April 28, 2021

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

Re: Groundwater Monitoring Update – Quarter 1, 2021 Sampling Event
Champaign Former Manufactured Gas Plant, Champaign, Illinois

Dear Mr. Hall:

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

Attachment 1 to this letter is the groundwater monitoring summary report for the first quarter of 2021, which was performed in February 2021. This report discusses the analytical results of the quarterly groundwater monitoring event. Additional groundwater monitoring events are scheduled to be performed each quarter in 2021.

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

Respectfully,

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

ERM

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April 27, 2021

Mr. Todd Hall
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
First Quarter 2021 Sampling Event
Champaign Former Manufactured Gas Plant Site, Champaign, Illinois

Dear Mr. Hall:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the first quarter 2021 groundwater sampling event at the Champaign Former Manufactured Gas Plant (Site), located at 308 North 5th Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted from February 1, 2021 to February 4, 2021.

INTRODUCTION

Groundwater sampling activities for the first quarter 2021 monitoring event were conducted from February 1 through February 3, 2021. During the sampling event, groundwater samples were collected from 28 monitoring wells, which include seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on February 1, 2021, prior to initiation of sampling activities. Prior to sampling, groundwater was purged from the monitoring wells using the 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 impacted to most impacted.

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 RCRA metals. Laboratory analytical services were provided by Teklab, Inc. (Teklab) of Collinsville, Illinois.

Groundwater level measurement data for the first quarter 2021 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 1. 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 2. 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 2 adjacent to the primary samples. 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 first quarter 2021 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the February groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on February 4, 2021, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured DTW and the calculated water level elevations at the Site for the first quarter 2021 monitoring event are shown on Table 1. The DTW in the shallow monitoring wells ranged from 2.66 to 9.15 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.66 to 4.73 feet BLS.

As shown on Figure 1, the shallow groundwater at the Site flows in a radial pattern from the Site. This groundwater flow pattern is consistent with historical groundwater level surveys conducted at the Site. The groundwater gradients for the shallow groundwater zone during February 2021 were calculated to be 0.023 (UMW-124 to UMW-105), 0.010 (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 nine monitoring wells that monitor the intermediate groundwater unit, ranged from 27.93 to 30.45 feet from BLS. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south and southeast, with a groundwater gradient of approximately 0.0014 ft/ft across the Site (UMW-300 to UMW-308).

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples collected during the first quarter 2021 monitoring event exceeded at least one Class I or Class II 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 28 monitoring wells sampled in the first quarter 2021 monitoring event had at least one MGP-related constituent exceeding a respective Class I or II ingestion, or inhalation RO.

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

Monitoring well locations where concentrations of organic constituents (BTEX or PAHs) from the first quarter 2021 sampling event exceeded their respective RO included shallow monitoring well UMW-124, and intermediate monitoring well UMW-302. A benzene concentration of 0.0526 mg/L was reported in 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 eighteen shallow monitoring wells located on-site or off-site were below their respective Class II RO.

Benzene, ethylbenzene, and naphthalene were reported in samples collected from intermediate monitoring well UMW-302, at concentrations of 0.374, 0.786, and 2.26 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 nine 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 March 2019 and February 2021 are summarized on Table 3. Figures 4A through 4C graphically display the concentration of selected constituents at monitoring well locations UMW-124, UMW-126 and UMW-302, respectively, over the course of their entire monitoring periods.

Table 3 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 first quarter 2021 monitoring event for compliance with quality assurance/quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples. Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-124-WG-20210203, UMW-125-WG-20210203, UMW-127-WG-20210203, UMW-302-WG-20210203, DUP-001-WG-20210203, and DUP 003-WG-20210203). 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 data from the first quarter 2021 monitoring event did not require modification, other than addition of qualifiers.

Naphthalene was detected in equipment blank sample, EB-01-WQ-20210203, at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. The detection of low-level concentrations of naphthalene in the equipment blank sample has been a reoccurring issue in recent sampling events. While low-level concentrations of naphthalene have been detected in the equipment blank samples, naphthalene is absent at detectable concentrations in the groundwater samples collected from the proceeding and following monitoring wells. This indicates that cross-contamination from the water level meter probe tip is not adversely affecting groundwater sample results. ERM continues to evaluate decontamination methods and procedures to identify and resolve the cause of this issue.

The data validation memorandum also discussed laboratory control sample and laboratory control sample duplicates outside of recovery and relative percent difference (RPD) limits, low pH in 28 samples at time of receipt, high matrix spike recoveries, high surrogate recoveries, and inconsistent quantification of cyanide in the sample collected from UMW-307; however, the validation process determined that these issues had no effect on data quality and no validation qualifiers were applied. The laboratory qualifiers applied for these issues are therefore not displayed in Table 2. There were no numerical changes to the data as a result of the data validation.

All of the data, including qualified data, can be used for decision-making purposes. However, the limitations indicated by the following applied qualifiers should be considered when using the data. A ‘J’ qualifier indicates that the result is an estimated quantity with no bias or an unknown bias. A ‘U’ qualifier indicates that the analyte was analyzed for, but was not detected above the reported quantitation or detection limit.

CONCLUSIONS – 1st Quarter Results

Based on the data collected during the first quarter 2021 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 that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (total cyanide or total 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 exceeding groundwater ROs: monitoring well UMW-302, located south of the Site. 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 May 2021. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Jarred Schmidt
Consultant II, Geology

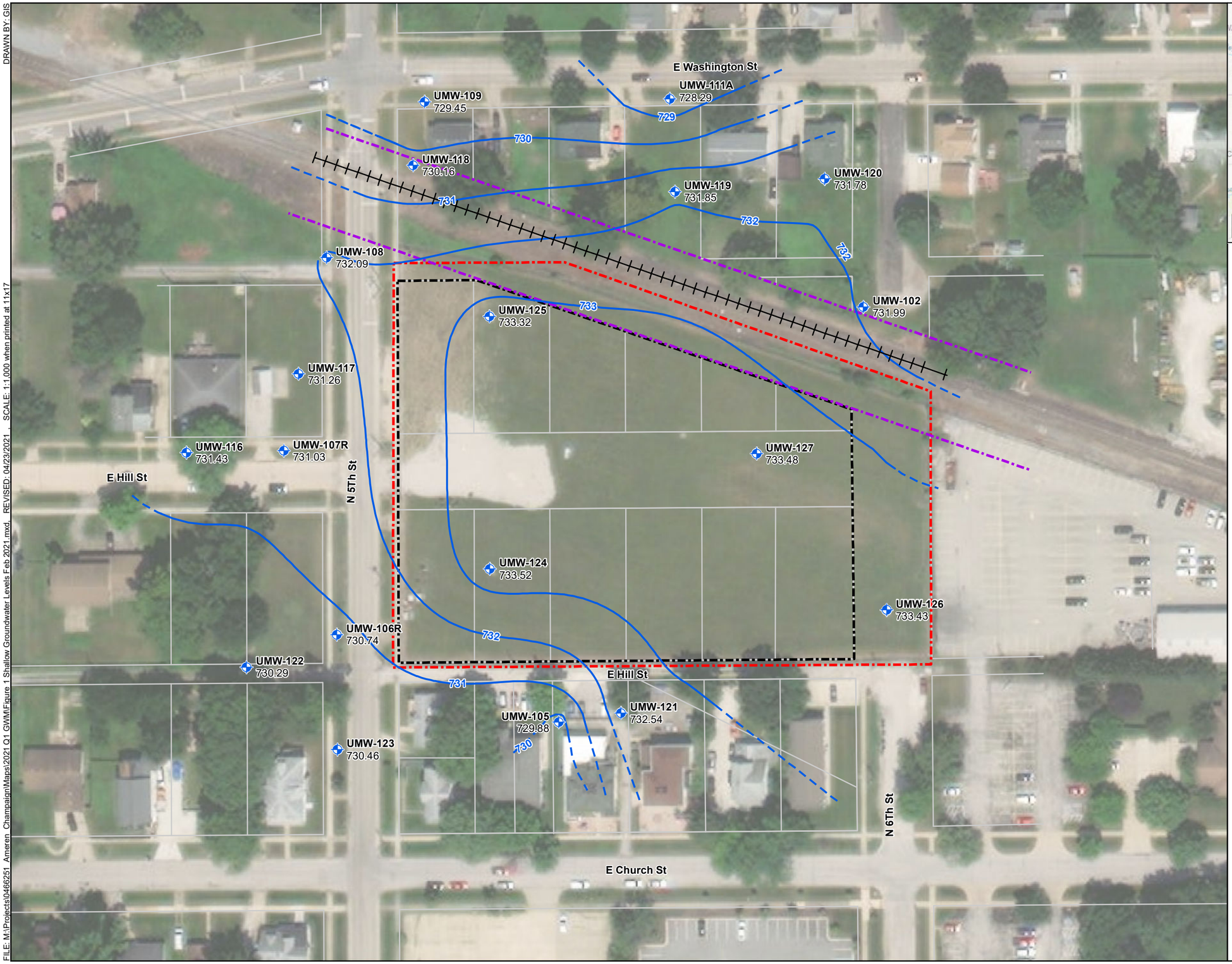
Alan Cork, P.E.
Principal Consultant, Engineer

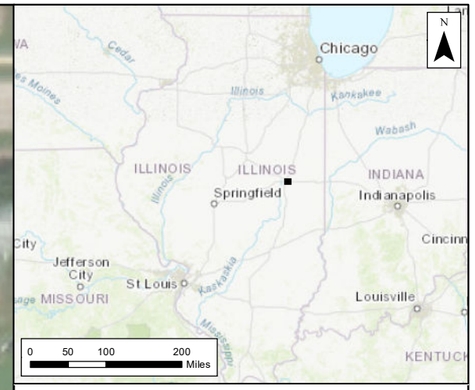
Figures	Figure 1 Shallow Groundwater Elevation Contours Figure 2 Intermediate Groundwater Elevation Contours Figure 3 Class I and II Groundwater RO Exceedances Figures 4A-C Graphs of Concentration versus Time for Selected Monitoring Well
Tables	Table 1 Groundwater Elevation Data Table 2 Summary of Analytical Results Table 3 Analytical Result by Parameter
Attachment	Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures

DRAWN BY: GIS

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q1 GWM\Figure 1 Shallow Groundwater Levels Feb 2021.mxd, REVISED: 04/23/2021 , SCALE: 1:1,000 when printed at 11x17





Legend

- Shallow Monitoring Well with Feb 01 2021 Groundwater Elevation
- February 01 2021 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 1
Shallow Groundwater Elevation Contours
February 01 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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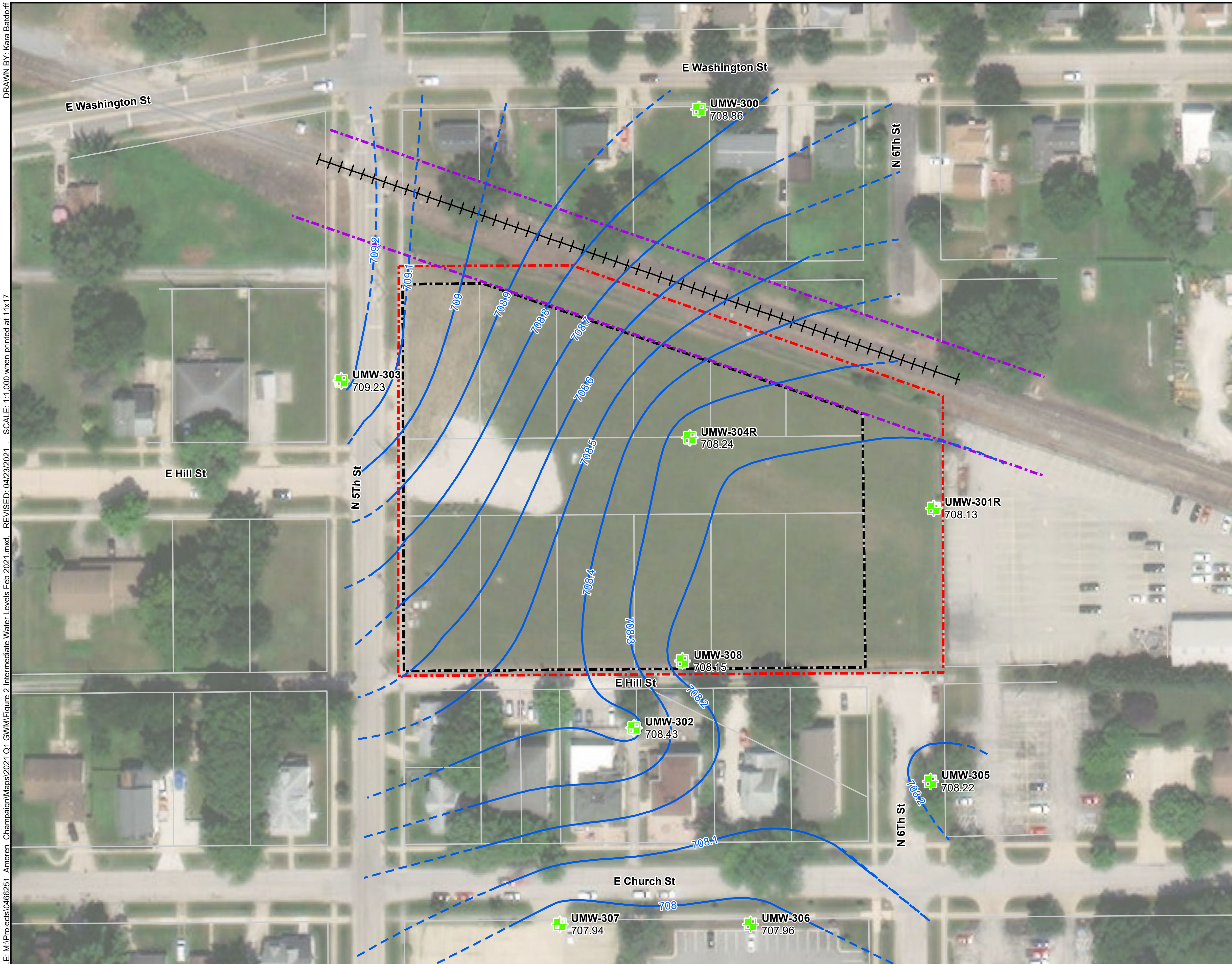

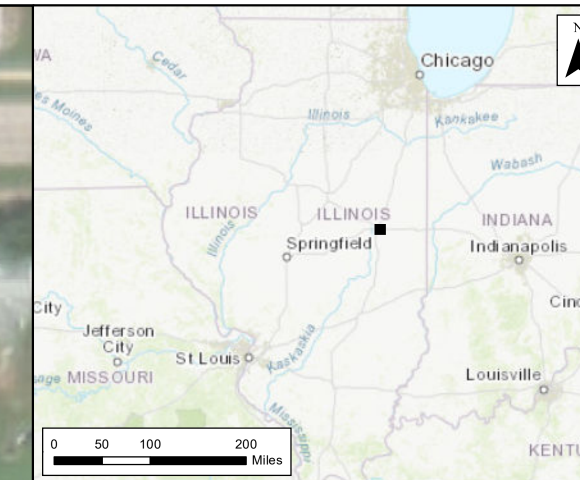

Legend

- Intermediate Monitoring Well with Feb 01 2021 Groundwater Elevation
- February 01 2020 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 2
Intermediate Groundwater Elevation Contours
February 01 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q1 GWM\Figure 2 Intermediate Water Levels Feb 2021.mxd, REVISED: 04/23/2021, SCALE: 1:1,000 when printed at 11x17, DRAWN BY: Kara Batdorff

DRAWN BY: GIS

SCALE: 1:1,200 when printed at 11x17 , REVISED 03/18/2021

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q1 GWM\Figure 3 Feb 2021 Exceedances.mxd

E Washington St

E Hill St

E Church St

N 5Th St

N 6Th St

UMW-109

UMW-111A

UMW-300

UMW-118

UMW-119

UMW-120

UMW-108

UMW-125

UMW-102

UMW-117

UMW-303

UMW-116

UMW-107R

UMW-304R

UMW-127

UMW-301R

UMW-124
Benzene: 0.0526

UMW-126

UMW-106R

UMW-308

UMW-122

UMW-121

UMW-105

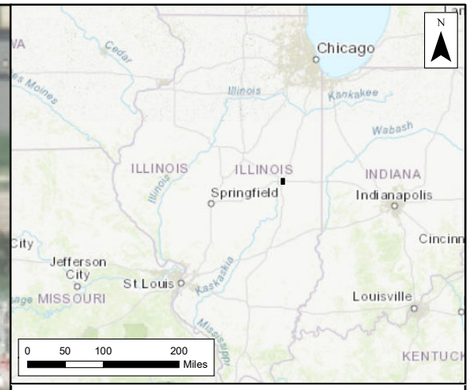
UMW-302
Benzene: 0.374
Naphthalene: 2.26
Ethylbenzene: 0.786

UMW-123

UMW-305

UMW-307

UMW-306



Legend

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

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

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
February 02 - 03, 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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ERM

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

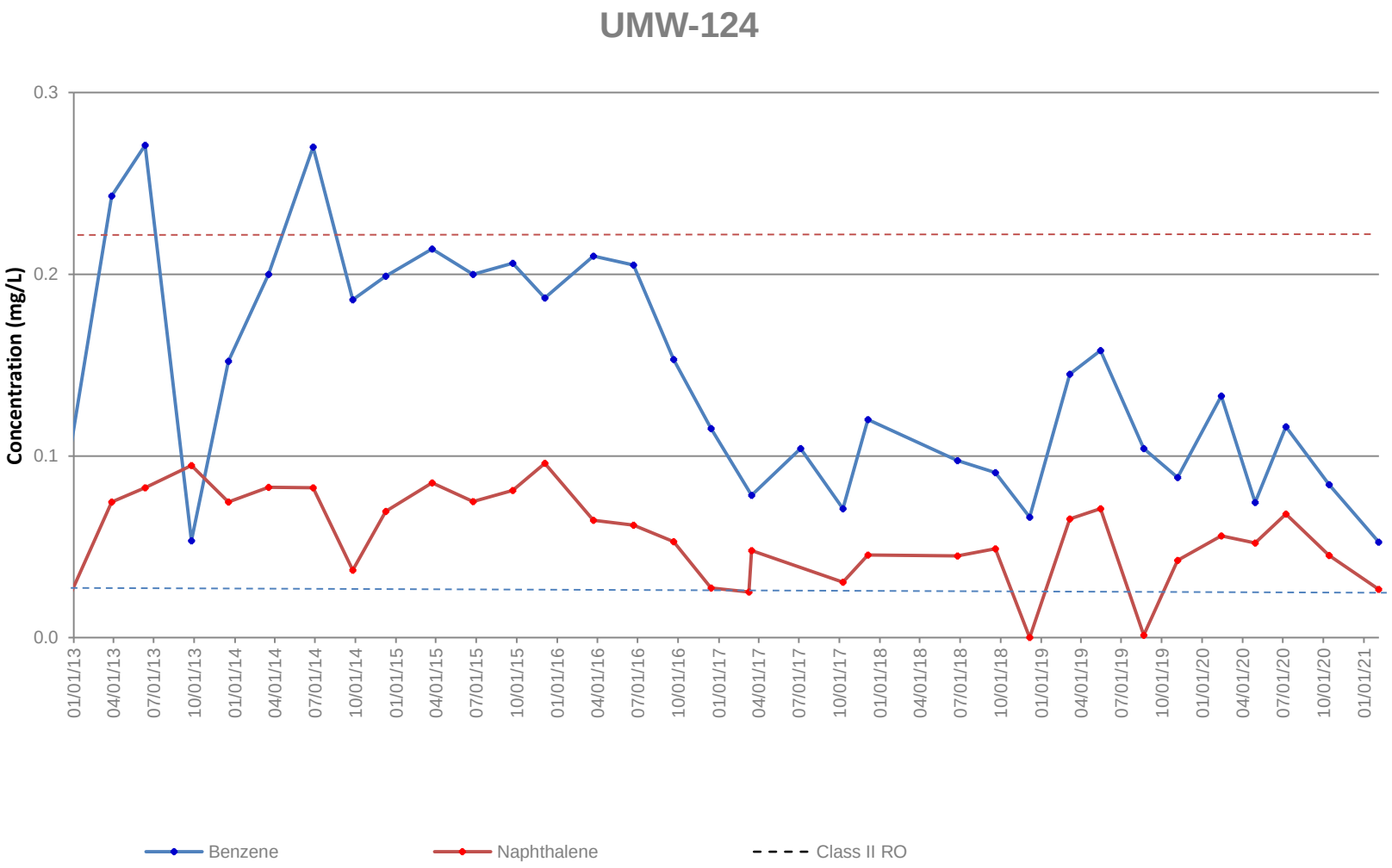


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

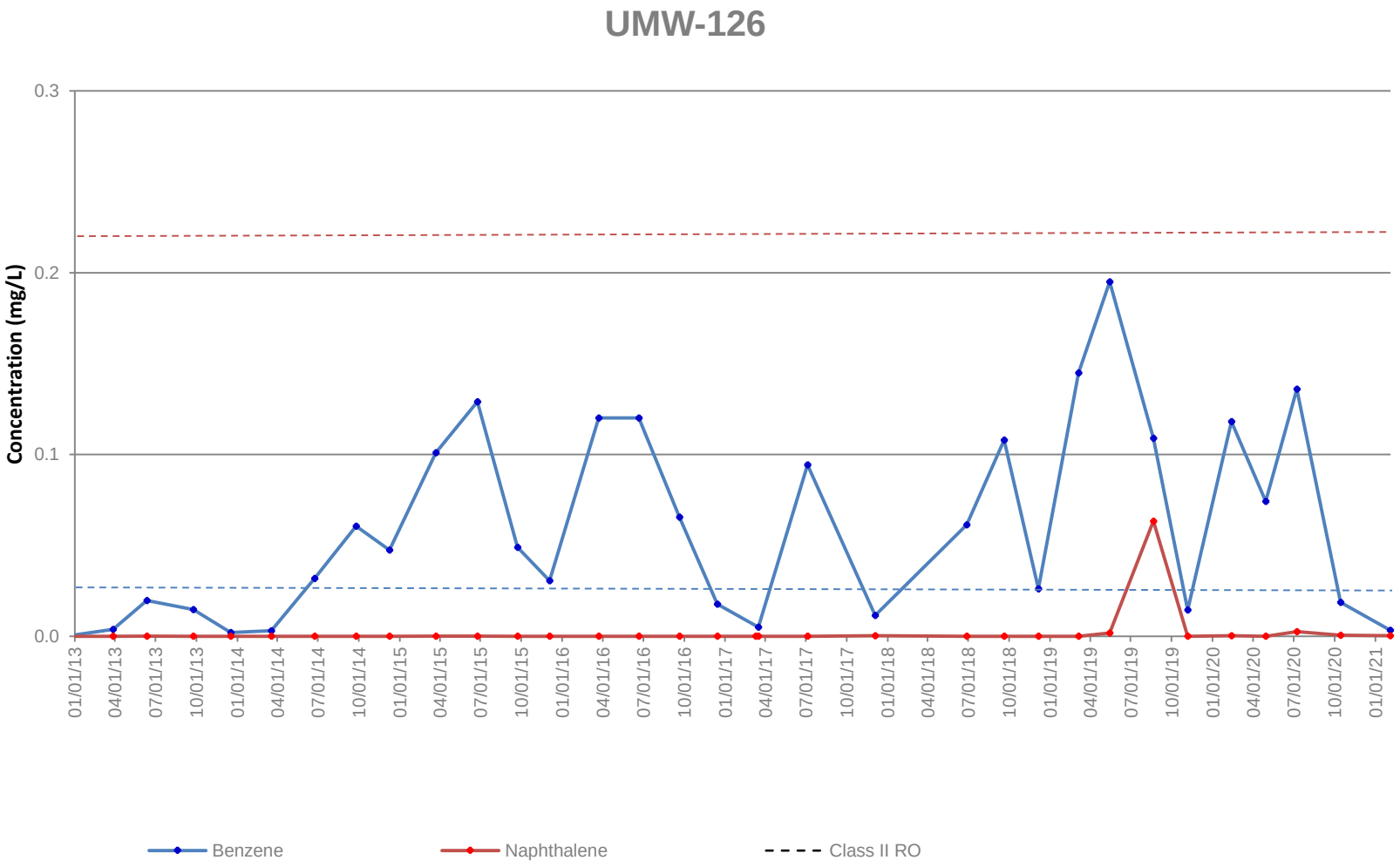
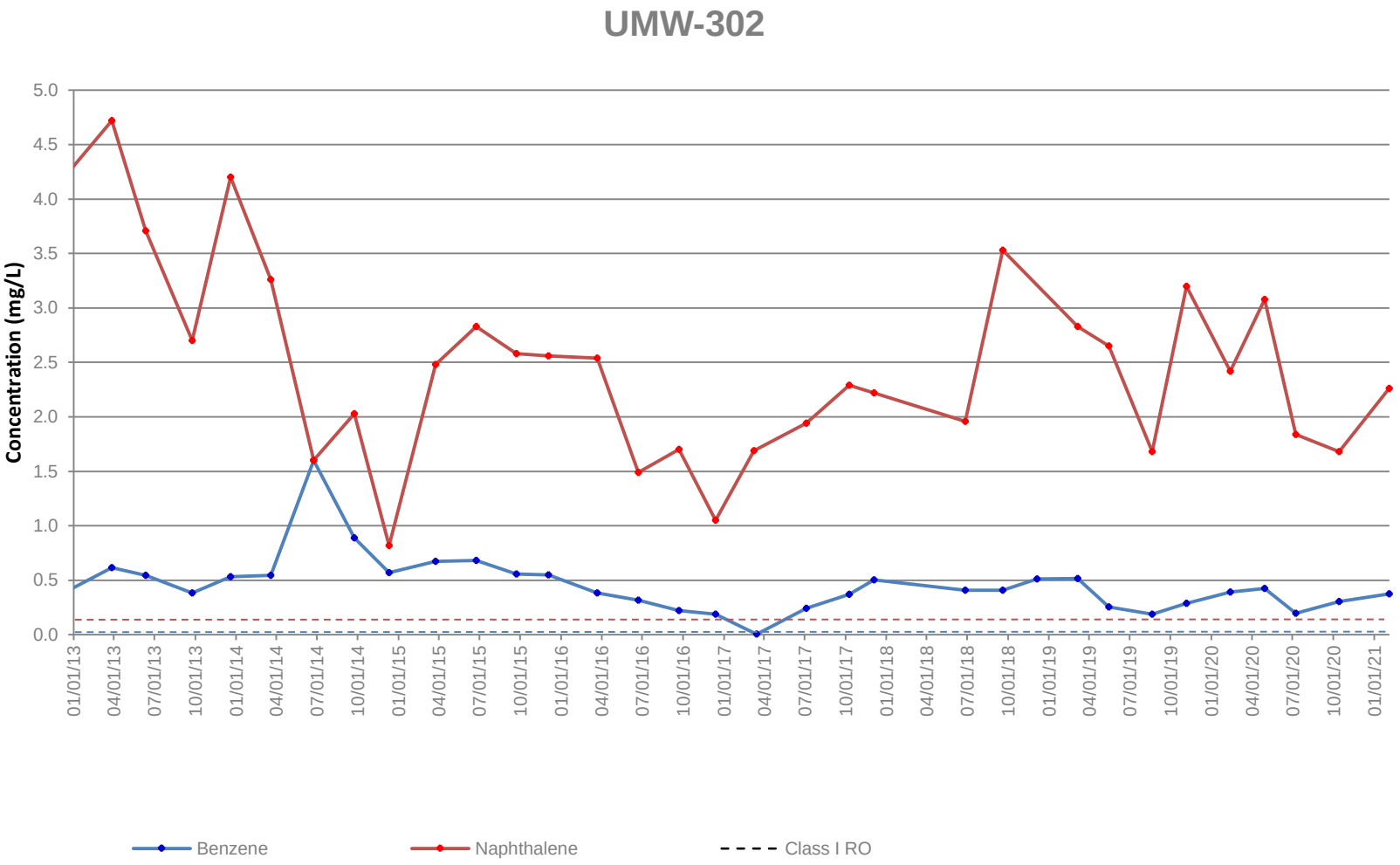


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1

Groundwater Elevation Data
February 1, 2021
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 2/1/2021		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	22.00	6.70-22.00	17	737.32	737.70	5.33	731.99	3.00	210	2/2/2021
UMW-105	19.70	9.50-19.70	17	737.33	737.70	7.45	729.88	2.00	150	2/3/2021
UMW-106R	17.00	7.00-17.00	15	737.18	737.43	6.44	730.74	1.85	300	2/2/2021
UMW-107R	19.70	9.50-19.70	17.7	736.88	737.30	5.85	731.03	3.00	260	2/2/2021
UMW-108	15.00	4.80-15.00	13	736.86	737.10	4.77	732.09	1.75	300	2/3/2021
UMW-109	20.00	10.00-20.00	18	735.11	735.50	5.66	729.45	2.30	100	2/2/2021
UMW-111A	22.80	9.00-22.80	17	736.71	737.00	8.42	728.29	2.75	116	2/2/2021
UMW-116	20.00	10.00-20.00	18	736.23	736.50	4.8	731.43	2.50	220	2/2/2021
UMW-117	15.00	5.00-15.00	13	737.53	737.81	6.27	731.26	1.50	320	2/2/2021
UMW-118	15.00	5.00-15.00	13	736.2	736.43	6.04	730.16	1.75	300	2/2/2021
UMW-119	15.00	5.00-15.00	13	736.8	737.09	4.95	731.85	2.00	250	2/2/2021
UMW-120	15.00	5.00-15.00	13	737.02	737.53	5.24	731.78	2.00	320	2/2/2021
UMW-121	15.00	5.00-15.00	13	738.46	738.80	5.92	732.54	2.00	300	2/3/2021
UMW-122	19.75	5.00-15.00	13	739.15	739.44	8.86	730.29	1.75	180	2/2/2021
UMW-123	15.89	5.89-15.89	13.9	737.24	737.53	6.78	730.46	1.50	100	2/2/2021
UMW-124 *	15.27	4.97-15.02	13.3	737.1	737.28	3.58	733.52	2.00	250	2/3/2021
UMW-125 *	15.33	5.06-15.11	13.1	737.92	738.05	4.6	733.32	2.50	340	2/3/2021
UMW-126 *	15.40	5.13-15.18	13.4	736.38	736.55	2.95	733.43	2.25	200	2/3/2021
UMW-127 *	15.38	5.11-15.16	13.4	735.93	736.14	2.45	733.48	3.50	400	2/3/2021
UMW-300	45.00	35.00-45.00	42	736.57	736.79	27.71	708.86	3.00	400	2/3/2021
UMW-301R *	46.65	36.50-46.05	44	736.11	736.20	27.98	708.13	3.50	260	2/3/2021
UMW-302	45.00	35.00-45.00	43	738.58	738.88	30.15	708.43	2.75	500	2/3/2021
UMW-303	45.00	35.00-45.00	43	737.05	737.38	27.82	709.23	2.75	450	2/3/2021
UMW-304R *	46.16	36.01-45.56	44	736.48	736.72	28.24	708.24	3.00	460	2/3/2021
UMW-305	45.00	35.00-45.00	43	737.51	737.74	29.29	708.22	2.50	400	2/3/2021
UMW-306	47.00	37.00-47.00	45	736.9	737.18	28.94	707.96	2.00	400	2/2/2021
UMW-307	47.00	37.00-47.00	44	736.92	737.19	28.98	707.94	3.00	490	2/2/2021
UMW-308 *	45.29	35.14-44.69	42.7	737.21	737.39	29.06	708.15	3.00	400	2/2/2021

Notes:

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

TABLE 2
Summary of Analytical Results
February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)												
			Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118	UMW-119	UMW-120	UMW-121
			Sample Date	02/02/2021	02/03/2021	02/02/2021	02/02/2021	02/03/2021	02/02/2021	02/02/2021	02/02/2021	02/02/2021	02/02/2021	02/02/2021	02/02/2021	02/03/2021
			Sample Type	N	N	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													
Field Parameters																
pH	NS	NS	NS	6.81	7.2	7.15	7.37	6.97	7.37	7.27	7.19	6.9	7.1	7.29	7.83	7.11
Temperature (C)	NS	NS	NS	12.1	10.7	8.3	12.8	10.5	10.6	12	11.7	10.9	11.5	9.7	10.2	11.6
ORP (mV)	NS	NS	NS	56.2	11.3	98.2	-71.6	51.7	-21.3	79.4	52.1	108.6	82.9	67.4	78.3	72.7
Dissolved Oxygen (mg/L)	NS	NS	NS	0.71	1.14	3.23	0.26	1.99	0.52	2.12	1.75	6.08	2.39	1.57	1.58	2.79
Turbidity (NTU)	NS	NS	NS	0.55	1.97	1.23	48.6	9.18	1.09	1.09	1.37	6.62	26.5	20.1	557	13.3
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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS	< 0.005 UJ	0.036 J	0.016 J	0.324 J	0.024 J	0.023 J	< 0.005 UJ	< 0.005 UJ	< 0.005	0.027 J	0.027 J	< 0.005	0.080
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	< 0.0250	< 0.0250
Barium	2	2	NS	0.0561	0.0477	0.0911	0.120	0.121	0.0841	0.0484	0.0736	0.0742	0.114	0.0780	0.0353	0.0877
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	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0903	< 0.0050	0.0140	< 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	< 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	< 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	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 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
NA = Not analyzed
Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J = Detected Results are estimated
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

TABLE 2
Summary of Analytical Results
February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class 2 Groundwater Ingestion)								Intermediate Wells (Class I Groundwater Ingestion)				
			Location ID	UMW-122	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302	UMW-302	UMW-303
			Sample Date	02/02/2021	02/02/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021	02/03/2021
			Sample Type	N	N	N	FD	N	N	FD	N	N	N	N	FD	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES													
Field Parameters																
pH	NS	NS	NS	7.22	7.31	11.29	11.29	9.79	7.49	7.49	12.57	7.35	7.68	8.69	8.69	7.32
Temperature (C)	NS	NS	NS	10.4	8.4	9.7	9.7	11.3	9.5	9.5	8.8	15.9	13.2	13.6	13.6	13.9
ORP (mV)	NS	NS	NS	86.4	73.9	-132	-132	78.9	-52.7	-52.7	-71.5	88.9	-88.2	-137.2	-137.2	-60.8
Dissolved Oxygen (mg/L)	NS	NS	NS	3.43	2.02	0.1	0.1	0.29	0.19	0.19	0.21	0.37	0.38	0.13	0.13	0.15
Turbidity (NTU)	NS	NS	NS	0.82	1.29	26.5	26.5	2.04	8.21	8.21	3.03	1.09	2.5	1.1	1.1	8.66
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	0.0526	0.0519	0.0080	0.0033	0.0033	0.0012	< 0.0005	< 0.0005	**0.374**	**0.404**	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	0.0062	0.0062	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.786**	**0.796**	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	0.0350	0.0350	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0200	0.0063	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	0.0186	0.0188	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.223	0.227	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	0.000341	0.000325	< 0.000100	< 0.000100	< 0.000100	0.000173	< 0.000100	0.00291	0.000635	0.000698	< 0.000100
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	0.000174	0.000177	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00301	0.000450	0.000482	< 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	< 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	< 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	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	0.0265	0.0206	< 0.000878 U	< 0.000400	< 0.000400	< 0.00150 U	< 0.000400	< 0.000400	**2.26**	**2.34**	< 0.000419 U
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	< 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	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS	0.018 J	0.009	0.008	0.008	0.024	< 0.005	< 0.005	< 0.005	< 0.005 UJ	< 0.005	0.175 J	0.104 J	< 0.005
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	< 0.0250	< 0.0250
Barium	2	2	NS	0.0380	0.0241	0.0341	0.0347	0.0232	0.0224	0.0225	0.116	0.0873	0.0733	0.0544	0.0540	0.0396
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	< 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	< 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	< 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	< 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	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 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
NA = Not analyzed
Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J = Detected Results are estimated
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

TABLE 2
Summary of Analytical Results
February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Intermediate Wells (Class 1 Groundwater Ingestion)					Field Quality Control	
			Location ID	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blan	Trip Blank
			Sample Date	02/03/2021	02/03/2021	02/02/2021	02/02/2021	02/03/2021	02/03/2021	02/02/2021
			Sample Type	N	N	N	N	N	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES							
Field Parameters										
pH	NS	NS	NS	7.69	7.48	7.52	7.55	7.46	NA	NA
Temperature (C)	NS	NS	NS	13.1	13.8	13.2	13.8	13.1	NA	NA
ORP (mV)	NS	NS	NS	-49.5	-121.7	-46.5	-131.3	-109.4	NA	NA
Dissolved Oxygen (mg/L)	NS	NS	NS	0.37	0.19	0.24	0.17	0.16	NA	NA
Turbidity (NTU)	NS	NS	NS	26.6	12.6	4	9.2	29.8	NA	NA
BTEX, mg/L										
Benzene	0.005	0.025	**0.11**	< 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
Toluene	1	2.5	530	< 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
PAH, mg/L										
Acenaphthene	0.42	2.1	NS	0.000284	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000612	< 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	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 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	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(g,h,i)perylene	0.21	1.05	NS	< 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	NA
Chrysene	0.0015	0.0075	NS	< 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	NA
Fluoranthene	0.28	1.4	NS	< 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	NA
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 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	0.00385	NA
Phenanthrene	0.21	1.05	NS	< 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	NA
General Chemistry, mg/L										
Total Cyanide	0.2	0.6	NS	< 0.005	0.006	0.009	0.032 J	0.007	< 0.005	NA
Metals, mg/L										
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0705	0.0998	0.108	0.110	0.104	< 0.0025	NA
Cadmium	0.005	0.05	NS	< 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	NA
Lead	0.0075	0.1	NS	< 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	NA
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	NA
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
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Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
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Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J = Detected Results are estimated
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
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-102	03/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	0.000110	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	0.000268	0.000131	0.000185	< 0.000200
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-105	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	0.000135	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/08/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-106R	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-107R	03/05/2019	0.0021	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	0.0031	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-108	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-102	03/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	0.000116	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	0.000324	< 0.000100	0.000413	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000438	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-105	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.045
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.044
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.042
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.052
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.043
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
UMW-106R	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.007
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.024
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.016
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
UMW-107R	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.333
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.406
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.409
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.376
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.378
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
UMW-108	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.027
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.021
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.024
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.027
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-109	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-111A	09/17/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	12/03/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-116	09/18/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	12/04/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 0.000100 UJ
	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-117	09/18/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	12/04/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 0.000100 UJ
	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000385
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-118	09/18/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	12/04/2018	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-109	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.010
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.017
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.020
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000104	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.030
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.026
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
UMW-111A	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	0.000339	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000245	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-116	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
UMW-117	03/05/2019	< 0.000100	< 0.000100	0.000102	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000192	< 0.000192	< 0.000192	< 0.000385	< 0.000192	< 0.000192	< 0.000385	< 0.000769	< 0.000385	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.018
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) (mg/L)	Benzo(g,h,i) (mg/L)
UMW-119	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	0.000144	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-120	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-121	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/08/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-122	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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
UMW-123	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	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

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-119	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.031
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.027
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.035
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.031
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
UMW-120	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-121	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.122
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.098
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.099
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.117
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.093
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
UMW-122	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.017
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.013
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.013
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	04/29/2020	< 0.000100	< 0.000100	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.009
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
UMW-123	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009

TABLE 3
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March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) (mg/L)	Benzo(g,h,i) (mg/L)
UMW-124	03/06/2019	**0.145**	0.0128	0.0743	0.0364	0.000586	0.000330	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	**0.158**	0.0161	0.103	0.0450	0.000667	0.000405	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.104	0.0029	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0881	0.0084	0.0483	0.0229	0.000448	0.000278	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	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
	02/03/2021	0.0526	0.0062	0.0350	0.0186	0.000341	0.000174	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
UMW-125	03/06/2019	0.0037	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	0.0040	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.0065	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-126	03/06/2019	**0.145**	< 0.0020	0.0046	0.0022	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	**0.195**	0.0038	0.0337	0.0068	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.109	0.0143	0.0804	0.0391	0.000616	0.000382	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0144	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-127	03/06/2019	0.0012	< 0.0020	< 0.0020	< 0.0020	0.000149	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	0.0021	< 0.0020	< 0.0020	< 0.0040	0.000202	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.0024	< 0.0020	< 0.0020	< 0.0040	0.000199	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0025	< 0.0020	< 0.0020	< 0.0040	0.000216	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	0.0017	< 0.0020	< 0.0020	< 0.0040	0.000166 J	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ
	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
	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
	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
	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
UMW-300	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005 UJ	< 0.0020 UJ	< 0.0020 UJ	< 0.0040 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 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
	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
	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
	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

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-124	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000204	< 0.000100	0.0652	< 0.000400	< 0.000200	0.011
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000202	< 0.000100	0.0709	< 0.000400	< 0.000200	0.006
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00125 J+	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000160	< 0.000100	0.0425	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.012
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	0.000237	< 0.000100 U	0.0680	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
UMW-125	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000338	< 0.000400	< 0.000200	0.033
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000517 J+	< 0.000400	< 0.000200	0.031
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000239 U	< 0.000400	< 0.000200	0.061
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
	04/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000878 U	< 0.000600	< 0.000200	0.024
UMW-126	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000505 U	< 0.000400	< 0.000200	< 0.005
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00195	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000218	< 0.000100	0.0634	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000887 U	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000498 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-127	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000110	< 0.000100	< 0.000631 U	< 0.000400	< 0.000200	< 0.005
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000134	< 0.000100	0.00138	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000159	< 0.000100	0.00195 J+	0.000445	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000156	< 0.000100	< 0.00208 U	0.000429	< 0.000200	< 0.005
	02/12/2020	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ	< 0.000100 UJ	0.00109 J	< 0.000400 UJ	< 0.000200 UJ	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00152 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00150 U	< 0.000600	< 0.000200	< 0.005
UMW-300	03/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) (mg/L)	Benzo(g,h,i) (mg/L)
UMW-301R	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	0.00407	0.00423	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00317	0.00328	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00317	0.00403	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00396	0.00584	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-302	03/06/2019	**0.516**	**0.929**	< 0.0200	0.247	0.000469	0.000593	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	**0.255**	**0.638**	< 0.0400	0.167	0.000449	0.000548	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	**0.188**	**0.697**	< 0.0400	0.179	0.000467	0.000498	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	**0.286**	**0.687**	< 0.0400	0.188	0.000614	0.000743	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-303	03/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-304R	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	0.000608	0.00131	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000348	0.000778	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000313	0.000697	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000379	0.000816	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-305	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000283	0.000283	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-301R	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000237	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000166	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000245	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000215	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-302	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.83**	< 0.000400	< 0.000200	0.120
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.65**	< 0.000400	< 0.000200	0.125
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**1.68**	< 0.000400	< 0.000200	0.152
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**3.20**	< 0.000400	< 0.000200	0.135
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
UMW-303	03/05/2019	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200 UJ	< 0.005
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00238	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00305 J+	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00182 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000419 U	< 0.000600	< 0.000200	< 0.005
UMW-304R	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.00106 U	< 0.000400	< 0.000200	< 0.005
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000472	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000233 U	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000266	< 0.000100	< 0.000441 U	0.000894	0.000273	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-305	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200 UJ	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.007
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000113	< 0.000100	**0.910**	< 0.000400	< 0.000200	0.011
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-306	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
	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
	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
	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
UMW-307	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005 UJ	< 0.0020 UJ	< 0.0020 UJ	< 0.0040 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ
	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
	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
	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
	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
UMW-308	03/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0020	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ
	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
	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
	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
	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

TABLE 3
Analytical Results by Parameter
March 2019 to February 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-306	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000352	< 0.000400	< 0.000200	0.014
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.020
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
UMW-307	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.056
	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.046
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.032
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	02/11/2020	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.00160 UJ	< 0.000800 UJ	0.046
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
UMW-308	03/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.022
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.012
	02/12/2020	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	0.006
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007

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

February 11, 2021

Jarred Schmidt
ERM
2 CityPlace Drive, Suite 70
St. Louis, MO 63141
TEL: (314) 733-4490
FAX:

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

RE: Champaign GW **WorkOrder:** 21020332

Dear Jarred Schmidt:

TEKLAB, INC received 33 samples on 2/4/2021 12:00:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

http://www.teklabinc.com/

Client: ERM
Work Order: 21020332
Client Project: Champaign GW
Report Date: 11-Feb-21

This reporting package includes the following:

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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
Client Project: Champaign GW

Work Order: 21020332
Report Date: 11-Feb-21

Cooler Receipt Temp: 2.6 °C

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
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Kansas City

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Lenexa, KS 66214
Phone (913) 541-1998
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Collinsville Air

Address 5445 Horseshoe Lake Road
Collinsville, IL 62234-7425
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Chicago

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

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2022	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2021	Collinsville
Louisiana	LDEQ	05002	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2021	Collinsville
Arkansas	ADEQ	88-0966		3/14/2021	Collinsville
Illinois	IDPH	17584		5/31/2021	Collinsville
Kentucky	UST	0073		1/31/2022	Collinsville
Missouri	MDNR	00930		5/31/2021	Collinsville
Missouri	MDNR	930		1/31/2022	Collinsville

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-001 **Client Sample ID:** UMW-102-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 12:34	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 20:30	173593
Barium	NELAP	0.0025		**0.0561**	mg/L	1	02/05/2021 20:30	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 20:30	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 20:30	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 20:30	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 20:30	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 20:30	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 9:57	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 0:54	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:54	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 0:54	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 0:54	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 0:54	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:54	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.0**	%REC	1	02/05/2021 0:54	173615
Surr: Nitrobenzene-d5	*	15-163		**75.2**	%REC	1	02/05/2021 0:54	173615
Surr: p-Terphenyl-d14	*	10-173		**98.4**	%REC	1	02/05/2021 0:54	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2021 16:46	173581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 16:46	173581
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 16:46	173581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2021 16:46	173581
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.6**	%REC	1	02/04/2021 16:46	173581
Surr: 4-Bromofluorobenzene	*	80-120		**101.5**	%REC	1	02/04/2021 16:46	173581
Surr: Dibromofluoromethane	*	80-120		**99.0**	%REC	1	02/04/2021 16:46	173581
Surr: Toluene-d8	*	80-120		**100.9**	%REC	1	02/04/2021 16:46	173581

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-002 **Client Sample ID:** UMW-105-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.036**	mg/L	1	02/05/2021 12:38	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 20:55	173593
Barium	NELAP	0.0025		**0.0477**	mg/L	1	02/05/2021 20:55	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 20:55	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 20:55	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 20:55	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 20:55	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 20:55	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:00	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 1:32	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 1:32	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 1:32	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 1:32	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 1:32	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 1:32	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.0**	%REC	1	02/05/2021 1:32	173615
Surr: Nitrobenzene-d5	*	15-163		**86.6**	%REC	1	02/05/2021 1:32	173615
Surr: p-Terphenyl-d14	*	10-173		**109.8**	%REC	1	02/05/2021 1:32	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2021 17:12	173581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 17:12	173581
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 17:12	173581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2021 17:12	173581
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.7**	%REC	1	02/04/2021 17:12	173581
Surr: 4-Bromofluorobenzene	*	80-120		**101.4**	%REC	1	02/04/2021 17:12	173581
Surr: Dibromofluoromethane	*	80-120		**99.2**	%REC	1	02/04/2021 17:12	173581
Surr: Toluene-d8	*	80-120		**101.5**	%REC	1	02/04/2021 17:12	173581

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-003 **Client Sample ID:** UMW-106R-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 15:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.016**	mg/L	1	02/05/2021 13:04	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 20:59	173593
Barium	NELAP	0.0025		**0.0911**	mg/L	1	02/05/2021 20:59	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 20:59	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 20:59	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 20:59	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 20:59	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 20:59	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:02	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 2:11	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:11	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 2:11	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 2:11	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 2:11	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:11	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.8**	%REC	1	02/05/2021 2:11	173615
Surr: Nitrobenzene-d5	*	15-163		**70.2**	%REC	1	02/05/2021 2:11	173615
Surr: p-Terphenyl-d14	*	10-173		**97.1**	%REC	1	02/05/2021 2:11	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2021 17:38	173581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 17:38	173581
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 17:38	173581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2021 17:38	173581
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.4**	%REC	1	02/04/2021 17:38	173581
Surr: 4-Bromofluorobenzene	*	80-120		**100.8**	%REC	1	02/04/2021 17:38	173581
Surr: Dibromofluoromethane	*	80-120		**99.0**	%REC	1	02/04/2021 17:38	173581
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	02/04/2021 17:38	173581

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-004 **Client Sample ID:** UMW-107R-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 13:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.100		**0.324**	mg/L	20	02/05/2021 11:51	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 21:03	173593
Barium	NELAP	0.0025		**0.120**	mg/L	1	02/05/2021 21:03	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 21:03	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 21:03	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 21:03	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 21:03	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 21:03	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:04	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 2:50	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 2:50	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 2:50	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 2:50	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 2:50	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 2:50	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**70.2**	%REC	1	02/05/2021 2:50	173615
Surr: Nitrobenzene-d5	*	15-163		**75.6**	%REC	1	02/05/2021 2:50	173615
Surr: p-Terphenyl-d14	*	10-173		**92.6**	%REC	1	02/05/2021 2:50	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2021 18:04	173581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 18:04	173581
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2021 18:04	173581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2021 18:04	173581
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.7**	%REC	1	02/04/2021 18:04	173581
Surr: 4-Bromofluorobenzene	*	80-120		**100.5**	%REC	1	02/04/2021 18:04	173581
Surr: Dibromofluoromethane	*	80-120		**99.6**	%REC	1	02/04/2021 18:04	173581
Surr: Toluene-d8	*	80-120		**101.6**	%REC	1	02/04/2021 18:04	173581

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-005 **Client Sample ID:** UMW-108-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 15:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.024**	mg/L	1	02/05/2021 13:09	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 21:06	173593
Barium	NELAP	0.0025		**0.121**	mg/L	1	02/05/2021 21:06	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 21:06	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 21:06	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 21:06	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 21:06	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 21:06	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:07	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 3:29	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 3:29	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 3:29	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 3:29	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 3:29	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 3:29	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.0**	%REC	1	02/05/2021 3:29	173615
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	02/05/2021 3:29	173615
Surr: p-Terphenyl-d14	*	10-173		**99.0**	%REC	1	02/05/2021 3:29	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 14:24	173639
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:24	173639
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:24	173639
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 14:24	173639
Surr: 1,2-Dichloroethane-d4	*	80-120		**99.3**	%REC	1	02/05/2021 14:24	173639
Surr: 4-Bromofluorobenzene	*	80-120		**99.3**	%REC	1	02/05/2021 14:24	173639
Surr: Dibromofluoromethane	*	80-120		**99.3**	%REC	1	02/05/2021 14:24	173639
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	02/05/2021 14:24	173639

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-006 **Client Sample ID:** UMW-109-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 12:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.023**	mg/L	1	02/05/2021 13:13	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 21:10	173593
Barium	NELAP	0.0025		**0.0841**	mg/L	1	02/05/2021 21:10	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 21:10	173593
Chromium	NELAP	0.0050		**0.0903**	mg/L	1	02/05/2021 21:10	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 21:10	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 21:10	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 21:10	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:09	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 4:07	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:07	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 4:07	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 4:07	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 4:07	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:07	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**86.0**	%REC	1	02/05/2021 4:07	173615
Surr: Nitrobenzene-d5	*	15-163		**83.0**	%REC	1	02/05/2021 4:07	173615
Surr: p-Terphenyl-d14	*	10-173		**101.6**	%REC	1	02/05/2021 4:07	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 14:50	173639
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:50	173639
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:50	173639
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 14:50	173639
Surr: 1,2-Dichloroethane-d4	*	80-120		**99.3**	%REC	1	02/05/2021 14:50	173639
Surr: 4-Bromofluorobenzene	*	80-120		**98.5**	%REC	1	02/05/2021 14:50	173639
Surr: Dibromofluoromethane	*	80-120		**97.8**	%REC	1	02/05/2021 14:50	173639
Surr: Toluene-d8	*	80-120		**99.2**	%REC	1	02/05/2021 14:50	173639

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-007 **Client Sample ID:** UMW-111A-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 13:17	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 21:13	173593
Barium	NELAP	0.0025		**0.0484**	mg/L	1	02/05/2021 21:13	173593
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 21:13	173593
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 21:13	173593
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 21:13	173593
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 21:13	173593
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 21:13	173593
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:11	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 4:46	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 4:46	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 4:46	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 4:46	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 4:46	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 4:46	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.4**	%REC	1	02/05/2021 4:46	173615
Surr: Nitrobenzene-d5	*	15-163		**65.4**	%REC	1	02/05/2021 4:46	173615
Surr: p-Terphenyl-d14	*	10-173		**90.0**	%REC	1	02/05/2021 4:46	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 15:17	173639
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:17	173639
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:17	173639
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 15:17	173639
Surr: 1,2-Dichloroethane-d4	*	80-120		**98.3**	%REC	1	02/05/2021 15:17	173639
Surr: 4-Bromofluorobenzene	*	80-120		**100.0**	%REC	1	02/05/2021 15:17	173639
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	02/05/2021 15:17	173639
Surr: Toluene-d8	*	80-120		**98.3**	%REC	1	02/05/2021 15:17	173639

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-008 **Client Sample ID:** UMW-116-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 14:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 13:22	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:00	173594
Barium	NELAP	0.0025		**0.0736**	mg/L	1	02/05/2021 17:00	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:00	173594
Chromium	NELAP	0.0050		**0.0140**	mg/L	1	02/05/2021 17:00	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:00	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:00	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:00	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:13	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 5:25	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 5:25	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 5:25	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 5:25	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 5:25	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 5:25	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.6**	%REC	1	02/05/2021 5:25	173615
Surr: Nitrobenzene-d5	*	15-163		**77.4**	%REC	1	02/05/2021 5:25	173615
Surr: p-Terphenyl-d14	*	10-173		**96.6**	%REC	1	02/05/2021 5:25	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 15:43	173639
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:43	173639
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:43	173639
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 15:43	173639
Surr: 1,2-Dichloroethane-d4	*	80-120		**97.9**	%REC	1	02/05/2021 15:43	173639
Surr: 4-Bromofluorobenzene	*	80-120		**98.6**	%REC	1	02/05/2021 15:43	173639
Surr: Dibromofluoromethane	*	80-120		**99.1**	%REC	1	02/05/2021 15:43	173639
Surr: Toluene-d8	*	80-120		**98.3**	%REC	1	02/05/2021 15:43	173639

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-009 **Client Sample ID:** UMW-117-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 13:30	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:04	173594
Barium	NELAP	0.0025		**0.0742**	mg/L	1	02/05/2021 17:04	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:04	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:04	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:04	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:04	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:04	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:20	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 6:04	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:04	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 6:04	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 6:04	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 6:04	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:04	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.0**	%REC	1	02/05/2021 6:04	173615
Surr: Nitrobenzene-d5	*	15-163		**90.4**	%REC	1	02/05/2021 6:04	173615
Surr: p-Terphenyl-d14	*	10-173		**94.8**	%REC	1	02/05/2021 6:04	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 15:05	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:05	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:05	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 15:05	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.5**	%REC	1	02/05/2021 15:05	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.3**	%REC	1	02/05/2021 15:05	173635
Surr: Dibromofluoromethane	*	80-120		**98.6**	%REC	1	02/05/2021 15:05	173635
Surr: Toluene-d8	*	80-120		**101.2**	%REC	1	02/05/2021 15:05	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-010 **Client Sample ID:** UMW-118-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.027**	mg/L	1	02/05/2021 13:35	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:08	173594
Barium	NELAP	0.0025		**0.114**	mg/L	1	02/05/2021 17:08	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:08	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:08	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:08	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:08	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:08	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:22	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 6:43	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 6:43	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 6:43	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 6:43	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 6:43	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 6:43	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.2**	%REC	1	02/05/2021 6:43	173615
Surr: Nitrobenzene-d5	*	15-163		**78.9**	%REC	1	02/05/2021 6:43	173615
Surr: p-Terphenyl-d14	*	10-173		**99.6**	%REC	1	02/05/2021 6:43	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 15:31	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:31	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:31	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 15:31	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.2**	%REC	1	02/05/2021 15:31	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.4**	%REC	1	02/05/2021 15:31	173635
Surr: Dibromofluoromethane	*	80-120		**99.0**	%REC	1	02/05/2021 15:31	173635
Surr: Toluene-d8	*	80-120		**101.5**	%REC	1	02/05/2021 15:31	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-011 **Client Sample ID:** UMW-119-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.027**	mg/L	1	02/05/2021 13:39	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:11	173594
Barium	NELAP	0.0025		**0.0780**	mg/L	1	02/05/2021 17:11	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:11	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:11	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:11	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:11	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:11	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:25	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 7:23	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 7:23	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 7:23	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 7:23	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 7:23	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 7:23	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.0**	%REC	1	02/05/2021 7:23	173615
Surr: Nitrobenzene-d5	*	15-163		**80.5**	%REC	1	02/05/2021 7:23	173615
Surr: p-Terphenyl-d14	*	10-173		**103.0**	%REC	1	02/05/2021 7:23	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 15:56	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:56	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 15:56	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 15:56	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.9**	%REC	1	02/05/2021 15:56	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.7**	%REC	1	02/05/2021 15:56	173635
Surr: Dibromofluoromethane	*	80-120		**98.9**	%REC	1	02/05/2021 15:56	173635
Surr: Toluene-d8	*	80-120		**101.3**	%REC	1	02/05/2021 15:56	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-012 **Client Sample ID:** UMW-120-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 13:43	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:15	173594
Barium	NELAP	0.0025		**0.0353**	mg/L	1	02/05/2021 17:15	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:15	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:15	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:15	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:15	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:15	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:32	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 8:03	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 8:03	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 8:03	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 8:03	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 8:03	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 8:03	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.8**	%REC	1	02/05/2021 8:03	173615
Surr: Nitrobenzene-d5	*	15-163		**78.0**	%REC	1	02/05/2021 8:03	173615
Surr: p-Terphenyl-d14	*	10-173		**93.3**	%REC	1	02/05/2021 8:03	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 16:22	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 16:22	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 16:22	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 16:22	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.1**	%REC	1	02/05/2021 16:22	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.9**	%REC	1	02/05/2021 16:22	173635
Surr: Dibromofluoromethane	*	80-120		**99.1**	%REC	1	02/05/2021 16:22	173635
Surr: Toluene-d8	*	80-120		**101.7**	%REC	1	02/05/2021 16:22	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-013 **Client Sample ID:** UMW-121-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.080**	mg/L	5	02/05/2021 12:08	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:19	173594
Barium	NELAP	0.0025		**0.0877**	mg/L	1	02/05/2021 17:19	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:19	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:19	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:19	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:19	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:19	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:34	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/04/2021 23:16	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:16	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/04/2021 23:16	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/04/2021 23:16	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/04/2021 23:16	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:16	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.9**	%REC	1	02/04/2021 23:16	173615
Surr: Nitrobenzene-d5	*	15-163		**82.8**	%REC	1	02/04/2021 23:16	173615
Surr: p-Terphenyl-d14	*	10-173		**98.8**	%REC	1	02/04/2021 23:16	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 16:48	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 16:48	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 16:48	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 16:48	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.0**	%REC	1	02/05/2021 16:48	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.4**	%REC	1	02/05/2021 16:48	173635
Surr: Dibromofluoromethane	*	80-120		**98.8**	%REC	1	02/05/2021 16:48	173635
Surr: Toluene-d8	*	80-120		**101.1**	%REC	1	02/05/2021 16:48	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-014 **Client Sample ID:** UMW-122-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 14:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.018**	mg/L	1	02/05/2021 13:48	173591
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:22	173594
Barium	NELAP	0.0025		**0.0380**	mg/L	1	02/05/2021 17:22	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:22	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:22	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:22	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:22	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:22	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:36	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/04/2021 23:53	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/04/2021 23:53	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/04/2021 23:53	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/04/2021 23:53	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/04/2021 23:53	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/04/2021 23:53	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.3**	%REC	1	02/04/2021 23:53	173615
Surr: Nitrobenzene-d5	*	15-163		**84.5**	%REC	1	02/04/2021 23:53	173615
Surr: p-Terphenyl-d14	*	10-173		**104.1**	%REC	1	02/04/2021 23:53	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/10/2021 8:01	173797
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/10/2021 8:01	173797
Toluene	NELAP	2.0		**ND**	µg/L	1	02/10/2021 8:01	173797
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/10/2021 8:01	173797
Surr: 1,2-Dichloroethane-d4	*	80-120		**106.1**	%REC	1	02/10/2021 8:01	173797
Surr: 4-Bromofluorobenzene	*	80-120		**101.8**	%REC	1	02/10/2021 8:01	173797
Surr: Dibromofluoromethane	*	80-120		**99.3**	%REC	1	02/10/2021 8:01	173797
Surr: Toluene-d8	*	80-120		**100.8**	%REC	1	02/10/2021 8:01	173797

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-015 **Client Sample ID:** UMW-123-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.009**	mg/L	1	02/05/2021 14:14	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:26	173594
Barium	NELAP	0.0025		**0.0241**	mg/L	1	02/05/2021 17:26	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:26	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:26	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:26	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:26	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:26	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:38	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 0:29	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 0:29	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 0:29	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 0:29	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 0:29	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 0:29	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**60.0**	%REC	1	02/05/2021 0:29	173615
Surr: Nitrobenzene-d5	*	15-163		**78.0**	%REC	1	02/05/2021 0:29	173615
Surr: p-Terphenyl-d14	*	10-173		**100.0**	%REC	1	02/05/2021 0:29	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 20:15	173672
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 20:15	173672
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 20:15	173672
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 20:15	173672
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.5**	%REC	1	02/05/2021 20:15	173672
Surr: 4-Bromofluorobenzene	*	80-120		**101.2**	%REC	1	02/05/2021 20:15	173672
Surr: Dibromofluoromethane	*	80-120		**98.8**	%REC	1	02/05/2021 20:15	173672
Surr: Toluene-d8	*	80-120		**101.4**	%REC	1	02/05/2021 20:15	173672

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-016 **Client Sample ID:** UMW-124-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 15:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	02/05/2021 14:18	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:44	173594
Barium	NELAP	0.0025		**0.0341**	mg/L	1	02/05/2021 17:44	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:44	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:44	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:44	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:44	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:44	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:41	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000341**	mg/L	1	02/05/2021 23:20	173615
Acenaphthylene	NELAP	0.000100		**0.000174**	mg/L	1	02/05/2021 23:20	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 23:20	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:20	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:20	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:20	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:20	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 23:20	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Naphthalene	NELAP	0.00400		**0.0265**	mg/L	10	02/08/2021 21:24	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 23:20	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:20	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.7**	%REC	1	02/05/2021 23:20	173615
Surr: Nitrobenzene-d5	*	15-163		**68.6**	%REC	1	02/05/2021 23:20	173615
Surr: p-Terphenyl-d14	*	10-173		**80.4**	%REC	1	02/05/2021 23:20	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**52.6**	µg/L	1	02/05/2021 20:40	173672
Ethylbenzene	NELAP	2.0		**6.2**	µg/L	1	02/05/2021 20:40	173672
Toluene	NELAP	2.0		**35.0**	µg/L	1	02/05/2021 20:40	173672
Xylenes, Total	NELAP	4.0		**18.6**	µg/L	1	02/05/2021 20:40	173672
Surr: 1,2-Dichloroethane-d4	*	80-120		**106.1**	%REC	1	02/05/2021 20:40	173672
Surr: 4-Bromofluorobenzene	*	80-120		**100.5**	%REC	1	02/05/2021 20:40	173672
Surr: Dibromofluoromethane	*	80-120		**98.5**	%REC	1	02/05/2021 20:40	173672
Surr: Toluene-d8	*	80-120		**101.1**	%REC	1	02/05/2021 20:40	173672

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-017 **Client Sample ID:** UMW-125-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.024**	mg/L	1	02/05/2021 14:22	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:48	173594
Barium	NELAP	0.0025		**0.0232**	mg/L	1	02/05/2021 17:48	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:48	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:48	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:48	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:48	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:48	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/09/2021 12:45	173695
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 23:58	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 23:58	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 23:58	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Naphthalene	NELAP	0.000400		**0.000878**	mg/L	1	02/05/2021 23:58	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 23:58	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 23:58	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.0**	%REC	1	02/05/2021 23:58	173615
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	02/05/2021 23:58	173615
Surr: p-Terphenyl-d14	*	10-173		**88.2**	%REC	1	02/05/2021 23:58	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**8.0**	µg/L	1	02/05/2021 21:06	173672
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:06	173672
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:06	173672
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 21:06	173672
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.1**	%REC	1	02/05/2021 21:06	173672
Surr: 4-Bromofluorobenzene	*	80-120		**101.3**	%REC	1	02/05/2021 21:06	173672
Surr: Dibromofluoromethane	*	80-120		**98.7**	%REC	1	02/05/2021 21:06	173672
Surr: Toluene-d8	*	80-120		**101.3**	%REC	1	02/05/2021 21:06	173672

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-018 **Client Sample ID:** UMW-126-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 16:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:26	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:52	173594
Barium	NELAP	0.0025		**0.0224**	mg/L	1	02/05/2021 17:52	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:52	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:52	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:52	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:52	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:52	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/09/2021 12:52	173695
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 0:36	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:36	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 0:36	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/06/2021 0:36	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 0:36	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:36	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.9**	%REC	1	02/06/2021 0:36	173615
Surr: Nitrobenzene-d5	*	15-163		**74.7**	%REC	1	02/06/2021 0:36	173615
Surr: p-Terphenyl-d14	*	10-173		**90.1**	%REC	1	02/06/2021 0:36	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**3.3**	µg/L	1	02/05/2021 21:32	173672
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:32	173672
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:32	173672
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 21:32	173672
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.7**	%REC	1	02/05/2021 21:32	173672
Surr: 4-Bromofluorobenzene	*	80-120		**100.7**	%REC	1	02/05/2021 21:32	173672
Surr: Dibromofluoromethane	*	80-120		**98.5**	%REC	1	02/05/2021 21:32	173672
Surr: Toluene-d8	*	80-120		**101.3**	%REC	1	02/05/2021 21:32	173672

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-019 **Client Sample ID:** UMW-127-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:31	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:55	173594
Barium	NELAP	0.0025		**0.116**	mg/L	1	02/05/2021 17:55	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:55	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:55	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:55	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:55	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:55	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:02	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000173**	mg/L	1	02/06/2021 1:15	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:15	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 1:15	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:15	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:15	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:15	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:15	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 1:15	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Naphthalene	NELAP	0.000400		**0.00150**	mg/L	1	02/06/2021 1:15	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 1:15	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:15	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.8**	%REC	1	02/06/2021 1:15	173615
Surr: Nitrobenzene-d5	*	15-163		**73.1**	%REC	1	02/06/2021 1:15	173615
Surr: p-Terphenyl-d14	*	10-173		**94.3**	%REC	1	02/06/2021 1:15	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.2**	µg/L	1	02/05/2021 21:58	173672
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:58	173672
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 21:58	173672
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 21:58	173672
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.6**	%REC	1	02/05/2021 21:58	173672
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	02/05/2021 21:58	173672
Surr: Dibromofluoromethane	*	80-120		**98.7**	%REC	1	02/05/2021 21:58	173672
Surr: Toluene-d8	*	80-120		**101.0**	%REC	1	02/05/2021 21:58	173672

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-020 **Client Sample ID:** UMW-300-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:39	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 17:59	173594
Barium	NELAP	0.0025		**0.0873**	mg/L	1	02/05/2021 17:59	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 17:59	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 17:59	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 17:59	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 17:59	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 17:59	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:05	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 19:18	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:18	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 19:18	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 19:18	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 19:18	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:18	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.4**	%REC	1	02/05/2021 19:18	173625
Surr: Nitrobenzene-d5	*	15-163		**80.3**	%REC	1	02/05/2021 19:18	173625
Surr: p-Terphenyl-d14	*	10-173		**98.6**	%REC	1	02/05/2021 19:18	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 9:29	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 9:29	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 9:29	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 9:29	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.5**	%REC	1	02/05/2021 9:29	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.1**	%REC	1	02/05/2021 9:29	173635
Surr: Dibromofluoromethane	*	80-120		**98.7**	%REC	1	02/05/2021 9:29	173635
Surr: Toluene-d8	*	80-120		**101.3**	%REC	1	02/05/2021 9:29	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-021 **Client Sample ID:** UMW-301R-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:44	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 18:03	173594
Barium	NELAP	0.0025		**0.0733**	mg/L	1	02/05/2021 18:03	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 18:03	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:03	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 18:03	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 18:03	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:03	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:07	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00291**	mg/L	1	02/05/2021 19:54	173625
Acenaphthylene	NELAP	0.000100		**0.00301**	mg/L	1	02/05/2021 19:54	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 19:54	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:54	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:54	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:54	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 19:54	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 19:54	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 19:54	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 19:54	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 19:54	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**61.5**	%REC	1	02/05/2021 19:54	173625
Surr: Nitrobenzene-d5	*	15-163		**77.7**	%REC	1	02/05/2021 19:54	173625
Surr: p-Terphenyl-d14	*	10-173		**95.5**	%REC	1	02/05/2021 19:54	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 9:55	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 9:55	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 9:55	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 9:55	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.3**	%REC	1	02/05/2021 9:55	173635
Surr: 4-Bromofluorobenzene	*	80-120		**100.5**	%REC	1	02/05/2021 9:55	173635
Surr: Dibromofluoromethane	*	80-120		**99.2**	%REC	1	02/05/2021 9:55	173635
Surr: Toluene-d8	*	80-120		**101.8**	%REC	1	02/05/2021 9:55	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-022 **Client Sample ID:** UMW-302-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 16:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.175**	mg/L	5	02/05/2021 12:25	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 18:06	173594
Barium	NELAP	0.0025		**0.0544**	mg/L	1	02/05/2021 18:06	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 18:06	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:06	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 18:06	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 18:06	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:06	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:09	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000635**	mg/L	1	02/05/2021 20:31	173625
Acenaphthylene	NELAP	0.000100		**0.000450**	mg/L	1	02/05/2021 20:31	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 20:31	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 20:31	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 20:31	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 20:31	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 20:31	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 20:31	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Naphthalene	NELAP	0.400		**2.26**	mg/L	1000	02/06/2021 8:16	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 20:31	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 20:31	173625
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**160.0**	%REC	1000	02/06/2021 8:16	173625
Surr: Nitrobenzene-d5	*	15-163	S	**340.0**	%REC	1000	02/06/2021 8:16	173625
Surr: p-Terphenyl-d14	*	10-173		**93.4**	%REC	1	02/05/2021 20:31	173625
Surrogate recovery is outside control limits due to matrix interference.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**374**	µg/L	10	02/05/2021 10:21	173635
Ethylbenzene	NELAP	20.0		**786**	µg/L	10	02/05/2021 10:21	173635
Toluene	NELAP	20.0		**ND**	µg/L	10	02/05/2021 10:21	173635
Xylenes, Total	NELAP	40.0		**223**	µg/L	10	02/05/2021 10:21	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.2**	%REC	10	02/05/2021 10:21	173635
Surr: 4-Bromofluorobenzene	*	80-120		**99.7**	%REC	10	02/05/2021 10:21	173635
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	10	02/05/2021 10:21	173635
Surr: Toluene-d8	*	80-120		**101.2**	%REC	10	02/05/2021 10:21	173635
Elevated reporting limit due to high levels of target and/or non-target analytes.								

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-023 **Client Sample ID:** UMW-303-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:48	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 18:10	173594
Barium	NELAP	0.0025		**0.0396**	mg/L	1	02/05/2021 18:10	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 18:10	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:10	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 18:10	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 18:10	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:10	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:11	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 21:08	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:08	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 21:08	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Naphthalene	NELAP	0.000400		**0.000419**	mg/L	1	02/09/2021 22:05	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 21:08	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:08	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**57.7**	%REC	1	02/05/2021 21:08	173625
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	02/05/2021 21:08	173625
Surr: p-Terphenyl-d14	*	10-173		**90.3**	%REC	1	02/05/2021 21:08	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 10:47	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 10:47	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 10:47	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 10:47	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.6**	%REC	1	02/05/2021 10:47	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.9**	%REC	1	02/05/2021 10:47	173635
Surr: Dibromofluoromethane	*	80-120		**98.9**	%REC	1	02/05/2021 10:47	173635
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	02/05/2021 10:47	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-024 **Client Sample ID:** UMW-304R-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 14:53	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 18:14	173594
Barium	NELAP	0.0025		**0.0705**	mg/L	1	02/05/2021 18:14	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 18:14	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:14	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 18:14	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 18:14	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:14	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:13	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000284**	mg/L	1	02/05/2021 21:44	173625
Acenaphthylene	NELAP	0.000100		**0.000612**	mg/L	1	02/05/2021 21:44	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 21:44	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:44	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:44	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:44	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 21:44	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 21:44	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 21:44	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 21:44	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 21:44	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.1**	%REC	1	02/05/2021 21:44	173625
Surr: Nitrobenzene-d5	*	15-163		**80.7**	%REC	1	02/05/2021 21:44	173625
Surr: p-Terphenyl-d14	*	10-173		**100.3**	%REC	1	02/05/2021 21:44	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 11:12	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 11:12	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 11:12	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 11:12	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.2**	%REC	1	02/05/2021 11:12	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.8**	%REC	1	02/05/2021 11:12	173635
Surr: Dibromofluoromethane	*	80-120		**98.9**	%REC	1	02/05/2021 11:12	173635
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	02/05/2021 11:12	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-025 **Client Sample ID:** UMW-305-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 8:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.006**	mg/L	1	02/05/2021 10:46	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/08/2021 16:50	173594
Barium	NELAP	0.0025		**0.0998**	mg/L	1	02/05/2021 18:32	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/08/2021 16:50	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:32	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/08/2021 16:50	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/08/2021 16:50	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:32	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:16	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 1:53	173615
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 1:53	173615
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 1:53	173615
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/06/2021 1:53	173615
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 1:53	173615
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 1:53	173615
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.9**	%REC	1	02/06/2021 1:53	173615
Surr: Nitrobenzene-d5	*	15-163		**71.9**	%REC	1	02/06/2021 1:53	173615
Surr: p-Terphenyl-d14	*	10-173		**93.7**	%REC	1	02/06/2021 1:53	173615
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 11:38	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 11:38	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 11:38	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 11:38	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.7**	%REC	1	02/05/2021 11:38	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.1**	%REC	1	02/05/2021 11:38	173635
Surr: Dibromofluoromethane	*	80-120		**98.1**	%REC	1	02/05/2021 11:38	173635
Surr: Toluene-d8	*	80-120		**102.3**	%REC	1	02/05/2021 11:38	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-026 **Client Sample ID:** UMW-306-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 17:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.009**	mg/L	1	02/05/2021 14:57	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/08/2021 16:32	173594
Barium	NELAP	0.0025		**0.108**	mg/L	1	02/05/2021 18:43	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/08/2021 16:32	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:43	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/08/2021 16:32	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/08/2021 16:32	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:43	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:47	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 22:21	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:21	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 22:21	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 22:21	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 22:21	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:21	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.6**	%REC	1	02/05/2021 22:21	173625
Surr: Nitrobenzene-d5	*	15-163		**78.8**	%REC	1	02/05/2021 22:21	173625
Surr: p-Terphenyl-d14	*	10-173		**98.3**	%REC	1	02/05/2021 22:21	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 12:55	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 12:55	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 12:55	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 12:55	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.7**	%REC	1	02/05/2021 12:55	173635
Surr: 4-Bromofluorobenzene	*	80-120		**100.7**	%REC	1	02/05/2021 12:55	173635
Surr: Dibromofluoromethane	*	80-120		**98.8**	%REC	1	02/05/2021 12:55	173635
Surr: Toluene-d8	*	80-120		**101.5**	%REC	1	02/05/2021 12:55	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-027 **Client Sample ID:** UMW-307-WG-20210202

Matrix: GROUNDWATER **Collection Date:** 02/02/2021 17:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.032**	mg/L	1	02/05/2021 11:03	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/08/2021 17:01	173594
Barium	NELAP	0.0025		**0.110**	mg/L	1	02/05/2021 18:47	173594
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/08/2021 17:01	173594
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 18:47	173594
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/08/2021 17:01	173594
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/08/2021 17:01	173594
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 18:47	173594
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/08/2021 10:50	173659
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/05/2021 22:58	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:58	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Benzo(g,h,i)perylene	NELAP	0.000200	R	**ND**	mg/L	1	02/05/2021 22:58	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/05/2021 22:58	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:58	173625
Fluoranthene	NELAP	0.000300	R	**ND**	mg/L	1	02/05/2021 22:58	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:58	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:58	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/05/2021 22:58	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/05/2021 22:58	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/05/2021 22:58	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.4**	%REC	1	02/05/2021 22:58	173625
Surr: Nitrobenzene-d5	*	15-163		**76.9**	%REC	1	02/05/2021 22:58	173625
Surr: p-Terphenyl-d14	*	10-173		**98.6**	%REC	1	02/05/2021 22:58	173625
RPD for MS/MSD was outside control limits due to sample composition.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/09/2021 2:39	173717
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/09/2021 2:39	173717
Toluene	NELAP	2.0		**ND**	µg/L	1	02/09/2021 2:39	173717
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/09/2021 2:39	173717
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.1**	%REC	1	02/09/2021 2:39	173717
Surr: 4-Bromofluorobenzene	*	80-120		**94.6**	%REC	1	02/09/2021 2:39	173717
Surr: Dibromofluoromethane	*	80-120		**99.3**	%REC	1	02/09/2021 2:39	173717
Surr: Toluene-d8	*	80-120		**99.0**	%REC	1	02/09/2021 2:39	173717

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-028 **Client Sample ID:** UMW-308-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.007**	mg/L	1	02/05/2021 15:23	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 15:29	173595
Barium	NELAP	0.0025		**0.104**	mg/L	1	02/05/2021 15:29	173595
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 15:29	173595
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 15:29	173595
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 15:29	173595
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 15:29	173595
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 15:29	173595
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:27	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 0:48	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 0:48	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 0:48	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/06/2021 0:48	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 0:48	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 0:48	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**62.2**	%REC	1	02/06/2021 0:48	173625
Surr: Nitrobenzene-d5	*	15-163		**93.5**	%REC	1	02/06/2021 0:48	173625
Surr: p-Terphenyl-d14	*	10-173		**92.0**	%REC	1	02/06/2021 0:48	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 13:21	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 13:21	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 13:21	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 13:21	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.1**	%REC	1	02/05/2021 13:21	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.0**	%REC	1	02/05/2021 13:21	173635
Surr: Dibromofluoromethane	*	80-120		**98.8**	%REC	1	02/05/2021 13:21	173635
Surr: Toluene-d8	*	80-120		**101.7**	%REC	1	02/05/2021 13:21	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-029 **Client Sample ID:** DUP-001-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	02/05/2021 15:27	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 15:32	173595
Barium	NELAP	0.0025		**0.0347**	mg/L	1	02/05/2021 15:32	173595
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 15:32	173595
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 15:32	173595
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 15:32	173595
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 15:32	173595
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 15:32	173595
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:30	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000325**	mg/L	1	02/08/2021 22:04	173625
Acenaphthylene	NELAP	0.000100		**0.000177**	mg/L	1	02/08/2021 22:04	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2021 22:04	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:04	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:04	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:04	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:04	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2021 22:04	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Naphthalene	NELAP	0.0100		**0.0206**	mg/L	25	02/06/2021 9:33	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2021 22:04	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:04	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.8**	%REC	1	02/08/2021 22:04	173625
Surr: Nitrobenzene-d5	*	15-163		**75.2**	%REC	1	02/08/2021 22:04	173625
Surr: p-Terphenyl-d14	*	10-173		**96.8**	%REC	1	02/08/2021 22:04	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**51.9**	µg/L	1	02/05/2021 13:47	173635
Ethylbenzene	NELAP	2.0		**6.2**	µg/L	1	02/05/2021 13:47	173635
Toluene	NELAP	2.0		**35.0**	µg/L	1	02/05/2021 13:47	173635
Xylenes, Total	NELAP	4.0		**18.8**	µg/L	1	02/05/2021 13:47	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.4**	%REC	1	02/05/2021 13:47	173635
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	02/05/2021 13:47	173635
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	02/05/2021 13:47	173635
Surr: Toluene-d8	*	80-120		**101.7**	%REC	1	02/05/2021 13:47	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-030 **Client Sample ID:** DUP-002-WG-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 15:32	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 15:36	173595
Barium	NELAP	0.0025		**0.0225**	mg/L	1	02/05/2021 15:36	173595
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 15:36	173595
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 15:36	173595
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 15:36	173595
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 15:36	173595
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 15:36	173595
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:37	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2021 22:44	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2021 22:44	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2021 22:44	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2021 22:44	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2021 22:44	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2021 22:44	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**79.2**	%REC	1	02/08/2021 22:44	173625
Surr: Nitrobenzene-d5	*	15-163		**81.0**	%REC	1	02/08/2021 22:44	173625
Surr: p-Terphenyl-d14	*	10-173		**86.4**	%REC	1	02/08/2021 22:44	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**3.3**	µg/L	1	02/05/2021 14:13	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:13	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 14:13	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 14:13	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.3**	%REC	1	02/05/2021 14:13	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.2**	%REC	1	02/05/2021 14:13	173635
Surr: Dibromofluoromethane	*	80-120		**98.8**	%REC	1	02/05/2021 14:13	173635
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	02/05/2021 14:13	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-031 **Client Sample ID:** DUP-003-WG--20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.104**	mg/L	5	02/05/2021 12:30	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 15:40	173595
Barium	NELAP	0.0025		**0.0540**	mg/L	1	02/05/2021 15:40	173595
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 15:40	173595
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 15:40	173595
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 15:40	173595
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 15:40	173595
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 15:40	173595
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:39	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000698**	mg/L	1	02/06/2021 2:38	173625
Acenaphthylene	NELAP	0.000100		**0.000482**	mg/L	1	02/06/2021 2:38	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 2:38	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 2:38	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 2:38	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 2:38	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 2:38	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 2:38	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Naphthalene	NELAP	0.400		**2.34**	mg/L	1000	02/06/2021 8:54	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 2:38	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 2:38	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**130.0**	%REC	1000	02/06/2021 8:54	173625
Surr: Nitrobenzene-d5	*	15-163	S	**240.0**	%REC	1000	02/06/2021 8:54	173625
Surr: p-Terphenyl-d14	*	10-173		**103.8**	%REC	1	02/06/2021 2:38	173625
Surrogate recovery is outside control limits due to matrix interference.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	25.0		**404**	µg/L	50	02/10/2021 8:27	173797
Ethylbenzene	NELAP	100		**796**	µg/L	50	02/10/2021 8:27	173797
Toluene	NELAP	2.0		**6.3**	µg/L	1	02/05/2021 14:39	173635
Xylenes, Total	NELAP	200		**227**	µg/L	50	02/10/2021 8:27	173797
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.8**	%REC	1	02/05/2021 14:39	173635
Surr: 4-Bromofluorobenzene	*	80-120		**98.4**	%REC	1	02/05/2021 14:39	173635
Surr: Dibromofluoromethane	*	80-120		**99.0**	%REC	1	02/05/2021 14:39	173635
Surr: Toluene-d8	*	80-120		**100.5**	%REC	1	02/05/2021 14:39	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-032 **Client Sample ID:** EB-01-WQ-20210203

Matrix: GROUNDWATER **Collection Date:** 02/03/2021 7:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/05/2021 15:36	173592
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/05/2021 15:43	173595
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	02/05/2021 15:43	173595
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/05/2021 15:43	173595
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/05/2021 15:43	173595
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/05/2021 15:43	173595
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/05/2021 15:43	173595
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/05/2021 15:43	173595
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/05/2021 13:42	173609
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 3:15	173625
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/06/2021 3:15	173625
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/06/2021 3:15	173625
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Naphthalene	NELAP	0.000400		**0.00385**	mg/L	1	02/09/2021 21:26	173625
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/06/2021 3:15	173625
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/06/2021 3:15	173625
Surr: 2-Fluorobiphenyl	*	21.4-142		**50.4**	%REC	1	02/06/2021 3:15	173625
Surr: Nitrobenzene-d5	*	15-163		**97.2**	%REC	1	02/06/2021 3:15	173625
Surr: p-Terphenyl-d14	*	10-173		**89.8**	%REC	1	02/06/2021 3:15	173625
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 7:44	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 7:44	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 7:44	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 7:44	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.4**	%REC	1	02/05/2021 7:44	173635
Surr: 4-Bromofluorobenzene	*	80-120		**100.1**	%REC	1	02/05/2021 7:44	173635
Surr: Dibromofluoromethane	*	80-120		**98.7**	%REC	1	02/05/2021 7:44	173635
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	02/05/2021 7:44	173635

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Lab ID: 21020332-033 **Client Sample ID:** TB-01-WQ-20210202

Matrix: TRIP BLANK **Collection Date:** 02/04/2021 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/05/2021 8:10	173635
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 8:10	173635
Toluene	NELAP	2.0		**ND**	µg/L	1	02/05/2021 8:10	173635
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/05/2021 8:10	173635
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.6**	%REC	1	02/05/2021 8:10	173635
Surr: 4-Bromofluorobenzene	*	80-120		**101.3**	%REC	1	02/05/2021 8:10	173635
Surr: Dibromofluoromethane	*	80-120		**98.6**	%REC	1	02/05/2021 8:10	173635
Surr: Toluene-d8	*	80-120		**101.5**	%REC	1	02/05/2021 8:10	173635

Client: ERM
Client Project: Champaign GW

Work Order: 21020332
Report Date: 11-Feb-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21020332-001	UMW-102-WG-20210202	Groundwater	4	02/02/2021 9:00
21020332-002	UMW-105-WG-20210203	Groundwater	4	02/03/2021 9:45
21020332-003	UMW-106R-WG-20210202	Groundwater	4	02/02/2021 15:50
21020332-004	UMW-107R-WG-20210202	Groundwater	4	02/02/2021 13:50
21020332-005	UMW-108-WG-20210203	Groundwater	4	02/03/2021 15:35
21020332-006	UMW-109-WG-20210202	Groundwater	4	02/02/2021 12:45
21020332-007	UMW-111A-WG-20210202	Groundwater	4	02/02/2021 10:40
21020332-008	UMW-116-WG-20210202	Groundwater	4	02/02/2021 14:50
21020332-009	UMW-117-WG-20210202	Groundwater	4	02/02/2021 12:10
21020332-010	UMW-118-WG-20210202	Groundwater	4	02/02/2021 13:40
21020332-011	UMW-119-WG-20210202	Groundwater	4	02/02/2021 10:50
21020332-012	UMW-120-WG-20210202	Groundwater	4	02/02/2021 8:30
21020332-013	UMW-121-WG-20210203	Groundwater	4	02/03/2021 10:40
21020332-014	UMW-122-WG-20210202	Groundwater	4	02/02/2021 14:55
21020332-015	UMW-123-WG-20210202	Groundwater	4	02/02/2021 16:05
21020332-016	UMW-124-WG-20210203	Groundwater	4	02/03/2021 15:30
21020332-017	UMW-125-WG-20210203	Groundwater	4	02/03/2021 8:30
21020332-018	UMW-126-WG-20210203	Groundwater	4	02/03/2021 16:55
21020332-019	UMW-127-WG-20210203	Groundwater	4	02/03/2021 11:20
21020332-020	UMW-300-WG-20210203	Groundwater	4	02/03/2021 12:00
21020332-021	UMW-301R-WG-20210203	Groundwater	4	02/03/2021 13:15
21020332-022	UMW-302-WG-20210203	Groundwater	4	02/03/2021 16:45
21020332-023	UMW-303-WG-20210203	Groundwater	4	02/03/2021 13:15
21020332-024	UMW-304R-WG-20210203	Groundwater	4	02/03/2021 10:00
21020332-025	UMW-305-WG-20210203	Groundwater	4	02/03/2021 8:10
21020332-026	UMW-306-WG-20210202	Groundwater	4	02/02/2021 17:15
21020332-027	UMW-307-WG-20210202	Groundwater	4	02/02/2021 17:10
21020332-028	UMW-308-WG-20210203	Groundwater	4	02/03/2021 14:05
21020332-029	DUP-001-WG-20210203	Groundwater	4	02/03/2021 0:00
21020332-030	DUP-002-WG-20210203	Groundwater	4	02/03/2021 0:00
21020332-031	DUP-003-WG--20210203	Groundwater	4	02/03/2021 0:00
21020332-032	EB-01-WQ-20210203	Groundwater	4	02/03/2021 7:30
21020332-033	TB-01-WQ-20210202	Trip Blank	1	02/04/2021 12:00

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21020332-001A	UMW-102-WG-20210202	02/02/2021 9:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 0:54
21020332-001B	UMW-102-WG-20210202	02/02/2021 9:00	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 20:30
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 9:57
21020332-001C	UMW-102-WG-20210202	02/02/2021 9:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 12:34
21020332-001D	UMW-102-WG-20210202	02/02/2021 9:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2021 16:46
21020332-002A	UMW-105-WG-20210203	02/03/2021 9:45	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 1:32
21020332-002B	UMW-105-WG-20210203	02/03/2021 9:45	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 20:55
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:00
21020332-002C	UMW-105-WG-20210203	02/03/2021 9:45	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 12:38
21020332-002D	UMW-105-WG-20210203	02/03/2021 9:45	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2021 17:12
21020332-003A	UMW-106R-WG-20210202	02/02/2021 15:50	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 2:11
21020332-003B	UMW-106R-WG-20210202	02/02/2021 15:50	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 20:59
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:02
21020332-003C	UMW-106R-WG-20210202	02/02/2021 15:50	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:04
21020332-003D	UMW-106R-WG-20210202	02/02/2021 15:50	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2021 17:38
21020332-004A	UMW-107R-WG-20210202	02/02/2021 13:50	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 2:50
21020332-004B	UMW-107R-WG-20210202	02/02/2021 13:50	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 21:03
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:04
21020332-004C	UMW-107R-WG-20210202	02/02/2021 13:50	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 11:51
21020332-004D	UMW-107R-WG-20210202	02/02/2021 13:50	02/04/2021 12:00		

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2021 18:04
21020332-005A	UMW-108-WG-20210203	02/03/2021 15:35	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 3:29
21020332-005B	UMW-108-WG-20210203	02/03/2021 15:35	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 21:06
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:07
21020332-005C	UMW-108-WG-20210203	02/03/2021 15:35	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:09
21020332-005D	UMW-108-WG-20210203	02/03/2021 15:35	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 14:24
21020332-006A	UMW-109-WG-20210202	02/02/2021 12:45	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 4:07
21020332-006B	UMW-109-WG-20210202	02/02/2021 12:45	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 21:10
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:09
21020332-006C	UMW-109-WG-20210202	02/02/2021 12:45	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:13
21020332-006D	UMW-109-WG-20210202	02/02/2021 12:45	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 14:50
21020332-007A	UMW-111A-WG-20210202	02/02/2021 10:40	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 4:46
21020332-007B	UMW-111A-WG-20210202	02/02/2021 10:40	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:28	02/05/2021 21:13
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:11
21020332-007C	UMW-111A-WG-20210202	02/02/2021 10:40	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:17
21020332-007D	UMW-111A-WG-20210202	02/02/2021 10:40	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 15:17
21020332-008A	UMW-116-WG-20210202	02/02/2021 14:50	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 5:25
21020332-008B	UMW-116-WG-20210202	02/02/2021 14:50	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:00
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:13
21020332-008C	UMW-116-WG-20210202	02/02/2021 14:50	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:22

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21020332-008D	UMW-116-WG-20210202	02/02/2021 14:50	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 15:43
21020332-009A	UMW-117-WG-20210202	02/02/2021 12:10	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 6:04
21020332-009B	UMW-117-WG-20210202	02/02/2021 12:10	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:04
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:20
21020332-009C	UMW-117-WG-20210202	02/02/2021 12:10	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:30
21020332-009D	UMW-117-WG-20210202	02/02/2021 12:10	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 15:05
21020332-010A	UMW-118-WG-20210202	02/02/2021 13:40	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 6:43
21020332-010B	UMW-118-WG-20210202	02/02/2021 13:40	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:08
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:22
21020332-010C	UMW-118-WG-20210202	02/02/2021 13:40	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:35
21020332-010D	UMW-118-WG-20210202	02/02/2021 13:40	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 15:31
21020332-011A	UMW-119-WG-20210202	02/02/2021 10:50	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 7:23
21020332-011B	UMW-119-WG-20210202	02/02/2021 10:50	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:11
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:25
21020332-011C	UMW-119-WG-20210202	02/02/2021 10:50	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:39
21020332-011D	UMW-119-WG-20210202	02/02/2021 10:50	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 15:56
21020332-012A	UMW-120-WG-20210202	02/02/2021 8:30	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 8:03
21020332-012B	UMW-120-WG-20210202	02/02/2021 8:30	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:15
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:32
21020332-012C	UMW-120-WG-20210202	02/02/2021 8:30	02/04/2021 12:00		

Client: ERM **Work Order:** 21020332

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:43
21020332-012D	UMW-120-WG-20210202	02/02/2021 8:30	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 16:22
21020332-013A	UMW-121-WG-20210203	02/03/2021 10:40	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/04/2021 23:16
21020332-013B	UMW-121-WG-20210203	02/03/2021 10:40	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:19
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:34
21020332-013C	UMW-121-WG-20210203	02/03/2021 10:40	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 12:08
21020332-013D	UMW-121-WG-20210203	02/03/2021 10:40	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 16:48
21020332-014A	UMW-122-WG-20210202	02/02/2021 14:55	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/04/2021 23:53
21020332-014B	UMW-122-WG-20210202	02/02/2021 14:55	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:22
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:36
21020332-014C	UMW-122-WG-20210202	02/02/2021 14:55	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 13:48
21020332-014D	UMW-122-WG-20210202	02/02/2021 14:55	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/10/2021 8:01
21020332-015A	UMW-123-WG-20210202	02/02/2021 16:05	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/04/2021 20:49	02/05/2021 0:29
21020332-015B	UMW-123-WG-20210202	02/02/2021 16:05	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:26
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:38
21020332-015C	UMW-123-WG-20210202	02/02/2021 16:05	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:14
21020332-015D	UMW-123-WG-20210202	02/02/2021 16:05	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 20:15
21020332-016A	UMW-124-WG-20210203	02/03/2021 15:30	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/05/2021 23:20
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/08/2021 21:24
21020332-016B	UMW-124-WG-20210203	02/03/2021 15:30	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:44

Client: ERM **Work Order:** 21020332

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:41
21020332-016C	UMW-124-WG-20210203	02/03/2021 15:30	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:18
21020332-016D	UMW-124-WG-20210203	02/03/2021 15:30	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 20:40
21020332-017A	UMW-125-WG-20210203	02/03/2021 8:30	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/05/2021 23:58
21020332-017B	UMW-125-WG-20210203	02/03/2021 8:30	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:48
	SW-846 7470A (Total)			02/08/2021 13:29	02/09/2021 12:45
21020332-017C	UMW-125-WG-20210203	02/03/2021 8:30	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:22
21020332-017D	UMW-125-WG-20210203	02/03/2021 8:30	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 21:06
21020332-018A	UMW-126-WG-20210203	02/03/2021 16:55	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/06/2021 0:36
21020332-018B	UMW-126-WG-20210203	02/03/2021 16:55	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:52
	SW-846 7470A (Total)			02/08/2021 13:29	02/09/2021 12:52
21020332-018C	UMW-126-WG-20210203	02/03/2021 16:55	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:26
21020332-018D	UMW-126-WG-20210203	02/03/2021 16:55	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 21:32
21020332-019A	UMW-127-WG-20210203	02/03/2021 11:20	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/06/2021 1:15
21020332-019B	UMW-127-WG-20210203	02/03/2021 11:20	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:55
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:02
21020332-019C	UMW-127-WG-20210203	02/03/2021 11:20	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:31
21020332-019D	UMW-127-WG-20210203	02/03/2021 11:20	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 21:58
21020332-020A	UMW-300-WG-20210203	02/03/2021 12:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 9:12	02/05/2021 19:18
21020332-020B	UMW-300-WG-20210203	02/03/2021 12:00	02/04/2021 12:00		

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 17:59
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:05
21020332-020C	UMW-300-WG-20210203	02/03/2021 12:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:39
21020332-020D	UMW-300-WG-20210203	02/03/2021 12:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 9:29
21020332-021A	UMW-301R-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 9:12	02/05/2021 19:54
21020332-021B	UMW-301R-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:03
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:07
21020332-021C	UMW-301R-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:44
21020332-021D	UMW-301R-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 9:55
21020332-022A	UMW-302-WG-20210203	02/03/2021 16:45	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 9:12	02/05/2021 20:31
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 9:12	02/06/2021 8:16
21020332-022B	UMW-302-WG-20210203	02/03/2021 16:45	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:06
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:09
21020332-022C	UMW-302-WG-20210203	02/03/2021 16:45	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 12:25
21020332-022D	UMW-302-WG-20210203	02/03/2021 16:45	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 10:21
21020332-023A	UMW-303-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/05/2021 21:08
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/09/2021 22:05
21020332-023B	UMW-303-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:10
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:11
21020332-023C	UMW-303-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:48
21020332-023D	UMW-303-WG-20210203	02/03/2021 13:15	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 10:47

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21020332-024A	UMW-304R-WG-20210203	02/03/2021 10:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/05/2021 21:44
21020332-024B	UMW-304R-WG-20210203	02/03/2021 10:00	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:14
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:13
21020332-024C	UMW-304R-WG-20210203	02/03/2021 10:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:53
21020332-024D	UMW-304R-WG-20210203	02/03/2021 10:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 11:12
21020332-025A	UMW-305-WG-20210203	02/03/2021 8:10	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 7:50	02/06/2021 1:53
21020332-025B	UMW-305-WG-20210203	02/03/2021 8:10	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:32
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/08/2021 16:50
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:16
21020332-025C	UMW-305-WG-20210203	02/03/2021 8:10	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 10:46
21020332-025D	UMW-305-WG-20210203	02/03/2021 8:10	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 11:38
21020332-026A	UMW-306-WG-20210202	02/02/2021 17:15	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/05/2021 22:21
21020332-026B	UMW-306-WG-20210202	02/02/2021 17:15	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/08/2021 16:32
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:47
21020332-026C	UMW-306-WG-20210202	02/02/2021 17:15	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 14:57
21020332-026D	UMW-306-WG-20210202	02/02/2021 17:15	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 12:55
21020332-027A	UMW-307-WG-20210202	02/02/2021 17:10	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/05/2021 22:58
21020332-027B	UMW-307-WG-20210202	02/02/2021 17:10	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/05/2021 18:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:31	02/08/2021 17:01
	SW-846 7470A (Total)			02/05/2021 18:47	02/08/2021 10:50

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21020332-027C	UMW-307-WG-20210202	02/02/2021 17:10	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 11:03
21020332-027D	UMW-307-WG-20210202	02/02/2021 17:10	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/09/2021 2:39
21020332-028A	UMW-308-WG-20210203	02/03/2021 14:05	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/06/2021 0:48
21020332-028B	UMW-308-WG-20210203	02/03/2021 14:05	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:33	02/05/2021 15:29
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:27
21020332-028C	UMW-308-WG-20210203	02/03/2021 14:05	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 15:23
21020332-028D	UMW-308-WG-20210203	02/03/2021 14:05	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 13:21
21020332-029A	DUP-001-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/06/2021 9:33
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/08/2021 22:04
21020332-029B	DUP-001-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:33	02/05/2021 15:32
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:30
21020332-029C	DUP-001-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 15:27
21020332-029D	DUP-001-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 13:47
21020332-030A	DUP-002-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/08/2021 22:44
21020332-030B	DUP-002-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:33	02/05/2021 15:36
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:37
21020332-030C	DUP-002-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 15:32
21020332-030D	DUP-002-WG-20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 14:13
21020332-031A	DUP-003-WG--20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/06/2021 2:38
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/06/2021 8:54

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
21020332-031B	DUP-003-WG--20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:33	02/05/2021 15:40
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:39
21020332-031C	DUP-003-WG--20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 12:30
21020332-031D	DUP-003-WG--20210203	02/03/2021 0:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 14:39
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/10/2021 8:27
21020332-032A	EB-01-WQ-20210203	02/03/2021 7:30	02/04/2021 12:00		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/06/2021 3:15
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/05/2021 10:27	02/09/2021 21:26
21020332-032B	EB-01-WQ-20210203	02/03/2021 7:30	02/04/2021 12:00		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/04/2021 14:33	02/05/2021 15:43
	SW-846 7470A (Total)			02/04/2021 17:03	02/05/2021 13:42
21020332-032C	EB-01-WQ-20210203	02/03/2021 7:30	02/04/2021 12:00		
	SW-846 9012A (Total)			02/04/2021 18:00	02/05/2021 15:36
21020332-032D	EB-01-WQ-20210203	02/03/2021 7:30	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 7:44
21020332-033A	TB-01-WQ-20210202	02/04/2021 12:00	02/04/2021 12:00		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/05/2021 8:10

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

SW-846 9012A (TOTAL)

Batch 173591 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210204 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	02/05/2021

Batch 173591 **SampType:** LCS Units **mg/L**
SampID: LCS 210204 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.4	90	110	02/05/2021

Batch 173591 **SampType:** MS Units **mg/L**
SampID: 21020332-004CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.100		**0.345**	0.0250	0.3240	82.9	75	125	02/05/2021

Batch 173591 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21020332-004CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.100		**0.352**	0.0250	0.3240	110.9	0.3447	2.01	02/05/2021

Batch 173591 **SampType:** MS Units **mg/L**
SampID: 21020332-013CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.107**	0.0250	0.07975	107.8	75	125	02/05/2021

Batch 173591 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21020332-013CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.102**	0.0250	0.07975	89.2	0.1067	4.45	02/05/2021

Batch 173592 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210204 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	02/05/2021

Batch 173592 **SampType:** LCS Units **mg/L**
SampID: LCS 210204 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.8	85	115	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

SW-846 9012A (TOTAL)

Batch 173592 **SampType:** MS Units **mg/L**

SampID: 21020332-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.031**	0.0250	0.006465	98.3	75	125	02/05/2021

Batch 173592 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.030**	0.0250	0.006465	94.6	0.03103	2.98	02/05/2021

Batch 173592 **SampType:** MS Units **mg/L**

SampID: 21020332-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.053**	0.0250	0.03153	86.4	75	125	02/05/2021

Batch 173592 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.053**	0.0250	0.03153	86.2	0.05313	0.12	02/05/2021

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

Batch 173593 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173593

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	02/08/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/05/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/08/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/05/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	02/08/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/08/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173593 **SampType:** LCS Units **mg/L**

SampID: LCS-173593

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.524**	0.5000	0	104.8	85	115	02/08/2021
Barium		0.0025		**1.87**	2.000	0	93.5	85	115	02/05/2021
Barium		0.0025		**2.06**	2.000	0	103.0	85	115	02/08/2021
Cadmium		0.0020		**0.0492**	0.0500	0	98.4	85	115	02/08/2021
Chromium		0.0050		**0.195**	0.2000	0	97.7	85	115	02/08/2021
Chromium		0.0050		**0.179**	0.2000	0	89.3	85	115	02/05/2021
Lead		0.0150		**0.498**	0.5000	0	99.5	85	115	02/08/2021
Selenium		0.0400		**0.501**	0.5000	0	100.2	85	115	02/08/2021
Silver		0.0070		**0.0457**	0.0500	0	91.4	85	115	02/05/2021
Silver		0.0070		**0.0493**	0.0500	0	98.6	85	115	02/08/2021

Batch 173593 **SampType:** MS Units **mg/L**

SampID: 21020332-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.500**	0.5000	0	100.0	75	125	02/05/2021
Barium		0.0025		**2.05**	2.000	0.05610	99.8	75	125	02/05/2021
Cadmium		0.0020		**0.0448**	0.0500	0	89.6	75	125	02/05/2021
Chromium		0.0050		**0.189**	0.2000	0	94.6	75	125	02/05/2021
Lead		0.0150		**0.457**	0.5000	0	91.4	75	125	02/05/2021
Selenium		0.0400		**0.456**	0.5000	0	91.2	75	125	02/05/2021
Silver		0.0070		**0.0495**	0.0500	0	99.0	75	125	02/05/2021

Batch 173593 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21020332-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.502**	0.5000	0	100.4	0.4999	0.40	02/05/2021
Barium		0.0025		**2.07**	2.000	0.05610	100.5	2.053	0.68	02/05/2021
Cadmium		0.0020		**0.0450**	0.0500	0	90.0	0.04480	0.45	02/05/2021
Chromium		0.0050		**0.190**	0.2000	0	95.2	0.1891	0.69	02/05/2021
Lead		0.0150		**0.459**	0.5000	0	91.8	0.4568	0.48	02/05/2021
Selenium		0.0400		**0.459**	0.5000	0	91.7	0.4558	0.63	02/05/2021
Silver		0.0070		**0.0497**	0.0500	0	99.4	0.04950	0.40	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173594 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173594

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	02/05/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/05/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/05/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/05/2021
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/05/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/05/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/05/2021

Batch 173594 **SampType:** LCS Units **mg/L**

SampID: LCS-173594

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.511**	0.5000	0	102.1	85	115	02/05/2021
Barium		0.0025		**2.03**	2.000	0	101.4	85	115	02/05/2021
Cadmium		0.0020		**0.0481**	0.0500	0	96.2	85	115	02/05/2021
Chromium		0.0050		**0.195**	0.2000	0	97.3	85	115	02/05/2021
Lead		0.0150		**0.488**	0.5000	0	97.6	85	115	02/05/2021
Selenium		0.0400		**0.485**	0.5000	0	97.1	85	115	02/05/2021
Silver		0.0070		**0.0491**	0.0500	0	98.2	85	115	02/05/2021

Batch 173594 **SampType:** MS Units **mg/L**

SampID: 21020332-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.539**	0.5000	0	107.8	75	125	02/08/2021
Barium		0.0025		**2.16**	2.000	0.09980	103.1	75	125	02/05/2021
Cadmium		0.0020		**0.0490**	0.0500	0	98.0	75	125	02/08/2021
Chromium		0.0050		**0.198**	0.2000	0	99.0	75	125	02/05/2021
Lead		0.0150		**0.493**	0.5000	0	98.7	75	125	02/08/2021
Selenium		0.0400		**0.513**	0.5000	0	102.6	75	125	02/08/2021
Silver		0.0070		**0.0509**	0.0500	0	101.8	75	125	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173594 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21020332-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.552**	0.5000	0	110.5	0.5388	2.47	02/08/2021
Barium		0.0025		**2.17**	2.000	0.09980	103.5	2.161	0.37	02/05/2021
Cadmium		0.0020		**0.0503**	0.0500	0	100.6	0.04900	2.62	02/08/2021
Chromium		0.0050		**0.198**	0.2000	0	99.2	0.1979	0.30	02/05/2021
Lead		0.0150		**0.507**	0.5000	0	101.3	0.4933	2.66	02/08/2021
Selenium		0.0400		**0.518**	0.5000	0	103.6	0.5132	0.89	02/08/2021
Silver		0.0070		**0.0511**	0.0500	0	102.2	0.05090	0.39	02/05/2021

Batch 173594 **SampType:** MS Units **mg/L**

SampID: 21020332-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.551**	0.5000	0	110.3	75	125	02/08/2021
Barium		0.0025		**2.17**	2.000	0.1102	103.2	75	125	02/05/2021
Cadmium		0.0020		**0.0503**	0.0500	0	100.6	75	125	02/08/2021
Chromium		0.0050		**0.198**	0.2000	0	99.0	75	125	02/05/2021
Lead		0.0150		**0.502**	0.5000	0	100.3	75	125	02/08/2021
Selenium		0.0400		**0.523**	0.5000	0	104.6	75	125	02/08/2021
Silver		0.0070		**0.0509**	0.0500	0	101.8	75	125	02/05/2021

Batch 173594 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21020332-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.528**	0.5000	0	105.6	0.5513	4.34	02/08/2021
Barium		0.0025		**2.08**	2.000	0.1102	98.2	2.174	4.66	02/05/2021
Cadmium		0.0020		**0.0484**	0.0500	0	96.8	0.05030	3.85	02/08/2021
Chromium		0.0050		**0.189**	0.2000	0	94.6	0.1981	4.60	02/05/2021
Lead		0.0150		**0.487**	0.5000	0	97.3	0.5017	3.04	02/08/2021
Selenium		0.0400		**0.499**	0.5000	0	99.9	0.5230	4.62	02/08/2021
Silver		0.0070		**0.0487**	0.0500	0	97.4	0.05090	4.42	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173595 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173595

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	02/05/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/05/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/05/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/05/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	02/05/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/05/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/05/2021

Batch 173595 **SampType:** LCS Units **mg/L**

SampID: LCS-173595

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.510**	0.5000	0	102.1	85	115	02/05/2021
Barium		0.0025		**2.02**	2.000	0	100.8	85	115	02/05/2021
Cadmium		0.0020		**0.0478**	0.0500	0	95.6	85	115	02/05/2021
Chromium		0.0050		**0.192**	0.2000	0	96.2	85	115	02/05/2021
Lead		0.0150		**0.484**	0.5000	0	96.8	85	115	02/05/2021
Selenium		0.0400		**0.480**	0.5000	0	95.9	85	115	02/05/2021
Silver		0.0070		**0.0486**	0.0500	0	97.2	85	115	02/05/2021

SW-846 7470A (TOTAL)

Batch 173609 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173609

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	02/05/2021

Batch 173609 **SampType:** LCS Units **mg/L**

SampID: LCS-173609

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00509**	0.0050	0	101.9	85	115	02/05/2021

Batch 173609 **SampType:** MS Units **mg/L**

SampID: 21020332-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00506**	0.0050	0	101.1	75	125	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

SW-846 7470A (TOTAL)

Batch 173609 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00512**	0.0050	0	102.4	0.005056	1.24	02/05/2021

Batch 173609 **SampType:** MS Units **mg/L**

SampID: 21020332-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.6	75	125	02/05/2021

Batch 173609 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00495**	0.0050	0	99.0	0.004982	0.63	02/05/2021

Batch 173659 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173659

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	02/08/2021

Batch 173659 **SampType:** LCS Units **mg/L**

SampID: LCS-173659

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00532**	0.0050	0	106.3	85	115	02/08/2021

Batch 173659 **SampType:** MS Units **mg/L**

SampID: 21020332-011BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00529**	0.0050	0	105.9	75	125	02/08/2021

Batch 173659 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-011BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00525**	0.0050	0	104.9	0.005294	0.91	02/08/2021

Batch 173659 **SampType:** MS Units **mg/L**

SampID: 21020332-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00519**	0.0050	0	103.9	75	125	02/08/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

SW-846 7470A (TOTAL)

Batch 173659 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00523**	0.0050	0	104.6	0.005194	0.69	02/08/2021

Batch 173695 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173695

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	02/09/2021

Batch 173695 **SampType:** LCS Units **mg/L**

SampID: LCS-173695

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.6	85	115	02/09/2021

Batch 173695 **SampType:** MS Units **mg/L**

SampID: 21020332-017BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00490**	0.0050	0	98.1	75	125	02/09/2021

Batch 173695 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21020332-017BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00480**	0.0050	0	96.0	0.004904	2.09	02/09/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173615 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173615

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/04/2021
Acenaphthylene		0.000100		**ND**						02/04/2021
Anthracene		0.000300		**ND**						02/04/2021
Benzo(a)anthracene		0.000100		**ND**						02/04/2021
Benzo(a)pyrene		0.000200		**ND**						02/04/2021
Benzo(b)fluoranthene		0.000100		**ND**						02/04/2021
Benzo(g,h,i)perylene		0.000200		**ND**						02/04/2021
Benzo(k)fluoranthene		0.000100		**ND**						02/04/2021
Chrysene		0.000100		**ND**						02/04/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						02/04/2021
Fluoranthene		0.000300		**ND**						02/04/2021
Fluorene		0.000200		**ND**						02/04/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/04/2021
Naphthalene		0.000400		**ND**						02/04/2021
Phenanthrene		0.000600		**ND**						02/04/2021
Pyrene		0.000200		**ND**						02/04/2021
Surr: 2-Fluorobiphenyl	*			**0.000670**	0.0010		67.0	48.6	99	02/04/2021
Surr: Nitrobenzene-d5	*			**0.000715**	0.0010		71.5	54.3	107	02/04/2021
Surr: p-Terphenyl-d14	*			**0.000952**	0.0010		95.2	64	128	02/04/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173615 **SampType:** LCS Units **mg/L**

SampID: LCS-173615

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00153**	0.0020	0	76.5	54.7	110	02/04/2021
Acenaphthylene		0.000100		**0.00164**	0.0020	0	82.2	56.2	116	02/04/2021
Anthracene		0.000300		**0.00163**	0.0020	0	81.6	55.3	113	02/04/2021
Benzo(a)anthracene		0.000100		**0.00170**	0.0020	0	85.1	54.6	112	02/04/2021
Benzo(a)pyrene		0.000200		**0.00180**	0.0020	0	89.8	57.2	118	02/04/2021
Benzo(b)fluoranthene		0.000100		**0.00183**	0.0020	0	91.7	50.3	119	02/04/2021
Benzo(g,h,i)perylene		0.000200		**0.00181**	0.0020	0	90.7	59.3	122	02/04/2021
Benzo(k)fluoranthene		0.000100		**0.00183**	0.0020	0	91.6	58.8	114	02/04/2021
Chrysene		0.000100		**0.00172**	0.0020	0	86.0	58.9	113	02/04/2021
Dibenzo(a,h)anthracene		0.000200		**0.00195**	0.0020	0	97.5	50	134	02/04/2021
Fluoranthene		0.000300		**0.00177**	0.0020	0	88.6	61.2	114	02/04/2021
Fluorene		0.000200		**0.00171**	0.0020	0	85.5	61.6	110	02/04/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00187**	0.0020	0	93.7	54.3	128	02/04/2021
Naphthalene		0.000400		**0.00153**	0.0020	0	76.3	51.7	105	02/04/2021
Phenanthrene		0.000600		**0.00168**	0.0020	0	84.1	60.9	121	02/04/2021
Pyrene		0.000200		**0.00169**	0.0020	0	84.5	59.1	114	02/04/2021
Surr: 2-Fluorobiphenyl	*			**0.000727**	0.0010		72.7	48.6	99	02/04/2021
Surr: Nitrobenzene-d5	*			**0.000846**	0.0010		84.6	54.3	107	02/04/2021
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		105.5	64	128	02/04/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173615 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-173615

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00153**	0.0020	0	76.6	0.001529	0.22	02/05/2021
Acenaphthylene		0.000100		**0.00174**	0.0020	0	87.2	0.001645	5.90	02/05/2021
Anthracene		0.000300		**0.00186**	0.0020	0	92.8	0.001632	12.76	02/05/2021
Benzo(a)anthracene		0.000100		**0.00175**	0.0020	0	87.4	0.001702	2.70	02/05/2021
Benzo(a)pyrene		0.000200		**0.00183**	0.0020	0	91.4	0.001795	1.85	02/05/2021
Benzo(b)fluoranthene		0.000100		**0.00184**	0.0020	0	91.9	0.001833	0.24	02/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00173**	0.0020	0	86.6	0.001813	4.62	02/05/2021
Benzo(k)fluoranthene		0.000100		**0.00184**	0.0020	0	92.0	0.001831	0.44	02/05/2021
Chrysene		0.000100		**0.00170**	0.0020	0	85.2	0.001720	0.89	02/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00185**	0.0020	0	92.7	0.001951	5.12	02/05/2021
Fluoranthene		0.000300		**0.00183**	0.0020	0	91.6	0.001773	3.29	02/05/2021
Fluorene		0.000200		**0.00179**	0.0020	0	89.4	0.001710	4.41	02/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00185**	0.0020	0	92.5	0.001873	1.26	02/05/2021
Naphthalene		0.000400		**0.00151**	0.0020	0	75.4	0.001527	1.18	02/05/2021
Phenanthrene		0.000600		**0.00177**	0.0020	0	88.5	0.001682	5.12	02/05/2021
Pyrene		0.000200		**0.00187**	0.0020	0	93.6	0.001691	10.19	02/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000703**	0.0010		70.3			02/05/2021
Surr: Nitrobenzene-d5	*			**0.000800**	0.0010		80.0			02/05/2021
Surr: p-Terphenyl-d14	*			**0.00104**	0.0010		104.3			02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173615 **SampType:** MS Units **mg/L**

SampID: 21020332-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00139**	0.0020	0	69.7	28.3	133	02/06/2021
Acenaphthylene		0.000100		**0.00149**	0.0020	0	74.5	5	176	02/06/2021
Anthracene		0.000300		**0.00156**	0.0020	0	77.8	34.6	131	02/06/2021
Benzo(a)anthracene		0.000100		**0.00150**	0.0020	0	75.1	40.3	132	02/06/2021
Benzo(a)pyrene		0.000200		**0.00155**	0.0020	0	77.5	40.8	132	02/06/2021
Benzo(b)fluoranthene		0.000100		**0.00162**	0.0020	0	80.8	41.9	132	02/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00152**	0.0020	0	75.9	46	132	02/06/2021
Benzo(k)fluoranthene		0.000100		**0.00161**	0.0020	0	80.4	49.4	126	02/06/2021
Chrysene		0.000100		**0.00146**	0.0020	0	73.1	46.1	129	02/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00160**	0.0020	0	80.0	42.1	146	02/06/2021
Fluoranthene		0.000300		**0.00160**	0.0020	0	79.8	23.9	164	02/06/2021
Fluorene		0.000200		**0.00150**	0.0020	0	75.1	24.3	148	02/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00157**	0.0020	0	78.7	26.6	157	02/06/2021
Naphthalene		0.000400		**0.00149**	0.0020	0	74.4	24.2	132	02/06/2021
Phenanthrene		0.000600		**0.00148**	0.0020	0	74.1	36.6	139	02/06/2021
Pyrene		0.000200		**0.00156**	0.0020	0	77.8	14.6	169	02/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000679**	0.0010		67.9	21.4	142	02/06/2021
Surr: Nitrobenzene-d5	*			**0.000760**	0.0010		76.0	15	163	02/06/2021
Surr: p-Terphenyl-d14	*			**0.000970**	0.0010		97.0	10	173	02/06/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173615 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 21020332-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00148**	0.0020	0	73.9	0.001394	5.82	02/06/2021
Acenaphthylene		0.000100		**0.00166**	0.0020	0	82.8	0.001491	10.48	02/06/2021
Anthracene		0.000300		**0.00164**	0.0020	0	81.8	0.001556	4.95	02/06/2021
Benzo(a)anthracene		0.000100		**0.00159**	0.0020	0	79.7	0.001502	5.93	02/06/2021
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.0	0.001550	8.00	02/06/2021
Benzo(b)fluoranthene		0.000100		**0.00178**	0.0020	0	89.2	0.001616	9.89	02/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00164**	0.0020	0	82.2	0.001518	8.02	02/06/2021
Benzo(k)fluoranthene		0.000100		**0.00170**	0.0020	0	85.1	0.001608	5.71	02/06/2021
Chrysene		0.000100		**0.00159**	0.0020	0	79.7	0.001463	8.63	02/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00171**	0.0020	0	85.3	0.001599	6.45	02/06/2021
Fluoranthene		0.000300		**0.00165**	0.0020	0	82.7	0.001595	3.67	02/06/2021
Fluorene		0.000200		**0.00163**	0.0020	0	81.6	0.001503	8.19	02/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00166**	0.0020	0	83.1	0.001574	5.41	02/06/2021
Naphthalene		0.000400		**0.00159**	0.0020	0	79.5	0.001487	6.68	02/06/2021
Phenanthrene		0.000600		**0.00160**	0.0020	0	80.1	0.001481	7.88	02/06/2021
Pyrene		0.000200		**0.00163**	0.0020	0	81.4	0.001557	4.42	02/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000721**	0.0010		72.1			02/06/2021
Surr: Nitrobenzene-d5	*			**0.000758**	0.0010		75.8			02/06/2021
Surr: p-Terphenyl-d14	*			**0.000963**	0.0010		96.3			02/06/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173625 **SampType:** MBLK Units **mg/L**

SampID: MBLK-173625

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/05/2021
Acenaphthylene		0.000100		**ND**						02/05/2021
Anthracene		0.000300		**ND**						02/05/2021
Benzo(a)anthracene		0.000100		**ND**						02/05/2021
Benzo(a)pyrene		0.000200		**ND**						02/05/2021
Benzo(b)fluoranthene		0.000100		**ND**						02/05/2021
Benzo(g,h,i)perylene		0.000200		**ND**						02/05/2021
Benzo(k)fluoranthene		0.000100		**ND**						02/05/2021
Chrysene		0.000100		**ND**						02/05/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						02/05/2021
Fluoranthene		0.000300		**ND**						02/05/2021
Fluorene		0.000200		**ND**						02/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/05/2021
Naphthalene		0.000400		**ND**						02/05/2021
Phenanthrene		0.000600		**ND**						02/05/2021
Pyrene		0.000200		**ND**						02/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000525**	0.0010		52.5	48.6	99	02/05/2021
Surr: Nitrobenzene-d5	*			**0.000684**	0.0010		68.4	54.3	107	02/05/2021
Surr: p-Terphenyl-d14	*			**0.000895**	0.0010		89.5	64	128	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173625 **SampType:** LCS Units **mg/L**

SampID: LCS-173625

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00150**	0.0020	0	75.2	54.7	110	02/05/2021
Acenaphthylene		0.000100		**0.00154**	0.0020	0	76.9	56.2	116	02/05/2021
Anthracene		0.000300		**0.00163**	0.0020	0	81.7	55.3	113	02/05/2021
Benzo(a)anthracene		0.000100		**0.00167**	0.0020	0	83.6	54.6	112	02/05/2021
Benzo(a)pyrene		0.000200		**0.00171**	0.0020	0	85.3	57.2	118	02/05/2021
Benzo(b)fluoranthene		0.000100		**0.00175**	0.0020	0	87.3	50.3	119	02/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00167**	0.0020	0	83.7	59.3	122	02/05/2021
Benzo(k)fluoranthene		0.000100		**0.00167**	0.0020	0	83.4	58.8	114	02/05/2021
Chrysene		0.000100		**0.00161**	0.0020	0	80.6	58.9	113	02/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00179**	0.0020	0	89.7	50	134	02/05/2021
Fluoranthene		0.000300		**0.00174**	0.0020	0	87.0	61.2	114	02/05/2021
Fluorene		0.000200		**0.00163**	0.0020	0	81.5	61.6	110	02/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00176**	0.0020	0	88.2	54.3	128	02/05/2021
Naphthalene		0.000400		**0.00155**	0.0020	0	77.7	51.7	105	02/05/2021
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.7	60.9	121	02/05/2021
Pyrene		0.000200		**0.00163**	0.0020	0	81.3	59.1	114	02/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000668**	0.0010		66.8	48.6	99	02/05/2021
Surr: Nitrobenzene-d5	*			**0.000802**	0.0010		80.2	54.3	107	02/05/2021
Surr: p-Terphenyl-d14	*			**0.000963**	0.0010		96.3	64	128	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173625 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-173625

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00153**	0.0020	0	76.4	0.001503	1.62	02/05/2021
Acenaphthylene		0.000100		**0.00156**	0.0020	0	78.0	0.001538	1.37	02/05/2021
Anthracene		0.000300		**0.00165**	0.0020	0	82.3	0.001634	0.69	02/05/2021
Benzo(a)anthracene		0.000100		**0.00166**	0.0020	0	83.2	0.001671	0.37	02/05/2021
Benzo(a)pyrene		0.000200		**0.00170**	0.0020	0	84.8	0.001706	0.56	02/05/2021
Benzo(b)fluoranthene		0.000100		**0.00178**	0.0020	0	88.8	0.001747	1.69	02/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00162**	0.0020	0	81.0	0.001674	3.25	02/05/2021
Benzo(k)fluoranthene		0.000100		**0.00166**	0.0020	0	83.0	0.001669	0.47	02/05/2021
Chrysene		0.000100		**0.00162**	0.0020	0	81.2	0.001611	0.72	02/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00173**	0.0020	0	86.5	0.001794	3.59	02/05/2021
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.1	0.001741	1.07	02/05/2021
Fluorene		0.000200		**0.00163**	0.0020	0	81.7	0.001630	0.22	02/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00172**	0.0020	0	85.8	0.001765	2.77	02/05/2021
Naphthalene		0.000400		**0.00159**	0.0020	0	79.5	0.001553	2.32	02/05/2021
Phenanthrene		0.000600		**0.00168**	0.0020	0	84.0	0.001674	0.42	02/05/2021
Pyrene		0.000200		**0.00161**	0.0020	0	80.7	0.001626	0.70	02/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000673**	0.0010		67.3			02/05/2021
Surr: Nitrobenzene-d5	*			**0.000811**	0.0010		81.1			02/05/2021
Surr: p-Terphenyl-d14	*			**0.000957**	0.0010		95.7			02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173625 **SampType:** MS Units **mg/L**

SampID: 21020332-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00154**	0.0020	0	77.0	28.3	133	02/05/2021
Acenaphthylene		0.000100		**0.00154**	0.0020	0	77.1	5	176	02/05/2021
Anthracene		0.000300		**0.00164**	0.0020	0	81.8	34.6	131	02/05/2021
Benzo(a)anthracene		0.000100		**0.00165**	0.0020	0	82.3	40.3	132	02/05/2021
Benzo(a)pyrene		0.000200		**0.00170**	0.0020	0	85.0	40.8	132	02/05/2021
Benzo(b)fluoranthene		0.000100		**0.00174**	0.0020	0	87.2	41.9	132	02/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00230**	0.0020	0	115.0	46	132	02/05/2021
Benzo(k)fluoranthene		0.000100		**0.00166**	0.0020	0	82.9	49.4	126	02/05/2021
Chrysene		0.000100		**0.00160**	0.0020	0	80.0	46.1	129	02/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00241**	0.0020	0	120.3	42.1	146	02/05/2021
Fluoranthene		0.000300		**0.00172**	0.0020	0	86.0	23.9	164	02/05/2021
Fluorene		0.000200		**0.00164**	0.0020	0	82.1	24.3	148	02/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00238**	0.0020	0	119.1	26.6	157	02/05/2021
Naphthalene		0.000400		**0.00159**	0.0020	0	79.7	24.2	132	02/05/2021
Phenanthrene		0.000600		**0.00163**	0.0020	0	81.5	36.6	139	02/05/2021
Pyrene		0.000200		**0.00161**	0.0020	0	80.4	14.6	169	02/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000693**	0.0010		69.3	21.4	142	02/05/2021
Surr: Nitrobenzene-d5	*			**0.000826**	0.0010		82.6	15	163	02/05/2021
Surr: p-Terphenyl-d14	*			**0.00101**	0.0010		101.1	10	173	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173625 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 21020332-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00160**	0.0020	0	79.9	0.001539	3.77	02/06/2021
Acenaphthylene		0.000100		**0.00161**	0.0020	0	80.4	0.001542	4.25	02/06/2021
Anthracene		0.000300		**0.00171**	0.0020	0	85.3	0.001636	4.12	02/06/2021
Benzo(a)anthracene		0.000100		**0.00168**	0.0020	0	84.1	0.001646	2.15	02/06/2021
Benzo(a)pyrene		0.000200		**0.00166**	0.0020	0	83.0	0.001700	2.42	02/06/2021
Benzo(b)fluoranthene		0.000100		**0.00173**	0.0020	0	86.5	0.001745	0.80	02/06/2021
Benzo(g,h,i)perylene		0.000200	R	**0.00148**	0.0020	0	73.8	0.002299	43.57	02/06/2021
Benzo(k)fluoranthene		0.000100		**0.00161**	0.0020	0	80.6	0.001659	2.85	02/06/2021
Chrysene		0.000100		**0.00161**	0.0020	0	80.5	0.001600	0.64	02/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00164**	0.0020	0	82.2	0.002405	37.57	02/06/2021
Fluoranthene		0.000300	R	**0.00279**	0.0020	0	139.7	0.001721	47.53	02/06/2021
Fluorene		0.000200		**0.00172**	0.0020	0	85.8	0.001642	4.43	02/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00162**	0.0020	0	81.0	0.002383	38.06	02/06/2021
Naphthalene		0.000400		**0.00174**	0.0020	0	87.0	0.001594	8.84	02/06/2021
Phenanthrene		0.000600		**0.00169**	0.0020	0	84.7	0.001630	3.85	02/06/2021
Pyrene		0.000200		**0.00223**	0.0020	0	111.5	0.001607	32.46	02/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000579**	0.0010		57.9			02/06/2021
Surr: Nitrobenzene-d5	*			**0.00106**	0.0010		105.9			02/06/2021
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.1			02/06/2021

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

Batch 173581 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AK210204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/04/2021
Ethylbenzene	*	2.0		**ND**						02/04/2021
Toluene	*	2.0		**ND**						02/04/2021
Xylenes, Total	*	4.0		**ND**						02/04/2021
Surr: 1,2-Dichloroethane-d4	*			**51.2**	50.00		102.4	80	120	02/04/2021
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.6	80	120	02/04/2021
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.1	80	120	02/04/2021
Surr: Toluene-d8	*			**51.1**	50.00		102.1	80	120	02/04/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173581 **SampType:** LCS Units µg/L

SampID: LCS-AK210204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.7**	50.00	0	95.5	78.5	119	02/04/2021
Ethylbenzene	*	2.0		**50.2**	50.00	0	100.4	78.2	114	02/04/2021
Toluene	*	2.0		**49.5**	50.00	0	98.9	78.6	112	02/04/2021
Xylenes, Total	*	4.0		**152**	150.0	0	101.3	78.3	114	02/04/2021
Surr: 1,2-Dichloroethane-d4	*			**50.3**	50.00		100.5	80	120	02/04/2021
Surr: 4-Bromofluorobenzene	*			**49.5**	50.00		98.9	80	120	02/04/2021
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.5	80	120	02/04/2021
Surr: Toluene-d8	*			**50.6**	50.00		101.3	80	120	02/04/2021

Batch 173581 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AK210204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.5**	50.00	0	93.0	47.74	2.67	02/04/2021
Ethylbenzene	*	2.0		**48.8**	50.00	0	97.7	50.22	2.81	02/04/2021
Toluene	*	2.0		**48.2**	50.00	0	96.4	49.46	2.56	02/04/2021
Xylenes, Total	*	4.0		**147**	150.0	0	98.3	151.9	2.99	02/04/2021
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.9			02/04/2021
Surr: 4-Bromofluorobenzene	*			**49.5**	50.00		99.0			02/04/2021
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.3			02/04/2021
Surr: Toluene-d8	*			**50.6**	50.00		101.3			02/04/2021

Batch 173635 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210205A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/05/2021
Ethylbenzene	*	2.0		**ND**						02/05/2021
Toluene	*	2.0		**ND**						02/05/2021
Xylenes, Total	*	4.0		**ND**						02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**52.3**	50.00		104.6	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.4	80	120	02/05/2021
Surr: Toluene-d8	*			**50.7**	50.00		101.4	80	120	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173635 **SampType:** LCS Units µg/L

SampID: LCS-AK210205A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**48.2**	50.00	0	96.4	78.5	119	02/05/2021
Ethylbenzene	*	2.0		**49.6**	50.00	0	99.3	78.2	114	02/05/2021
Toluene	*	2.0		**49.3**	50.00	0	98.5	78.6	112	02/05/2021
Xylenes, Total	*	4.0		**150**	150.0	0	99.9	78.3	114	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**50.8**	50.00		101.5	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.8	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.3	80	120	02/05/2021
Surr: Toluene-d8	*			**50.2**	50.00		100.5	80	120	02/05/2021

Batch 173635 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AK210205A-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	97.6	48.18	1.26	02/05/2021
Ethylbenzene	*	2.0		**50.5**	50.00	0	101.1	49.63	1.80	02/05/2021
Toluene	*	2.0		**50.0**	50.00	0	100.1	49.26	1.57	02/05/2021
Xylenes, Total	*	4.0		**153**	150.0	0	101.7	149.8	1.86	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.4			02/05/2021
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.1			02/05/2021
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.3			02/05/2021
Surr: Toluene-d8	*			**50.5**	50.00		101.0			02/05/2021

Batch 173635 **SampType:** MS Units µg/L

SampID: 21020332-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**49.6**	50.00	0	99.2	72	120	02/05/2021
Ethylbenzene		2.0		**51.2**	50.00	0	102.3	74.8	115	02/05/2021
Toluene		2.0		**49.5**	50.00	0	99.0	70.6	109	02/05/2021
Xylenes, Total		4.0		**99.7**	100.0	0	99.7	72.1	113	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**52.3**	50.00		104.5	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**49.8**	50.00		99.6	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.0	80	120	02/05/2021
Surr: Toluene-d8	*			**50.6**	50.00		101.2	80	120	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173635 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 21020332-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**50.6**	50.00	0	101.3	49.59	2.08	02/05/2021
Ethylbenzene		2.0		**52.9**	50.00	0	105.8	51.16	3.38	02/05/2021
Toluene		2.0		**51.1**	50.00	0	102.2	49.52	3.18	02/05/2021
Xylenes, Total		4.0		**103**	100.0	0	102.8	99.74	3.04	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**52.2**	50.00		104.4			02/05/2021
Surr: 4-Bromofluorobenzene	*			**50.9**	50.00		101.7			02/05/2021
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.6			02/05/2021
Surr: Toluene-d8	*			**50.7**	50.00		101.3			02/05/2021

Batch 173639 **SampType:** MBLK Units µg/L

SampID: MBLK-AM210205A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/05/2021
Ethylbenzene	*	2.0		**ND**						02/05/2021
Toluene	*	2.0		**ND**						02/05/2021
Xylenes, Total	*	4.0		**ND**						02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.3**	50.00		102.6	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**50.6**	50.00		101.2	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0	80	120	02/05/2021
Surr: Toluene-d8	*			**49.2**	50.00		98.5	80	120	02/05/2021

Batch 173639 **SampType:** LCS Units µg/L

SampID: LCS-AM210205A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.4**	50.00	0	94.9	78.5	119	02/05/2021
Ethylbenzene	*	2.0		**47.5**	50.00	0	95.1	78.2	114	02/05/2021
Toluene	*	2.0		**48.0**	50.00	0	96.0	78.6	112	02/05/2021
Xylenes, Total	*	4.0		**147**	150.0	0	98.1	78.3	114	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.3	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**46.3**	50.00		92.7	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.6	80	120	02/05/2021
Surr: Toluene-d8	*			**50.0**	50.00		100.0	80	120	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173639 **SampType:** LCSD Units µg/L RPD Limit 15.9

SampID: LCSD-AM210205A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**47.2**	50.00	0	94.4	47.45	0.53	02/05/2021
Ethylbenzene	*	2.0		**47.1**	50.00	0	94.2	47.53	0.87	02/05/2021
Toluene	*	2.0		**47.0**	50.00	0	94.0	47.99	2.13	02/05/2021
Xylenes, Total	*	4.0		**145**	150.0	0	96.4	147.2	1.79	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.5			02/05/2021
Surr: 4-Bromofluorobenzene	*			**47.1**	50.00		94.1			02/05/2021
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.1			02/05/2021
Surr: Toluene-d8	*			**49.5**	50.00		99.0			02/05/2021

Batch 173672 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210205A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/05/2021
Ethylbenzene	*	2.0		**ND**						02/05/2021
Toluene	*	2.0		**ND**						02/05/2021
Xylenes, Total	*	4.0		**ND**						02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**52.8**	50.00		105.6	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**50.8**	50.00		101.7	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.9	80	120	02/05/2021
Surr: Toluene-d8	*			**50.6**	50.00		101.1	80	120	02/05/2021

Batch 173672 **SampType:** LCS Units µg/L

SampID: LCS-AK210205A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**46.4**	50.00	0	92.7	78.5	119	02/05/2021
Ethylbenzene	*	2.0		**47.1**	50.00	0	94.2	78.2	114	02/05/2021
Toluene	*	2.0		**46.9**	50.00	0	93.8	78.6	112	02/05/2021
Xylenes, Total	*	4.0		**142**	150.0	0	94.9	78.3	114	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.4**	50.00		102.8	80	120	02/05/2021
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.9	80	120	02/05/2021
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.4	80	120	02/05/2021
Surr: Toluene-d8	*			**50.3**	50.00		100.6	80	120	02/05/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173672 **SampType:** LCSD Units µg/L RPD Limit 15.9

SampID: LCSD-AK210205A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**47.6**	50.00	0	95.1	46.35	2.58	02/05/2021
Ethylbenzene	*	2.0		**48.7**	50.00	0	97.4	47.11	3.30	02/05/2021
Toluene	*	2.0		**48.4**	50.00	0	96.9	46.89	3.23	02/05/2021
Xylenes, Total	*	4.0		**146**	150.0	0	97.6	142.4	2.81	02/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.5**	50.00		103.0			02/05/2021
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.1			02/05/2021
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.2			02/05/2021
Surr: Toluene-d8	*			**50.4**	50.00		100.8			02/05/2021

Batch 173717 **SampType:** MBLK Units µg/L

SampID: MBLK-AM210208A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/09/2021
Ethylbenzene	*	2.0		**ND**						02/09/2021
Toluene	*	2.0		**ND**						02/09/2021
Xylenes, Total	*	4.0		**ND**						02/09/2021
Surr: 1,2-Dichloroethane-d4	*			**47.4**	50.00		94.7	80	120	02/09/2021
Surr: 4-Bromofluorobenzene	*			**43.3**	50.00		86.7	80	120	02/09/2021
Surr: Dibromofluoromethane	*			**46.0**	50.00		92.0	80	120	02/09/2021
Surr: Toluene-d8	*			**50.3**	50.00		100.7	80	120	02/09/2021

Batch 173717 **SampType:** LCS Units µg/L

SampID: LCS-AM210208A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**44.0**	50.00	0	88.0	78.5	119	02/08/2021
Ethylbenzene	*	2.0		**49.1**	50.00	0	98.2	78.2	114	02/08/2021
Toluene	*	2.0		**52.1**	50.00	0	104.2	78.6	112	02/08/2021
Xylenes, Total	*	4.0		**150**	150.0	0	100.1	78.3	114	02/08/2021
Surr: 1,2-Dichloroethane-d4	*			**46.2**	50.00		92.5	80	120	02/08/2021
Surr: 4-Bromofluorobenzene	*			**41.5**	50.00		83.0	80	120	02/08/2021
Surr: Dibromofluoromethane	*			**44.1**	50.00		88.2	80	120	02/08/2021
Surr: Toluene-d8	*			**51.4**	50.00		102.8	80	120	02/08/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173717 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-AM210208A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**41.7**	50.00	0	83.4	43.98	5.37	02/09/2021
Ethylbenzene	*	2.0		**39.8**	50.00	0	79.7	49.08	20.76	02/09/2021
Toluene	*	2.0	R	**40.1**	50.00	0	80.1	52.10	26.10	02/09/2021
Xylenes, Total	*	4.0	R	**123**	150.0	0	82.2	150.1	19.55	02/09/2021
Surr: 1,2-Dichloroethane-d4	*			**44.8**	50.00		89.5			02/09/2021
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.3			02/09/2021
Surr: Dibromofluoromethane	*			**47.5**	50.00		95.0			02/09/2021
Surr: Toluene-d8	*			**45.5**	50.00		90.9			02/09/2021

Batch 173717 **SampType:** LCSG Units **%REC**

SampID: LCSG-AM210208A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**45.6**	50.00		91.1	80	120	02/08/2021
Surr: 4-Bromofluorobenzene	*			**46.5**	50.00		92.9	80	120	02/08/2021
Surr: Dibromofluoromethane	*			**45.3**	50.00		90.5	80	120	02/08/2021
Surr: Toluene-d8	*			**51.3**	50.00		102.6	80	120	02/08/2021

Batch 173717 **SampType:** LCSGD Units **%REC** RPD Limit **0**

SampID: LCSGD-AM210208A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**51.9**	50.00		103.9			02/08/2021
Surr: 4-Bromofluorobenzene	*			**53.4**	50.00		106.7			02/08/2021
Surr: Dibromofluoromethane	*			**51.8**	50.00		103.5			02/08/2021
Surr: Toluene-d8	*			**53.0**	50.00		105.9			02/08/2021

Batch 173717 **SampType:** MS Units **µg/L**

SampID: 21020332-027DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**45.3**	50.00	0	90.5	72	120	02/09/2021
Ethylbenzene		2.0		**45.3**	50.00	0	90.6	74.8	115	02/09/2021
Toluene		2.0		**42.7**	50.00	0	85.4	70.6	109	02/09/2021
Xylenes, Total		4.0		**84.2**	100.0	0	84.2	72.1	113	02/09/2021
Surr: 1,2-Dichloroethane-d4	*			**49.1**	50.00		98.2	80	120	02/09/2021
Surr: 4-Bromofluorobenzene	*			**48.5**	50.00		96.9	80	120	02/09/2021
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.6	80	120	02/09/2021
Surr: Toluene-d8	*			**46.9**	50.00		93.7	80	120	02/09/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173717 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 21020332-027DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**43.9**	50.00	0	87.8	45.26	3.10	02/09/2021
Ethylbenzene		2.0		**48.4**	50.00	0	96.7	45.32	6.51	02/09/2021
Toluene		2.0		**47.6**	50.00	0	95.2	42.68	10.88	02/09/2021
Xylenes, Total		4.0		**95.3**	100.0	0	95.3	84.19	12.34	02/09/2021
Surr: 1,2-Dichloroethane-d4	*			**44.6**	50.00		89.1			02/09/2021
Surr: 4-Bromofluorobenzene	*			**50.7**	50.00		101.4			02/09/2021
Surr: Dibromofluoromethane	*			**44.7**	50.00		89.5			02/09/2021
Surr: Toluene-d8	*			**50.4**	50.00		100.8			02/09/2021

Batch 173797 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210210A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/10/2021
Ethylbenzene	*	2.0		**ND**						02/10/2021
Toluene	*	2.0		**ND**						02/10/2021
Xylenes, Total	*	4.0		**ND**						02/10/2021
Surr: 1,2-Dichloroethane-d4	*			**52.8**	50.00		105.6	80	120	02/10/2021
Surr: 4-Bromofluorobenzene	*			**51.0**	50.00		102.0	80	120	02/10/2021
Surr: Dibromofluoromethane	*			**49.5**	50.00		99.1	80	120	02/10/2021
Surr: Toluene-d8	*			**50.3**	50.00		100.6	80	120	02/10/2021

Batch 173797 **SampType:** LCS Units µg/L

SampID: LCS-AK210210A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**45.3**	50.00	0	90.6	78.5	119	02/10/2021
Ethylbenzene	*	2.0		**45.4**	50.00	0	90.8	78.2	114	02/10/2021
Toluene	*	2.0		**45.4**	50.00	0	90.8	78.6	112	02/10/2021
Xylenes, Total	*	4.0		**138**	150.0	0	91.8	78.3	114	02/10/2021
Surr: 1,2-Dichloroethane-d4	*			**51.8**	50.00		103.5	80	120	02/10/2021
Surr: 4-Bromofluorobenzene	*			**49.7**	50.00		99.5	80	120	02/10/2021
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.8	80	120	02/10/2021
Surr: Toluene-d8	*			**50.2**	50.00		100.3	80	120	02/10/2021

Client: ERM **Work Order:** 21020332

Client Project: Champaign GW **Report Date:** 11-Feb-21

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

Batch 173797 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-AK210210A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**43.6**	50.00	0	87.2	45.29	3.76	02/10/2021
Ethylbenzene	*	2.0		**43.7**	50.00	0	87.4	45.38	3.79	02/10/2021
Toluene	*	2.0		**44.0**	50.00	0	88.1	45.41	3.06	02/10/2021
Xylenes, Total	*	4.0		**133**	150.0	0	88.6	137.7	3.61	02/10/2021
Surr: 1,2-Dichloroethane-d4	*			**51.4**	50.00		102.8			02/10/2021
Surr: 4-Bromofluorobenzene	*			**49.7**	50.00		99.4			02/10/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0			02/10/2021
Surr: Toluene-d8	*			**50.3**	50.00		100.6			02/10/2021

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21020332
Report Date: 11-Feb-21

Carrier: Michael Abegg

Received By: PRY

Completed by: Emily Pohlman
On: 04-Feb-21

Reviewed by: Elizabeth A. Hurley
On: 04-Feb-21

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 2.6
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 #75146/74446. - epohlman - 2/4/2021 1:21:03 PM

Additional sodium hydroxide (74593) was needed in all samples except UMW-124, UMW-127, DUP-001, and EB-01 upon arrival at the laboratory. 102 through 116, 118, 119, 122, 300, 302 and 307 (MS/MSD) did not reach the desired pH range with 2mL of preservative. - PRY/epohlman - 2/4/2021 1:21:16 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 2/4/2021 2:13:32 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 21020332

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

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

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 2.6 °C LTG# 3

Preserved in: ☑ LAB ☐ FIELD Zer3lfs EOP2/4/21 **FOR LAB USE ONLY**

Lab Notes: Add NaOH (74593) to all except UMW124, UMW127, Dup-001, EQB. pH# 75146 EOP2/4/21 ~~Samples~~ TEPA 2/4/21

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

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

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

Client Comments

cc Tom Stiegemeier

74446 Lower 0.0075 mg/L detection limit for Pb

Samples 102-116, 118, 119, 122, 300, 302, and MSMSD 2 did not preserve. PET 2/4/21

Project Name/Number	Sample Collector's Name
Champaign GW	Abess / Schmidt

Results Requested: ☑ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21020332-001	UMW-102-WG-20210202	2/2/21; 0900	1	1	1	2		X		X	X	X	X
-002	UMW-105-WG-20210203	2/3/21; 0945	1	1	1	2		X		X	X	X	X
-003	UMW-106R-WG-20210202	2/2/21; 1550	1	1	1	2		X		X	X	X	X
-004	UMW-107R-WG-20210202	2/2/21; 1350	1	1	1	2		X		X	X	X	X
-005	UMW-108-WG-20210203	2/3/21; 1535	1	1	1	2		X		X	X	X	X
-006	UMW-109-WG-20210202	2/2/21; 1245	1	1	1	2		X		X	X	X	X
-007	UMW-111A-WG-20210202	2/2/21; 1040	1	1	1	2		X		X	X	X	X
-008	UMW-116-WG-20210203	2/2/21; 1450	1	1	1	2		X		X	X	X	X
-009	UMW-117-WG-20210202	2/2/21; 1210	1	1	1	2		X		X	X	X	X
-010	UMW-118-WG-20210202	2/2/21; 1340	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Michael Abess (ERM)	2/4/21; 1200	[signature]	2/4/21 1200

BottleOrder: 63314

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 21020332

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

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

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 2.6 °C LTG# 3

Preserved in: ☑ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments See pg 1

cc Tom Stiegemeier

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Abess/ Schmidt

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21020332-011	UMW-119-WG-20210202	2/2/21; 1050	1	1	1	2		X		X	X	X	X
-012	UMW-120-WG-20210202	2/2/21; 0830	1	1	1	2		X		X	X	X	X
-013	UMW-121-WG-20210203	2/3/21; 1040	1	1	1	2		X		X	X	X	X
-014	UMW-122-WG-20210202	2/2/21; 1455	1	1	1	2		X		X	X	X	X
-015	UMW-123-WG-20210202	2/2/21; 1605	1	1	1	2		X		X	X	X	X
-016	UMW-124-WG-20210203	2/3/21; 1530	1	1	1	2		X		X	X	X	X
-017	UMW-125-WG-20210203	2/3/21; 0830	1	1	1	2		X		X	X	X	X
-018	UMW-126-WG-20210203	2/3/21; 1655	1	1	1	2		X		X	X	X	X
-019	UMW-127-WG-20210203	2/3/21; 1120	1	1	1	2		X		X	X	X	X
-020	UMW-300-WG-20210203	2/3/21; 1200	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Michael Abess (ERM)	2/4/21; 1200		2/4/21 1200

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: 63314

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 21020332

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

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

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 2.6 °C LTG# 3

Preserved in: ☑ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

cc Tom Stiegemeier See pg 1

*MS/MSD DUP 2/4/21

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Abess/ Schmidt

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21020332-021	UMW-301R-WG-202102**03**	2/3/21 ; 1315	1	1	1	2		X		X	X	X	X
-022	UMW-302-WG-202102**03**	2/3/21 ; 1645	1	1	1	2		X		X	X	X	X
-023	UMW-303-WG-202102**03**	2/3/21 ; 1315	1	1	1	2		X		X	X	X	X
-024	UMW-304R-WG-202102**03**	2/3/21 ; 1000	1	1	1	2		X		X	X	X	X
-025	UMW-305-WG-202102**03** *	2/3/21 ; 0810	1	1	1	2		X		X	X	X	X
-026	UMW-306-WG-202102**02**	2/2/21 ; 1715	1	1	1	2		X		X	X	X	X
-027	UMW-307-WG-202102**02** *	2/2/21 ; 1710	1	1	1	2		X		X	X	X	X
-028	UMW-308-WG-202102**03**	2/3/21 ; 1405	1	1	1	2		X		X	X	X	X
-029	DUP 001-WG-202102**03**	2/3/21	1	1	1	2		X		X	X	X	X
-030	DUP 002-WG-202102**03**	2/3/21	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Michael Abess (ERM)	2/4/21 ; 1700		2/4/21 1700

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: 63314

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 21020332

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

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

Samples on: ☑ ICE ☐ BLUE ICE ☐ NO ICE 2.6 °C LTG# 3

Preserved in: ☑ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments See PS 1.

cc Tom Stiegemeier

* on page 3. PTP 2/4/21

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Hess / Schmidt

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21020332-031	DUP 003-WG-20210203	2/3/21	1	1	1	2		X		X	X	X	X
-032	EB-01-WQ-20210203	2/3/21 ; 0730	1	1	1	2	X			X	X	X	X
-033	TB-01-WQ-20210203					2			X	X			
	~~EB-02-WQ-202102~~		1	1	1	2	X			X	X	X	X
	~~MW-307~~ NM												
	MW-307*-WG-20210202-MS MSD	2/2/21; 1410	2	1	1	4		X		X	X	X	X
	MW-305*-WG-20210203-MS MSD	2/3/21; 0810	2	1	1	4		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Michael Hess (ERM)	2/4/21 ; 1200		2/4/21 1200

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: 63314

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	05 March 2021
Reference	0543705
Subject	Data Review of Ameren Champaign Groundwater Samples First Quarter 2021: Teklab, Inc. Data Package 21020332.

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

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-20210203, UMW-125-WG-20210203, UMW-127-WG-20210203, UMW-302-WG-20210203, DUP-001-WG-20210203, and DUP-003-WG--20210203) was performed. The Stage 4 review included all of the QA/QC project and/or method-prescribed criteria for Stage 2B review plus:

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

CHAIN-OF-CUSTODY DISCREPANCIES

A collection date and time was not listed on the chain-of-custody for the trip blank sample. Teklab logged the sample in with the date and time of sample receipt as the collection date. No qualifications were necessary. The analysis of the trip blank sample still would be in hold if the time of the first field sample collected had been used.

HOLDING TIME AND PRESERVATION EVALUATION

The sample shipment was received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The samples had the correct chemical preservation, with the exception of 28 of the 32 samples for cyanide analysis. In these cases, the pH was less than 12 and the laboratory adjusted the pH with additional sodium hydroxide upon receipt. The pH for 14 of the 28 samples was within the requirement of greater than 12 after sodium hydroxide as added and no qualifications were applied to the samples. The pH did not reach greater than 12 for the remaining 14 samples after sodium hydroxide was added and these results were qualified as estimates (J for detects, UJ for non-detects) due to the preservation issue. The samples received with inadequate preservation are presented in Table 1.

BLANK EVALUATION

Naphthalene was detected in equipment blank sample EB-01-WQ-20210203 at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. The blank detection and associated data are presented in Table 2.

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

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.

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 exceptions presented in Table 3. No data were qualified based on high RPDs as both the LCS and LCSD recoveries were within laboratory limits.

MATRIX SPIKE EVALUATION

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries and RPDs were within the laboratory's limits of acceptance for project samples, with the exceptions presented in Table 3. No data were qualified based on high RPDs as both the MS and MSD recoveries were within laboratory limits.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits with the exceptions presented in Table 4. Data were not qualified as the dilution factors were 10 times or greater.

CALIBRATION RANGE EXCEEDANCES

The cyanide results for one MS/MSD sample pair exceeded the instrument calibration range as noted in Table 5. Since the calibration range exceedances were limited to MS/MSD samples and parent samples were not affected, no qualifications were applied.

INTERNAL STANDARD EVALUATION

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

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 6. 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 (if the reporting limits are not the same between the parent and field duplicate samples, professional judgement was used for the control limit determination). The cyanide results in sample pair UMW-302-WG-20210203/DUP-003-WG-20210203 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

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

Table 1
Samples with Exceeded Preservation Requirements
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
21020332	UMW-117-WG-20210202	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and sample was successfully preserved.	--
	UMW-120-WG-20210202					--
	UMW-121-WG-20210203					--
	UMW-123-WG-20210202					--
	UMW-125-WG-20210203					--
	UMW-126-WG-20210203					--
	UMW-301R-WG-20210203					--
	UMW-303-WG-20210203					--
	UMW-304R-WG-20210203					--
	UMW-305-WG-20210203					--
	UMW-306-WG-20210202					--
	UMW-308-WG-20210203					--
	DUP-002-WG-20210203					--
	DUP-003-WG--20210203					--

Table 1
Samples with Exceeded Preservation Requirements
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
21020332	UMW-102-WG-20210202	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and sample did not reach pH > 12 with 2mL of preservative.	UJ
	UMW-105-WG-20210203					J
	UMW-106R-WG-20210202					J
	UMW-107R-WG-20210202					J
	UMW-108-WG-20210203					J
	UMW-109-WG-20210202					J
	UMW-111A-WG-20210202					UJ
	UMW-116-WG-20210202					UJ
	UMW-118-WG-20210202					J
	UMW-119-WG-20210202					J
	UMW-122-WG-20210202					J
	UMW-300-WG-20210203					UJ
	UMW-302-WG-20210203					J
	UMW-307-WG-20210202					J

Lab package reviewed: 21020332

Notes:

J = Estimated detected result

UJ = Nondetected, estimated report limit

Table 2
Blank and Associated Suspect Sample Detections
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Blank ID	Detected Analyte	Reported Blank Concentration	Blank Report Limit	Associated Sample	Associated Sample Result	Associated Sample Report Limit	Units	ERM Qualifier
21020332	EB-01-WQ-20210203	Naphthalene	0.00385	0.000400	UMW-125-WG-20210203	0.000878	0.000400	mg/L	0.000878 U
					UMW-127-WG-20210203	0.00150	0.000400	mg/L	0.00150 U
					UMW-303-WG-20210203	0.000419	0.000400	mg/L	0.000419 U

Lab package reviewed: 21020332

Notes:
EB = Equipment blank
mg/L = Milligrams per liter
U = Nondetected

Table 3
Spike Recoveries Outside of Acceptable Limits
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
LCS/LCSD										
21020332	LCS-AM210208A-2/ LCSD-AM210208A-2	None for qualification	Toluene	104.2/80.1	78.6-112	26.10	15.9	--	--	--
			Xylenes, Total	100.1/82.2	78.3-114	19.55	15.9	--	--	--
MS/MSD										
21020332	UMW-307-WG-20210202 MS/MSD	UMW-307-WG-20210202	Benzo(g,h,i)perylene	115.0/73.8	46-132	43.57	40	--	--	--
			Fluoranthene	86.0/139.7	23.9-164	47.53	40	--	--	--

Lab package reviewed: 21020332

Notes:
LCS/LCSD = Laboratory control sample/laboratory control sample duplicate
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

Table 4
Surrogate Recovery Results out of Acceptable Limits
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
21020332	UMW-302-WG-20210203	8270C	2-Fluorobiphenyl	160	21.4-142	None for qualification	1000	--
			Nitrobenzene-d5	340	15-163		1000	--
	DUP-003-WG--20210203	8270C	Nitrobenzene-d5	240	15-163	None for qualification	1000	--

Lab package reviewed: 21020332

Table 5
Calibration Range Exceedances
First Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
21020332	UMW-307-WG-20210202 MS	Cyanide	0.053	mg/L	--
	UMW-307-WG-20210202 MSD		0.053	mg/L	--

Lab package reviewed: 21020332

Notes:

mg/L = Milligrams per liter

MS = Matrix spike

MSD = Matrix spike duplicate

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
First Quarter 2021 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						
21020332	UMW-124-WG-20210203/ DUP 001-WG-20210203	Cyanide	0.008	0.008	0.005	0.005	0	0.010	mg/L	--	--	--
		Barium	0.0341	0.0347	0.0025	0.0025	--	--	mg/L	1.7	30	--
		Acenaphthene	0.000341	0.000325	0.000100	0.000100	0.000016	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000174	0.000177	0.000100	0.000100	0.000003	0.000200	mg/L	--	--	--
		Naphthalene	0.0265	0.0206	0.00400	0.0100	0.0059	0.0200	mg/L	--	--	--
		Benzene	52.6	51.9	0.5	0.5	--	--	µg/L	1.3	30	--
		Ethylbenzene	6.2	6.2	2.0	2.0	0	4.0	µg/L	--	--	--
		Toluene	35.0	35.0	2.0	2.0	--	--	µg/L	0	30	--
		Xylene, Total	18.6	18.8	4.0	4.0	0.2	8.0	µg/L	--	--	--
	UMW-126-WG-20210203/ DUP 002-WG-20210203	Barium	0.0224	0.0225	0.0025	0.0025	--	--	mg/L	0.45	30	--
		Benzene	3.3	3.3	0.5	0.5	--	--	µg/L	0	30	--

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
First Quarter 2021 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						
21020332	UMW-302-WG-20210203/ DUP 003-WG-20210203	Cyanide	0.175	0.104	0.025	0.025	0.071	0.050	mg/L	--	--	J
		Barium	0.0544	0.0540	0.0025	0.0025	--	--	mg/L	0.74	30	--
		Acenaphthene	0.000635	0.000698	0.000100	0.000100	--	--	mg/L	9.5	30	--
		Acenaphthylene	0.000450	0.000482	0.000100	0.000100	0.000032	0.000200	mg/L	--	--	--
		Naphthalene	2.26	2.34	0.400	0.400	--	--	mg/L	3.5	30	--
		Benzene	374	404	5.0	25.0	--	--	µg/L	7.7	30	--
		Ethylbenzene	786	796	20.0	100	--	--	µg/L	1.3	30	--
		Toluene	ND	6.3	20.0	2.0	6.3	40.0	µg/L	--	--	--
		Xylene, Total	223	227	40.0	200	4	80.0	µg/L	--	--	--

Lab package reviewed: 21020332

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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