 14:35	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:30	05/03/2022 17:59
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:00
22041679-001C	UMW-102-WG-20220425	04/25/2022 14:35	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:20
22041679-001D	UMW-102-WG-20220425	04/25/2022 14:35	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 22:09
22041679-002A	UMW-105-WG-20220426	04/26/2022 11:50	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/04/2022 15:32
22041679-002B	UMW-105-WG-20220426	04/26/2022 11:50	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:30	05/03/2022 18:03
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:07
22041679-002C	UMW-105-WG-20220426	04/26/2022 11:50	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/03/2022 12:18
22041679-002D	UMW-105-WG-20220426	04/26/2022 11:50	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 22:32
22041679-003A	UMW-106R-WG-20220426	04/26/2022 7:50	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/03/2022 17:15
22041679-003B	UMW-106R-WG-20220426	04/26/2022 7:50	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:30	05/03/2022 18:06
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:10
22041679-003C	UMW-106R-WG-20220426	04/26/2022 7:50	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:29
22041679-003D	UMW-106R-WG-20220426	04/26/2022 7:50	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 22:55
22041679-004A	UMW-109-WG-20220425	04/25/2022 17:45	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 16:33
22041679-004B	UMW-109-WG-20220425	04/25/2022 17:45	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:30	05/03/2022 18:10
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:12
22041679-004C	UMW-109-WG-20220425	04/25/2022 17:45	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:33
22041679-004D	UMW-109-WG-20220425	04/25/2022 17:45	04/27/2022 13:25		

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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				04/28/2022 23:19
22041679-005A	UMW-111A-WG-20220425	04/25/2022 16:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 17:10
22041679-005B	UMW-111A-WG-20220425	04/25/2022 16:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:30	05/03/2022 18:14
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:14
22041679-005C	UMW-111A-WG-20220425	04/25/2022 16:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:37
22041679-005D	UMW-111A-WG-20220425	04/25/2022 16:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 23:42
22041679-006A	UMW-116-WG-20220425	04/25/2022 18:40	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 17:48
22041679-006B	UMW-116-WG-20220425	04/25/2022 18:40	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:37
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:21
22041679-006C	UMW-116-WG-20220425	04/25/2022 18:40	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:42
22041679-006D	UMW-116-WG-20220425	04/25/2022 18:40	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 0:06
22041679-007A	UMW-118-WG-20220425	04/25/2022 17:15	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 18:26
22041679-007B	UMW-118-WG-20220425	04/25/2022 17:15	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:41
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:23
22041679-007C	UMW-118-WG-20220425	04/25/2022 17:15	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 11:19
22041679-007D	UMW-118-WG-20220425	04/25/2022 17:15	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 0:29
22041679-008A	UMW-119-WG-20220425	04/25/2022 15:10	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 15:06	04/29/2022 19:03
22041679-008B	UMW-119-WG-20220425	04/25/2022 15:10	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:45
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:25
22041679-008C	UMW-119-WG-20220425	04/25/2022 15:10	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:46

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22041679-008D	UMW-119-WG-20220425	04/25/2022 15:10	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 0:53
22041679-009A	UMW-120-WG-20220425	04/25/2022 14:10	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 20:29	05/02/2022 14:58
22041679-009B	UMW-120-WG-20220425	04/25/2022 14:10	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:49
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:28
22041679-009C	UMW-120-WG-20220425	04/25/2022 14:10	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:50
22041679-009D	UMW-120-WG-20220425	04/25/2022 14:10	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 1:16
22041679-010A	UMW-121-WG-20220426	04/26/2022 11:20	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/03/2022 17:53
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/04/2022 14:54
22041679-010B	UMW-121-WG-20220426	04/26/2022 11:20	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:52
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:30
22041679-010C	UMW-121-WG-20220426	04/26/2022 11:20	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:55
22041679-010D	UMW-121-WG-20220426	04/26/2022 11:20	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 1:40
22041679-011A	UMW-122-WG-20220426	04/26/2022 9:05	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/03/2022 18:30
22041679-011B	UMW-122-WG-20220426	04/26/2022 9:05	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 19:56
	SW-846 7470A (Total)			04/28/2022 7:58	05/02/2022 16:32
22041679-011C	UMW-122-WG-20220426	04/26/2022 9:05	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 12:59
22041679-011D	UMW-122-WG-20220426	04/26/2022 9:05	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 2:03
22041679-012A	UMW-123-WG-20220426	04/26/2022 7:30	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/03/2022 19:08
22041679-012B	UMW-123-WG-20220426	04/26/2022 7:30	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:00
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:48

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22041679-012C	UMW-123-WG-20220426	04/26/2022 7:30	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:25
22041679-012D	UMW-123-WG-20220426	04/26/2022 7:30	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 2:26
22041679-013A	UMW-124-WG-20220427	04/27/2022 10:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/03/2022 14:18	05/04/2022 17:24
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/03/2022 14:18	05/05/2022 13:53
22041679-013B	UMW-124-WG-20220427	04/27/2022 10:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:03
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:51
22041679-013C	UMW-124-WG-20220427	04/27/2022 10:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:29
22041679-013D	UMW-124-WG-20220427	04/27/2022 10:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 17:07
22041679-014A	UMW-125-WG-20220426	04/26/2022 12:25	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 16:06	05/03/2022 20:23
22041679-014B	UMW-125-WG-20220426	04/26/2022 12:25	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:07
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:53
22041679-014C	UMW-125-WG-20220426	04/26/2022 12:25	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/03/2022 12:22
22041679-014D	UMW-125-WG-20220426	04/26/2022 12:25	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 3:13
22041679-015A	UMW-126-WG-20220427	04/27/2022 9:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/03/2022 14:18	05/04/2022 18:01
22041679-015B	UMW-126-WG-20220427	04/27/2022 9:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:26
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:55
22041679-015C	UMW-126-WG-20220427	04/27/2022 9:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:38
22041679-015D	UMW-126-WG-20220427	04/27/2022 9:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 3:37
22041679-016A	UMW-127-WG-20220426	04/26/2022 13:30	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/03/2022 22:53
22041679-016B	UMW-127-WG-20220426	04/26/2022 13:30	04/27/2022 13:25		

Client: ERM **Work Order:** 22041679

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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)			04/28/2022 7:37	04/29/2022 20:29
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:57
22041679-016C	UMW-127-WG-20220426	04/26/2022 13:30	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:42
22041679-016D	UMW-127-WG-20220426	04/26/2022 13:30	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 4:00
22041679-017A	UMW-300-WG-20220425	04/25/2022 16:15	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 20:29	05/02/2022 15:36
22041679-017B	UMW-300-WG-20220425	04/25/2022 16:15	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:33
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 16:59
22041679-017C	UMW-300-WG-20220425	04/25/2022 16:15	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:46
22041679-017D	UMW-300-WG-20220425	04/25/2022 16:15	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 4:24
22041679-018A	UMW-301R-WG-20220426	04/26/2022 13:45	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/03/2022 23:31
22041679-018B	UMW-301R-WG-20220426	04/26/2022 13:45	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:37
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:02
22041679-018C	UMW-301R-WG-20220426	04/26/2022 13:45	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 13:51
22041679-018D	UMW-301R-WG-20220426	04/26/2022 13:45	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 4:47
22041679-019A	UMW-302-WG-20220427	04/27/2022 9:30	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/03/2022 14:18	05/04/2022 18:39
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/03/2022 14:18	05/05/2022 14:31
22041679-019B	UMW-302-WG-20220427	04/27/2022 9:30	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:41
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:04
22041679-019C	UMW-302-WG-20220427	04/27/2022 9:30	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:30
22041679-019D	UMW-302-WG-20220427	04/27/2022 9:30	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 5:11
22041679-020A	UMW-304R-WG-20220426	04/26/2022 12:45	04/27/2022 13:25		

Client: ERM **Work Order:** 22041679

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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			05/02/2022 18:29	05/04/2022 0:09
22041679-020B	UMW-304R-WG-20220426	04/26/2022 12:45	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:44
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:06
22041679-020C	UMW-304R-WG-20220426	04/26/2022 12:45	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:00
22041679-020D	UMW-304R-WG-20220426	04/26/2022 12:45	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 5:34
22041679-021A	UMW-305-WG-20220426	04/26/2022 10:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 20:29	05/02/2022 16:13
22041679-021B	UMW-305-WG-20220426	04/26/2022 10:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 20:48
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:08
22041679-021C	UMW-305-WG-20220426	04/26/2022 10:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 11:32
22041679-021D	UMW-305-WG-20220426	04/26/2022 10:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/29/2022 5:58
22041679-022A	UMW-306-WG-20220426	04/26/2022 10:10	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 0:46
22041679-022B	UMW-306-WG-20220426	04/26/2022 10:10	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 21:14
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:20
22041679-022C	UMW-306-WG-20220426	04/26/2022 10:10	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:04
22041679-022D	UMW-306-WG-20220426	04/26/2022 10:10	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 11:24
22041679-023A	UMW-307-WG-20220426	04/26/2022 8:50	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 1:24
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 14:17
22041679-023B	UMW-307-WG-20220426	04/26/2022 8:50	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 21:18
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:22
22041679-023C	UMW-307-WG-20220426	04/26/2022 8:50	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/03/2022 18:30
22041679-023D	UMW-307-WG-20220426	04/26/2022 8:50	04/27/2022 13:25		

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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				04/28/2022 11:48
22041679-024A	UMW-308-WG-20220427	04/27/2022 8:50	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 3:17
22041679-024B	UMW-308-WG-20220427	04/27/2022 8:50	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 21:29
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:29
22041679-024C	UMW-308-WG-20220427	04/27/2022 8:50	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:34
22041679-024D	UMW-308-WG-20220427	04/27/2022 8:50	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 13:01
22041679-025A	DUP 001-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 13:39
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 16:09
22041679-025B	DUP 001-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:37	04/29/2022 21:33
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:32
22041679-025C	DUP 001-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:38
22041679-025D	DUP 001-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 13:26
22041679-026A	DUP 002-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 4:32
22041679-026B	DUP 002-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:40	04/29/2022 22:02
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:34
22041679-026C	DUP 002-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:43
22041679-026D	DUP 002-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 13:50
22041679-027A	DUP 003-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 5:10
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 16:46
22041679-027B	DUP 003-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:40	04/29/2022 22:06
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:36

Client: ERM **Work Order:** 22041679

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22041679-027C	DUP 003-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 15:09
22041679-027D	DUP 003-WG-20220427	04/27/2022 0:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 14:14
22041679-028A	EB-01-WQ-20220425	04/25/2022 13:05	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			04/28/2022 20:29	05/03/2022 19:45
22041679-028B	EB-01-WQ-20220425	04/25/2022 13:05	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:40	04/29/2022 22:10
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:43
22041679-028C	EB-01-WQ-20220425	04/25/2022 13:05	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:52
22041679-028D	EB-01-WQ-20220425	04/25/2022 13:05	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 14:38
22041679-029A	TB-01-WQ-20220425	04/27/2022 13:25	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 15:03
22041679-030A	EB-02-WQ-20220427	04/27/2022 8:00	04/27/2022 13:25		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/02/2022 18:29	05/04/2022 13:02
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/06/2022 17:50	05/09/2022 10:35
22041679-030B	EB-02-WQ-20220427	04/27/2022 8:00	04/27/2022 13:25		
	SW-846 3005A, 6010B, Metals by ICP (Total)			04/28/2022 7:40	04/29/2022 22:13
	SW-846 7470A (Total)			04/28/2022 8:01	05/02/2022 17:45
22041679-030C	EB-02-WQ-20220427	04/27/2022 8:00	04/27/2022 13:25		
	SW-846 9012A (Total)			04/29/2022 16:03	05/02/2022 14:56
22041679-030D	EB-02-WQ-20220427	04/27/2022 8:00	04/27/2022 13:25		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				04/28/2022 15:27

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

SW-846 9012A (TOTAL)

Batch 191213 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220429 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	05/02/2022

Batch 191213 **SampType:** LCS Units **mg/L**
SampID: LCS 220429 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.7	90	110	05/02/2022

Batch 191213 **SampType:** MS Units **mg/L**
SampID: 22041679-007CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.042**	0.0250	0.01911	93.2	75	125	05/02/2022

Batch 191213 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22041679-007CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.043**	0.0250	0.01911	93.8	0.04242	0.32	05/02/2022

Batch 191214 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220429 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	05/02/2022

Batch 191214 **SampType:** LCS Units **mg/L**
SampID: LCS 220429 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.1	90	110	05/02/2022

Batch 191214 **SampType:** MS Units **mg/L**
SampID: 22041679-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.034**	0.0250	0.008595	99.8	75	125	05/02/2022

Batch 191214 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22041679-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.033**	0.0250	0.008595	96.2	0.03356	2.76	05/02/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

SW-846 9012A (TOTAL)

Batch 191214 **SampType:** MS Units **mg/L**

SampID: 22041679-023CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.010		**0.072**	0.0250	0.04880	93.4	75	125	05/03/2022

Batch 191214 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22041679-023CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.010		**0.072**	0.0250	0.04880	93.0	0.07216	0.16	05/03/2022

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

Batch 191153 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191153

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/03/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/03/2022
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/03/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/03/2022
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/03/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/03/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/03/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191153 **SampType:** LCS Units **mg/L**

SampID: LCS-191153

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.526**	0.5000	0	105.2	85	115	05/03/2022
Barium		0.0025		**2.05**	2.000	0	102.5	85	115	05/03/2022
Barium		0.0025		**2.08**	2.000	0	104.0	85	115	05/03/2022
Cadmium		0.0020		**0.0503**	0.0500	0	100.6	85	115	05/03/2022
Cadmium		0.0020	B	**0.0528**	0.0500	0	105.6	85	115	05/03/2022
Chromium		0.0050		**0.199**	0.2000	0	99.7	85	115	05/03/2022
Chromium		0.0050		**0.199**	0.2000	0	99.3	85	115	05/03/2022
Lead		0.0150		**0.514**	0.5000	0	102.7	85	115	05/03/2022
Selenium		0.0400		**0.502**	0.5000	0	100.4	85	115	05/03/2022
Selenium		0.0400		**0.511**	0.5000	0	102.1	85	115	05/03/2022
Silver		0.0070		**0.0507**	0.0500	0	101.4	85	115	05/03/2022
Silver		0.0070		**0.0511**	0.0500	0	102.2	85	115	05/03/2022

Batch 191153 **SampType:** MS Units **mg/L**

SampID: 22041679-005BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.536**	0.5000	0	107.2	75	125	05/03/2022
Barium		0.0025		**2.09**	2.000	0.04740	102.3	75	125	05/03/2022
Cadmium		0.0020		**0.0501**	0.0500	0	100.2	75	125	05/03/2022
Chromium		0.0050		**0.197**	0.2000	0	98.7	75	125	05/03/2022
Lead		0.0150		**0.515**	0.5000	0	102.9	75	125	05/03/2022
Selenium		0.0400		**0.498**	0.5000	0	99.7	75	125	05/03/2022
Silver		0.0070		**0.0515**	0.0500	0	103.0	75	125	05/03/2022

Batch 191153 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22041679-005BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.534**	0.5000	0	106.7	0.5358	0.39	05/03/2022
Barium		0.0025		**2.07**	2.000	0.04740	101.2	2.093	1.06	05/03/2022
Cadmium		0.0020		**0.0496**	0.0500	0	99.2	0.05010	1.00	05/03/2022
Chromium		0.0050		**0.196**	0.2000	0	98.0	0.1973	0.66	05/03/2022
Lead		0.0150		**0.511**	0.5000	0	102.2	0.5146	0.74	05/03/2022
Selenium		0.0400		**0.508**	0.5000	0	101.5	0.4985	1.79	05/03/2022
Silver		0.0070		**0.0512**	0.0500	0	102.4	0.05150	0.58	05/03/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191155 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191155

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/29/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	04/29/2022
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	04/29/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	04/29/2022
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	04/29/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	04/29/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	04/29/2022

Batch 191155 **SampType:** LCS Units **mg/L**

SampID: LCS-191155

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.546**	0.5000	0	109.1	85	115	04/29/2022
Barium		0.0025		**2.06**	2.000	0	103.2	85	115	04/29/2022
Cadmium		0.0020		**0.0517**	0.0500	0	103.4	85	115	04/29/2022
Chromium		0.0050		**0.204**	0.2000	0	101.9	85	115	04/29/2022
Lead		0.0150		**0.515**	0.5000	0	103.1	85	115	04/29/2022
Selenium		0.0400		**0.518**	0.5000	0	103.7	85	115	04/29/2022
Silver		0.0070		**0.0517**	0.0500	0	103.4	85	115	04/29/2022

Batch 191155 **SampType:** MS Units **mg/L**

SampID: 22041679-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.539**	0.5000	0	107.9	75	125	04/29/2022
Barium		0.0025		**2.17**	2.000	0.1037	103.2	75	125	04/29/2022
Cadmium		0.0020		**0.0495**	0.0500	0	99.0	75	125	04/29/2022
Chromium		0.0050		**0.201**	0.2000	0	100.6	75	125	04/29/2022
Lead		0.0150		**0.492**	0.5000	0	98.5	75	125	04/29/2022
Selenium		0.0400		**0.506**	0.5000	0	101.1	75	125	04/29/2022
Silver		0.0070		**0.0518**	0.0500	0	103.6	75	125	04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191155 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22041679-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.6	0.5394	0.22	04/29/2022
Barium		0.0025		**2.15**	2.000	0.1037	102.4	2.167	0.74	04/29/2022
Cadmium		0.0020		**0.0493**	0.0500	0	98.6	0.04950	0.40	04/29/2022
Chromium		0.0050		**0.198**	0.2000	0	99.2	0.2011	1.40	04/29/2022
Lead		0.0150		**0.486**	0.5000	0	97.1	0.4923	1.37	04/29/2022
Selenium		0.0400		**0.500**	0.5000	0	100.1	0.5057	1.07	04/29/2022
Silver		0.0070		**0.0508**	0.0500	0	101.6	0.05180	1.95	04/29/2022

Batch 191155 **SampType:** MS Units **mg/L**

SampID: 22041679-023BMS

Analyses	Cert	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	04/29/2022
Barium		0.0025		**2.18**	2.000	0.1119	103.2	75	125	04/29/2022
Cadmium		0.0020		**0.0494**	0.0500	0	98.8	75	125	04/29/2022
Chromium		0.0050		**0.200**	0.2000	0	100.0	75	125	04/29/2022
Lead		0.0150		**0.492**	0.5000	0	98.4	75	125	04/29/2022
Selenium		0.0400		**0.512**	0.5000	0	102.3	75	125	04/29/2022
Silver		0.0070		**0.0520**	0.0500	0	104.0	75	125	04/29/2022

Batch 191155 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22041679-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.534**	0.5000	0	106.7	0.5409	1.38	04/29/2022
Barium		0.0025		**2.15**	2.000	0.1119	102.0	2.176	1.16	04/29/2022
Cadmium		0.0020		**0.0490**	0.0500	0	98.0	0.04940	0.81	04/29/2022
Chromium		0.0050		**0.199**	0.2000	0	99.4	0.1999	0.55	04/29/2022
Lead		0.0150		**0.486**	0.5000	0	97.2	0.4920	1.19	04/29/2022
Selenium		0.0400		**0.494**	0.5000	0	98.8	0.5116	3.50	04/29/2022
Silver		0.0070		**0.0513**	0.0500	0	102.6	0.05200	1.36	04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191156 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191156

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	04/29/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	04/29/2022
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	04/29/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	04/29/2022
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	04/29/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	04/29/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	04/29/2022

Batch 191156 **SampType:** LCS Units **mg/L**

SampID: LCS-191156

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.5	85	115	04/29/2022
Barium		0.0025		**2.11**	2.000	0	105.3	85	115	04/29/2022
Cadmium		0.0020		**0.0509**	0.0500	0	101.8	85	115	04/29/2022
Chromium		0.0050		**0.204**	0.2000	0	102.1	85	115	04/29/2022
Lead		0.0150		**0.506**	0.5000	0	101.2	85	115	04/29/2022
Selenium		0.0400		**0.509**	0.5000	0	101.7	85	115	04/29/2022
Silver		0.0070		**0.0526**	0.0500	0	105.2	85	115	04/29/2022

Batch 191156 **SampType:** MS Units **mg/L**

SampID: 22041679-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.551**	0.5000	0	110.2	75	125	04/29/2022
Barium		0.0025		**2.12**	2.000	0	106.2	75	125	04/29/2022
Cadmium		0.0020		**0.0511**	0.0500	0	102.2	75	125	04/29/2022
Chromium		0.0050		**0.206**	0.2000	0	103.2	75	125	04/29/2022
Lead		0.0150		**0.507**	0.5000	0	101.4	75	125	04/29/2022
Selenium		0.0400		**0.514**	0.5000	0	102.8	75	125	04/29/2022
Silver		0.0070		**0.0525**	0.0500	0	105.0	75	125	04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191156 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22041679-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.7	0.5510	2.29	04/29/2022
Barium		0.0025		**2.08**	2.000	0	103.8	2.125	2.28	04/29/2022
Cadmium		0.0020		**0.0501**	0.0500	0	100.2	0.05110	1.98	04/29/2022
Chromium		0.0050		**0.201**	0.2000	0	100.7	0.2064	2.50	04/29/2022
Lead		0.0150		**0.494**	0.5000	0	98.8	0.5069	2.56	04/29/2022
Selenium		0.0400		**0.509**	0.5000	0	101.8	0.5142	0.98	04/29/2022
Silver		0.0070		**0.0522**	0.0500	0	104.4	0.05250	0.57	04/29/2022

SW-846 7470A (TOTAL)

Batch 191159 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191159

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/02/2022

Batch 191159 **SampType:** LCS Units **mg/L**

SampID: LCS-191159

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00473**	0.0050	0	94.5	85	115	05/02/2022

Batch 191159 **SampType:** MS Units **mg/L**

SampID: 22041679-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00415**	0.0050	0	83.1	75	125	05/02/2022

Batch 191159 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22041679-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00427**	0.0050	0	85.3	0.004153	2.68	05/02/2022

Batch 191159 **SampType:** MS Units **mg/L**

SampID: 22041679-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00427**	0.0050	0	85.3	75	125	05/02/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

SW-846 7470A (TOTAL)

Batch 191159 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22041679-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00418**	0.0050	0	83.5	0.004265	2.08	05/02/2022

Batch 191160 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191160

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/02/2022

Batch 191160 **SampType:** LCS Units **mg/L**

SampID: LCS-191160

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00495**	0.0050	0	99.0	85	115	05/03/2022

Batch 191160 **SampType:** MS Units **mg/L**

SampID: 22041679-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00445**	0.0050	0	89.0	75	125	05/02/2022

Batch 191160 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22041679-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00444**	0.0050	0	88.7	0.004449	0.27	05/02/2022

Batch 191160 **SampType:** MS Units **mg/L**

SampID: 22041679-023BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00428**	0.0050	0	85.6	75	125	05/02/2022

Batch 191160 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22041679-023BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00425**	0.0050	0	84.9	0.004279	0.76	05/02/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191139 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191139

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						04/28/2022
Acenaphthylene		0.000100		**ND**						04/28/2022
Anthracene		0.000300		**ND**						04/28/2022
Benzo(a)anthracene		0.000100		**ND**						04/28/2022
Benzo(a)pyrene		0.000200		**ND**						04/28/2022
Benzo(b)fluoranthene		0.000100		**ND**						04/28/2022
Benzo(g,h,i)perylene		0.000200		**ND**						04/28/2022
Benzo(k)fluoranthene		0.000100		**ND**						04/28/2022
Chrysene		0.000100		**ND**						04/28/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						04/28/2022
Fluoranthene		0.000300		**ND**						04/28/2022
Fluorene		0.000200		**ND**						04/28/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						04/28/2022
Naphthalene		0.000400		**ND**						04/28/2022
Phenanthrene		0.000600		**ND**						04/28/2022
Pyrene		0.000200		**ND**						04/28/2022
Surr: 2-Fluorobiphenyl	*			**0.00101**	0.0010		100.9	46.8	109	04/28/2022
Surr: Nitrobenzene-d5	*			**0.000758**	0.0010		75.8	47.7	107	04/28/2022
Surr: p-Terphenyl-d14	*			**0.00113**	0.0010		112.8	45.9	137	04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191139 **SampType:** LCS Units **mg/L**

SampID: LCS-191139

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00202**	0.0020	0	100.9	54.7	110	04/28/2022
Acenaphthylene		0.000100		**0.00208**	0.0020	0	104.0	56.2	116	04/28/2022
Anthracene		0.000300		**0.00213**	0.0020	0	106.3	55.3	113	04/28/2022
Benzo(a)anthracene		0.000100		**0.00187**	0.0020	0	93.7	54.6	112	04/28/2022
Benzo(a)pyrene		0.000200		**0.00222**	0.0020	0	111.2	57.2	118	04/28/2022
Benzo(b)fluoranthene		0.000100		**0.00197**	0.0020	0	98.4	50.3	119	04/28/2022
Benzo(g,h,i)perylene		0.000200		**0.00219**	0.0020	0	109.6	59.3	122	04/28/2022
Benzo(k)fluoranthene		0.000100		**0.00218**	0.0020	0	108.9	58.8	114	04/28/2022
Chrysene		0.000100		**0.00214**	0.0020	0	106.8	58.9	113	04/28/2022
Dibenzo(a,h)anthracene		0.000200		**0.00228**	0.0020	0	113.8	50	134	04/28/2022
Fluoranthene		0.000300		**0.00219**	0.0020	0	109.3	61.2	114	04/28/2022
Fluorene		0.000200		**0.00191**	0.0020	0	95.5	61.6	110	04/28/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00241**	0.0020	0	120.3	54.3	128	04/28/2022
Naphthalene		0.000400		**0.00195**	0.0020	0	97.4	51.7	105	04/28/2022
Phenanthrene		0.000600		**0.00210**	0.0020	0	104.9	60.9	121	04/28/2022
Pyrene		0.000200		**0.00220**	0.0020	0	110.0	59.1	114	04/28/2022
Surr: 2-Fluorobiphenyl	*			**0.000895**	0.0010		89.5	46.8	109	04/28/2022
Surr: Nitrobenzene-d5	*			**0.000924**	0.0010		92.4	47.7	107	04/28/2022
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		109.7	45.9	137	04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch **191139** **SampType:** **LCSD** Units **mg/L** RPD Limit: **40**

SampID: LCSD-191139

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00200**	0.0020	0	100.1	0.002018	0.79	04/28/2022
Acenaphthylene		0.000100		**0.00204**	0.0020	0	101.8	0.002081	2.18	04/28/2022
Anthracene		0.000300		**0.00218**	0.0020	0	109.0	0.002126	2.56	04/28/2022
Benzo(a)anthracene		0.000100		**0.00176**	0.0020	0	88.1	0.001874	6.22	04/28/2022
Benzo(a)pyrene		0.000200		**0.00221**	0.0020	0	110.7	0.002223	0.46	04/28/2022
Benzo(b)fluoranthene		0.000100		**0.00187**	0.0020	0	93.3	0.001969	5.38	04/28/2022
Benzo(g,h,i)perylene		0.000200		**0.00209**	0.0020	0	104.6	0.002192	4.65	04/28/2022
Benzo(k)fluoranthene		0.000100		**0.00217**	0.0020	0	108.4	0.002179	0.48	04/28/2022
Chrysene		0.000100		**0.00208**	0.0020	0	104.2	0.002137	2.54	04/28/2022
Dibenzo(a,h)anthracene		0.000200		**0.00224**	0.0020	0	112.2	0.002277	1.42	04/28/2022
Fluoranthene		0.000300		**0.00222**	0.0020	0	111.0	0.002187	1.47	04/28/2022
Fluorene		0.000200		**0.00192**	0.0020	0	96.1	0.001910	0.63	04/28/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00231**	0.0020	0	115.6	0.002405	3.91	04/28/2022
Naphthalene		0.000400		**0.00188**	0.0020	0	94.2	0.001949	3.38	04/28/2022
Phenanthrene		0.000600		**0.00209**	0.0020	0	104.5	0.002098	0.37	04/28/2022
Pyrene		0.000200		**0.00222**	0.0020	0	110.9	0.002200	0.83	04/28/2022
Surr: 2-Fluorobiphenyl	*			**0.000873**	0.0010		87.3			04/28/2022
Surr: Nitrobenzene-d5	*			**0.000906**	0.0010		90.6			04/28/2022
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		105.7			04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191195 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191195

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						04/29/2022
Acenaphthylene		0.000100		**ND**						04/29/2022
Anthracene		0.000300		**ND**						04/29/2022
Benzo(a)anthracene		0.000100		**ND**						04/29/2022
Benzo(a)pyrene		0.000200		**ND**						04/29/2022
Benzo(b)fluoranthene		0.000100		**ND**						04/29/2022
Benzo(g,h,i)perylene		0.000200		**ND**						04/29/2022
Benzo(k)fluoranthene		0.000100		**ND**						04/29/2022
Chrysene		0.000100		**ND**						04/29/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						04/29/2022
Fluoranthene		0.000300		**ND**						04/29/2022
Fluorene		0.000200		**ND**						04/29/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						04/29/2022
Naphthalene		0.000400		**ND**						04/29/2022
Phenanthrene		0.000600		**ND**						04/29/2022
Pyrene		0.000200		**ND**						04/29/2022
Surr: 2-Fluorobiphenyl	*		S	**0.000449**	0.0010		44.9	46.8	109	04/29/2022
Surr: Nitrobenzene-d5	*			**0.000534**	0.0010		53.4	47.7	107	04/29/2022
Surr: p-Terphenyl-d14	*			**0.000698**	0.0010		69.8	45.9	137	04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191195 **SampType:** LCS Units **mg/L**

SampID: LCS-191195

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00200**	0.0020	0	100.0	54.7	110	04/29/2022
Acenaphthylene		0.000100		**0.00205**	0.0020	0	102.6	56.2	116	04/29/2022
Anthracene		0.000300		**0.00214**	0.0020	0	107.2	55.3	113	04/29/2022
Benzo(a)anthracene		0.000100		**0.00185**	0.0020	0	92.6	54.6	112	04/29/2022
Benzo(a)pyrene		0.000200	S	**0.00236**	0.0020	0	118.1	57.2	118	04/29/2022
Benzo(b)fluoranthene		0.000100		**0.00199**	0.0020	0	99.3	50.3	119	04/29/2022
Benzo(g,h,i)perylene		0.000200		**0.00222**	0.0020	0	110.8	59.3	122	04/29/2022
Benzo(k)fluoranthene		0.000100		**0.00223**	0.0020	0	111.6	58.8	114	04/29/2022
Chrysene		0.000100		**0.00226**	0.0020	0	113.0	58.9	113	04/29/2022
Dibenzo(a,h)anthracene		0.000200		**0.00244**	0.0020	0	122.0	50	134	04/29/2022
Fluoranthene		0.000300		**0.00221**	0.0020	0	110.7	61.2	114	04/29/2022
Fluorene		0.000200		**0.00189**	0.0020	0	94.3	61.6	110	04/29/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00246**	0.0020	0	123.1	54.3	128	04/29/2022
Naphthalene		0.000400		**0.00193**	0.0020	0	96.3	51.7	105	04/29/2022
Phenanthrene		0.000600		**0.00208**	0.0020	0	103.8	60.9	121	04/29/2022
Pyrene		0.000200		**0.00218**	0.0020	0	109.2	59.1	114	04/29/2022
Surr: 2-Fluorobiphenyl	*			**0.000863**	0.0010		86.3	46.8	109	04/29/2022
Surr: Nitrobenzene-d5	*			**0.000902**	0.0010		90.2	47.7	107	04/29/2022
Surr: p-Terphenyl-d14	*			**0.00116**	0.0010		115.8	45.9	137	04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191195 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-191195

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00192**	0.0020	0	95.9	0.002000	4.20	04/29/2022
Acenaphthylene		0.000100		**0.00194**	0.0020	0	97.0	0.002053	5.70	04/29/2022
Anthracene		0.000300		**0.00203**	0.0020	0	101.6	0.002143	5.35	04/29/2022
Benzo(a)anthracene		0.000100		**0.00177**	0.0020	0	88.5	0.001853	4.58	04/29/2022
Benzo(a)pyrene		0.000200		**0.00221**	0.0020	0	110.3	0.002362	6.86	04/29/2022
Benzo(b)fluoranthene		0.000100		**0.00186**	0.0020	0	93.1	0.001986	6.51	04/29/2022
Benzo(g,h,i)perylene		0.000200		**0.00214**	0.0020	0	106.8	0.002216	3.69	04/29/2022
Benzo(k)fluoranthene		0.000100		**0.00208**	0.0020	0	104.2	0.002232	6.83	04/29/2022
Chrysene		0.000100		**0.00201**	0.0020	0	100.7	0.002259	11.46	04/29/2022
Dibenzo(a,h)anthracene		0.000200		**0.00229**	0.0020	0	114.3	0.002440	6.54	04/29/2022
Fluoranthene		0.000300		**0.00211**	0.0020	0	105.7	0.002214	4.57	04/29/2022
Fluorene		0.000200		**0.00206**	0.0020	0	102.8	0.001887	8.54	04/29/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00230**	0.0020	0	115.2	0.002462	6.66	04/29/2022
Naphthalene		0.000400		**0.00182**	0.0020	0	90.8	0.001926	5.91	04/29/2022
Phenanthrene		0.000600		**0.00200**	0.0020	0	99.9	0.002077	3.85	04/29/2022
Pyrene		0.000200		**0.00205**	0.0020	0	102.6	0.002183	6.22	04/29/2022
Surr: 2-Fluorobiphenyl	*			**0.000812**	0.0010		81.2			04/29/2022
Surr: Nitrobenzene-d5	*			**0.000761**	0.0010		76.1			04/29/2022
Surr: p-Terphenyl-d14	*			**0.00104**	0.0010		104.3			04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191195 **SampType:** MS Units **mg/L**

SampID: 22041679-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00195**	0.0020	0	97.4	28.3	133	05/02/2022
Acenaphthylene		0.000100		**0.00192**	0.0020	0	96.1	5	176	05/02/2022
Anthracene		0.000300		**0.00198**	0.0020	0	99.1	34.6	131	05/02/2022
Benzo(a)anthracene		0.000100		**0.00164**	0.0020	0	81.9	40.3	132	05/02/2022
Benzo(a)pyrene		0.000200		**0.00202**	0.0020	0	101.2	40.8	132	05/02/2022
Benzo(b)fluoranthene		0.000100		**0.00163**	0.0020	0	81.4	41.9	132	05/02/2022
Benzo(g,h,i)perylene		0.000200		**0.00242**	0.0020	0	121.0	46	132	05/02/2022
Benzo(k)fluoranthene		0.000100		**0.00201**	0.0020	0	100.5	49.4	126	05/02/2022
Chrysene		0.000100		**0.00190**	0.0020	0	94.9	46.1	129	05/02/2022
Dibenzo(a,h)anthracene		0.000200		**0.00244**	0.0020	0	121.9	42.1	146	05/02/2022
Fluoranthene		0.000300		**0.00188**	0.0020	0	94.2	23.9	164	05/02/2022
Fluorene		0.000200		**0.00165**	0.0020	0	82.4	24.3	148	05/02/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00238**	0.0020	0	118.8	26.6	157	05/02/2022
Naphthalene		0.000400		**0.00174**	0.0020	0	86.8	24.2	132	05/02/2022
Phenanthrene		0.000600		**0.00192**	0.0020	0	95.9	36.6	139	05/02/2022
Pyrene		0.000200		**0.00164**	0.0020	0	82.0	14.6	169	05/02/2022
Surr: 2-Fluorobiphenyl	*			**0.000868**	0.0010		86.8	21.4	142	05/02/2022
Surr: Nitrobenzene-d5	*			**0.000938**	0.0010		93.8	15	163	05/02/2022
Surr: p-Terphenyl-d14	*			**0.000803**	0.0010		80.3	10	173	05/02/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch **191195** **SampType:** **MSD** Units **mg/L** RPD Limit: **40**

SampID: 22041679-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00177**	0.0020	0	88.4	0.001947	9.68	05/02/2022
Acenaphthylene		0.000100		**0.00176**	0.0020	0	87.8	0.001922	8.97	05/02/2022
Anthracene		0.000300		**0.00192**	0.0020	0	96.1	0.001981	3.03	05/02/2022
Benzo(a)anthracene		0.000100		**0.00163**	0.0020	0	81.3	0.001638	0.73	05/02/2022
Benzo(a)pyrene		0.000200		**0.00194**	0.0020	0	96.8	0.002025	4.51	05/02/2022
Benzo(b)fluoranthene		0.000100		**0.00162**	0.0020	0	81.0	0.001627	0.48	05/02/2022
Benzo(g,h,i)perylene		0.000200		**0.00231**	0.0020	0	115.6	0.002420	4.55	05/02/2022
Benzo(k)fluoranthene		0.000100		**0.00181**	0.0020	0	90.6	0.002010	10.37	05/02/2022
Chrysene		0.000100		**0.00180**	0.0020	0	89.8	0.001898	5.58	05/02/2022
Dibenzo(a,h)anthracene		0.000200		**0.00228**	0.0020	0	113.8	0.002438	6.90	05/02/2022
Fluoranthene		0.000300		**0.00176**	0.0020	0	88.1	0.001885	6.79	05/02/2022
Fluorene		0.000200		**0.00171**	0.0020	0	85.7	0.001647	3.95	05/02/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00245**	0.0020	0	122.5	0.002377	3.07	05/02/2022
Naphthalene		0.000400		**0.00169**	0.0020	0	84.4	0.001737	2.80	05/02/2022
Phenanthrene		0.000600		**0.00180**	0.0020	0	89.8	0.001918	6.55	05/02/2022
Pyrene		0.000200		**0.00180**	0.0020	0	89.9	0.001639	9.25	05/02/2022
Surr: 2-Fluorobiphenyl	*			**0.000702**	0.0010		70.2			05/02/2022
Surr: Nitrobenzene-d5	*			**0.000860**	0.0010		86.0			05/02/2022
Surr: p-Terphenyl-d14	*			**0.000903**	0.0010		90.3			05/02/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191287 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191287

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/03/2022
Acenaphthylene		0.000100		**ND**						05/03/2022
Anthracene		0.000300		**ND**						05/03/2022
Benzo(a)anthracene		0.000100		**ND**						05/03/2022
Benzo(a)pyrene		0.000200		**ND**						05/03/2022
Benzo(b)fluoranthene		0.000100		**ND**						05/03/2022
Benzo(g,h,i)perylene		0.000200		**ND**						05/03/2022
Benzo(k)fluoranthene		0.000100		**ND**						05/03/2022
Chrysene		0.000100		**ND**						05/03/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						05/03/2022
Fluoranthene		0.000300		**ND**						05/03/2022
Fluorene		0.000200		**ND**						05/03/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/03/2022
Naphthalene		0.000400		**ND**						05/03/2022
Phenanthrene		0.000600		**ND**						05/03/2022
Pyrene		0.000200		**ND**						05/03/2022
Surr: 2-Fluorobiphenyl	*			**0.000898**	0.0010		89.8	46.8	109	05/03/2022
Surr: Nitrobenzene-d5	*			**0.000813**	0.0010		81.3	47.7	107	05/03/2022
Surr: p-Terphenyl-d14	*			**0.000924**	0.0010		92.4	45.9	137	05/03/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191287 **SampType:** LCS Units **mg/L**

SampID: LCS-191287

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00189**	0.0020	0	94.6	54.7	110	05/03/2022
Acenaphthylene		0.000100		**0.00190**	0.0020	0	95.0	56.2	116	05/03/2022
Anthracene		0.000300		**0.00194**	0.0020	0	97.0	55.3	113	05/03/2022
Benzo(a)anthracene		0.000100		**0.00187**	0.0020	0	93.3	54.6	112	05/03/2022
Benzo(a)pyrene		0.000200		**0.00196**	0.0020	0	98.0	57.2	118	05/03/2022
Benzo(b)fluoranthene		0.000100		**0.00197**	0.0020	0	98.4	50.3	119	05/03/2022
Benzo(g,h,i)perylene		0.000200		**0.00211**	0.0020	0	105.4	59.3	122	05/03/2022
Benzo(k)fluoranthene		0.000100		**0.00217**	0.0020	0	108.6	58.8	114	05/03/2022
Chrysene		0.000100		**0.00191**	0.0020	0	95.4	58.9	113	05/03/2022
Dibenzo(a,h)anthracene		0.000200		**0.00232**	0.0020	0	116.0	50	134	05/03/2022
Fluoranthene		0.000300		**0.00197**	0.0020	0	98.4	61.2	114	05/03/2022
Fluorene		0.000200		**0.00198**	0.0020	0	99.2	61.6	110	05/03/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00227**	0.0020	0	113.5	54.3	128	05/03/2022
Naphthalene		0.000400		**0.00205**	0.0020	0	102.3	51.7	105	05/03/2022
Phenanthrene		0.000600		**0.00203**	0.0020	0	101.4	60.9	121	05/03/2022
Pyrene		0.000200		**0.00203**	0.0020	0	101.5	59.1	114	05/03/2022
Surr: 2-Fluorobiphenyl	*			**0.00108**	0.0010		108.0	46.8	109	05/03/2022
Surr: Nitrobenzene-d5	*			**0.000898**	0.0010		89.8	47.7	107	05/03/2022
Surr: p-Terphenyl-d14	*			**0.000996**	0.0010		99.6	45.9	137	05/03/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191287 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-191287

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00183**	0.0020	0	91.6	0.001893	3.29	05/03/2022
Acenaphthylene		0.000100		**0.00185**	0.0020	0	92.3	0.001899	2.82	05/03/2022
Anthracene		0.000300		**0.00183**	0.0020	0	91.4	0.001940	5.97	05/03/2022
Benzo(a)anthracene		0.000100		**0.00173**	0.0020	0	86.4	0.001866	7.66	05/03/2022
Benzo(a)pyrene		0.000200		**0.00210**	0.0020	0	104.8	0.001960	6.71	05/03/2022
Benzo(b)fluoranthene		0.000100		**0.00185**	0.0020	0	92.7	0.001967	5.95	05/03/2022
Benzo(g,h,i)perylene		0.000200		**0.00207**	0.0020	0	103.5	0.002107	1.76	05/03/2022
Benzo(k)fluoranthene		0.000100		**0.00195**	0.0020	0	97.5	0.002172	10.84	05/03/2022
Chrysene		0.000100		**0.00185**	0.0020	0	92.5	0.001908	3.11	05/03/2022
Dibenzo(a,h)anthracene		0.000200		**0.00231**	0.0020	0	115.3	0.002320	0.63	05/03/2022
Fluoranthene		0.000300		**0.00182**	0.0020	0	91.1	0.001968	7.67	05/03/2022
Fluorene		0.000200		**0.00187**	0.0020	0	93.4	0.001985	6.03	05/03/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00226**	0.0020	0	113.1	0.002271	0.41	05/03/2022
Naphthalene		0.000400		**0.00174**	0.0020	0	86.9	0.002046	16.25	05/03/2022
Phenanthrene		0.000600		**0.00194**	0.0020	0	96.8	0.002027	4.61	05/03/2022
Pyrene		0.000200		**0.00182**	0.0020	0	90.9	0.002031	11.02	05/03/2022
Surr: 2-Fluorobiphenyl	*			**0.000835**	0.0010		83.5			05/03/2022
Surr: Nitrobenzene-d5	*			**0.000896**	0.0010		89.6			05/03/2022
Surr: p-Terphenyl-d14	*			**0.000923**	0.0010		92.3			05/03/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191287 **SampType:** MS Units **mg/L**

SampID: 22041679-023AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00145**	0.0020	0	72.4	28.3	133	05/04/2022
Acenaphthylene		0.000100		**0.00147**	0.0020	0	73.4	5	176	05/04/2022
Anthracene		0.000300		**0.00164**	0.0020	0	81.8	34.6	131	05/04/2022
Benzo(a)anthracene		0.000100		**0.00147**	0.0020	0	73.4	40.3	132	05/04/2022
Benzo(a)pyrene		0.000200		**0.00158**	0.0020	0	79.2	40.8	132	05/04/2022
Benzo(b)fluoranthene		0.000100		**0.00156**	0.0020	0	78.0	41.9	132	05/04/2022
Benzo(g,h,i)perylene		0.000200		**0.00183**	0.0020	0	91.5	46	132	05/04/2022
Benzo(k)fluoranthene		0.000100		**0.00181**	0.0020	0	90.6	49.4	126	05/04/2022
Chrysene		0.000100		**0.00168**	0.0020	0	83.9	46.1	129	05/04/2022
Dibenzo(a,h)anthracene		0.000200		**0.00173**	0.0020	0	86.6	42.1	146	05/04/2022
Fluoranthene		0.000300		**0.00157**	0.0020	0	78.7	23.9	164	05/04/2022
Fluorene		0.000200		**0.00146**	0.0020	0	73.0	24.3	148	05/04/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00189**	0.0020	0	94.4	26.6	157	05/04/2022
Naphthalene		0.000400		**0.00140**	0.0020	0	69.9	24.2	132	05/04/2022
Phenanthrene		0.000600		**0.00158**	0.0020	0	79.2	36.6	139	05/04/2022
Pyrene		0.000200		**0.00158**	0.0020	0	79.1	14.6	169	05/04/2022
Surr: 2-Fluorobiphenyl	*			**0.000654**	0.0010		65.4	21.4	142	05/04/2022
Surr: Nitrobenzene-d5	*			**0.000698**	0.0010		69.8	15	163	05/04/2022
Surr: p-Terphenyl-d14	*			**0.000816**	0.0010		81.6	10	173	05/04/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191287 **SampType:** MSD Units **mg/L** RPD Limit: **40**

SampID: 22041679-023AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00186**	0.0020	0	92.8	0.001448	24.70	05/04/2022
Acenaphthylene		0.000100		**0.00195**	0.0020	0	97.4	0.001469	28.06	05/04/2022
Anthracene		0.000300		**0.00200**	0.0020	0	100.2	0.001636	20.18	05/04/2022
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.4	0.001467	14.00	05/04/2022
Benzo(a)pyrene		0.000200		**0.00183**	0.0020	0	91.3	0.001584	14.13	05/04/2022
Benzo(b)fluoranthene		0.000100		**0.00177**	0.0020	0	88.6	0.001560	12.71	05/04/2022
Benzo(g,h,i)perylene		0.000200		**0.00222**	0.0020	0	111.2	0.001830	19.42	05/04/2022
Benzo(k)fluoranthene		0.000100		**0.00202**	0.0020	0	100.9	0.001812	10.75	05/04/2022
Chrysene		0.000100		**0.00194**	0.0020	0	96.9	0.001677	14.45	05/04/2022
Dibenzo(a,h)anthracene		0.000200		**0.00215**	0.0020	0	107.6	0.001733	21.64	05/04/2022
Fluoranthene		0.000300		**0.00185**	0.0020	0	92.5	0.001573	16.15	05/04/2022
Fluorene		0.000200		**0.00190**	0.0020	0	95.0	0.001459	26.22	05/04/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00214**	0.0020	0	107.0	0.001888	12.55	05/04/2022
Naphthalene		0.000400		**0.00182**	0.0020	0	91.1	0.001398	26.35	05/04/2022
Phenanthrene		0.000600		**0.00189**	0.0020	0	94.4	0.001583	17.52	05/04/2022
Pyrene		0.000200		**0.00187**	0.0020	0	93.6	0.001582	16.78	05/04/2022
Surr: 2-Fluorobiphenyl	*			**0.000870**	0.0010		87.0			05/04/2022
Surr: Nitrobenzene-d5	*			**0.000949**	0.0010		94.9			05/04/2022
Surr: p-Terphenyl-d14	*			**0.000899**	0.0010		89.9			05/04/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191320 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191320

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/04/2022
Acenaphthylene		0.000100		**ND**						05/04/2022
Anthracene		0.000300		**ND**						05/04/2022
Benzo(a)anthracene		0.000100		**ND**						05/04/2022
Benzo(a)pyrene		0.000200		**ND**						05/04/2022
Benzo(b)fluoranthene		0.000100		**ND**						05/04/2022
Benzo(g,h,i)perylene		0.000200		**ND**						05/04/2022
Benzo(k)fluoranthene		0.000100		**ND**						05/04/2022
Chrysene		0.000100		**ND**						05/04/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						05/04/2022
Fluoranthene		0.000300		**ND**						05/04/2022
Fluorene		0.000200		**ND**						05/04/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/04/2022
Naphthalene		0.000400		**ND**						05/04/2022
Phenanthrene		0.000600		**ND**						05/04/2022
Pyrene		0.000200		**ND**						05/04/2022
Surr: 2-Fluorobiphenyl	*			**0.00104**	0.0010		104.2	46.8	109	05/04/2022
Surr: Nitrobenzene-d5	*			**0.000968**	0.0010		96.8	47.7	107	05/04/2022
Surr: p-Terphenyl-d14	*			**0.00131**	0.0010		130.6	45.9	137	05/04/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191320 **SampType:** LCS Units **mg/L**

SampID: LCS-191320

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00181**	0.0020	0	90.6	54.7	110	05/05/2022
Acenaphthylene		0.000100		**0.00181**	0.0020	0	90.4	56.2	116	05/05/2022
Anthracene		0.000300		**0.00198**	0.0020	0	98.9	55.3	113	05/05/2022
Benzo(a)anthracene		0.000100		**0.00167**	0.0020	0	83.6	54.6	112	05/05/2022
Benzo(a)pyrene		0.000200		**0.00196**	0.0020	0	98.1	57.2	118	05/05/2022
Benzo(b)fluoranthene		0.000100		**0.00161**	0.0020	0	80.6	50.3	119	05/05/2022
Benzo(g,h,i)perylene		0.000200		**0.00218**	0.0020	0	108.8	59.3	122	05/05/2022
Benzo(k)fluoranthene		0.000100		**0.00213**	0.0020	0	106.4	58.8	114	05/05/2022
Chrysene		0.000100		**0.00201**	0.0020	0	100.7	58.9	113	05/05/2022
Dibenzo(a,h)anthracene		0.000200		**0.00202**	0.0020	0	101.0	50	134	05/05/2022
Fluoranthene		0.000300		**0.00194**	0.0020	0	97.0	61.2	114	05/05/2022
Fluorene		0.000200		**0.00192**	0.0020	0	96.2	61.6	110	05/05/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00211**	0.0020	0	105.5	54.3	128	05/05/2022
Naphthalene		0.000400		**0.00174**	0.0020	0	87.0	51.7	105	05/05/2022
Phenanthrene		0.000600		**0.00198**	0.0020	0	99.0	60.9	121	05/05/2022
Pyrene		0.000200		**0.00197**	0.0020	0	98.7	59.1	114	05/05/2022
Surr: 2-Fluorobiphenyl	*			**0.000881**	0.0010		88.1	46.8	109	05/05/2022
Surr: Nitrobenzene-d5	*			**0.000870**	0.0010		87.0	47.7	107	05/05/2022
Surr: p-Terphenyl-d14	*			**0.000985**	0.0010		98.5	45.9	137	05/05/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191320 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-191320

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00189**	0.0020	0	94.6	0.001811	4.39	05/05/2022
Acenaphthylene		0.000100		**0.00188**	0.0020	0	93.8	0.001807	3.73	05/05/2022
Anthracene		0.000300		**0.00203**	0.0020	0	101.4	0.001978	2.46	05/05/2022
Benzo(a)anthracene		0.000100		**0.00166**	0.0020	0	83.0	0.001672	0.71	05/05/2022
Benzo(a)pyrene		0.000200		**0.00199**	0.0020	0	99.4	0.001962	1.26	05/05/2022
Benzo(b)fluoranthene		0.000100		**0.00172**	0.0020	0	85.9	0.001612	6.37	05/05/2022
Benzo(g,h,i)perylene		0.000200		**0.00215**	0.0020	0	107.5	0.002176	1.18	05/05/2022
Benzo(k)fluoranthene		0.000100		**0.00219**	0.0020	0	109.4	0.002128	2.72	05/05/2022
Chrysene		0.000100		**0.00203**	0.0020	0	101.7	0.002014	1.01	05/05/2022
Dibenzo(a,h)anthracene		0.000200		**0.00209**	0.0020	0	104.3	0.002019	3.22	05/05/2022
Fluoranthene		0.000300		**0.00202**	0.0020	0	101.2	0.001940	4.23	05/05/2022
Fluorene		0.000200		**0.00194**	0.0020	0	97.1	0.001924	0.95	05/05/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00221**	0.0020	0	110.7	0.002110	4.85	05/05/2022
Naphthalene		0.000400		**0.00178**	0.0020	0	88.9	0.001741	2.12	05/05/2022
Phenanthrene		0.000600		**0.00202**	0.0020	0	100.9	0.001979	1.94	05/05/2022
Pyrene		0.000200		**0.00207**	0.0020	0	103.5	0.001974	4.78	05/05/2022
Surr: 2-Fluorobiphenyl	*			**0.000917**	0.0010		91.7			05/05/2022
Surr: Nitrobenzene-d5	*			**0.000831**	0.0010		83.1			05/05/2022
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		110.2			05/05/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191459 **SampType:** MBLK Units **mg/L**

SampID: MBLK-191459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/09/2022
Acenaphthylene		0.000100		**ND**						05/09/2022
Anthracene		0.000300		**ND**						05/09/2022
Benzo(a)anthracene		0.000100		**ND**						05/09/2022
Benzo(a)pyrene		0.000200		**ND**						05/09/2022
Benzo(b)fluoranthene		0.000100		**ND**						05/09/2022
Benzo(g,h,i)perylene		0.000200		**ND**						05/09/2022
Benzo(k)fluoranthene		0.000100		**ND**						05/09/2022
Chrysene		0.000100		**ND**						05/09/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						05/09/2022
Fluoranthene		0.000300		**ND**						05/09/2022
Fluorene		0.000200		**ND**						05/09/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/09/2022
Naphthalene		0.000400		**ND**						05/09/2022
Phenanthrene		0.000600		**ND**						05/09/2022
Pyrene		0.000200		**ND**						05/09/2022
Surr: 2-Fluorobiphenyl	*			**0.000966**	0.0010		96.6	46.8	109	05/09/2022
Surr: Nitrobenzene-d5	*			**0.000800**	0.0010		80.0	47.7	107	05/09/2022
Surr: p-Terphenyl-d14	*			**0.00107**	0.0010		107.2	45.9	137	05/09/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191459 **SampType:** LCS Units **mg/L**

SampID: LCS-191459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00178**	0.0020	0	88.8	54.7	110	05/09/2022
Acenaphthylene		0.000100		**0.00175**	0.0020	0	87.6	56.2	116	05/09/2022
Anthracene		0.000300		**0.00189**	0.0020	0	94.4	55.3	113	05/09/2022
Benzo(a)anthracene		0.000100		**0.00164**	0.0020	0	81.9	54.6	112	05/09/2022
Benzo(a)pyrene		0.000200		**0.00187**	0.0020	0	93.6	57.2	118	05/09/2022
Benzo(b)fluoranthene		0.000100		**0.00159**	0.0020	0	79.7	50.3	119	05/09/2022
Benzo(g,h,i)perylene		0.000200		**0.00207**	0.0020	0	103.6	59.3	122	05/09/2022
Benzo(k)fluoranthene		0.000100		**0.00196**	0.0020	0	97.9	58.8	114	05/09/2022
Chrysene		0.000100		**0.00191**	0.0020	0	95.6	58.9	113	05/09/2022
Dibenzo(a,h)anthracene		0.000200		**0.00213**	0.0020	0	106.6	50	134	05/09/2022
Fluoranthene		0.000300		**0.00193**	0.0020	0	96.5	61.2	114	05/09/2022
Fluorene		0.000200		**0.00188**	0.0020	0	94.0	61.6	110	05/09/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00212**	0.0020	0	105.8	54.3	128	05/09/2022
Naphthalene		0.000400		**0.00172**	0.0020	0	85.8	51.7	105	05/09/2022
Phenanthrene		0.000600		**0.00190**	0.0020	0	94.8	60.9	121	05/09/2022
Pyrene		0.000200		**0.00199**	0.0020	0	99.4	59.1	114	05/09/2022
Surr: 2-Fluorobiphenyl	*			**0.000881**	0.0010		88.1	46.8	109	05/09/2022
Surr: Nitrobenzene-d5	*			**0.000774**	0.0010		77.4	47.7	107	05/09/2022
Surr: p-Terphenyl-d14	*			**0.000918**	0.0010		91.8	45.9	137	05/09/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191459 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-191459

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00189**	0.0020	0	94.5	0.001776	6.22	05/09/2022
Acenaphthylene		0.000100		**0.00189**	0.0020	0	94.7	0.001751	7.83	05/09/2022
Anthracene		0.000300		**0.00205**	0.0020	0	102.3	0.001887	8.10	05/09/2022
Benzo(a)anthracene		0.000100		**0.00168**	0.0020	0	84.2	0.001637	2.85	05/09/2022
Benzo(a)pyrene		0.000200		**0.00192**	0.0020	0	96.2	0.001872	2.70	05/09/2022
Benzo(b)fluoranthene		0.000100		**0.00166**	0.0020	0	83.2	0.001594	4.31	05/09/2022
Benzo(g,h,i)perylene		0.000200		**0.00214**	0.0020	0	107.0	0.002073	3.23	05/09/2022
Benzo(k)fluoranthene		0.000100		**0.00200**	0.0020	0	100.2	0.001958	2.29	05/09/2022
Chrysene		0.000100		**0.00193**	0.0020	0	96.5	0.001912	0.92	05/09/2022
Dibenzo(a,h)anthracene		0.000200		**0.00224**	0.0020	0	112.0	0.002131	4.96	05/09/2022
Fluoranthene		0.000300		**0.00197**	0.0020	0	98.5	0.001931	1.96	05/09/2022
Fluorene		0.000200		**0.00203**	0.0020	0	101.6	0.001881	7.73	05/09/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00223**	0.0020	0	111.3	0.002116	5.04	05/09/2022
Naphthalene		0.000400		**0.00181**	0.0020	0	90.5	0.001717	5.33	05/09/2022
Phenanthrene		0.000600		**0.00202**	0.0020	0	101.1	0.001896	6.41	05/09/2022
Pyrene		0.000200		**0.00204**	0.0020	0	101.8	0.001988	2.44	05/09/2022
Surr: 2-Fluorobiphenyl	*			**0.000970**	0.0010		97.0			05/09/2022
Surr: Nitrobenzene-d5	*			**0.000786**	0.0010		78.6			05/09/2022
Surr: p-Terphenyl-d14	*			**0.000948**	0.0010		94.8			05/09/2022

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

Batch 191178 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AM220428A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/28/2022
Ethylbenzene	*	2.0		**ND**						04/28/2022
Toluene	*	2.0		**ND**						04/28/2022
Xylenes, Total	*	4.0		**ND**						04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**48.4**	50.00		96.8	80	120	04/28/2022
Surr: 4-Bromofluorobenzene	*			**48.3**	50.00		96.6	80	120	04/28/2022
Surr: Dibromofluoromethane	*			**53.1**	50.00		106.3	80	120	04/28/2022
Surr: Toluene-d8	*			**46.0**	50.00		91.9	80	120	04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191178 **SampType:** LCS Units µg/L

SampID: LCS-AM220428A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**51.0**	50.00	0	101.9	78.5	119	04/28/2022
Ethylbenzene	*	2.0		**47.3**	50.00	0	94.6	78.2	114	04/28/2022
Toluene	*	2.0		**46.4**	50.00	0	92.8	78.6	112	04/28/2022
Xylenes, Total	*	4.0		**141**	150.0	0	94.1	78.3	114	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**49.6**	50.00		99.3	80	120	04/28/2022
Surr: 4-Bromofluorobenzene	*			**48.3**	50.00		96.6	80	120	04/28/2022
Surr: Dibromofluoromethane	*			**52.5**	50.00		105.1	80	120	04/28/2022
Surr: Toluene-d8	*			**47.2**	50.00		94.4	80	120	04/28/2022

Batch 191178 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AM220428A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**48.8**	50.00	0	97.5	50.96	4.39	04/28/2022
Ethylbenzene	*	2.0		**44.9**	50.00	0	89.7	47.31	5.29	04/28/2022
Toluene	*	2.0		**44.0**	50.00	0	88.0	46.40	5.36	04/28/2022
Xylenes, Total	*	4.0		**134**	150.0	0	89.3	141.1	5.23	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**49.3**	50.00		98.5			04/28/2022
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.8			04/28/2022
Surr: Dibromofluoromethane	*			**52.5**	50.00		105.0			04/28/2022
Surr: Toluene-d8	*			**46.8**	50.00		93.6			04/28/2022

Batch 191178 **SampType:** MS Units µg/L

SampID: 22041679-023dMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**55.1**	50.00	0.1600	109.8	72	120	04/28/2022
Ethylbenzene		2.0		**47.9**	50.00	0	95.7	74.8	115	04/28/2022
Toluene		2.0		**48.1**	50.00	0	96.2	70.6	109	04/28/2022
Xylenes, Total		4.0		**96.3**	100.0	0	96.3	72.1	113	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.2	80	120	04/28/2022
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2	80	120	04/28/2022
Surr: Dibromofluoromethane	*			**52.9**	50.00		105.9	80	120	04/28/2022
Surr: Toluene-d8	*			**45.5**	50.00		91.0	80	120	04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191178 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 22041679-023dMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.8**	50.00	0.1600	99.3	55.06	10.01	04/28/2022
Ethylbenzene		2.0		**43.7**	50.00	0	87.3	47.86	9.18	04/28/2022
Toluene		2.0		**43.8**	50.00	0	87.7	48.10	9.24	04/28/2022
Xylenes, Total		4.0		**87.5**	100.0	0	87.5	96.26	9.57	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.2			04/28/2022
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.9			04/28/2022
Surr: Dibromofluoromethane	*			**53.2**	50.00		106.3			04/28/2022
Surr: Toluene-d8	*			**45.5**	50.00		91.1			04/28/2022

Batch 191209 **SampType:** MBLK Units µg/L

SampID: MBLK-AK220428A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/28/2022
Ethylbenzene	*	2.0		**ND**						04/28/2022
Toluene	*	2.0		**ND**						04/28/2022
Xylenes, Total	*	4.0		**ND**						04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.2	80	120	04/28/2022
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.5	80	120	04/28/2022
Surr: Dibromofluoromethane	*			**50.9**	50.00		101.8	80	120	04/28/2022
Surr: Toluene-d8	*			**49.1**	50.00		98.3	80	120	04/28/2022

Batch 191209 **SampType:** LCS Units µg/L

SampID: LCS-AK220428A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.7**	50.00	0	95.4	78.5	119	04/28/2022
Ethylbenzene	*	2.0		**46.6**	50.00	0	93.3	78.2	114	04/28/2022
Toluene	*	2.0		**45.8**	50.00	0	91.6	78.6	112	04/28/2022
Xylenes, Total	*	4.0		**139**	150.0	0	92.5	78.3	114	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.9	80	120	04/28/2022
Surr: 4-Bromofluorobenzene	*			**49.8**	50.00		99.6	80	120	04/28/2022
Surr: Dibromofluoromethane	*			**51.3**	50.00		102.5	80	120	04/28/2022
Surr: Toluene-d8	*			**48.9**	50.00		97.8	80	120	04/28/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191209 **SampType:** LCSD Units µg/L RPD Limit: 15.9

SampID: LCSD-AK220428A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.7**	50.00	0	93.5	47.70	2.05	04/28/2022
Ethylbenzene	*	2.0		**45.8**	50.00	0	91.5	46.64	1.93	04/28/2022
Toluene	*	2.0		**44.8**	50.00	0	89.7	45.80	2.10	04/28/2022
Xylenes, Total	*	4.0		**136**	150.0	0	90.7	138.8	1.97	04/28/2022
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.7			04/28/2022
Surr: 4-Bromofluorobenzene	*			**49.2**	50.00		98.3			04/28/2022
Surr: Dibromofluoromethane	*			**51.4**	50.00		102.8			04/28/2022
Surr: Toluene-d8	*			**48.7**	50.00		97.5			04/28/2022

Batch 191209 **SampType:** MS Units µg/L

SampID: 22041679-021dMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.0**	50.00	0	97.9	72	120	04/29/2022
Ethylbenzene		2.0		**47.0**	50.00	0	94.0	74.8	115	04/29/2022
Toluene		2.0		**47.6**	50.00	0	95.2	70.6	109	04/29/2022
Xylenes, Total		4.0		**94.9**	100.0	0	94.9	72.1	113	04/29/2022
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.4	80	120	04/29/2022
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.0	80	120	04/29/2022
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.8	80	120	04/29/2022
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	04/29/2022

Batch 191209 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 22041679-021dMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.3**	50.00	0	98.6	48.97	0.63	04/29/2022
Ethylbenzene		2.0		**46.8**	50.00	0	93.5	47.01	0.55	04/29/2022
Toluene		2.0		**47.3**	50.00	0	94.6	47.60	0.67	04/29/2022
Xylenes, Total		4.0		**94.2**	100.0	0	94.2	94.91	0.74	04/29/2022
Surr: 1,2-Dichloroethane-d4	*			**51.5**	50.00		103.0			04/29/2022
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.0			04/29/2022
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.2			04/29/2022
Surr: Toluene-d8	*			**48.9**	50.00		97.8			04/29/2022

Client: ERM **Work Order:** 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683) **Report Date:** 11-May-22

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

Batch 191227 **SampType:** MBLK Units µg/L

SampID: MBLK-AE220429A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						04/29/2022
Ethylbenzene	*	2.0		**ND**						04/29/2022
Toluene	*	2.0		**ND**						04/29/2022
Xylenes, Total	*	4.0		**ND**						04/29/2022
Surr: 1,2-Dichloroethane-d4	*			**49.8**	50.00		99.6	80	120	04/29/2022
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.2	80	120	04/29/2022
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.3	80	120	04/29/2022
Surr: Toluene-d8	*			**46.2**	50.00		92.3	80	120	04/29/2022

Batch 191227 **SampType:** LCS Units µg/L

SampID: LCS-AE220429A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**54.0**	50.00	0	108.0	78.5	119	04/29/2022
Ethylbenzene	*	2.0		**47.0**	50.00	0	94.1	78.2	114	04/29/2022
Toluene	*	2.0		**46.9**	50.00	0	93.8	78.6	112	04/29/2022
Xylenes, Total	*	4.0		**141**	150.0	0	94.1	78.3	114	04/29/2022
Surr: 1,2-Dichloroethane-d4	*			**49.6**	50.00		99.3	80	120	04/29/2022
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.5	80	120	04/29/2022
Surr: Dibromofluoromethane	*			**52.5**	50.00		105.1	80	120	04/29/2022
Surr: Toluene-d8	*			**45.9**	50.00		91.7	80	120	04/29/2022

Batch 191227 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AE220429A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**54.0**	50.00	0	108.1	54.02	0.02	04/29/2022
Ethylbenzene	*	2.0		**47.3**	50.00	0	94.7	47.04	0.61	04/29/2022
Toluene	*	2.0		**47.0**	50.00	0	94.1	46.89	0.34	04/29/2022
Xylenes, Total	*	4.0		**141**	150.0	0	94.3	141.2	0.21	04/29/2022
Surr: 1,2-Dichloroethane-d4	*			**49.3**	50.00		98.5			04/29/2022
Surr: 4-Bromofluorobenzene	*			**49.1**	50.00		98.3			04/29/2022
Surr: Dibromofluoromethane	*			**52.5**	50.00		105.0			04/29/2022
Surr: Toluene-d8	*			**45.7**	50.00		91.5			04/29/2022

Receiving Check List

http://www.teklabinc.com/

Client: ERM

Work Order: 22041679

Client Project: Ameren Champaign MGP 2022 Q2 GW (PN 0638683)

Report Date: 11-May-22

Carrier: Employee

Received By: MEK

Completed by: Mary E. Kemp
On: 27-Apr-22
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 27-Apr-22
Elizabeth A. Hurley

Pages to follow: Chain of custody 3 Extra pages included 0

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.2
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.

pH strip #78198/75846. - ERH/MKemp - 4/27/2022 3:08:53 PM

Additional sodium hydroxide (78408) was needed in all samples for cyanide analysis except UMW-124, UMW-127, UMW-306, DUP 001, DUP 002, EB-01 and EB-02 upon arrival at the laboratory. Additional nitric acid (80810) was needed in UMW-106R, UMW-307, and DUP 003 upon arrival at the laboratory. - ERH/MKemp - 4/27/2022 3:08:56 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - MKemp - 4/27/2022 3:08:59 PM

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 22041079

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

Client:	ERM		
Address:	1968 Craig Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Jarred Schmidt	**Phone:**	(314) 733-4490
E-Mail:	Jarred.Schmidt@erm.com	**Fax:**	

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 4.2 °C LTG# 5

Preserved in: ☒ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes: 78198 / 75840 ØHS ERH 4/27/22

NaOH(78408) added to all except 124, 127, 306, DUP001.

Client Comments DUP 002, EB 01, EB-02

HNO_3(80810) added to 1062, 307, DUP 003

Pb RL: 0.0075 mg/L

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
Ameren Champaign MGP 2022 Q2 GW (PN 0638683)	Burnstein/Burley/Abegg

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: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
22041079-001	UMW-102-WG-20220425	4/25/22; 1435	1	1	1	2		X		X	X	X	X
002	UMW-105-WG-20220426	4/26/22; 1150	1	1	1	2		X		X	X	X	X
003	UMW-106R-WG-20220426	4/26/22; 0750	1	1	1	2		X		X	X	X	X
004	UMW-109-WG-20220425	4/25/22; 1745	1	1	1	2		X		X	X	X	X
005	UMW-111A-WG-20220425	4/25/22; 1600	1	1	1	2		X		X	X	X	X
006	UMW-116-WG-20220425	4/25/22; 1840	1	1	1	2		X		X	X	X	X
007	UMW-118-WG-20220425	4/25/22; 1715	1	1	1	2		X		X	X	X	X
008	UMW-119-WG-20220425	4/25/22; 1510	1	1	1	2		X		X	X	X	X
009	UMW-120-WG-20220425	4/25/22; 1410	1	1	1	2		X		X	X	X	X
010	UMW-121-WG-20220426	4/26/22; 1120	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
(ERM)	4/27/22; 1325	Mary Kemp	4/27/22 1325

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: 72151

ERH 4/27/22

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 22041079

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

Client:	ERM		
Address:	1968 Craig Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Jarred Schmidt	**Phone:**	(314) 733-4490
E-Mail:	Jarred.Schmidt@erm.com	**Fax:**	

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Pb RL: 0.0075 mg/L

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
Ameren Champaign MGP 2022 Q2 GW (PN 0638683)	Bernstein / Barclay Abbey

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: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
22041079-011	UMW-122-WG-20220426	4/26/22 ; 0905	1	1	1	2		X		X	X	X	X
012	UMW-123-WG-20220426	4/26/22 ; 0730	1	1	1	2		X		X	X	X	X
013	UMW-124-WG-20220427	4/27/22 ; 1000	1	1	1	2		X		X	X	X	X
014	UMW-125-WG-20220426	4/26/22 ; 1225	1	1	1	2		X		X	X	X	X
015	UMW-126-WG-20220427	4/27/22 ; 0900	1	1	1	2		X		X	X	X	X
016	UMW-127-WG-20220426	4/26/22 ; 1330	1	1	1	2		X		X	X	X	X
017	UMW-300-WG-20220425	4/25/22 ; 1615	1	1	1	2		X		X	X	X	X
018	UMW-301R-WG-20220426	4/26/22 ; 1345	1	1	1	2		X		X	X	X	X
019	UMW-302-WG-20220427	4/27/22 ; 0930	1	1	1	2		X		X	X	X	X
020	UMW-304R-WG-20220426	4/26/22 ; 1245	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
(ERM)	4/27/22 ; 1325	Mary Kemp	4/27/22 1325

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BottleOrder: 72151

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 22041079

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

Client:	ERM		
Address:	1968 Craig Road		
City / State / Zip	St. Louis, MO 63146		
Contact:	Jarred Schmidt	**Phone:**	(314) 733-4490
E-Mail:	Jarred.Schmidt@erm.com	**Fax:**	

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE ____ °C LTG# ____

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments MS/MSD 1 collected @ UMW-307
MS/MSD 2 collected @ UMW-305

Pb RL: 0.0075 mg/L

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
Ameren Champaign MGP 2022 Q2 GW (PN 0638683)	Burnstein/Barley/Abegg

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: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
22041079-021	UMW-305-WG-20220426	4/26/22 ; 1000	1	1	1	2		X		X	X	X	X
022	UMW-306-WG-20220426	4/26/22 ; 1010	1	1	1	2		X		X	X	X	X
023	UMW-307-WG-20220426	4/26/22 ; 0850	1	1	1	2		X		X	X	X	X
024	UMW-308-WG-20220427	4/27/22 ; 0850	1	1	1	2		X		X	X	X	X
025	DUP 001-WG-20220427	4/27/22 ; —	1	1	1	2		X		X	X	X	X
026	DUP 002-WG-20220427	4/27/22 ; —	1	1	1	2		X		X	X	X	X
027	DUP 003-WG-20220427	4/27/22 ; —	1	1	1	2		X		X	X	X	X
028	EB-01-WQ-20220425	4/25/22 ; 1305	1	1	1	2	X			X	X	X	X
029	TB-01-WQ-20220425	4/25/22 ; 1300				2			X	X			
030	EB-02-WQ-20220427	4/27/22 ; 0500	1	1	1	2	X			X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
(ERM)	4/27/22 ; 1325	Mary Kemp	4/27/22 1325

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BottleOrder: 72151

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	02 June 2022
Reference	0638683
Subject	Data Review of Ameren Champaign Groundwater Samples Second Quarter 2022: Teklab, Inc. Data Package 22041679R.

The data quality was assessed and any necessary qualifiers were applied following the *USEPA National Functional Guidelines for Organic Superfund Methods Data Review*, November 2020 and *USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review*, November 2020. Field duplicates were assessed following *Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures*, September 2020.

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-20220427, UMW-125-WG-20220426, UMW-127-WG-20220426, UMW-301R-WG-20220426, UMW-304R-WG-20220426, and DUP-001-WG-20220427) 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 standard 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

Although a collection date and time was listed on the chain-of-custody for the trip blank sample, Teklab's policy is to log the trip blank in with the date and time of sample receipt. The analysis of the trip blank sample still would be in hold if the time listed on the chain-of-custody had been used and qualifications were not necessary.

PRESERVATION EVALUATION

The sample shipment was received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples had the correct chemical preservation, with the exception of several samples for cyanide and metals analyses. The laboratory added additional sodium hydroxide to the affected cyanide samples and additional nitric acid to the affected metals samples. Samples with detected cyanide results were qualified as estimates (J). Samples with non-detected cyanide results were compared to historical results. In all cases, non-detected results were in agreement and the cyanide results were qualified as estimates (UJ). Samples for metals analysis that were preserved upon sample receipt were not qualified per National Functional Guidelines. The samples received with inadequate preservation are presented in Table 1.

HOLDING TIME EVALUATION

The samples were prepared and analyzed within the method-prescribed time period from the date of collection with one exception. Equipment blank sample EB-02-WQ-20220427 was prepared for naphthalene reanalysis by Method 8270C 2 days past the 7 day extraction holding time. Teklab qualified this result with an (H) flag. The non-detected naphthalene result was rejected (R) due to the holding time exceedance. The H flag has been removed. The qualified result is presented in Table 2.

BLANK EVALUATION

The method, equipment, and trip blank sample results were non-detected for each of the target analytes. The blank results indicate that no contaminants were introduced to the samples during sample collection activities, during shipment, handling, and storage, or during processing or analysis in the laboratory. The naphthalene result in equipment blank sample EB-02-WQ-20220427 was

rejected due to holding time exceedance; therefore, this result cannot be used to evaluate whether or not naphthalene was introduced to associated samples during sample collection activities.

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and initial/continuing calibration verification (ICV/CCV). 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 deviation (%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 ICV/CCV results were within acceptable limits for the reported sample results with the exceptions noted in Table 3. Benzo(b)fluoranthene had percent deviations outside the Method 8270C control limits in CCVs analyzed on 5/4/2022 and 5/5/2022. The benzo(b)fluoranthene results for samples associated with the 5/4/2022 CCV were non-detected and were qualified as estimates (UJ). Benzo(b)fluoranthene was not reported from the affected analytical run on 5/5/2022 and qualification was not necessary.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPDs) were within the laboratory's limits of acceptance, with the exception noted in Table 4. No data were qualified as the outlier could be verified by another in-control recovery.

MATRIX SPIKE EVALUATION

The laboratory prepared several project samples for MS/MSD analysis. The recoveries and RPDs were within the laboratory's limits of acceptance, indicating acceptable laboratory accuracy and precision and minimal matrix interference.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits, with the exceptions noted in Table 5. Data were not qualified for surrogate recovered out of acceptance criteria on method blank samples. Additionally, data were not qualified if the dilution factor was 10 or greater.

INTERNAL STANDARD EVALUATION

The internal standard responses for reported results were within acceptable limits, with the exception noted in Table 6. No qualification was necessary as the affected target analyte was not reported from the analytical run.

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 7. An RPD control limit of 30 was used when both the sample and the field duplicate results were greater than or equal to five times the reporting limit. An absolute difference control limit of two times the reporting limit was used when at least one of the results was less than five times the reporting limit. The acenaphthene results in sample pair UMW-302-WG-20220427/DUP 003-WG-20220427 did not meet the absolute difference criterion and the results were qualified as estimates (J).

RECALCULATION

All result recalculations agreed with reported results.

OVERALL ASSESSMENT

The naphthalene result for equipment blank sample EB-02-WQ-20220427 result was determined to be unusable due to holding time exceedance. With exception of the rejected result, 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 Preservation Requirements
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
22041679R	UMW-102-WG-20220425	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and samples were successfully preserved	UJ
	UMW-105-WG-20220426					J
	UMW-106R-WG-20220426					J
	UMW-109-WG-20220425					J
	UMW-111A-WG-20220425					UJ
	UMW-116-WG-20220425					UJ
	UMW-118-WG-20220425					J
	UMW-119-WG-20220425					J
	UMW-120-WG-20220425					UJ
	UMW-121-WG-20220426					J
	UMW-122-WG-20220426					J
	UMW-123-WG-20220426					UJ
	UMW-125-WG-20220426					J
	UMW-126-WG-20220427					UJ
	UMW-300-WG-20220425					UJ
	UMW-301R-WG-20220426					UJ
	UMW-302-WG-20220427					J
	UMW-304R-WG-20220426					J
	UMW-305-WG-20220426					J
	UMW-307-WG-20220426					J
	UMW-308-WG-20220427					UJ
	DUP 003-WG-20220427					J

Table 1
Samples with Exceeded Preservation Requirements
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
22041679R	UMW-106R-WG-20220426	6010B 7470A	pH > 2	pH < 2	Lab added nitric acid upon sample receipt and samples were successfully preserved	--
	UMW-307-WG-20220426					
	DUP 003-WG-20220427					

Lab package reviewed: 22041679R

Notes:

J = Estimated detected result

UJ = Nondetected, estimated report limit

Table 2
Samples with Exceeded Holding Times
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Extraction Holding Time	Time Exceeded	Analysis Holding Time	Time Exceeded	Affected Analyte	ERM Qualifier
22041679R	EB-02-WQ-20220427 05/09/2022 analysis	8270C	7 days	2 days	40 days	--	Naphthalene	R

Lab package reviewed: 22041679R

Notes:
R = Result is rejected

Table 3
Calibration Verification Recoveries Outside of Acceptable Limits
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
22041679R	CCV BNA220504A Analyzed 5/4/2022 11:47 Instrument AO	Benzo(b)fluoranthene	39.2	± 20	EB-02-WQ-20220427	ND	mg/L	UJ
					DUP 001-WG-20220427	ND	mg/L	UJ
					UMW-105-WG-20220426	ND	mg/L	UJ
					UMW-124-WG-20220427	ND	mg/L	UJ
					UMW-126-WG-20220427	ND	mg/L	UJ
					UMW-302-WG-20220427	ND	mg/L	UJ
	CCV BNA220504A Analyzed 5/5/2022 12:19 Instrument AO	Benzo(b)fluoranthene	40.6	± 20	None for qualification, analyte not reported from run	--	--	--

Lab package reviewed: 22041679R

Notes:
CCV = Continuing calibration verification
mg/L = Milligrams per liter
ND = Not detected
UJ = Nondetected, estimated report limit

Table 4
Spike Recoveries Outside of Acceptable Limits
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
LCS/LCSD										
22041679R	LCS-191195 LCSD-191195	None for qualification	Benzo(a)pyrene	118.1/110.3	57.2-118	6.86	40	--	--	--

Lab package reviewed: 22041679R

Notes:
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
RPD = Relative percent difference

Table 5
Surrogate Recovery Results out of Acceptable Limits
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
22041679R	DUP 003-WG-20220427	8270C	2-Fluorobiphenyl	0	21.4-142	None for qualification	1000	--
			Nitrobenzene-d5	0	15-163			
	MBLK-191195	8270C	2-Fluorobiphenyl	44.9	46.8-109	None for qualification	1	--

Lab package reviewed: 22041679R

Notes:
MBLK = Method blank

Table 6
Internal Standard Recoveries Outside of Acceptable Limits
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Internal Standard	Response	Limit	Affected Analyte	ERM Qualifier
22041679R	DUP 003-WG-20220427	8270C	Naphthalene-d8	591253	592060 - 2368240	None for qualification, associated analyte not reported from run	--

Lab package reviewed: 22041679R

Table 7
Field Duplicate Results and Calculated Relative Percent Differences
Second Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Absolute Difference	Difference Limit	Units	RPD	RPD Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate						
22041679R	UMW-124-WG-20220427/ DUP 001-WG-20220427	Cyanide	0.006	0.002	0.005	0.005	0.004	0.010	mg/L	--	--	--
		Barium	0.0363	0.0355	0.0025	0.0025	--	--	mg/L	2.2	30	--
		Acenaphthene	0.000340	0.000319	0.000100	0.000100	0.000021	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000134	0.000132	0.000100	0.000100	0.000002	0.000200	mg/L	--	--	--
		Naphthalene	0.0233	0.0226	0.00400	0.00400	--	--	mg/L	3.1	30	--
		Benzene	49.4	45.1	0.50	0.50	--	--	µg/L	9.1	30	--
		Ethylbenzene	5.0	4.4	2.0	2.0	0.6	4.0	µg/L	--	--	--
		Toluene	28.9	26.3	2.0	2.0	--	--	µg/L	9.4	30	--
		Xylene, Total	15.1	13.5	4.0	4.0	1.6	8.0	µg/L	--	--	--
	UMW-126-WG-20220427/ DUP 002-WG-20220427	Barium	0.0399	0.0407	0.0025	0.0025	--	--	mg/L	2.0	30	--
		Benzene	6.8	7.0	0.5	0.5	--	--	µg/L	2.9	30	--
	UMW-302-WG-20220427/ DUP 003-WG-20220427	Cyanide	0.119	0.113	0.025	0.025	0.006	0.050	mg/L	--	--	--
		Barium	0.0539	0.0561	0.0025	0.0025	--	--	mg/L	4.0	30	--
		Acenaphthene	0.000329	0.000558	0.000100	0.000100	0.000229	0.000200	mg/L	--	--	J
		Acenaphthylene	0.000287	0.000381	0.000100	0.000100	0.000094	0.000200	mg/L	--	--	--
		Naphthalene	2.83	3.10	0.400	0.400	--	--	mg/L	9.1	30	--
		Benzene	323	342	5.0	5.0	--	--	µg/L	5.7	30	--
		Ethylbenzene	757	750	20.0	20.0	--	--	µg/L	0.9	30	--
		Toluene	5.7	5.1	20	20	0.6	40	µg/L	--	--	--
		Xylene, Total	215	201	40.0	40.0	--	--	µg/L	6.7	30	--

Lab package reviewed: 22041679R

Notes:
J = Estimated detected result
mg/L = Milligrams per liter
ND = Not detected
RPD = Relative percent difference
µg/L = Micrograms per liter

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India	South Korea	
Indonesia	Spain	
Ireland	Sweden	
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