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March 18, 2022

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

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

Dear Ms. Ambrose:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the first quarter 2022 groundwater sampling event at the Champaign Former Manufactured Gas Plant (Site), located at 308 North Fifth Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted from January 31, 2022 to February 2, 2022.

INTRODUCTION

Groundwater sampling activities for the first quarter 2022 monitoring event were conducted from January 31, 2022 through February 2, 2022. During the sampling event, groundwater samples were collected from 24 monitoring wells, which included seven on-site monitoring wells and 17 off-site monitoring wells. Due to the active remedial action along the Fifth Street Right-of-Way (ROW) to the adjacent west of the Site, shallow monitoring wells UMW-107R, UMW-108, and UMW-117, and intermediate monitoring well UMW-303 were abandoned following the fourth quarter monitoring event on November 4, 2021. Water well sealing forms for these abandoned monitoring wells were submitted to the Illinois Department of Public Health (IDPH) and the Champaign-Urbana Public Health District on November 15, 2021.

The depth to groundwater was initially measured at each monitoring well location on January 31, 2022, 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 to most impacted. The field parameters collected during sampling activities are summarized in Table 1.

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

Groundwater level measurement data for the first quarter 2022 monitoring event included the depth to water (DTW) below each monitoring well's top of casing (TOC) and calculated groundwater elevation, which are provided in Table 2. Groundwater elevation contour maps for the shallow monitoring zone (100 series wells) and the intermediate depth unit (300 series wells) are provided on Figures 1 and 2, respectively.

The analytical results for groundwater samples collected during the event are summarized in Table 3. The concentrations reported in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater remediation objective (RO) are highlighted. The monitoring well locations where sample results exceeded a RO are also shown on Figure 3. The laboratory analytical reports prepared by Teklab are provided in Attachment 1.

Quality assurance samples collected during the event included duplicates, matrix spike and matrix spike duplicates (MS/MSD), an equipment blank, and a trip blank. Blind duplicates were collected from shallow monitoring well locations UMW-124 and UMW-126, and from intermediate monitoring well location UMW-302. The three duplicate samples were identified on the chain of custody and laboratory analytical report as DUP 001 through DUP 003. Duplicate sample results are shown on Table 3 adjacent to their respective primary sample. A summary of the results of data validation is also included with the laboratory analytical reports in Attachment 1.

Purge water that was collected from the monitoring wells during the first quarter 2022 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the February 2022 groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on February 10, 2022, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured DTW and the calculated water level elevations at the Site for the first quarter 2022 monitoring event are shown in Table 2. The DTW in the shallow monitoring wells ranged from 3.08 to 8.95 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 3.08 to 5.04 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 0.018 (UMW-124 to UMW-105), 0.012 (UMW-124 to UMW-116), and 0.014 (UMW-125 to UMW-109) foot per foot (ft/ft). This range of values reflects the general gradients to the south, west and north from the Site, respectively.

The depths to groundwater in the eight monitoring wells that monitor the intermediate groundwater unit, ranged from 27.03 to 29.76 feet BLS. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south and southeast, with a groundwater gradient of approximately 0.001 ft/ft across the Site (UMW-300 to UMW-308).

Analytical Results

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

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

A benzene concentration of 0.0974 mg/L was reported in the shallow on-site monitoring well UMW-124, which exceeds the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents detected in the other fifteen shallow monitoring wells located on-site and off-site were below their respective Class II ROs.

Benzene, ethylbenzene, and naphthalene were reported in samples collected from the intermediate monitoring well UMW-302, at concentrations of 0.362, 0.760, and 2.18 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.7, and 0.14 mg/L, respectively. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceeded the groundwater inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet BLS, and is separated by over 20 vertical feet of silty clay from the overlying shallow groundwater monitored in the co-located shallow well UMW-121. Of the eight intermediate monitoring wells screened in the lower groundwater unit, UMW-302 is the only intermediate monitoring well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

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

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

Data Validation

ERM reviewed analytical data from the first quarter 2022 monitoring event for compliance with quality assurance/quality control (QA/QC) requirements and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples.

Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-124-WG-20220202, UMW-301R-WG-20220201, UMW-302-WG-20220202, UMW-304R-WG-20220201, DUP-001-WG-20220202, and DUP-003-WG-20220202). 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 2022 monitoring event did not require modification, other than the addition of qualifiers.

The data validation memorandum also discussed laboratory control sample and laboratory control sample duplicates outside of recovery and relative percent difference (RPD) limits, preservations in the cyanide samples at time of receipt, re-analysis of naphthalene past holding time, high matrix spike recoveries, surrogate recoveries, and internal standard recoveries. However, the validation process determined that these issues had no effect on data quality and no validation qualifiers were necessary. There were no numerical changes to the data as a result of the data validation.

All of the data, including qualified data, can be used for decision-making purposes. However, the limitations indicated by the following applied qualifiers should be considered when using the data. An 'R' qualifier indicates that the result is rejected.

CONCLUSIONS – 1st Quarter Results

Based on the data collected during the first quarter 2022 monitoring event, on-site monitoring well UMW-124 was the only shallow monitoring well where a constituent concentration was detected that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in the sample from UMW-124 that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (total cyanide or 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 2022. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Jarred Schmidt
Senior Consultant, Project Management

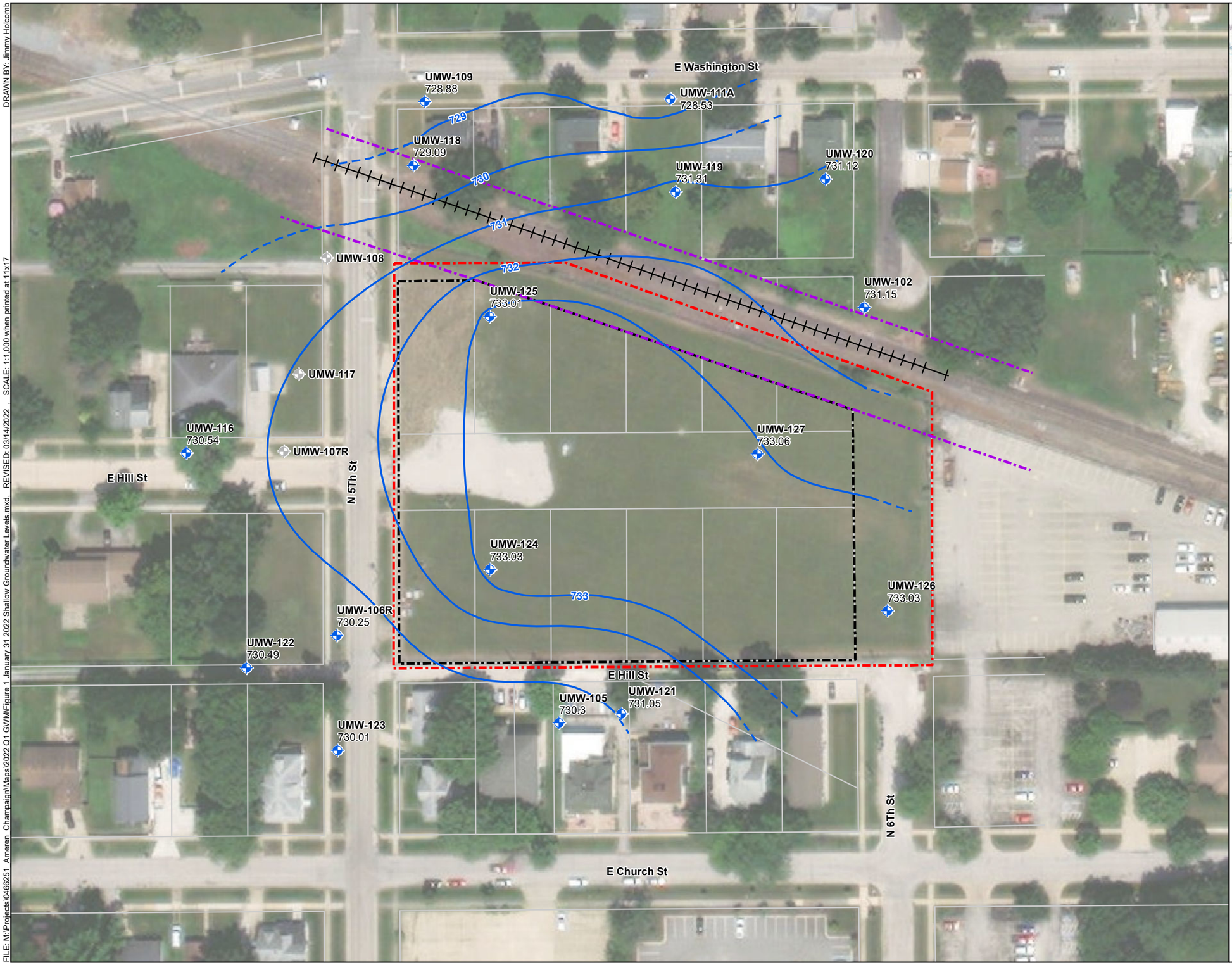
Alan Cork, P.E.
Principal Consultant, Engineer

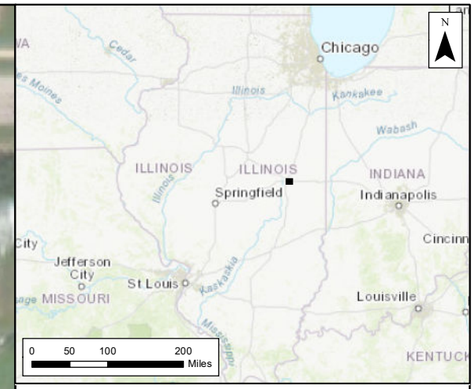
Figures
Figure 1 Shallow Groundwater Elevation Contours
Figure 2 Intermediate Groundwater Elevation Contours
Figure 3 Class I and II Groundwater RO Exceedances
Figures 4A-C Graphs of Concentration versus Time for Selected Monitoring Well

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

Attachment
Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures





Legend

- Shallow Monitoring Well with Jan 31 2022 Groundwater Elevation
- Abandoned Monitoring Well Nov 4 2021
- Jan 31 2022 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

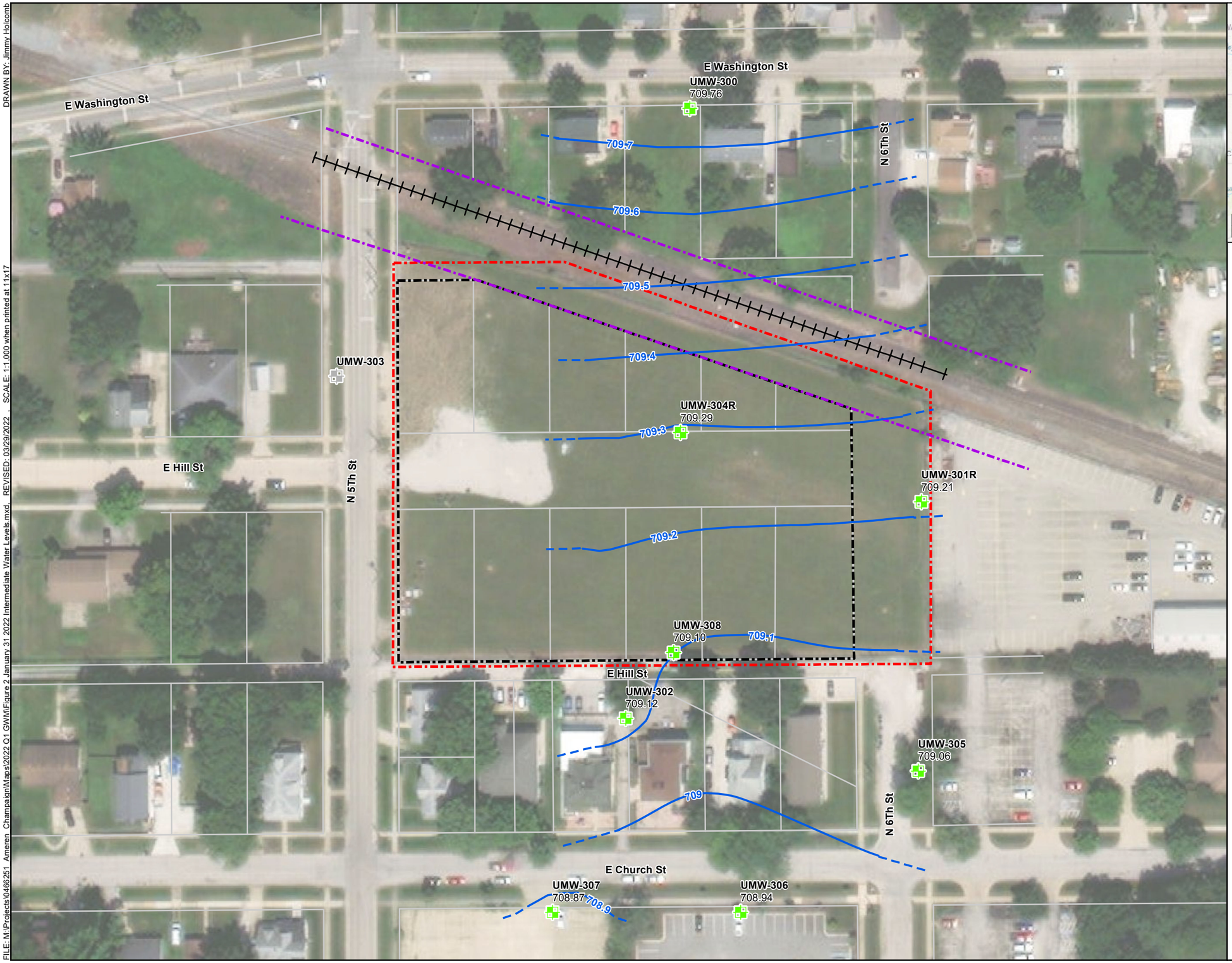
0 80 160
Feet

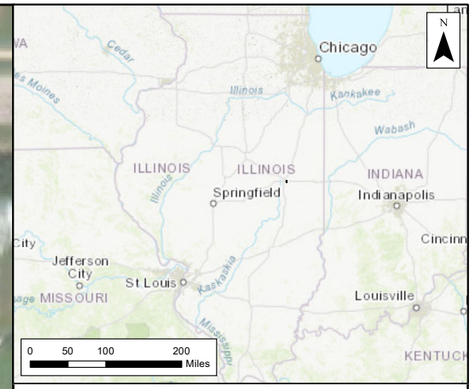
Figure 1
Shallow Groundwater Elevation Contours
Jan 31 2022
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: Jimmy Holcomb

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2022 Q1 GWM\Figure 1 January 31 2022 Shallow Groundwater Levels.mxd REVISED: 03/14/2022 , SCALE: 1:1,000 when printed at 11x17





Legend

- Intermediate Monitoring Well with Jan 31 2022 Groundwater Elevation
- Abandoned Monitoring Well Nov 4 2021
- Jan 31 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

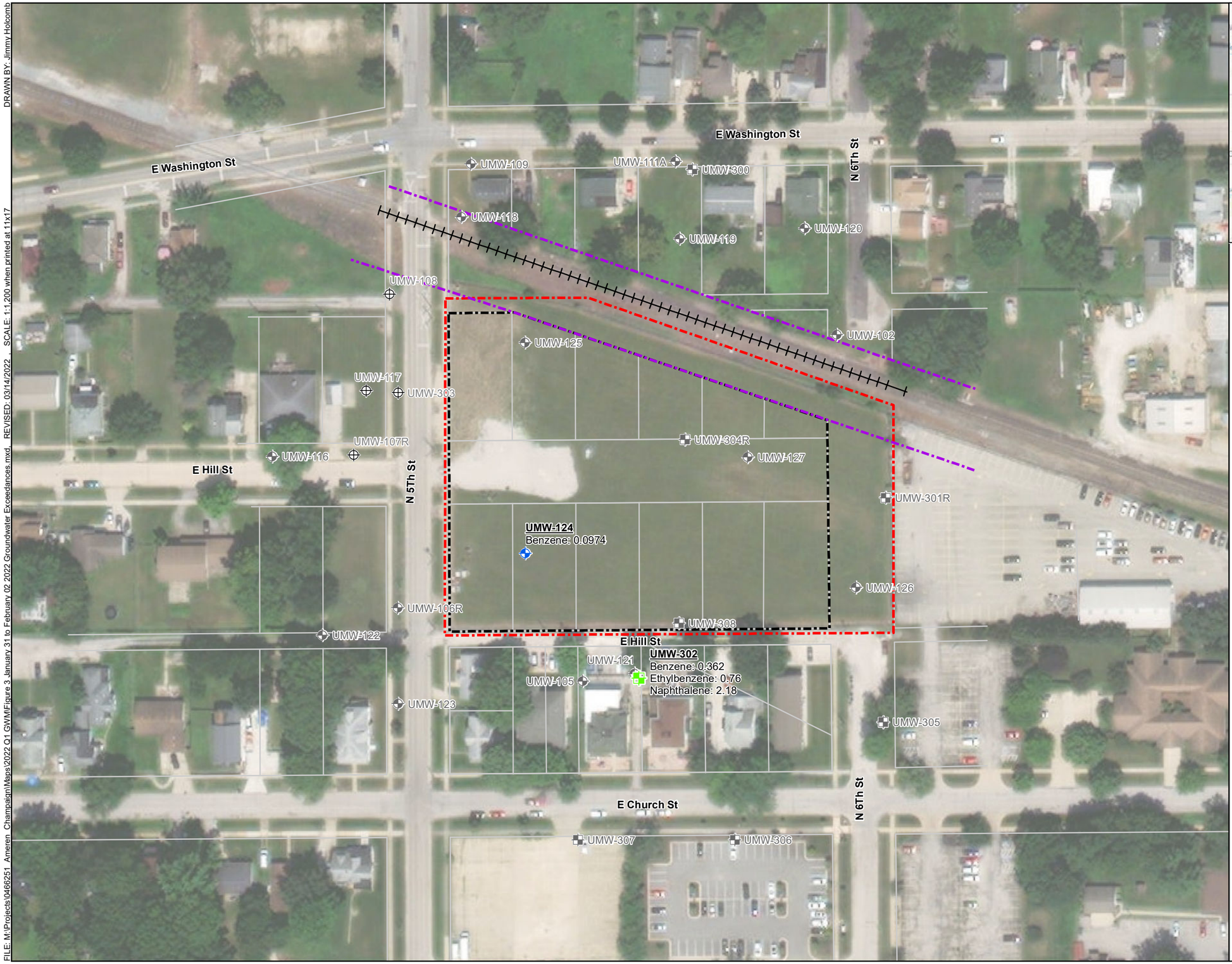
0 80 160
Feet

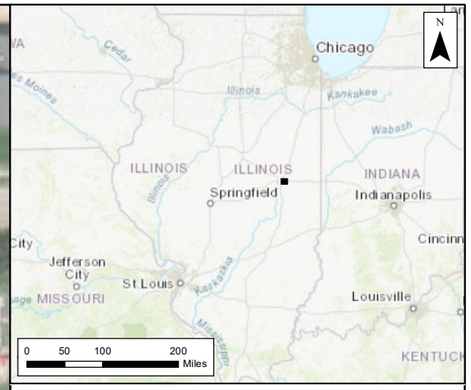
Figure 2
Intermediate Groundwater Elevation Contours
Jan 31 2022
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: Jimmy Holcomb

FILE: M:\Projects\0466251_Ameren_Champaign\Maps\2022 Q1 GWM\Figure 2 January 31 2022 Intermediate Water Levels.mxd, REVISED: 03/29/2022 , SCALE: 1:1,000 when printed at 11x17





Legend

- Shallow Monitoring Well with Exceedance
- Intermediate Monitoring Well with Exceedance
- Intermediate Monitoring Well with No Exceedances
- Shallow Monitoring Well with No Exceedances
- Abandoned Monitoring Well Nov 4 2021
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

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

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
Jan 31 - Feb 02 2022
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: Jimmy Holcomb
SCALE: 1:1,200 when printed at 11x17
REVISED: 03/14/2022
FILE: M:\Projects\0466251_Ameren_Champaign\Maps\2022 Q1 GWM\Figure 3 January 31 to February 02 2022 Groundwater Exceedances.mxd

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

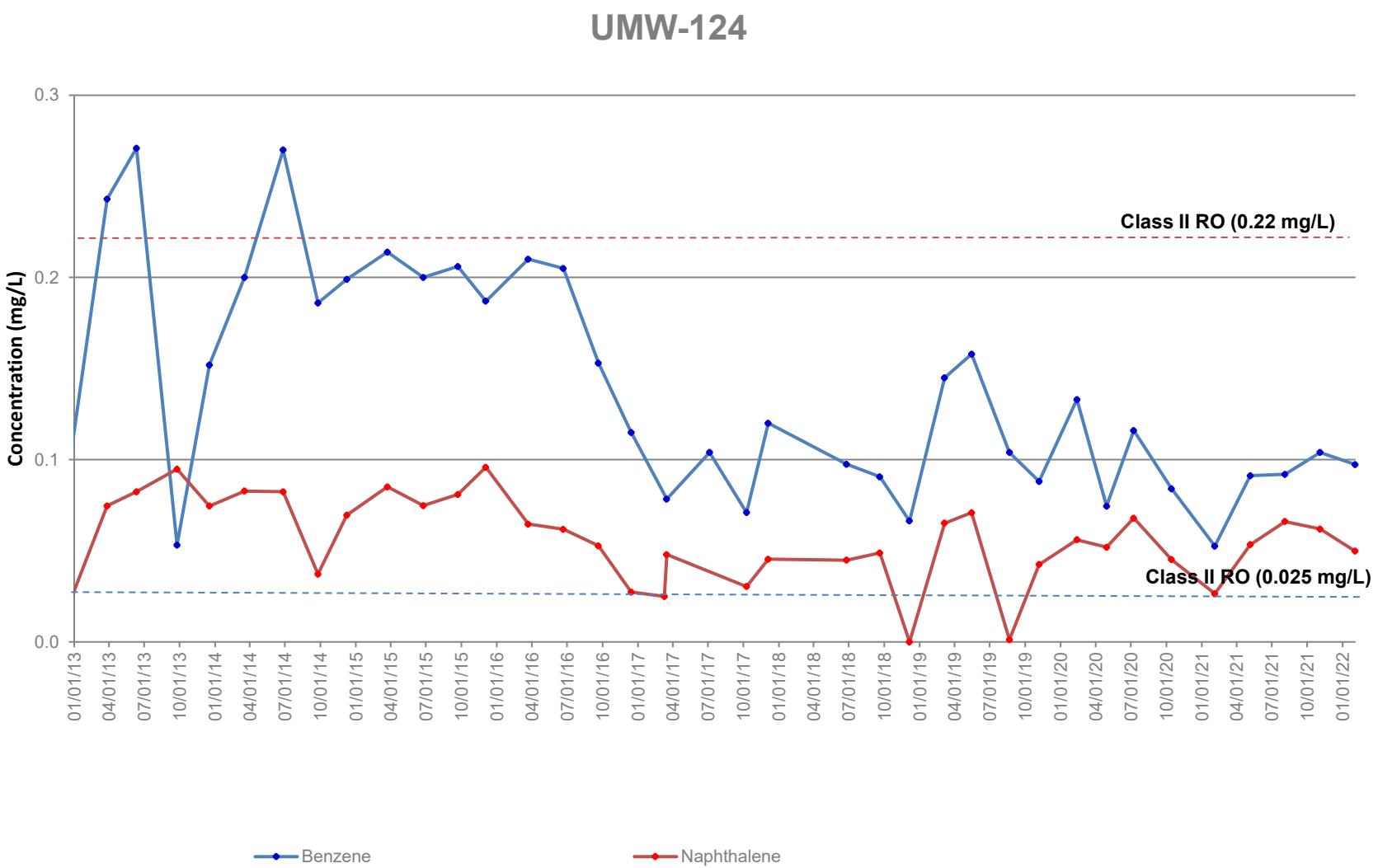


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

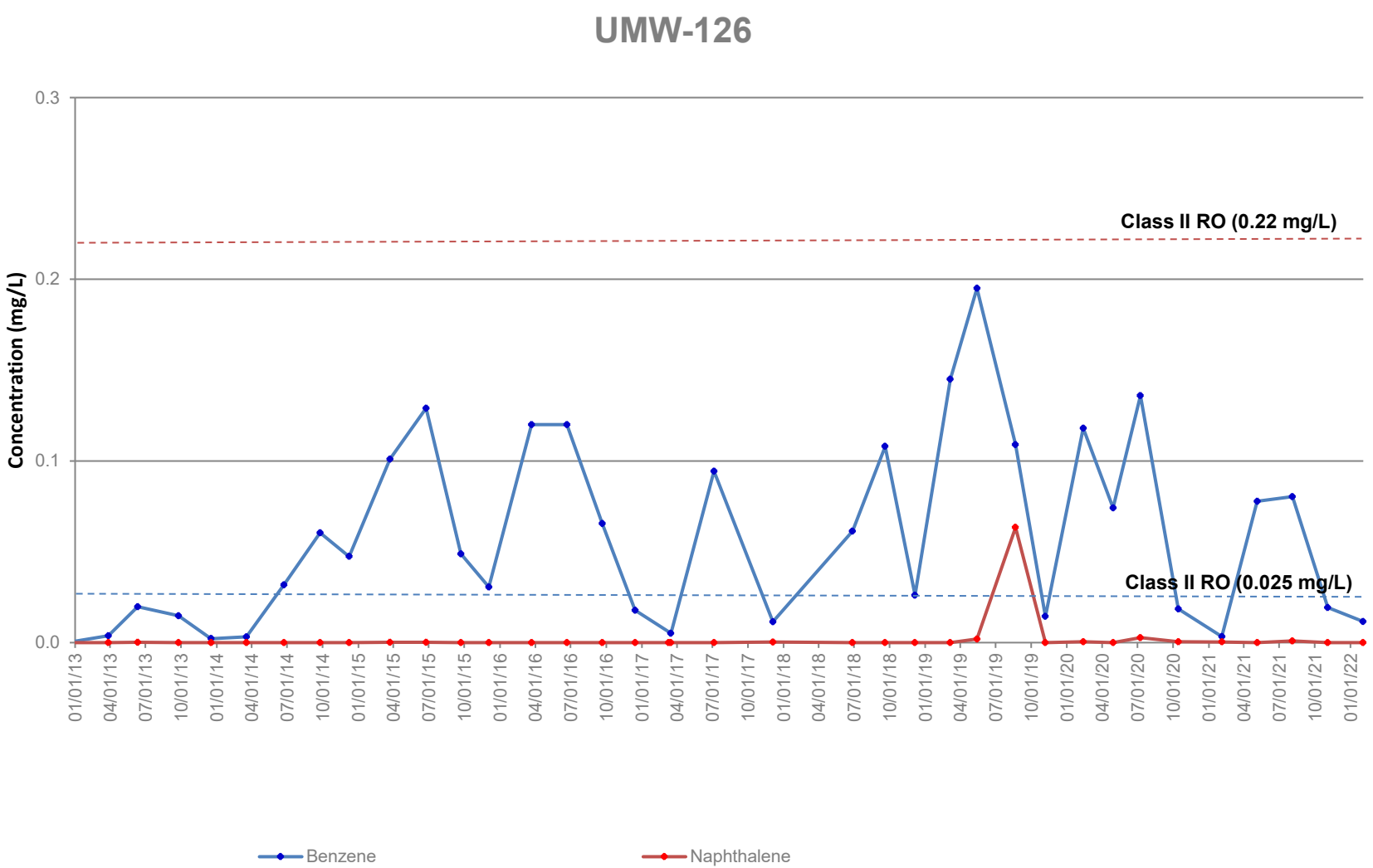
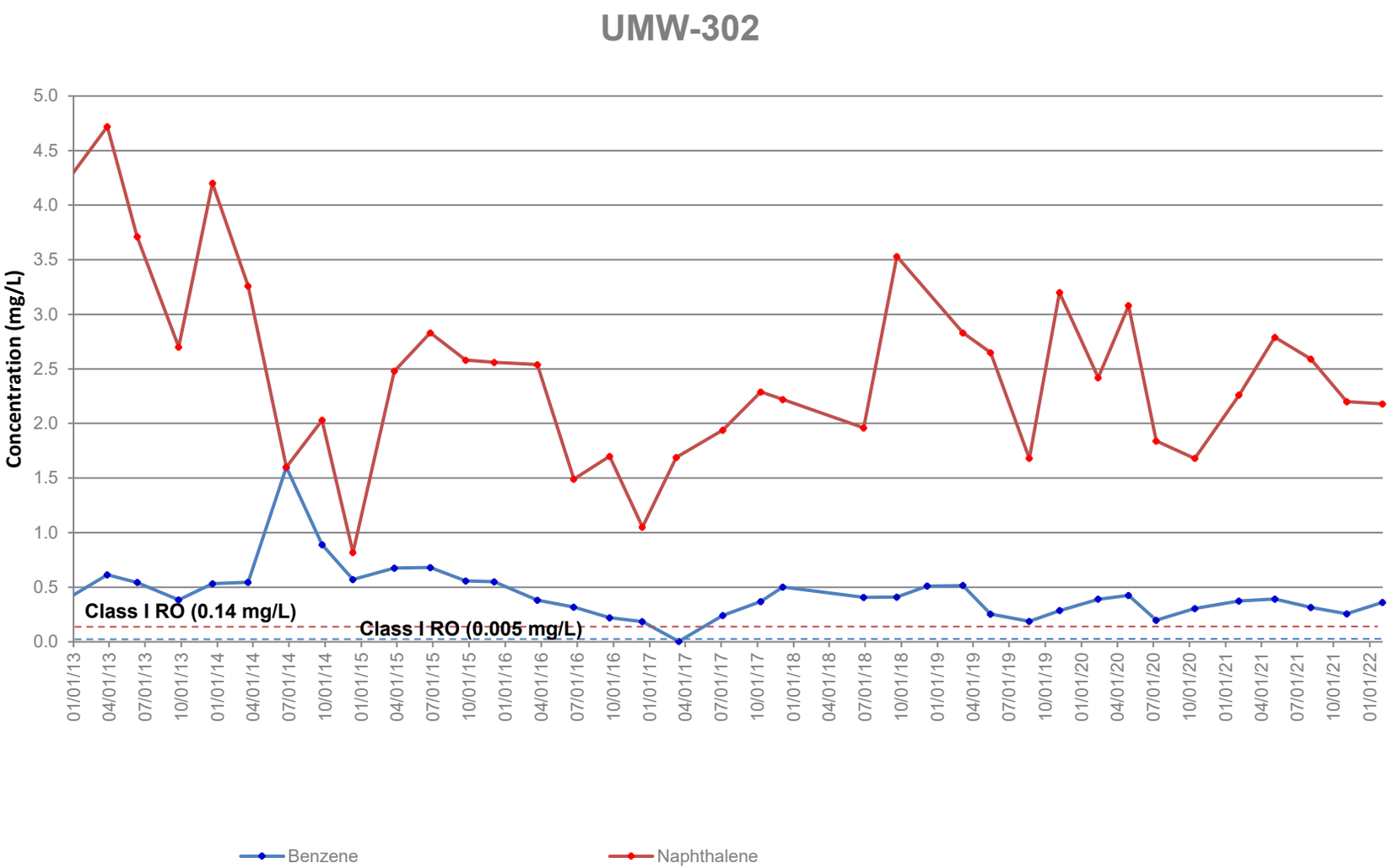


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

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

Location Group	Shallow Wells (Class II Groundwater Ingestion)									
Location ID	**UMW-102**	**UMW-105**	**UMW-106R**	**UMW-109**	**UMW-111A**	**UMW-116**	**UMW-118**	**UMW-119**	**UMW-120**	**UMW-121**
Sample Date	**01/31/2022**	**02/01/2022**	**02/01/2022**	**02/01/2022**	**01/31/2022**	**02/01/2022**	**02/01/2022**	**01/31/2022**	**01/31/2022**	**02/01/2022**
Sample Type	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**	**N**
Parameter/Analyte										
Field Parameters										
pH	6.64	7.53	6.92	7.66	7.23	7.6	7.33	7.07	7.23	6.78
Temperature (C)	13.7	12.9	10.2	10.2	13.1	12.8	12.3	11.5	11.6	12.1
ORP (mV)	259.3	42.2	350	51.9	302.8	61.4	45.8	256.4	268.2	261.7
Dissolved Oxygen (mg/L)	1.63	1.71	2.25	4.96	3.6	2.66	0.57	1.32	2.5	1.27
Turbidity (NTU)	0.71	2.28	9.84	15.1	2.29	11.1	32.2	64.8	57.3	5.82

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

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

Location Group	Shallow Wells (Class II Groundwater Ingestion)							
Location ID	**UMW-122**	**UMW-123**	**UMW-124**	**UMW-124**	**UMW-125**	**UMW-126**	**UMW-126**	**UMW-127**
Sample Date	**02/01/2022**	**02/01/2022**	**02/02/2022**	**02/02/2022**	**02/01/2022**	**02/02/2022**	**02/02/2022**	**02/01/2022**
Sample Type	**N**	**N**	**N**	**FD**	**N**	**N**	**FD**	**N**
Parameter/Analyte								
Field Parameters								
pH	7.01	7.21	11.34	NA	8.8	8.38	NA	13.02
Temperature (C)	12.3	10.9	9.4	NA	10.3	8.6	NA	9.3
ORP (mV)	350.9	339.8	-156.4	NA	252.3	39.6	NA	-138.3
Dissolved Oxygen (mg/L)	1.64	2.08	0.33	NA	0.27	3.31	NA	0.19
Turbidity (NTU)	1.59	5.28	19.4	NA	9.03	34	NA	2.85

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

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

Location Group	Intermediate Wells (Class I Groundwater Ingestion)								
Location ID	UMW-300	UMW-301R	UMW-302	UMW-302	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308
Sample Date	01/31/2022	02/01/2022	02/02/2022	02/02/2022	02/01/2022	02/01/2022	02/01/2022	02/01/2022	02/02/2022
Sample Type	N	N	N	FD	N	N	N	N	N
Parameter/Analyte									
Field Parameters									
pH	7.55	7.89	7.93	NA	7.22	7.3	7.82	7.41	7.73
Temperature (C)	13.3	13.3	13	NA	13.8	14.4	14.1	14.3	12.8
ORP (mV)	-0.8	-78.6	-71.9	NA	143.4	36	-75.3	149.6	-71.3
Dissolved Oxygen (mg/L)	0.38	0.57	0.4	NA	0.22	0.22	0.37	0.35	0.64
Turbidity (NTU)	0.47	3.22	0.66	NA	6.92	2.26	3.82	7.12	20.1

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

TABLE 2

Groundwater Elevation Data

January 31, 2022

Ameren - Champaign FMGP Site

Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval (feet BLS)	Pump Intake Depth (+) (feet BLS)	Elevation (feet NAVD88)		Measured 1/31/2022		Purge Vol (Gallons)	Flow Rate (mL/min)°	Sample Date
				Top of Casing (TOC)	Land Surface (LS)	WL Below TOC (feet)	Elevation (feet NAVD88)			
UMW-102	22.00	6.70-22.00	17.00	737.32	737.70	6.17	731.15	2.00	200.00	1/31/2022
UMW-105	19.70	9.50-19.70	17.00	737.33	737.70	7.03	730.30	2.00	200.00	2/1/2022
UMW-106R	17.00	7.00-17.00	15.00	737.18	737.43	6.93	730.25	3.00	200.00	2/1/2022
UMW-109	20.00	10.00-20.00	18.00	735.11	735.50	6.23	728.88	3.00	200.00	2/1/2022
UMW-111A	22.80	9.00-22.80	17.00	736.71	737.00	8.18	728.53	1.00	200.00	1/31/2022
UMW-116	20.00	10.00-20.00	18.00	736.23	736.50	5.69	730.54	2.50	200.00	2/1/2022
UMW-118	15.00	5.00-15.00	13.00	736.20	736.43	7.11	729.09	2.00	200.00	2/1/2022
UMW-119	15.00	5.00-15.00	13.00	736.80	737.09	5.49	731.31	2.50	250.00	1/31/2022
UMW-120	15.00	5.00-15.00	13.00	737.02	737.53	5.90	731.12	1.75	200.00	1/31/2022
UMW-121	15.00	5.00-15.00	13.00	738.46	738.80	7.41	731.05	2.25	250.00	2/1/2022
UMW-122	19.75	5.00-15.00	13.00	739.15	739.44	8.66	730.49	2.00	300.00	2/1/2022
UMW-123	15.89	5.89-15.89	13.90	737.24	737.53	7.23	730.01	1.50	400.00	2/1/2022
UMW-124 *	15.27	4.97-15.02	13.30	737.10	737.28	4.07	733.03	2.00	400.00	2/2/2022
UMW-125 *	15.33	5.06-15.11	13.10	737.92	738.05	4.91	733.01	1.75	400.00	2/1/2022
UMW-126 *	15.40	5.13-15.18	13.40	736.38	736.55	3.35	733.03	2.25	400.00	2/2/2022
UMW-127 *	15.38	5.11-15.16	13.40	735.93	736.14	2.87	733.06	2.00	200.00	2/1/2022
UMW-300	45.00	35.00-45.00	43.00	736.57	736.79	26.81	709.76	3.25	300.00	1/31/2022
UMW-301R *	46.65	36.50-46.05	44.00	736.11	736.20	26.90	709.21	3.25	240.00	2/1/2022
UMW-302	45.00	35.00-45.00	44.00	738.58	738.88	29.46	709.12	3.00	400.00	2/2/2022
UMW-304R *	46.16	36.01-45.56	44.00	736.48	736.72	27.19	709.29	3.75	500.00	2/1/2022
UMW-305	45.00	35.00-45.00	43.00	737.51	737.74	28.45	709.06	3.50	400.00	2/1/2022
UMW-306	47.00	37.00-47.00	45.00	736.90	737.18	27.96	708.94	3.50	400.00	2/1/2022
UMW-307	47.00	37.00-47.00	44.00	736.92	737.19	28.05	708.87	3.00	300.00	2/1/2022
UMW-308 *	45.29	35.14-44.69	42.70	737.21	737.39	28.11	709.10	3.50	500.00	2/2/2022

Notes:

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

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

			Location Group	Shallow Wells (Class II Groundwater Ingestion)										
			Location ID	UMW-102	UMW-105	UMW-106R	UMW-109	UMW-111A	UMW-116	UMW-118	UMW-119	UMW-120	UMW-121	UMW-122
			Sample Date	01/31/2022	02/01/2022	02/01/2022	02/01/2022	01/31/2022	02/01/2022	02/01/2022	01/31/2022	01/31/2022	02/01/2022	02/01/2022
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES											
BTEX, mg/L														
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L														
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L														
Total Cyanide	0.2	0.6	NS	< 0.005	0.039	0.014	0.017	< 0.005	< 0.005	0.024	0.030	< 0.005	0.060	0.007
Metals, mg/L														
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0678	0.0508	0.0970	0.0980	0.0531	0.0875	0.133	0.0948	0.0444	0.123	0.0369
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	0.0842	< 0.0050	0.0307	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection 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
NA = Not analyzed
mg/L = milligrams per liter
Qualifiers:
R = RPD outside accepted recovery limits
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

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

			Location Group	Shallow Wells (Class II Groundwater Ingestion)							Intermediate Wells (Class I Groundwater Ingestion)			
			Location ID	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302	UMW-302
			Sample Date	02/01/2022	02/02/2022	02/02/2022	02/01/2022	02/02/2022	02/02/2022	02/01/2022	01/31/2022	02/01/2022	02/02/2022	02/02/2022
			Sample Type	N	N	FD	N	N	FD	N	N	N	N	FD
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES											
BTEX, mg/L														
Benzene	0.005	0.025	**0.11**	< 0.0005	0.0974	0.11	< 0.0005	0.0116	0.0137	< 0.0005	< 0.0005	< 0.0005	**0.362**	**0.411**
Ethylbenzene	0.7	1	**0.37**	< 0.0020	0.0131	0.0127	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.76**	**0.728**
Toluene	1	2.5	530	< 0.0020	0.0802	0.0776	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0200	< 0.0200
Xylene, Total	10	10	30	< 0.0040	0.0400	0.0391	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.208	0.2
PAH, mg/L														
Acenaphthene	0.42	2.1	NS	< 0.000100	0.000443	0.000424	< 0.000100	< 0.000100	< 0.000100	0.000149	< 0.000100	0.00349	0.000714	0.000694
Acenaphthylene	0.21	1.05	NS	< 0.000100	0.000301	0.000303	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00355	0.000536	0.000502
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	0.000203	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**	< 0.000400	0.0498	0.0473	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	**2.18**	**2.05**
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L														
Total Cyanide	0.2	0.6	NS	< 0.005	0.014	0.014	0.064	< 0.005	< 0.005	0.007	< 0.005	< 0.005	0.091	0.064
Metals, mg/L														
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0256	0.0298	0.0290	0.0120	0.0296	0.0296	0.109	0.0849	0.0716	0.0548	0.0525
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection 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
NA = Not analyzed
mg/L = milligrams per liter
Qualifiers:
R = RPD outside accepted recovery limits
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

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

			Location Group	Intermediate Wells (Class I Groundwater Ingestion)					Field Quality Control		
			Location ID	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	EQUIPMENT BLANK	EQUIPMENT BLANK	TRIP BLANK
			Sample Date	02/01/2022	02/01/2022	02/01/2022	02/01/2022	02/02/2022	01/31/2022	02/02/2022	1/31/2022
			Sample Type	N	N	N	N	N	EB	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES								
BTEX, mg/L											
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 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
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L											
Acenaphthene	0.42	2.1	NS	0.000283	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000673	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Naphthalene	0.14	0.22	**0.075**	0.00353	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400 R	NA
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
General Chemistry, mg/L											
Total Cyanide	0.2	0.6	NS	< 0.005	0.010	0.014	0.042	0.011	< 0.005	< 0.005	NA
Metals, mg/L											
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0735	0.105	0.115	0.113	0.111	< 0.0025	< 0.0025	NA
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	NA
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	NA
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	NA
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA

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

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

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

Well ID	Date Sampled	Benzene	Ethylbenzene	Toluene	Xylene, total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-102	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	< 0.000100	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-105	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-106R	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-107R	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-108	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-109	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-111A	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100

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

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

Well ID	Date Sampled	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	02/10/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/01/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-105	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.049
	11/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.042
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.039
UMW-106R	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
UMW-107R	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.378
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.339
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.316
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.271
UMW-108	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.027
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.025
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027
UMW-109	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017
UMW-111A	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (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)	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)
UMW-116	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-117	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
UMW-118	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000287	< 0.000300	0.000184	0.000380	0.000389	0.000227	0.000140	0.000163
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-119	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-120	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	< 0.000100	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-121	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-122	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-123	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100

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

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

Well ID	Date Sampled	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-116	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-117	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	0.00107	0.031
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.028
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024
UMW-119	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.031
	10/12/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.034
	11/01/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.026
	01/31/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.030
UMW-120	02/10/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-121	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.093
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.070
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.054
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.047
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.060
UMW-122	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	04/29/2020	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.009
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.008
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.007
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
UMW-123	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene	Ethylbenzene	Toluene	Xylene, total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-124	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	< 0.000100	< 0.000100
	04/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	0.0841	0.0109	0.0590	0.0308	0.000579	0.000344	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	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	< 0.000100	< 0.000100
	05/06/2021	0.0912	0.0134	0.0776	0.0395	0.000465	0.000316	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	0.0920	0.0119	0.0707	0.0345	0.000570	0.000373	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	0.104	0.0159	0.0914	0.0483	0.000532	0.000459	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/02/2022	0.0974	0.0131	0.0802	0.0400	0.000443	0.000301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-125	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	< 0.000100	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	0.0080	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-126	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	< 0.000100	< 0.000100
	04/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	0.0033	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	0.0778	< 0.0020	0.0045	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	0.0803	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	0.0193	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/02/2022	0.0116	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-127	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	< 0.000100 UJ	< 0.000100 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	< 0.000100	< 0.000100
	07/08/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000173	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000187	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000194	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000149	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-300	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	01/31/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-301R	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00291	0.00301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00308	0.00264	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00337	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00321	0.00307	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00349	0.00355	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-302	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	< 0.000100	< 0.000100
	04/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	**0.374**	**0.786**	< 0.0200	0.223	0.000635	0.000450	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	**0.392**	**0.916**	< 0.0200	0.287	0.000776	0.000501	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	**0.316**	**0.804**	< 0.0200	0.205	0.000691	0.000585	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	**0.256**	**0.763**	< 0.0200	0.202	0.000710	0.000500	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/02/2022	**0.362**	**0.76**	< 0.0200	0.208	0.000714	0.000536	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-303	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	< 0.000100	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	0.000475	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100

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

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

Well ID	Date Sampled	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	02/12/2020	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.012
	04/29/2020	< 0.000100	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000300	0.000237	< 0.000100	0.0680	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
	05/06/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0534	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	0.000209	< 0.000200	0.0661	< 0.000600	< 0.000200	0.012
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	0.0620	< 0.000600	< 0.000200	0.012
	02/02/2022	< 0.000200	< 0.000300	0.000203	< 0.000200	0.0498	< 0.000600	< 0.000200	0.014
UMW-125	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
	04/30/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000878	< 0.000600	< 0.000200	0.024
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.038
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.041
	11/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.092
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.064
UMW-126	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000887	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000498	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000455	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.000928	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-127	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00150	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00129	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00201	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
UMW-300	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	01/31/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-301R	02/12/2020	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000200	< 0.000300	0.000208	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	0.00936 J+	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-302	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.79**	< 0.000600	< 0.000200	0.154 J
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.59**	< 0.000600	< 0.000200	0.073
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	**2.20**	< 0.000600	< 0.000200	0.099
	02/02/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.18**	< 0.000600	< 0.000200	0.091
UMW-303	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00182	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000419	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000200	< 0.000300	0.000280	< 0.000200	0.00548	0.00298	0.000316	< 0.005
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00256	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00123	< 0.000600	< 0.000200	< 0.005

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

Well ID	Date Sampled	Benzene	Ethylbenzene	Toluene	Xylene, total	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Chrysene
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-304R	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	< 0.000100	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000284	0.000612	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000418	0.000740	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000329	0.000834	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000321	0.000691	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000283	0.000673	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-305	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-306	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	< 0.000100	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000105	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-307	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	< 0.000400 UJ	< 0.000400 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	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/01/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
UMW-308	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	< 0.000200 UJ	< 0.000200 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	< 0.000100	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ	< 0.000100
	02/02/2022	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100	< 0.000100

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

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

Well ID	Date Sampled	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	Naphthalene	Phenanthrene	Pyrene	Cyanide, total
		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
UMW-304R	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/30/2020	< 0.000100	< 0.000300	0.000266	< 0.000100	< 0.000441	0.000894	0.000273	< 0.005
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00353	< 0.000600	< 0.000200	< 0.005
UMW-305	02/12/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.008
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
UMW-306	02/11/2020	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	04/29/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00111	< 0.000600	< 0.000200	0.008
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.012
	11/02/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.012
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
UMW-307	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.069
	11/02/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.050
	02/01/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.042
UMW-308	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	05/05/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017
	11/03/2021	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.010
	02/02/2022	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011

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.
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, 2022

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

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

RE: Champaign GW **WorkOrder:** 22020188

Dear Jarred Schmidt:

TEKLAB, INC received 30 samples on 2/3/2022 2:15:00 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
Client Project: Champaign GW

Work Order: 22020188
Report Date: 11-Feb-22

This reporting package includes the following:

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Chain of Custody	Appended

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Abbr Definition

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

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 22020188
Report Date: 11-Feb-22

Cooler Receipt Temp: 5.2 °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
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

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

Collinsville Air

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

Chicago

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

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-001
Client Sample ID: UMW-102-WG-20220131
Matrix: GROUNDWATER
Collection Date: 01/31/2022 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 11:36	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:18	187404
Barium	NELAP	0.0025		**0.0678**	mg/L	1	02/04/2022 17:18	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:18	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:18	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:18	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:18	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:18	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:19	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 19:16	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:16	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 19:16	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 19:16	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 19:16	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:16	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**87.0**	%REC	1	02/07/2022 19:16	187475
Surr: Nitrobenzene-d5	*	15-163		**73.0**	%REC	1	02/07/2022 19:16	187475
Surr: p-Terphenyl-d14	*	10-173		**98.3**	%REC	1	02/07/2022 19:16	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 9:03	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:03	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:03	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 9:03	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.5**	%REC	1	02/04/2022 9:03	187428
Surr: 4-Bromofluorobenzene	*	80-120		**99.8**	%REC	1	02/04/2022 9:03	187428
Surr: Dibromofluoromethane	*	80-120		**95.3**	%REC	1	02/04/2022 9:03	187428
Surr: Toluene-d8	*	80-120		**99.3**	%REC	1	02/04/2022 9:03	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-002
Client Sample ID: UMW-105-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 14:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.039**	mg/L	1	02/08/2022 11:40	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:22	187404
Barium	NELAP	0.0025		**0.0508**	mg/L	1	02/04/2022 17:22	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:22	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:22	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:22	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:22	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:22	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:22	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 10:17	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:17	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 10:17	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 10:17	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 10:17	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:17	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**96.7**	%REC	1	02/08/2022 10:17	187475
Surr: Nitrobenzene-d5	*	15-163		**82.9**	%REC	1	02/08/2022 10:17	187475
Surr: p-Terphenyl-d14	*	10-173		**104.5**	%REC	1	02/08/2022 10:17	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 9:27	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:27	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:27	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 9:27	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.2**	%REC	1	02/04/2022 9:27	187428
Surr: 4-Bromofluorobenzene	*	80-120		**99.8**	%REC	1	02/04/2022 9:27	187428
Surr: Dibromofluoromethane	*	80-120		**94.7**	%REC	1	02/04/2022 9:27	187428
Surr: Toluene-d8	*	80-120		**99.6**	%REC	1	02/04/2022 9:27	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-003
Client Sample ID: UMW-106R-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 8:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	02/08/2022 11:44	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:26	187404
Barium	NELAP	0.0025		**0.0970**	mg/L	1	02/04/2022 17:26	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:26	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:26	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:26	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:26	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:26	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:24	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 10:58	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 10:58	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 10:58	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 10:58	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 10:58	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 10:58	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.1**	%REC	1	02/08/2022 10:58	187475
Surr: Nitrobenzene-d5	*	15-163		**80.6**	%REC	1	02/08/2022 10:58	187475
Surr: p-Terphenyl-d14	*	10-173		**92.2**	%REC	1	02/08/2022 10:58	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 9:51	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:51	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:51	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 9:51	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.2**	%REC	1	02/04/2022 9:51	187428
Surr: 4-Bromofluorobenzene	*	80-120		**99.7**	%REC	1	02/04/2022 9:51	187428
Surr: Dibromofluoromethane	*	80-120		**95.5**	%REC	1	02/04/2022 9:51	187428
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	02/04/2022 9:51	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-004
Client Sample ID: UMW-109-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 8:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.017**	mg/L	1	02/08/2022 11:48	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:29	187404
Barium	NELAP	0.0025		**0.0980**	mg/L	1	02/04/2022 17:29	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:29	187404
Chromium	NELAP	0.0050		**0.0842**	mg/L	1	02/04/2022 17:29	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:29	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:29	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:29	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:31	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 11:39	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 11:39	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 11:39	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 11:39	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 11:39	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 11:39	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.7**	%REC	1	02/08/2022 11:39	187475
Surr: Nitrobenzene-d5	*	15-163		**79.3**	%REC	1	02/08/2022 11:39	187475
Surr: p-Terphenyl-d14	*	10-173		**96.8**	%REC	1	02/08/2022 11:39	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 10:14	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:14	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:14	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 10:14	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.9**	%REC	1	02/04/2022 10:14	187428
Surr: 4-Bromofluorobenzene	*	80-120		**99.5**	%REC	1	02/04/2022 10:14	187428
Surr: Dibromofluoromethane	*	80-120		**94.8**	%REC	1	02/04/2022 10:14	187428
Surr: Toluene-d8	*	80-120		**98.9**	%REC	1	02/04/2022 10:14	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-005
Client Sample ID: UMW-111A-WG-20220131
Matrix: GROUNDWATER
Collection Date: 01/31/2022 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	02/08/2022 11:53	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:33	187404
Barium	NELAP	0.0025		**0.0531**	mg/L	1	02/04/2022 17:33	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:33	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:33	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:33	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:33	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:33	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:33	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 19:59	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 19:59	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 19:59	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 19:59	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 19:59	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 19:59	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.9**	%REC	1	02/07/2022 19:59	187475
Surr: Nitrobenzene-d5	*	15-163		**70.0**	%REC	1	02/07/2022 19:59	187475
Surr: p-Terphenyl-d14	*	10-173		**95.7**	%REC	1	02/07/2022 19:59	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 10:38	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:38	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:38	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 10:38	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.8**	%REC	1	02/04/2022 10:38	187428
Surr: 4-Bromofluorobenzene	*	80-120		**101.3**	%REC	1	02/04/2022 10:38	187428
Surr: Dibromofluoromethane	*	80-120		**94.2**	%REC	1	02/04/2022 10:38	187428
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	02/04/2022 10:38	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-006
Client Sample ID: UMW-116-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 11:57	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:37	187404
Barium	NELAP	0.0025		**0.0875**	mg/L	1	02/04/2022 17:37	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:37	187404
Chromium	NELAP	0.0050		**0.0307**	mg/L	1	02/04/2022 17:37	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:37	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:37	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:37	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:35	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 12:23	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 12:23	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 12:23	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 12:23	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 12:23	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 12:23	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.1**	%REC	1	02/08/2022 12:23	187475
Surr: Nitrobenzene-d5	*	15-163		**80.3**	%REC	1	02/08/2022 12:23	187475
Surr: p-Terphenyl-d14	*	10-173		**85.8**	%REC	1	02/08/2022 12:23	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 11:01	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:01	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:01	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 11:01	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.4**	%REC	1	02/04/2022 11:01	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	02/04/2022 11:01	187428
Surr: Dibromofluoromethane	*	80-120		**94.8**	%REC	1	02/04/2022 11:01	187428
Surr: Toluene-d8	*	80-120		**98.3**	%REC	1	02/04/2022 11:01	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-007
Client Sample ID: UMW-118-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.024**	mg/L	1	02/08/2022 12:01	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:40	187404
Barium	NELAP	0.0025		**0.133**	mg/L	1	02/04/2022 17:40	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:40	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:40	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:40	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:40	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:40	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:38	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 13:04	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:04	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 13:04	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 13:04	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 13:04	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:04	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.7**	%REC	1	02/08/2022 13:04	187475
Surr: Nitrobenzene-d5	*	15-163		**76.6**	%REC	1	02/08/2022 13:04	187475
Surr: p-Terphenyl-d14	*	10-173		**89.5**	%REC	1	02/08/2022 13:04	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 11:25	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:25	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:25	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 11:25	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.9**	%REC	1	02/04/2022 11:25	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	02/04/2022 11:25	187428
Surr: Dibromofluoromethane	*	80-120		**95.3**	%REC	1	02/04/2022 11:25	187428
Surr: Toluene-d8	*	80-120		**98.7**	%REC	1	02/04/2022 11:25	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-008
Client Sample ID: UMW-119-WG-20220131
Matrix: GROUNDWATER
Collection Date: 01/31/2022 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.030**	mg/L	1	02/08/2022 12:06	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:44	187404
Barium	NELAP	0.0025		**0.0948**	mg/L	1	02/04/2022 17:44	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:44	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:44	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:44	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:44	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:44	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:40	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 20:42	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 20:42	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 20:42	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 20:42	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 20:42	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 20:42	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.7**	%REC	1	02/07/2022 20:42	187475
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	02/07/2022 20:42	187475
Surr: p-Terphenyl-d14	*	10-173		**101.9**	%REC	1	02/07/2022 20:42	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 11:48	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:48	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:48	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 11:48	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.3**	%REC	1	02/04/2022 11:48	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.8**	%REC	1	02/04/2022 11:48	187428
Surr: Dibromofluoromethane	*	80-120		**94.9**	%REC	1	02/04/2022 11:48	187428
Surr: Toluene-d8	*	80-120		**99.1**	%REC	1	02/04/2022 11:48	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-009 **Client Sample ID:** UMW-120-WG-20220131

Matrix: GROUNDWATER **Collection Date:** 01/31/2022 14:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 12:10	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 17:48	187404
Barium	NELAP	0.0025		**0.0444**	mg/L	1	02/04/2022 17:48	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 17:48	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 17:48	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 17:48	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 17:48	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 17:48	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:42	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 21:25	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 21:25	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 21:25	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 21:25	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 21:25	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 21:25	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.8**	%REC	1	02/07/2022 21:25	187475
Surr: Nitrobenzene-d5	*	15-163		**75.5**	%REC	1	02/07/2022 21:25	187475
Surr: p-Terphenyl-d14	*	10-173		**97.2**	%REC	1	02/07/2022 21:25	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 12:12	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:12	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:12	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 12:12	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.2**	%REC	1	02/04/2022 12:12	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.8**	%REC	1	02/04/2022 12:12	187428
Surr: Dibromofluoromethane	*	80-120		**95.3**	%REC	1	02/04/2022 12:12	187428
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	02/04/2022 12:12	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-010
Client Sample ID: UMW-121-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.060**	mg/L	5	02/08/2022 13:41	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 18:06	187404
Barium	NELAP	0.0025		**0.123**	mg/L	1	02/04/2022 18:06	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 18:06	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 18:06	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 18:06	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 18:06	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 18:06	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 12:49	187401
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 13:46	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 13:46	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 13:46	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 13:46	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 13:46	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 13:46	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.3**	%REC	1	02/08/2022 13:46	187475
Surr: Nitrobenzene-d5	*	15-163		**74.4**	%REC	1	02/08/2022 13:46	187475
Surr: p-Terphenyl-d14	*	10-173		**97.6**	%REC	1	02/08/2022 13:46	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 12:35	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:35	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:35	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 12:35	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.6**	%REC	1	02/04/2022 12:35	187428
Surr: 4-Bromofluorobenzene	*	80-120		**101.2**	%REC	1	02/04/2022 12:35	187428
Surr: Dibromofluoromethane	*	80-120		**95.0**	%REC	1	02/04/2022 12:35	187428
Surr: Toluene-d8	*	80-120		**98.4**	%REC	1	02/04/2022 12:35	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-011 **Client Sample ID:** UMW-122-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.007**	mg/L	1	02/08/2022 12:36	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 18:10	187404
Barium	NELAP	0.0025		**0.0369**	mg/L	1	02/04/2022 18:10	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 18:10	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 18:10	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 18:10	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 18:10	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 18:10	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:17	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 14:27	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 14:27	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 14:27	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 14:27	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 14:27	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 14:27	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.0**	%REC	1	02/08/2022 14:27	187475
Surr: Nitrobenzene-d5	*	15-163		**74.3**	%REC	1	02/08/2022 14:27	187475
Surr: p-Terphenyl-d14	*	10-173		**86.8**	%REC	1	02/08/2022 14:27	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 12:59	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:59	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:59	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 12:59	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.9**	%REC	1	02/04/2022 12:59	187428
Surr: 4-Bromofluorobenzene	*	80-120		**102.1**	%REC	1	02/04/2022 12:59	187428
Surr: Dibromofluoromethane	*	80-120		**94.7**	%REC	1	02/04/2022 12:59	187428
Surr: Toluene-d8	*	80-120		**97.9**	%REC	1	02/04/2022 12:59	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-012 **Client Sample ID:** UMW-123-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 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	02/08/2022 12:41	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 18:14	187404
Barium	NELAP	0.0025		**0.0256**	mg/L	1	02/04/2022 18:14	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 18:14	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 18:14	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 18:14	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 18:14	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 18:14	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:19	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 15:09	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:09	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 15:09	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 15:09	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 15:09	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:09	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.9**	%REC	1	02/08/2022 15:09	187475
Surr: Nitrobenzene-d5	*	15-163		**79.2**	%REC	1	02/08/2022 15:09	187475
Surr: p-Terphenyl-d14	*	10-173		**91.5**	%REC	1	02/08/2022 15:09	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 13:23	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:23	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:23	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 13:23	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.3**	%REC	1	02/04/2022 13:23	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.7**	%REC	1	02/04/2022 13:23	187428
Surr: Dibromofluoromethane	*	80-120		**95.3**	%REC	1	02/04/2022 13:23	187428
Surr: Toluene-d8	*	80-120		**98.4**	%REC	1	02/04/2022 13:23	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-013 **Client Sample ID:** UMW-124-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	02/08/2022 12:45	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 18:18	187404
Barium	NELAP	0.0025		**0.0298**	mg/L	1	02/04/2022 18:18	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 18:18	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 18:18	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 18:18	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 18:18	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 18:18	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:26	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000443**	mg/L	1	02/09/2022 2:19	187509
Acenaphthylene	NELAP	0.000100		**0.000301**	mg/L	1	02/09/2022 2:19	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 2:19	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 2:19	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 2:19	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 2:19	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 2:19	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 2:19	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 2:19	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 2:19	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 2:19	187509
Fluorene	NELAP	0.000200		**0.000203**	mg/L	1	02/09/2022 2:19	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 2:19	187509
Naphthalene	NELAP	0.0100		**0.0498**	mg/L	25	02/09/2022 12:23	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 2:19	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 2:19	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**79.5**	%REC	1	02/09/2022 2:19	187509
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	02/09/2022 2:19	187509
Surr: p-Terphenyl-d14	*	10-173		**87.8**	%REC	1	02/09/2022 2:19	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**97.4**	µg/L	1	02/04/2022 13:46	187428
Ethylbenzene	NELAP	2.0		**13.1**	µg/L	1	02/04/2022 13:46	187428
Toluene	NELAP	2.0		**80.2**	µg/L	1	02/04/2022 13:46	187428
Xylenes, Total	NELAP	4.0		**40.0**	µg/L	1	02/04/2022 13:46	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**97.7**	%REC	1	02/04/2022 13:46	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.2**	%REC	1	02/04/2022 13:46	187428
Surr: Dibromofluoromethane	*	80-120		**95.2**	%REC	1	02/04/2022 13:46	187428
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	02/04/2022 13:46	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-014 **Client Sample ID:** UMW-125-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.064**	mg/L	5	02/08/2022 14:46	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 18:29	187404
Barium	NELAP	0.0025		**0.0120**	mg/L	1	02/04/2022 18:29	187404
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 18:29	187404
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 18:29	187404
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 18:29	187404
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 18:29	187404
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 18:29	187404
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:29	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 3:01	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:01	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 3:01	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 3:01	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 3:01	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:01	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.8**	%REC	1	02/09/2022 3:01	187509
Surr: Nitrobenzene-d5	*	15-163		**78.9**	%REC	1	02/09/2022 3:01	187509
Surr: p-Terphenyl-d14	*	10-173		**84.4**	%REC	1	02/09/2022 3:01	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 14:10	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:10	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:10	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 14:10	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.7**	%REC	1	02/04/2022 14:10	187428
Surr: 4-Bromofluorobenzene	*	80-120		**101.5**	%REC	1	02/04/2022 14:10	187428
Surr: Dibromofluoromethane	*	80-120		**95.0**	%REC	1	02/04/2022 14:10	187428
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	02/04/2022 14:10	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-015
Client Sample ID: UMW-126-WG-20220202
Matrix: GROUNDWATER
Collection Date: 02/02/2022 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 12:53	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:06	187405
Barium	NELAP	0.0025		**0.0296**	mg/L	1	02/04/2022 19:06	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:06	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:06	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:06	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:06	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:06	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:31	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 3:43	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 3:43	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 3:43	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 3:43	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 3:43	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 3:43	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.5**	%REC	1	02/09/2022 3:43	187509
Surr: Nitrobenzene-d5	*	15-163		**78.2**	%REC	1	02/09/2022 3:43	187509
Surr: p-Terphenyl-d14	*	10-173		**64.4**	%REC	1	02/09/2022 3:43	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**11.6**	µg/L	1	02/04/2022 14:34	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:34	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:34	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 14:34	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.1**	%REC	1	02/04/2022 14:34	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	02/04/2022 14:34	187428
Surr: Dibromofluoromethane	*	80-120		**96.0**	%REC	1	02/04/2022 14:34	187428
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	02/04/2022 14:34	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-016 **Client Sample ID:** UMW-127-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 15:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.007**	mg/L	1	02/08/2022 12:58	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:10	187405
Barium	NELAP	0.0025		**0.109**	mg/L	1	02/04/2022 19:10	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:10	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:10	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:10	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:10	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:10	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:33	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000149**	mg/L	1	02/09/2022 4:25	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 4:25	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 4:25	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 4:25	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 4:25	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 4:25	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 4:25	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 4:25	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 4:25	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 4:25	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 4:25	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.2**	%REC	1	02/09/2022 4:25	187509
Surr: Nitrobenzene-d5	*	15-163		**64.8**	%REC	1	02/09/2022 4:25	187509
Surr: p-Terphenyl-d14	*	10-173		**95.0**	%REC	1	02/09/2022 4:25	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 14:57	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:57	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 14:57	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 14:57	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.4**	%REC	1	02/04/2022 14:57	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.6**	%REC	1	02/04/2022 14:57	187428
Surr: Dibromofluoromethane	*	80-120		**94.4**	%REC	1	02/04/2022 14:57	187428
Surr: Toluene-d8	*	80-120		**98.7**	%REC	1	02/04/2022 14:57	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-017
Client Sample ID: UMW-300-WG-20220131
Matrix: GROUNDWATER
Collection Date: 01/31/2022 17:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 13:02	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:13	187405
Barium	NELAP	0.0025		**0.0849**	mg/L	1	02/04/2022 19:13	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:13	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:13	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:13	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:13	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:13	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:35	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 22:07	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:07	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 22:07	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 22:07	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 22:07	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:07	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**83.4**	%REC	1	02/07/2022 22:07	187475
Surr: Nitrobenzene-d5	*	15-163		**76.3**	%REC	1	02/07/2022 22:07	187475
Surr: p-Terphenyl-d14	*	10-173		**98.1**	%REC	1	02/07/2022 22:07	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 15:21	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 15:21	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 15:21	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 15:21	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.8**	%REC	1	02/04/2022 15:21	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.3**	%REC	1	02/04/2022 15:21	187428
Surr: Dibromofluoromethane	*	80-120		**94.8**	%REC	1	02/04/2022 15:21	187428
Surr: Toluene-d8	*	80-120		**99.1**	%REC	1	02/04/2022 15:21	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-018 **Client Sample ID:** UMW-301R-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 16:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 13:06	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:17	187405
Barium	NELAP	0.0025		**0.0716**	mg/L	1	02/04/2022 19:17	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:17	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:17	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:17	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:17	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:17	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:38	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00349**	mg/L	1	02/09/2022 5:07	187509
Acenaphthylene	NELAP	0.000100		**0.00355**	mg/L	1	02/09/2022 5:07	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 5:07	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:07	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:07	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:07	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:07	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 5:07	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 5:07	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 5:07	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:07	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.7**	%REC	1	02/09/2022 5:07	187509
Surr: Nitrobenzene-d5	*	15-163		**74.2**	%REC	1	02/09/2022 5:07	187509
Surr: p-Terphenyl-d14	*	10-173		**86.2**	%REC	1	02/09/2022 5:07	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 15:44	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 15:44	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 15:44	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 15:44	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.8**	%REC	1	02/04/2022 15:44	187428
Surr: 4-Bromofluorobenzene	*	80-120		**102.0**	%REC	1	02/04/2022 15:44	187428
Surr: Dibromofluoromethane	*	80-120		**94.7**	%REC	1	02/04/2022 15:44	187428
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	02/04/2022 15:44	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-019 **Client Sample ID:** UMW-302-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 12:21

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.091**	mg/L	5	02/08/2022 14:50	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:21	187405
Barium	NELAP	0.0025		**0.0548**	mg/L	1	02/04/2022 19:21	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:21	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:21	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:21	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:21	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:21	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:40	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000714**	mg/L	1	02/09/2022 5:49	187509
Acenaphthylene	NELAP	0.000100		**0.000536**	mg/L	1	02/09/2022 5:49	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 5:49	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:49	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:49	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:49	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 5:49	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 5:49	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Naphthalene	NELAP	0.400		**2.18**	mg/L	1000	02/09/2022 14:28	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 5:49	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 5:49	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.6**	%REC	1	02/09/2022 5:49	187509
Surr: Nitrobenzene-d5	*	15-163		**33.9**	%REC	1	02/09/2022 5:49	187509
Surr: p-Terphenyl-d14	*	10-173		**77.4**	%REC	1	02/09/2022 5:49	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**362**	µg/L	10	02/04/2022 16:08	187428
Ethylbenzene	NELAP	20.0		**760**	µg/L	10	02/04/2022 16:08	187428
Toluene	NELAP	20.0		**ND**	µg/L	10	02/04/2022 16:08	187428
Xylenes, Total	NELAP	40.0		**208**	µg/L	10	02/04/2022 16:08	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.8**	%REC	10	02/04/2022 16:08	187428
Surr: 4-Bromofluorobenzene	*	80-120		**100.6**	%REC	10	02/04/2022 16:08	187428
Surr: Dibromofluoromethane	*	80-120		**94.5**	%REC	10	02/04/2022 16:08	187428
Surr: Toluene-d8	*	80-120		**99.2**	%REC	10	02/04/2022 16:08	187428

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

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-020 **Client Sample ID:** UMW-304R-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 15:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 13:15	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:24	187405
Barium	NELAP	0.0025		**0.0735**	mg/L	1	02/04/2022 19:24	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:24	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:24	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:24	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:24	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:24	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:42	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000283**	mg/L	1	02/09/2022 6:31	187509
Acenaphthylene	NELAP	0.000100		**0.000673**	mg/L	1	02/09/2022 6:31	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 6:31	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 6:31	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 6:31	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 6:31	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 6:31	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 6:31	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Naphthalene	NELAP	0.00200		**0.00353**	mg/L	5	02/09/2022 15:52	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 6:31	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 6:31	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.7**	%REC	1	02/09/2022 6:31	187509
Surr: Nitrobenzene-d5	*	15-163		**74.8**	%REC	1	02/09/2022 6:31	187509
Surr: p-Terphenyl-d14	*	10-173		**81.0**	%REC	1	02/09/2022 6:31	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 16:32	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 16:32	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 16:32	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 16:32	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.5**	%REC	1	02/04/2022 16:32	187428
Surr: 4-Bromofluorobenzene	*	80-120		**101.7**	%REC	1	02/04/2022 16:32	187428
Surr: Dibromofluoromethane	*	80-120		**94.9**	%REC	1	02/04/2022 16:32	187428
Surr: Toluene-d8	*	80-120		**98.9**	%REC	1	02/04/2022 16:32	187428

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-021
Client Sample ID: UMW-305-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	02/08/2022 9:34	187456
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:43	187405
Barium	NELAP	0.0025		**0.105**	mg/L	1	02/04/2022 19:43	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:43	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:43	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:43	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:43	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:43	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:44	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 0:13	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 0:13	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 0:13	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 0:13	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 0:13	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 0:13	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.4**	%REC	1	02/09/2022 0:13	187509
Surr: Nitrobenzene-d5	*	15-163		**82.6**	%REC	1	02/09/2022 0:13	187509
Surr: p-Terphenyl-d14	*	10-173		**86.2**	%REC	1	02/09/2022 0:13	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 16:56	187428
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 16:56	187428
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 16:56	187428
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 16:56	187428
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.8**	%REC	1	02/04/2022 16:56	187428
Surr: 4-Bromofluorobenzene	*	80-120		**102.2**	%REC	1	02/04/2022 16:56	187428
Surr: Dibromofluoromethane	*	80-120		**95.0**	%REC	1	02/04/2022 16:56	187428
Surr: Toluene-d8	*	80-120		**98.9**	%REC	1	02/04/2022 16:56	187428

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-022 **Client Sample ID:** UMW-306-WG-20220201

Matrix: GROUNDWATER **Collection Date:** 02/01/2022 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	02/08/2022 10:09	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 19:54	187405
Barium	NELAP	0.0025		**0.115**	mg/L	1	02/04/2022 19:54	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 19:54	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 19:54	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 19:54	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 19:54	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 19:54	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 13:56	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 15:50	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 15:50	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 15:50	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 15:50	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 15:50	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 15:50	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.7**	%REC	1	02/08/2022 15:50	187475
Surr: Nitrobenzene-d5	*	15-163		**76.0**	%REC	1	02/08/2022 15:50	187475
Surr: p-Terphenyl-d14	*	10-173		**87.0**	%REC	1	02/08/2022 15:50	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5	S	**ND**	µg/L	1	02/04/2022 9:26	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:26	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 9:26	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 9:26	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.7**	%REC	1	02/04/2022 9:26	187431
Surr: 4-Bromofluorobenzene	*	80-120		**98.1**	%REC	1	02/04/2022 9:26	187431
Surr: Dibromofluoromethane	*	80-120		**103.8**	%REC	1	02/04/2022 9:26	187431
Surr: Toluene-d8	*	80-120		**90.4**	%REC	1	02/04/2022 9:26	187431

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

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-023
Client Sample ID: UMW-307-WG-20220201
Matrix: GROUNDWATER
Collection Date: 02/01/2022 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.042**	mg/L	1	02/08/2022 13:54	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:05	187405
Barium	NELAP	0.0025		**0.113**	mg/L	1	02/04/2022 20:05	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:05	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:05	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:05	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:05	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:05	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:03	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 17:56	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 17:56	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 17:56	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 17:56	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/08/2022 17:56	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 17:56	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.0**	%REC	1	02/08/2022 17:56	187475
Surr: Nitrobenzene-d5	*	15-163		**72.6**	%REC	1	02/08/2022 17:56	187475
Surr: p-Terphenyl-d14	*	10-173		**86.6**	%REC	1	02/08/2022 17:56	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 10:46	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:46	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 10:46	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 10:46	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.0**	%REC	1	02/04/2022 10:46	187431
Surr: 4-Bromofluorobenzene	*	80-120		**96.7**	%REC	1	02/04/2022 10:46	187431
Surr: Dibromofluoromethane	*	80-120		**104.3**	%REC	1	02/04/2022 10:46	187431
Surr: Toluene-d8	*	80-120		**88.5**	%REC	1	02/04/2022 10:46	187431

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-024 **Client Sample ID:** UMW-308-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 8:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.011**	mg/L	1	02/08/2022 13:58	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:09	187405
Barium	NELAP	0.0025		**0.111**	mg/L	1	02/04/2022 20:09	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:09	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:09	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:09	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:09	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:09	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:05	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 7:14	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:14	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 7:14	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/09/2022 7:14	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 7:14	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:14	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.7**	%REC	1	02/09/2022 7:14	187509
Surr: Nitrobenzene-d5	*	15-163		**76.3**	%REC	1	02/09/2022 7:14	187509
Surr: p-Terphenyl-d14	*	10-173		**84.9**	%REC	1	02/09/2022 7:14	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 11:12	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:12	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 11:12	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 11:12	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.7**	%REC	1	02/04/2022 11:12	187431
Surr: 4-Bromofluorobenzene	*	80-120		**99.0**	%REC	1	02/04/2022 11:12	187431
Surr: Dibromofluoromethane	*	80-120		**104.2**	%REC	1	02/04/2022 11:12	187431
Surr: Toluene-d8	*	80-120		**90.2**	%REC	1	02/04/2022 11:12	187431

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-025 **Client Sample ID:** DUP 001-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	02/08/2022 14:03	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:31	187405
Barium	NELAP	0.0025		**0.0290**	mg/L	1	02/04/2022 20:31	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:31	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:31	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:31	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:31	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:31	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:08	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000424**	mg/L	1	02/09/2022 7:56	187509
Acenaphthylene	NELAP	0.000100		**0.000303**	mg/L	1	02/09/2022 7:56	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 7:56	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:56	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:56	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:56	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/09/2022 7:56	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/09/2022 7:56	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Naphthalene	NELAP	0.0100		**0.0473**	mg/L	25	02/09/2022 13:05	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/09/2022 7:56	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/09/2022 7:56	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.5**	%REC	1	02/09/2022 7:56	187509
Surr: Nitrobenzene-d5	*	15-163		**66.9**	%REC	1	02/09/2022 7:56	187509
Surr: p-Terphenyl-d14	*	10-173		**75.0**	%REC	1	02/09/2022 7:56	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**110**	µg/L	1	02/04/2022 11:39	187431
Ethylbenzene	NELAP	2.0		**12.7**	µg/L	1	02/04/2022 11:39	187431
Toluene	NELAP	2.0		**77.6**	µg/L	1	02/04/2022 11:39	187431
Xylenes, Total	NELAP	4.0		**39.1**	µg/L	1	02/04/2022 11:39	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.7**	%REC	1	02/04/2022 11:39	187431
Surr: 4-Bromofluorobenzene	*	80-120		**97.5**	%REC	1	02/04/2022 11:39	187431
Surr: Dibromofluoromethane	*	80-120		**106.1**	%REC	1	02/04/2022 11:39	187431
Surr: Toluene-d8	*	80-120		**88.7**	%REC	1	02/04/2022 11:39	187431

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-026 **Client Sample ID:** DUP 002-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 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	02/08/2022 14:07	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:35	187405
Barium	NELAP	0.0025		**0.0296**	mg/L	1	02/04/2022 20:35	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:35	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:35	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:35	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:35	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:35	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:10	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 20:01	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 20:01	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 20:01	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/08/2022 20:01	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/08/2022 20:01	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 20:01	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.1**	%REC	1	02/08/2022 20:01	187509
Surr: Nitrobenzene-d5	*	15-163		**70.7**	%REC	1	02/08/2022 20:01	187509
Surr: p-Terphenyl-d14	*	10-173		**59.8**	%REC	1	02/08/2022 20:01	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**13.7**	µg/L	1	02/04/2022 12:05	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:05	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:05	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 12:05	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.4**	%REC	1	02/04/2022 12:05	187431
Surr: 4-Bromofluorobenzene	*	80-120		**96.3**	%REC	1	02/04/2022 12:05	187431
Surr: Dibromofluoromethane	*	80-120		**105.5**	%REC	1	02/04/2022 12:05	187431
Surr: Toluene-d8	*	80-120		**89.0**	%REC	1	02/04/2022 12:05	187431

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-027 **Client Sample ID:** DUP 003-WG-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.064**	mg/L	5	02/08/2022 16:56	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:39	187405
Barium	NELAP	0.0025		**0.0525**	mg/L	1	02/04/2022 20:39	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:39	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:39	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:39	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:39	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:39	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:12	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000694**	mg/L	1	02/08/2022 19:20	187509
Acenaphthylene	NELAP	0.000100		**0.000502**	mg/L	1	02/08/2022 19:20	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 19:20	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 19:20	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 19:20	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 19:20	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 19:20	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 19:20	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Naphthalene	NELAP	0.400		**2.05**	mg/L	1000	02/09/2022 15:10	187509
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/08/2022 19:20	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 19:20	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**79.8**	%REC	1	02/08/2022 19:20	187509
Surr: Nitrobenzene-d5	*	15-163		**50.6**	%REC	1	02/08/2022 19:20	187509
Surr: p-Terphenyl-d14	*	10-173		**79.9**	%REC	1	02/08/2022 19:20	187509

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**411**	µg/L	10	02/04/2022 12:32	187431
Ethylbenzene	NELAP	20.0		**728**	µg/L	10	02/04/2022 12:32	187431
Toluene	NELAP	20.0		**ND**	µg/L	10	02/04/2022 12:32	187431
Xylenes, Total	NELAP	40.0		**200**	µg/L	10	02/04/2022 12:32	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.8**	%REC	10	02/04/2022 12:32	187431
Surr: 4-Bromofluorobenzene	*	80-120		**94.4**	%REC	10	02/04/2022 12:32	187431
Surr: Dibromofluoromethane	*	80-120		**105.1**	%REC	10	02/04/2022 12:32	187431
Surr: Toluene-d8	*	80-120		**90.5**	%REC	10	02/04/2022 12:32	187431

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

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-028 **Client Sample ID:** EB-01-WQ-20220131

Matrix: GROUNDWATER **Collection Date:** 01/31/2022 12:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 14:16	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:43	187405
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	02/04/2022 20:43	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:43	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:43	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:43	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:43	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:43	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:14	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 22:50	187475
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/07/2022 22:50	187475
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/07/2022 22:50	187475
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	02/07/2022 22:50	187475
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	02/07/2022 22:50	187475
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/07/2022 22:50	187475
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.2**	%REC	1	02/07/2022 22:50	187475
Surr: Nitrobenzene-d5	*	15-163		**72.2**	%REC	1	02/07/2022 22:50	187475
Surr: p-Terphenyl-d14	*	10-173		**92.8**	%REC	1	02/07/2022 22:50	187475
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 12:59	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:59	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 12:59	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 12:59	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.7**	%REC	1	02/04/2022 12:59	187431
Surr: 4-Bromofluorobenzene	*	80-120		**96.9**	%REC	1	02/04/2022 12:59	187431
Surr: Dibromofluoromethane	*	80-120		**105.4**	%REC	1	02/04/2022 12:59	187431
Surr: Toluene-d8	*	80-120		**89.9**	%REC	1	02/04/2022 12:59	187431

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22
Lab ID: 22020188-029
Client Sample ID: TB-01-WQ-20220131
Matrix: TRIP BLANK
Collection Date: 02/03/2022 14:15

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	02/04/2022 13:25	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:25	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:25	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 13:25	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.0**	%REC	1	02/04/2022 13:25	187431
Surr: 4-Bromofluorobenzene	*	80-120		**97.8**	%REC	1	02/04/2022 13:25	187431
Surr: Dibromofluoromethane	*	80-120		**104.7**	%REC	1	02/04/2022 13:25	187431
Surr: Toluene-d8	*	80-120		**90.6**	%REC	1	02/04/2022 13:25	187431

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Lab ID: 22020188-030 **Client Sample ID:** EB-02-WQ-20220202

Matrix: GROUNDWATER **Collection Date:** 02/02/2022 7:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	02/08/2022 14:20	187457
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	02/04/2022 20:46	187405
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	02/04/2022 20:46	187405
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	02/04/2022 20:46	187405
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	02/04/2022 20:46	187405
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	02/04/2022 20:46	187405
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	02/04/2022 20:46	187405
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	02/04/2022 20:46	187405
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	02/04/2022 14:21	187402
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Anthracene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 18:38	187509
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Chrysene	NELAP	0.000100		**ND**	mg/L	1	02/08/2022 18:38	187509
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	02/08/2022 18:38	187509
Fluorene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Naphthalene	NELAP	0.000400	H	**ND**	mg/L	1	02/11/2022 14:30	187605
Phenanthrene	NELAP	0.000600	B	**ND**	mg/L	1	02/08/2022 18:38	187509
Pyrene	NELAP	0.000200		**ND**	mg/L	1	02/08/2022 18:38	187509
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.7**	%REC	1	02/08/2022 18:38	187509
Surr: Nitrobenzene-d5	*	15-163		**69.2**	%REC	1	02/08/2022 18:38	187509
Surr: p-Terphenyl-d14	*	10-173		**91.1**	%REC	1	02/08/2022 18:38	187509

Sample required re-extraction out of hold time.

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

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	02/04/2022 13:52	187431
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:52	187431
Toluene	NELAP	2.0		**ND**	µg/L	1	02/04/2022 13:52	187431
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	02/04/2022 13:52	187431
Surr: 1,2-Dichloroethane-d4	*	80-120		**95.6**	%REC	1	02/04/2022 13:52	187431
Surr: 4-Bromofluorobenzene	*	80-120		**96.4**	%REC	1	02/04/2022 13:52	187431
Surr: Dibromofluoromethane	*	80-120		**106.2**	%REC	1	02/04/2022 13:52	187431
Surr: Toluene-d8	*	80-120		**88.8**	%REC	1	02/04/2022 13:52	187431

Client: ERM
Client Project: Champaign GW

Work Order: 22020188
Report Date: 11-Feb-22

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
22020188-001	UMW-102-WG-20220131	Groundwater	4	01/31/2022 13:45
22020188-002	UMW-105-WG-20220201	Groundwater	4	02/01/2022 14:10
22020188-003	UMW-106R-WG-20220201	Groundwater	4	02/01/2022 8:25
22020188-004	UMW-109-WG-20220201	Groundwater	4	02/01/2022 8:10
22020188-005	UMW-111A-WG-20220131	Groundwater	4	01/31/2022 16:55
22020188-006	UMW-116-WG-20220201	Groundwater	4	02/01/2022 10:35
22020188-007	UMW-118-WG-20220201	Groundwater	4	02/01/2022 9:30
22020188-008	UMW-119-WG-20220131	Groundwater	4	01/31/2022 16:05
22020188-009	UMW-120-WG-20220131	Groundwater	4	01/31/2022 14:35
22020188-010	UMW-121-WG-20220201	Groundwater	4	02/01/2022 14:30
22020188-011	UMW-122-WG-20220201	Groundwater	4	02/01/2022 9:30
22020188-012	UMW-123-WG-20220201	Groundwater	4	02/01/2022 10:40
22020188-013	UMW-124-WG-20220202	Groundwater	4	02/02/2022 10:50
22020188-014	UMW-125-WG-20220201	Groundwater	4	02/01/2022 16:50
22020188-015	UMW-126-WG-20220202	Groundwater	4	02/02/2022 9:25
22020188-016	UMW-127-WG-20220201	Groundwater	4	02/01/2022 15:35
22020188-017	UMW-300-WG-20220131	Groundwater	4	01/31/2022 17:40
22020188-018	UMW-301R-WG-20220201	Groundwater	4	02/01/2022 16:50
22020188-019	UMW-302-WG-20220202	Groundwater	4	02/02/2022 12:21
22020188-020	UMW-304R-WG-20220201	Groundwater	4	02/01/2022 15:40
22020188-021	UMW-305-WG-20220201	Groundwater	4	02/01/2022 13:00
22020188-022	UMW-306-WG-20220201	Groundwater	4	02/01/2022 12:20
22020188-023	UMW-307-WG-20220201	Groundwater	4	02/01/2022 11:50
22020188-024	UMW-308-WG-20220202	Groundwater	4	02/02/2022 8:25
22020188-025	DUP 001-WG-20220202	Groundwater	4	02/02/2022 0:00
22020188-026	DUP 002-WG-20220202	Groundwater	4	02/02/2022 0:00
22020188-027	DUP 003-WG-20220202	Groundwater	4	02/02/2022 0:00
22020188-028	EB-01-WQ-20220131	Groundwater	4	01/31/2022 12:35
22020188-029	TB-01-WQ-20220131	Trip Blank	1	02/03/2022 14:15
22020188-030	EB-02-WQ-20220202	Groundwater	4	02/02/2022 7:20

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020188-001A	UMW-102-WG-20220131	01/31/2022 13:45	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 19:16
22020188-001B	UMW-102-WG-20220131	01/31/2022 13:45	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:18
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:19
22020188-001C	UMW-102-WG-20220131	01/31/2022 13:45	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:36
22020188-001D	UMW-102-WG-20220131	01/31/2022 13:45	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 9:03
22020188-002A	UMW-105-WG-20220201	02/01/2022 14:10	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 10:17
22020188-002B	UMW-105-WG-20220201	02/01/2022 14:10	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:22
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:22
22020188-002C	UMW-105-WG-20220201	02/01/2022 14:10	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:40
22020188-002D	UMW-105-WG-20220201	02/01/2022 14:10	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 9:27
22020188-003A	UMW-106R-WG-20220201	02/01/2022 8:25	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 10:58
22020188-003B	UMW-106R-WG-20220201	02/01/2022 8:25	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:26
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:24
22020188-003C	UMW-106R-WG-20220201	02/01/2022 8:25	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:44
22020188-003D	UMW-106R-WG-20220201	02/01/2022 8:25	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 9:51
22020188-004A	UMW-109-WG-20220201	02/01/2022 8:10	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 11:39
22020188-004B	UMW-109-WG-20220201	02/01/2022 8:10	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:29
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:31
22020188-004C	UMW-109-WG-20220201	02/01/2022 8:10	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:48
22020188-004D	UMW-109-WG-20220201	02/01/2022 8:10	02/03/2022 14:15		

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 10:14
22020188-005A	UMW-111A-WG-20220131	01/31/2022 16:55	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 19:59
22020188-005B	UMW-111A-WG-20220131	01/31/2022 16:55	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:33
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:33
22020188-005C	UMW-111A-WG-20220131	01/31/2022 16:55	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:53
22020188-005D	UMW-111A-WG-20220131	01/31/2022 16:55	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 10:38
22020188-006A	UMW-116-WG-20220201	02/01/2022 10:35	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 12:23
22020188-006B	UMW-116-WG-20220201	02/01/2022 10:35	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:37
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:35
22020188-006C	UMW-116-WG-20220201	02/01/2022 10:35	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 11:57
22020188-006D	UMW-116-WG-20220201	02/01/2022 10:35	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 11:01
22020188-007A	UMW-118-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 13:04
22020188-007B	UMW-118-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:40
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:38
22020188-007C	UMW-118-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:01
22020188-007D	UMW-118-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 11:25
22020188-008A	UMW-119-WG-20220131	01/31/2022 16:05	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 20:42
22020188-008B	UMW-119-WG-20220131	01/31/2022 16:05	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:44
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:40
22020188-008C	UMW-119-WG-20220131	01/31/2022 16:05	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:06

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020188-008D	UMW-119-WG-20220131	01/31/2022 16:05	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 11:48
22020188-009A	UMW-120-WG-20220131	01/31/2022 14:35	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 21:25
22020188-009B	UMW-120-WG-20220131	01/31/2022 14:35	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 17:48
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:42
22020188-009C	UMW-120-WG-20220131	01/31/2022 14:35	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:10
22020188-009D	UMW-120-WG-20220131	01/31/2022 14:35	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:12
22020188-010A	UMW-121-WG-20220201	02/01/2022 14:30	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 13:46
22020188-010B	UMW-121-WG-20220201	02/01/2022 14:30	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 18:06
	SW-846 7470A (Total)			02/03/2022 18:39	02/04/2022 12:49
22020188-010C	UMW-121-WG-20220201	02/01/2022 14:30	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:41
22020188-010D	UMW-121-WG-20220201	02/01/2022 14:30	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:35
22020188-011A	UMW-122-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 14:27
22020188-011B	UMW-122-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 18:10
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:17
22020188-011C	UMW-122-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:36
22020188-011D	UMW-122-WG-20220201	02/01/2022 9:30	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:59
22020188-012A	UMW-123-WG-20220201	02/01/2022 10:40	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 15:09
22020188-012B	UMW-123-WG-20220201	02/01/2022 10:40	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 18:14
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:19
22020188-012C	UMW-123-WG-20220201	02/01/2022 10:40	02/03/2022 14:15		

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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)			02/07/2022 12:59	02/08/2022 12:41
22020188-012D	UMW-123-WG-20220201	02/01/2022 10:40	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 13:23
22020188-013A	UMW-124-WG-20220202	02/02/2022 10:50	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 2:19
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 12:23
22020188-013B	UMW-124-WG-20220202	02/02/2022 10:50	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 18:18
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:26
22020188-013C	UMW-124-WG-20220202	02/02/2022 10:50	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:45
22020188-013D	UMW-124-WG-20220202	02/02/2022 10:50	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 13:46
22020188-014A	UMW-125-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 3:01
22020188-014B	UMW-125-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:25	02/04/2022 18:29
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:29
22020188-014C	UMW-125-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:46
22020188-014D	UMW-125-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 14:10
22020188-015A	UMW-126-WG-20220202	02/02/2022 9:25	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 3:43
22020188-015B	UMW-126-WG-20220202	02/02/2022 9:25	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:06
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:31
22020188-015C	UMW-126-WG-20220202	02/02/2022 9:25	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:53
22020188-015D	UMW-126-WG-20220202	02/02/2022 9:25	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 14:34
22020188-016A	UMW-127-WG-20220201	02/01/2022 15:35	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 4:25
22020188-016B	UMW-127-WG-20220201	02/01/2022 15:35	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:10

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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)			02/03/2022 18:42	02/04/2022 13:33
22020188-016C	UMW-127-WG-20220201	02/01/2022 15:35	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 12:58
22020188-016D	UMW-127-WG-20220201	02/01/2022 15:35	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 14:57
22020188-017A	UMW-300-WG-20220131	01/31/2022 17:40	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 22:07
22020188-017B	UMW-300-WG-20220131	01/31/2022 17:40	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:13
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:35
22020188-017C	UMW-300-WG-20220131	01/31/2022 17:40	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:02
22020188-017D	UMW-300-WG-20220131	01/31/2022 17:40	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 15:21
22020188-018A	UMW-301R-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 5:07
22020188-018B	UMW-301R-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:17
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:38
22020188-018C	UMW-301R-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:06
22020188-018D	UMW-301R-WG-20220201	02/01/2022 16:50	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 15:44
22020188-019A	UMW-302-WG-20220202	02/02/2022 12:21	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 5:49
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 14:28
22020188-019B	UMW-302-WG-20220202	02/02/2022 12:21	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:21
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:40
22020188-019C	UMW-302-WG-20220202	02/02/2022 12:21	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:50
22020188-019D	UMW-302-WG-20220202	02/02/2022 12:21	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 16:08
22020188-020A	UMW-304R-WG-20220201	02/01/2022 15:40	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 6:31

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 15:52
22020188-020B	UMW-304R-WG-20220201	02/01/2022 15:40	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:24
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:42
22020188-020C	UMW-304R-WG-20220201	02/01/2022 15:40	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:15
22020188-020D	UMW-304R-WG-20220201	02/01/2022 15:40	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 16:32
22020188-021A	UMW-305-WG-20220201	02/01/2022 13:00	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 11:34	02/09/2022 0:13
22020188-021B	UMW-305-WG-20220201	02/01/2022 13:00	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:43
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:44
22020188-021C	UMW-305-WG-20220201	02/01/2022 13:00	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 9:34
22020188-021D	UMW-305-WG-20220201	02/01/2022 13:00	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 16:56
22020188-022A	UMW-306-WG-20220201	02/01/2022 12:20	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 15:50
22020188-022B	UMW-306-WG-20220201	02/01/2022 12:20	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 19:54
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 13:56
22020188-022C	UMW-306-WG-20220201	02/01/2022 12:20	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 10:09
22020188-022D	UMW-306-WG-20220201	02/01/2022 12:20	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 9:26
22020188-023A	UMW-307-WG-20220201	02/01/2022 11:50	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 14:22	02/08/2022 17:56
22020188-023B	UMW-307-WG-20220201	02/01/2022 11:50	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:05
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:03
22020188-023C	UMW-307-WG-20220201	02/01/2022 11:50	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:54
22020188-023D	UMW-307-WG-20220201	02/01/2022 11:50	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 10:46

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
22020188-024A	UMW-308-WG-20220202	02/02/2022 8:25	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 7:14
22020188-024B	UMW-308-WG-20220202	02/02/2022 8:25	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:09
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:05
22020188-024C	UMW-308-WG-20220202	02/02/2022 8:25	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 13:58
22020188-024D	UMW-308-WG-20220202	02/02/2022 8:25	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 11:12
22020188-025A	DUP 001-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 7:56
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 13:05
22020188-025B	DUP 001-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:31
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:08
22020188-025C	DUP 001-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:03
22020188-025D	DUP 001-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 11:39
22020188-026A	DUP 002-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/08/2022 20:01
22020188-026B	DUP 002-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:35
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:10
22020188-026C	DUP 002-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:07
22020188-026D	DUP 002-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:05
22020188-027A	DUP 003-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/08/2022 19:20
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/09/2022 15:10
22020188-027B	DUP 003-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:39
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:12
22020188-027C	DUP 003-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 16:56
22020188-027D	DUP 003-WG-20220202	02/02/2022 0:00	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:32
22020188-028A	EB-01-WQ-20220131	01/31/2022 12:35	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/07/2022 11:54	02/07/2022 22:50
22020188-028B	EB-01-WQ-20220131	01/31/2022 12:35	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:43
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:14
22020188-028C	EB-01-WQ-20220131	01/31/2022 12:35	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:16
22020188-028D	EB-01-WQ-20220131	01/31/2022 12:35	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 12:59
22020188-029A	TB-01-WQ-20220131	02/03/2022 14:15	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 13:25
22020188-030A	EB-02-WQ-20220202	02/02/2022 7:20	02/03/2022 14:15		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/08/2022 13:01	02/08/2022 18:38
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			02/11/2022 10:57	02/11/2022 14:30
22020188-030B	EB-02-WQ-20220202	02/02/2022 7:20	02/03/2022 14:15		
	SW-846 3005A, 6010B, Metals by ICP (Total)			02/03/2022 20:28	02/04/2022 20:46
	SW-846 7470A (Total)			02/03/2022 18:42	02/04/2022 14:21
22020188-030C	EB-02-WQ-20220202	02/02/2022 7:20	02/03/2022 14:15		
	SW-846 9012A (Total)			02/07/2022 12:59	02/08/2022 14:20
22020188-030D	EB-02-WQ-20220202	02/02/2022 7:20	02/03/2022 14:15		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				02/04/2022 13:52

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

SW-846 9012A (TOTAL)

Batch 187456 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220207 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	02/08/2022

Batch 187456 **SampType:** LCS Units **mg/L**
SampID: LCS 220207 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.1	85	115	02/08/2022

Batch 187456 **SampType:** MS Units **mg/L**
SampID: 22020188-010CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.085**	0.0250	0.06009	98.1	75	125	02/08/2022

Batch 187456 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020188-010CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.087**	0.0250	0.06009	109.0	0.08462	3.16	02/08/2022

Batch 187456 **SampType:** MS Units **mg/L**
SampID: 22020188-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.036**	0.0250	0.01014	103.2	75	125	02/08/2022

Batch 187456 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 22020188-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.036**	0.0250	0.01014	101.6	0.03593	1.08	02/08/2022

Batch 187457 **SampType:** MBLK Units **mg/L**
SampID: MBLK 220207 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	02/08/2022

Batch 187457 **SampType:** LCS Units **mg/L**
SampID: LCS 220207 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.3	90	110	02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

SW-846 9012A (TOTAL)

Batch 187457 **SampType:** MS Units **mg/L**

SampID: 22020188-022CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.037**	0.0250	0.01350	94.1	75	125	02/08/2022

Batch 187457 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22020188-022CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.038**	0.0250	0.01350	98.3	0.03704	2.80	02/08/2022

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

Batch 187404 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187404

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	02/04/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/04/2022
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/04/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/04/2022
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	02/04/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/04/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/04/2022

Batch 187404 **SampType:** LCS Units **mg/L**

SampID: LCS-187404

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.532**	0.5000	0	106.4	85	115	02/04/2022
Barium		0.0025		**2.06**	2.000	0	103.0	85	115	02/04/2022
Cadmium		0.0020		**0.0509**	0.0500	0	101.8	85	115	02/04/2022
Chromium		0.0050		**0.202**	0.2000	0	101.0	85	115	02/04/2022
Lead		0.0150		**0.512**	0.5000	0	102.4	85	115	02/04/2022
Selenium		0.0400		**0.504**	0.5000	0	100.8	85	115	02/04/2022
Silver		0.0070		**0.0523**	0.0500	0	104.6	85	115	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187404 **SampType:** MS Units **mg/L**

SampID: 22020188-013BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.541**	0.5000	0	108.2	75	125	02/04/2022
Barium		0.0025		**2.11**	2.000	0.02980	104.2	75	125	02/04/2022
Cadmium		0.0020		**0.0511**	0.0500	0	102.2	75	125	02/04/2022
Chromium		0.0050		**0.203**	0.2000	0	101.5	75	125	02/04/2022
Lead		0.0150		**0.515**	0.5000	0	103.0	75	125	02/04/2022
Selenium		0.0400		**0.498**	0.5000	0	99.7	75	125	02/04/2022
Silver		0.0070		**0.0526**	0.0500	0	105.2	75	125	02/04/2022

Batch 187404 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22020188-013BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.533**	0.5000	0	106.6	0.5408	1.47	02/04/2022
Barium		0.0025		**2.09**	2.000	0.02980	102.9	2.113	1.24	02/04/2022
Cadmium		0.0020		**0.0505**	0.0500	0	101.0	0.05110	1.18	02/04/2022
Chromium		0.0050		**0.200**	0.2000	0	100.0	0.2030	1.44	02/04/2022
Lead		0.0150		**0.507**	0.5000	0	101.3	0.5150	1.66	02/04/2022
Selenium		0.0400		**0.487**	0.5000	0	97.5	0.4984	2.23	02/04/2022
Silver		0.0070		**0.0525**	0.0500	0	105.0	0.05260	0.19	02/04/2022

Batch 187404 **SampType:** MS Units **mg/L**

SampID: 22020188-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.536**	0.5000	0	107.2	75	125	02/04/2022
Barium		0.0025		**2.06**	2.000	0.01200	102.4	75	125	02/04/2022
Cadmium		0.0020		**0.0497**	0.0500	0.0009000	97.6	75	125	02/04/2022
Chromium		0.0050		**0.196**	0.2000	0	98.2	75	125	02/04/2022
Lead		0.0150		**0.495**	0.5000	0	99.0	75	125	02/04/2022
Selenium		0.0400		**0.500**	0.5000	0	99.9	75	125	02/04/2022
Silver		0.0070		**0.0530**	0.0500	0	106.0	75	125	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187404 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22020188-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.538**	0.5000	0	107.6	0.5360	0.41	02/04/2022
Barium		0.0025		**2.09**	2.000	0.01200	103.8	2.060	1.35	02/04/2022
Cadmium		0.0020		**0.0502**	0.0500	0.0009000	98.6	0.04970	1.00	02/04/2022
Chromium		0.0050		**0.198**	0.2000	0	99.2	0.1965	0.96	02/04/2022
Lead		0.0150		**0.501**	0.5000	0	100.3	0.4950	1.26	02/04/2022
Selenium		0.0400		**0.508**	0.5000	0	101.6	0.4997	1.61	02/04/2022
Silver		0.0070		**0.0533**	0.0500	0	106.6	0.05300	0.56	02/04/2022

Batch 187405 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187405

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	02/04/2022
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	02/04/2022
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	02/04/2022
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	02/04/2022
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	02/04/2022
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	02/04/2022
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	02/04/2022

Batch 187405 **SampType:** LCS Units **mg/L**

SampID: LCS-187405

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.526**	0.5000	0	105.1	85	115	02/04/2022
Barium		0.0025		**2.06**	2.000	0	103.0	85	115	02/04/2022
Cadmium		0.0020		**0.0502**	0.0500	0	100.4	85	115	02/04/2022
Chromium		0.0050		**0.200**	0.2000	0	100.2	85	115	02/04/2022
Lead		0.0150		**0.510**	0.5000	0	101.9	85	115	02/04/2022
Selenium		0.0400		**0.505**	0.5000	0	101.0	85	115	02/04/2022
Silver		0.0070		**0.0519**	0.0500	0	103.8	85	115	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187405 **SampType:** MS Units **mg/L**

SampID: 22020188-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.532**	0.5000	0	106.4	75	125	02/04/2022
Barium		0.0025		**2.17**	2.000	0.1051	103.0	75	125	02/04/2022
Cadmium		0.0020		**0.0497**	0.0500	0	99.4	75	125	02/04/2022
Chromium		0.0050		**0.201**	0.2000	0	100.4	75	125	02/04/2022
Lead		0.0150		**0.502**	0.5000	0	100.5	75	125	02/04/2022
Selenium		0.0400		**0.500**	0.5000	0	100.0	75	125	02/04/2022
Silver		0.0070		**0.0528**	0.0500	0	105.6	75	125	02/04/2022

Batch 187405 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22020188-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.519**	0.5000	0	103.8	0.5322	2.53	02/04/2022
Barium		0.0025		**2.13**	2.000	0.1051	101.3	2.166	1.58	02/04/2022
Cadmium		0.0020		**0.0490**	0.0500	0	98.0	0.04970	1.42	02/04/2022
Chromium		0.0050		**0.197**	0.2000	0	98.5	0.2008	1.96	02/04/2022
Lead		0.0150		**0.498**	0.5000	0	99.6	0.5024	0.88	02/04/2022
Selenium		0.0400		**0.490**	0.5000	0	98.1	0.5002	2.00	02/04/2022
Silver		0.0070		**0.0516**	0.0500	0	103.2	0.05280	2.30	02/04/2022

Batch 187405 **SampType:** MS Units **mg/L**

SampID: 22020188-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.549**	0.5000	0	109.9	75	125	02/04/2022
Barium		0.0025		**2.26**	2.000	0.1152	107.1	75	125	02/04/2022
Cadmium		0.0020		**0.0517**	0.0500	0	103.4	75	125	02/04/2022
Chromium		0.0050		**0.209**	0.2000	0	104.3	75	125	02/04/2022
Lead		0.0150		**0.520**	0.5000	0	104.0	75	125	02/04/2022
Selenium		0.0400		**0.520**	0.5000	0	104.0	75	125	02/04/2022
Silver		0.0070		**0.0543**	0.0500	0	108.6	75	125	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187405 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 22020188-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.548**	0.5000	0	109.6	0.5494	0.27	02/04/2022
Barium		0.0025		**2.26**	2.000	0.1152	107.0	2.258	0.13	02/04/2022
Cadmium		0.0020		**0.0515**	0.0500	0	103.0	0.05170	0.39	02/04/2022
Chromium		0.0050		**0.207**	0.2000	0	103.4	0.2086	0.82	02/04/2022
Lead		0.0150		**0.520**	0.5000	0	103.9	0.5202	0.12	02/04/2022
Selenium		0.0400		**0.511**	0.5000	0	102.2	0.5200	1.71	02/04/2022
Silver		0.0070		**0.0543**	0.0500	0	108.6	0.05430	0.00	02/04/2022

SW-846 7470A (TOTAL)

Batch 187401 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187401

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	02/04/2022

Batch 187401 **SampType:** LCS Units **mg/L**

SampID: LCS-187401

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00449**	0.0050	0	89.7	85	115	02/04/2022

Batch 187401 **SampType:** MS Units **mg/L**

SampID: 22020188-009BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00485**	0.0050	0	96.9	75	125	02/04/2022

Batch 187401 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22020188-009BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00471**	0.0050	0	94.1	0.004847	2.94	02/04/2022

Batch 187401 **SampType:** MS Units **mg/L**

SampID: 22020188-010BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00469**	0.0050	0	93.7	75	125	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

SW-846 7470A (TOTAL)

Batch 187401 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22020188-010BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00464**	0.0050	0	92.9	0.004687	0.94	02/04/2022

Batch 187402 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187402

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	02/04/2022

Batch 187402 **SampType:** LCS Units **mg/L**

SampID: LCS-187402

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00475**	0.0050	0	95.0	85	115	02/04/2022

Batch 187402 **SampType:** MS Units **mg/L**

SampID: 22020188-021BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00472**	0.0050	0	94.5	75	125	02/04/2022

Batch 187402 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22020188-021BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00467**	0.0050	0	93.5	0.004723	1.03	02/04/2022

Batch 187402 **SampType:** MS Units **mg/L**

SampID: 22020188-022BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00488**	0.0050	0	97.6	75	125	02/04/2022

Batch 187402 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 22020188-022BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00492**	0.0050	0	98.4	0.004881	0.82	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187475 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187475

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/07/2022
Acenaphthylene		0.000100		**ND**						02/07/2022
Anthracene		0.000300		**ND**						02/07/2022
Benzo(a)anthracene		0.000100		**ND**						02/07/2022
Benzo(a)pyrene		0.000200		**ND**						02/07/2022
Benzo(b)fluoranthene		0.000100		**ND**						02/07/2022
Benzo(g,h,i)perylene		0.000200		**ND**						02/07/2022
Benzo(k)fluoranthene		0.000100		**ND**						02/07/2022
Chrysene		0.000100		**ND**						02/07/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						02/07/2022
Fluoranthene		0.000300		**ND**						02/07/2022
Fluorene		0.000200		**ND**						02/07/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/07/2022
Naphthalene		0.000400		**ND**						02/07/2022
Phenanthrene		0.000600		**ND**						02/07/2022
Pyrene		0.000200		**ND**						02/07/2022
Surr: 2-Fluorobiphenyl	*			**0.000922**	0.0010		92.2	45.5	94.3	02/07/2022
Surr: Nitrobenzene-d5	*			**0.000775**	0.0010		77.5	51.6	102	02/07/2022
Surr: p-Terphenyl-d14	*			**0.00114**	0.0010		113.7	60.8	130	02/07/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187475 **SampType:** LCS Units **mg/L**

SampID: LCS-187475

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00155**	0.0020	0	77.4	54.7	110	02/07/2022
Acenaphthylene		0.000100		**0.00174**	0.0020	0	87.2	56.2	116	02/07/2022
Anthracene		0.000300		**0.00174**	0.0020	0	86.9	55.3	113	02/07/2022
Benzo(a)anthracene		0.000100		**0.00165**	0.0020	0	82.3	54.6	112	02/07/2022
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.2	57.2	118	02/07/2022
Benzo(b)fluoranthene		0.000100		**0.00166**	0.0020	0	83.0	50.3	119	02/07/2022
Benzo(g,h,i)perylene		0.000200		**0.00181**	0.0020	0	90.3	59.3	122	02/07/2022
Benzo(k)fluoranthene		0.000100		**0.00170**	0.0020	0	84.9	58.8	114	02/07/2022
Chrysene		0.000100		**0.00171**	0.0020	0	85.6	58.9	113	02/07/2022
Dibenzo(a,h)anthracene		0.000200		**0.00172**	0.0020	0	85.8	50	134	02/07/2022
Fluoranthene		0.000300		**0.00180**	0.0020	0	89.8	61.2	114	02/07/2022
Fluorene		0.000200		**0.00164**	0.0020	0	82.2	61.6	110	02/07/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00187**	0.0020	0	93.4	54.3	128	02/07/2022
Naphthalene		0.000400		**0.00176**	0.0020	0	87.8	51.7	105	02/07/2022
Phenanthrene		0.000600		**0.00175**	0.0020	0	87.6	60.9	121	02/07/2022
Pyrene		0.000200		**0.00183**	0.0020	0	91.6	59.1	114	02/07/2022
Surr: 2-Fluorobiphenyl	*			**0.000932**	0.0010		93.2	45.5	94.3	02/07/2022
Surr: Nitrobenzene-d5	*			**0.000760**	0.0010		76.0	51.6	102	02/07/2022
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		108.9	60.8	130	02/07/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187475 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-187475

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00158**	0.0020	0	79.2	0.001548	2.32	02/07/2022
Acenaphthylene		0.000100		**0.00175**	0.0020	0	87.7	0.001744	0.57	02/07/2022
Anthracene		0.000300		**0.00174**	0.0020	0	87.1	0.001738	0.25	02/07/2022
Benzo(a)anthracene		0.000100		**0.00164**	0.0020	0	82.2	0.001646	0.15	02/07/2022
Benzo(a)pyrene		0.000200		**0.00161**	0.0020	0	80.4	0.001683	4.51	02/07/2022
Benzo(b)fluoranthene		0.000100		**0.00164**	0.0020	0	82.2	0.001660	0.92	02/07/2022
Benzo(g,h,i)perylene		0.000200		**0.00178**	0.0020	0	89.0	0.001806	1.42	02/07/2022
Benzo(k)fluoranthene		0.000100		**0.00162**	0.0020	0	81.2	0.001697	4.35	02/07/2022
Chrysene		0.000100		**0.00172**	0.0020	0	85.9	0.001712	0.29	02/07/2022
Dibenzo(a,h)anthracene		0.000200		**0.00180**	0.0020	0	89.9	0.001716	4.61	02/07/2022
Fluoranthene		0.000300		**0.00187**	0.0020	0	93.5	0.001797	4.01	02/07/2022
Fluorene		0.000200		**0.00166**	0.0020	0	82.8	0.001644	0.70	02/07/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00186**	0.0020	0	92.9	0.001869	0.62	02/07/2022
Naphthalene		0.000400		**0.00178**	0.0020	0	89.2	0.001756	1.50	02/07/2022
Phenanthrene		0.000600		**0.00176**	0.0020	0	88.2	0.001751	0.67	02/07/2022
Pyrene		0.000200		**0.00186**	0.0020	0	93.0	0.001832	1.52	02/07/2022
Surr: 2-Fluorobiphenyl	*			**0.000895**	0.0010		89.5			02/07/2022
Surr: Nitrobenzene-d5	*			**0.000804**	0.0010		80.4			02/07/2022
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		109.7			02/07/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187475 **SampType:** MS Units **mg/L**

SampID: 22020188-022AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00147**	0.0020	0	73.3	28.3	133	02/08/2022
Acenaphthylene		0.000100		**0.00161**	0.0020	0	80.3	5	176	02/08/2022
Anthracene		0.000300		**0.00157**	0.0020	0	78.7	34.6	131	02/08/2022
Benzo(a)anthracene		0.000100		**0.00150**	0.0020	0	75.2	40.3	132	02/08/2022
Benzo(a)pyrene		0.000200		**0.00151**	0.0020	0	75.5	40.8	132	02/08/2022
Benzo(b)fluoranthene		0.000100		**0.00148**	0.0020	0	73.9	41.9	132	02/08/2022
Benzo(g,h,i)perylene		0.000200		**0.00157**	0.0020	0	78.5	46	132	02/08/2022
Benzo(k)fluoranthene		0.000100		**0.00155**	0.0020	0	77.5	49.4	126	02/08/2022
Chrysene		0.000100		**0.00162**	0.0020	0	80.9	46.1	129	02/08/2022
Dibenzo(a,h)anthracene		0.000200		**0.00160**	0.0020	0	79.8	42.1	146	02/08/2022
Fluoranthene		0.000300		**0.00162**	0.0020	0	80.8	23.9	164	02/08/2022
Fluorene		0.000200		**0.00156**	0.0020	0	78.0	24.3	148	02/08/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00160**	0.0020	0	80.2	26.6	157	02/08/2022
Naphthalene		0.000400		**0.00162**	0.0020	0	80.9	24.2	132	02/08/2022
Phenanthrene		0.000600		**0.00161**	0.0020	0	80.7	36.6	139	02/08/2022
Pyrene		0.000200		**0.00159**	0.0020	0	79.5	14.6	169	02/08/2022
Surr: 2-Fluorobiphenyl	*			**0.000775**	0.0010		77.5	21.4	142	02/08/2022
Surr: Nitrobenzene-d5	*			**0.000727**	0.0010		72.7	15	163	02/08/2022
Surr: p-Terphenyl-d14	*			**0.000844**	0.0010		84.4	10	173	02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187475 **SampType:** MSD Units **mg/L** RPD Limit: **40**

SampID: 22020188-022AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00158**	0.0020	0	79.2	0.001465	7.72	02/08/2022
Acenaphthylene		0.000100		**0.00175**	0.0020	0	87.3	0.001605	8.36	02/08/2022
Anthracene		0.000300		**0.00167**	0.0020	0	83.5	0.001575	5.89	02/08/2022
Benzo(a)anthracene		0.000100		**0.00155**	0.0020	0	77.5	0.001503	3.09	02/08/2022
Benzo(a)pyrene		0.000200		**0.00153**	0.0020	0	76.4	0.001511	1.20	02/08/2022
Benzo(b)fluoranthene		0.000100		**0.00157**	0.0020	0	78.3	0.001479	5.69	02/08/2022
Benzo(g,h,i)perylene		0.000200		**0.00165**	0.0020	0	82.5	0.001569	5.00	02/08/2022
Benzo(k)fluoranthene		0.000100		**0.00160**	0.0020	0	79.8	0.001550	2.85	02/08/2022
Chrysene		0.000100		**0.00172**	0.0020	0	85.9	0.001619	5.92	02/08/2022
Dibenzo(a,h)anthracene		0.000200		**0.00161**	0.0020	0	80.5	0.001596	0.89	02/08/2022
Fluoranthene		0.000300		**0.00175**	0.0020	0	87.3	0.001616	7.80	02/08/2022
Fluorene		0.000200		**0.00166**	0.0020	0	82.8	0.001560	5.94	02/08/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00162**	0.0020	0	81.0	0.001604	0.95	02/08/2022
Naphthalene		0.000400		**0.00170**	0.0020	0	85.2	0.001618	5.13	02/08/2022
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.4	0.001614	3.25	02/08/2022
Pyrene		0.000200		**0.00169**	0.0020	0	84.3	0.001591	5.83	02/08/2022
Surr: 2-Fluorobiphenyl	*			**0.000815**	0.0010		81.5			02/08/2022
Surr: Nitrobenzene-d5	*			**0.000785**	0.0010		78.5			02/08/2022
Surr: p-Terphenyl-d14	*			**0.000908**	0.0010		90.8			02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187509 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/08/2022
Acenaphthylene		0.000100		**ND**						02/08/2022
Anthracene		0.000300		**ND**						02/08/2022
Benzo(a)anthracene		0.000100		**ND**						02/08/2022
Benzo(a)pyrene		0.000200		**ND**						02/08/2022
Benzo(b)fluoranthene		0.000100		**ND**						02/08/2022
Benzo(g,h,i)perylene		0.000200		**ND**						02/08/2022
Benzo(k)fluoranthene		0.000100		**ND**						02/08/2022
Chrysene		0.000100		**ND**						02/08/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						02/08/2022
Fluoranthene		0.000300		**ND**						02/08/2022
Fluorene		0.000200		**ND**						02/08/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/08/2022
Naphthalene		0.000400		**ND**						02/08/2022
Phenanthrene		0.000600		**0.000603**						02/08/2022
Pyrene		0.000200		**ND**						02/08/2022
Surr: 2-Fluorobiphenyl	*			**0.000791**	0.0010		79.1	45.5	94.3	02/08/2022
Surr: Nitrobenzene-d5	*			**0.000869**	0.0010		86.9	51.6	102	02/08/2022
Surr: p-Terphenyl-d14	*			**0.000892**	0.0010		89.2	60.8	130	02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187509 **SampType:** LCS Units **mg/L**

SampID: LCS-187509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00151**	0.0020	0	75.6	54.7	110	02/08/2022
Acenaphthylene		0.000100		**0.00167**	0.0020	0	83.7	56.2	116	02/08/2022
Anthracene		0.000300		**0.00158**	0.0020	0	79.0	55.3	113	02/08/2022
Benzo(a)anthracene		0.000100		**0.00145**	0.0020	0	72.3	54.6	112	02/08/2022
Benzo(a)pyrene		0.000200		**0.00139**	0.0020	0	69.6	57.2	118	02/08/2022
Benzo(b)fluoranthene		0.000100		**0.00140**	0.0020	0	70.0	50.3	119	02/08/2022
Benzo(g,h,i)perylene		0.000200		**0.00147**	0.0020	0	73.4	59.3	122	02/08/2022
Benzo(k)fluoranthene		0.000100		**0.00138**	0.0020	0	69.2	58.8	114	02/08/2022
Chrysene		0.000100		**0.00159**	0.0020	0	79.7	58.9	113	02/08/2022
Dibenzo(a,h)anthracene		0.000200		**0.00144**	0.0020	0	72.2	50	134	02/08/2022
Fluoranthene		0.000300		**0.00163**	0.0020	0	81.6	61.2	114	02/08/2022
Fluorene		0.000200		**0.00160**	0.0020	0	80.1	61.6	110	02/08/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00152**	0.0020	0	76.0	54.3	128	02/08/2022
Naphthalene		0.000400		**0.00156**	0.0020	0	77.9	51.7	105	02/08/2022
Phenanthrene		0.000600	B	**0.00161**	0.0020	0	80.4	60.9	121	02/08/2022
Pyrene		0.000200		**0.00159**	0.0020	0	79.7	59.1	114	02/08/2022
Surr: 2-Fluorobiphenyl	*			**0.000772**	0.0010		77.2	45.5	94.3	02/08/2022
Surr: Nitrobenzene-d5	*			**0.000725**	0.0010		72.5	51.6	102	02/08/2022
Surr: p-Terphenyl-d14	*			**0.000755**	0.0010		75.5	60.8	130	02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187509 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-187509

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00147**	0.0020	0	73.4	0.001512	2.88	02/08/2022
Acenaphthylene		0.000100		**0.00165**	0.0020	0	82.7	0.001673	1.14	02/08/2022
Anthracene		0.000300		**0.00165**	0.0020	0	82.4	0.001579	4.29	02/08/2022
Benzo(a)anthracene		0.000100		**0.00130**	0.0020	0	65.2	0.001447	10.33	02/08/2022
Benzo(a)pyrene		0.000200		**0.00123**	0.0020	0	61.4	0.001392	12.51	02/08/2022
Benzo(b)fluoranthene		0.000100		**0.00123**	0.0020	0	61.5	0.001399	12.90	02/08/2022
Benzo(g,h,i)perylene		0.000200		**0.00126**	0.0020	0	63.2	0.001467	14.85	02/08/2022
Benzo(k)fluoranthene		0.000100		**0.00129**	0.0020	0	64.7	0.001385	6.78	02/08/2022
Chrysene		0.000100		**0.00140**	0.0020	0	69.8	0.001594	13.26	02/08/2022
Dibenzo(a,h)anthracene		0.000200		**0.00125**	0.0020	0	62.3	0.001443	14.64	02/08/2022
Fluoranthene		0.000300		**0.00162**	0.0020	0	81.0	0.001633	0.76	02/08/2022
Fluorene		0.000200		**0.00149**	0.0020	0	74.4	0.001602	7.29	02/08/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00129**	0.0020	0	64.4	0.001520	16.47	02/08/2022
Naphthalene		0.000400		**0.00159**	0.0020	0	79.6	0.001558	2.17	02/08/2022
Phenanthrene		0.000600	B	**0.00164**	0.0020	0	82.1	0.001607	2.14	02/08/2022
Pyrene		0.000200		**0.00161**	0.0020	0	80.7	0.001594	1.23	02/08/2022
Surr: 2-Fluorobiphenyl	*			**0.000764**	0.0010		76.4			02/08/2022
Surr: Nitrobenzene-d5	*			**0.000705**	0.0010		70.5			02/08/2022
Surr: p-Terphenyl-d14	*			**0.000666**	0.0010		66.6			02/08/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187509 **SampType:** MS Units **mg/L**

SampID: 22020188-021AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00148**	0.0020	0	74.2	28.3	133	02/09/2022
Acenaphthylene		0.000100		**0.00170**	0.0020	0	84.9	5	176	02/09/2022
Anthracene		0.000300		**0.00155**	0.0020	0.0002655	64.1	34.6	131	02/09/2022
Benzo(a)anthracene		0.000100		**0.00138**	0.0020	0	68.8	40.3	132	02/09/2022
Benzo(a)pyrene		0.000200		**0.00128**	0.0020	0	64.0	40.8	132	02/09/2022
Benzo(b)fluoranthene		0.000100		**0.00132**	0.0020	0	65.8	41.9	132	02/09/2022
Benzo(g,h,i)perylene		0.000200		**0.00130**	0.0020	0	65.2	46	132	02/09/2022
Benzo(k)fluoranthene		0.000100		**0.00131**	0.0020	0	65.3	49.4	126	02/09/2022
Chrysene		0.000100		**0.00147**	0.0020	0	73.6	46.1	129	02/09/2022
Dibenzo(a,h)anthracene		0.000200		**0.00130**	0.0020	0	64.9	42.1	146	02/09/2022
Fluoranthene		0.000300		**0.00166**	0.0020	0	83.0	23.9	164	02/09/2022
Fluorene		0.000200		**0.00154**	0.0020	0	76.8	24.3	148	02/09/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00135**	0.0020	0	67.5	26.6	157	02/09/2022
Naphthalene		0.000400		**0.00158**	0.0020	0	78.9	24.2	132	02/09/2022
Phenanthrene		0.000600	B	**0.00159**	0.0020	0	79.3	36.6	139	02/09/2022
Pyrene		0.000200		**0.00160**	0.0020	0	79.8	14.6	169	02/09/2022
Surr: 2-Fluorobiphenyl	*			**0.000782**	0.0010		78.2	21.4	142	02/09/2022
Surr: Nitrobenzene-d5	*			**0.000720**	0.0010		72.0	15	163	02/09/2022
Surr: p-Terphenyl-d14	*			**0.000769**	0.0010		76.9	10	173	02/09/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187509 **SampType:** MSD Units **mg/L** RPD Limit: **40**

SampID: 22020188-021AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00143**	0.0020	0	71.6	0.001483	3.54	02/09/2022
Acenaphthylene		0.000100		**0.00171**	0.0020	0	85.6	0.001698	0.79	02/09/2022
Anthracene		0.000300		**0.00152**	0.0020	0.0002655	62.9	0.001547	1.56	02/09/2022
Benzo(a)anthracene		0.000100		**0.00134**	0.0020	0	66.9	0.001377	2.82	02/09/2022
Benzo(a)pyrene		0.000200		**0.00133**	0.0020	0	66.4	0.001280	3.71	02/09/2022
Benzo(b)fluoranthene		0.000100		**0.00132**	0.0020	0	65.8	0.001317	0.11	02/09/2022
Benzo(g,h,i)perylene		0.000200		**0.00130**	0.0020	0	64.8	0.001305	0.61	02/09/2022
Benzo(k)fluoranthene		0.000100		**0.00131**	0.0020	0	65.6	0.001307	0.34	02/09/2022
Chrysene		0.000100		**0.00145**	0.0020	0	72.4	0.001472	1.66	02/09/2022
Dibenzo(a,h)anthracene		0.000200		**0.00131**	0.0020	0	65.5	0.001297	1.01	02/09/2022
Fluoranthene		0.000300		**0.00155**	0.0020	0	77.4	0.001660	7.04	02/09/2022
Fluorene		0.000200		**0.00156**	0.0020	0	77.8	0.001536	1.31	02/09/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00132**	0.0020	0	66.1	0.001350	2.13	02/09/2022
Naphthalene		0.000400		**0.00159**	0.0020	0	79.5	0.001579	0.77	02/09/2022
Phenanthrene		0.000600	B	**0.00158**	0.0020	0	79.1	0.001586	0.26	02/09/2022
Pyrene		0.000200		**0.00159**	0.0020	0	79.4	0.001596	0.47	02/09/2022
Surr: 2-Fluorobiphenyl	*			**0.000768**	0.0010		76.8			02/09/2022
Surr: Nitrobenzene-d5	*			**0.000692**	0.0010		69.2			02/09/2022
Surr: p-Terphenyl-d14	*			**0.000736**	0.0010		73.6			02/09/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187605 **SampType:** MBLK Units **mg/L**

SampID: MBLK-187605

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						02/11/2022
Acenaphthylene		0.000100		**ND**						02/11/2022
Anthracene		0.000300		**ND**						02/11/2022
Benzo(a)anthracene		0.000100		**ND**						02/11/2022
Benzo(a)pyrene		0.000200		**ND**						02/11/2022
Benzo(b)fluoranthene		0.000100		**ND**						02/11/2022
Benzo(g,h,i)perylene		0.000200		**ND**						02/11/2022
Benzo(k)fluoranthene		0.000100		**ND**						02/11/2022
Chrysene		0.000100		**ND**						02/11/2022
Dibenzo(a,h)anthracene		0.000200		**ND**						02/11/2022
Fluoranthene		0.000300		**ND**						02/11/2022
Fluorene		0.000200		**ND**						02/11/2022
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						02/11/2022
Naphthalene		0.000400		**ND**						02/11/2022
Phenanthrene		0.000600		**ND**						02/11/2022
Pyrene		0.000200		**ND**						02/11/2022
Surr: 2-Fluorobiphenyl	*			**0.000728**	0.0010		72.8	45.5	94.3	02/11/2022
Surr: Nitrobenzene-d5	*			**0.000641**	0.0010		64.1	51.6	102	02/11/2022
Surr: p-Terphenyl-d14	*			**0.000741**	0.0010		74.1	60.8	130	02/11/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187605 **SampType:** LCS Units **mg/L**

SampID: LCS-187605

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00136**	0.0020	0	67.8	54.7	110	02/11/2022
Acenaphthylene		0.000100		**0.00156**	0.0020	0	78.1	56.2	116	02/11/2022
Anthracene		0.000300		**0.00139**	0.0020	0	69.7	55.3	113	02/11/2022
Benzo(a)anthracene		0.000100		**0.00138**	0.0020	0	68.8	54.6	112	02/11/2022
Benzo(a)pyrene		0.000200		**0.00142**	0.0020	0	71.1	57.2	118	02/11/2022
Benzo(b)fluoranthene		0.000100		**0.00139**	0.0020	0	69.6	50.3	119	02/11/2022
Benzo(g,h,i)perylene		0.000200		**0.00143**	0.0020	0	71.7	59.3	122	02/11/2022
Benzo(k)fluoranthene		0.000100		**0.00144**	0.0020	0	71.8	58.8	114	02/11/2022
Chrysene		0.000100		**0.00147**	0.0020	0	73.5	58.9	113	02/11/2022
Dibenzo(a,h)anthracene		0.000200		**0.00139**	0.0020	0	69.3	50	134	02/11/2022
Fluoranthene		0.000300		**0.00144**	0.0020	0	72.1	61.2	114	02/11/2022
Fluorene		0.000200		**0.00131**	0.0020	0	65.5	61.6	110	02/11/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00146**	0.0020	0	73.2	54.3	128	02/11/2022
Naphthalene		0.000400		**0.00136**	0.0020	0	68.2	51.7	105	02/11/2022
Phenanthrene		0.000600		**0.00144**	0.0020	0	72.2	60.9	121	02/11/2022
Pyrene		0.000200		**0.00140**	0.0020	0	70.0	59.1	114	02/11/2022
Surr: 2-Fluorobiphenyl	*			**0.000692**	0.0010		69.2	45.5	94.3	02/11/2022
Surr: Nitrobenzene-d5	*			**0.000609**	0.0010		60.9	51.6	102	02/11/2022
Surr: p-Terphenyl-d14	*			**0.000759**	0.0010		75.9	60.8	130	02/11/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187605 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-187605

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00129**	0.0020	0	64.3	0.001356	5.31	02/11/2022
Acenaphthylene		0.000100		**0.00139**	0.0020	0	69.3	0.001562	11.87	02/11/2022
Anthracene		0.000300		**0.00135**	0.0020	0	67.5	0.001393	3.16	02/11/2022
Benzo(a)anthracene		0.000100		**0.00131**	0.0020	0	65.3	0.001376	5.17	02/11/2022
Benzo(a)pyrene		0.000200		**0.00129**	0.0020	0	64.4	0.001422	9.92	02/11/2022
Benzo(b)fluoranthene		0.000100		**0.00133**	0.0020	0	66.6	0.001392	4.42	02/11/2022
Benzo(g,h,i)perylene		0.000200		**0.00132**	0.0020	0	65.9	0.001434	8.45	02/11/2022
Benzo(k)fluoranthene		0.000100		**0.00134**	0.0020	0	67.0	0.001436	7.00	02/11/2022
Chrysene		0.000100		**0.00146**	0.0020	0	72.8	0.001469	0.95	02/11/2022
Dibenzo(a,h)anthracene		0.000200		**0.00125**	0.0020	0	62.7	0.001386	10.06	02/11/2022
Fluoranthene		0.000300		**0.00146**	0.0020	0	73.1	0.001443	1.25	02/11/2022
Fluorene		0.000200		**0.00137**	0.0020	0	68.3	0.001310	4.19	02/11/2022
Indeno(1,2,3-cd)pyrene		0.000200		**0.00132**	0.0020	0	66.0	0.001464	10.29	02/11/2022
Naphthalene		0.000400		**0.00133**	0.0020	0	66.7	0.001363	2.16	02/11/2022
Phenanthrene		0.000600		**0.00141**	0.0020	0	70.4	0.001444	2.59	02/11/2022
Pyrene		0.000200		**0.00145**	0.0020	0	72.4	0.001401	3.28	02/11/2022
Surr: 2-Fluorobiphenyl	*			**0.000631**	0.0010		63.1			02/11/2022
Surr: Nitrobenzene-d5	*			**0.000671**	0.0010		67.1			02/11/2022
Surr: p-Terphenyl-d14	*			**0.000761**	0.0010		76.1			02/11/2022

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

Batch 187428 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AK220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/04/2022
Ethylbenzene	*	2.0		**ND**						02/04/2022
Toluene	*	2.0		**ND**						02/04/2022
Xylenes, Total	*	4.0		**ND**						02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**47.7**	50.00		95.3	80	120	02/04/2022
Surr: 4-Bromofluorobenzene	*			**50.1**	50.00		100.1	80	120	02/04/2022
Surr: Dibromofluoromethane	*			**47.5**	50.00		95.0	80	120	02/04/2022
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187428 **SampType:** LCS Units µg/L

SampID: LCS-AK220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**54.3**	50.00	0	108.5	78.5	119	02/04/2022
Ethylbenzene	*	2.0		**53.5**	50.00	0	107.0	78.2	114	02/04/2022
Toluene	*	2.0		**52.9**	50.00	0	105.9	78.6	112	02/04/2022
Xylenes, Total	*	4.0		**159**	150.0	0	106.3	78.3	114	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**47.4**	50.00		94.7	80	120	02/04/2022
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.3	80	120	02/04/2022
Surr: Dibromofluoromethane	*			**47.0**	50.00		94.1	80	120	02/04/2022
Surr: Toluene-d8	*			**49.4**	50.00		98.7	80	120	02/04/2022

Batch 187428 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AK220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**53.6**	50.00	0	107.2	54.26	1.19	02/04/2022
Ethylbenzene	*	2.0		**52.0**	50.00	0	103.9	53.49	2.88	02/04/2022
Toluene	*	2.0		**51.9**	50.00	0	103.8	52.93	1.93	02/04/2022
Xylenes, Total	*	4.0		**156**	150.0	0	104.2	159.4	2.00	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3			02/04/2022
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.9			02/04/2022
Surr: Dibromofluoromethane	*			**47.7**	50.00		95.3			02/04/2022
Surr: Toluene-d8	*			**49.3**	50.00		98.6			02/04/2022

Batch 187431 **SampType:** MBLK Units µg/L

SampID: MBLK-AE220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						02/04/2022
Ethylbenzene	*	2.0		**ND**						02/04/2022
Toluene	*	2.0		**ND**						02/04/2022
Xylenes, Total	*	4.0		**ND**						02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**48.6**	50.00		97.2	80	120	02/04/2022
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.9	80	120	02/04/2022
Surr: Dibromofluoromethane	*			**51.9**	50.00		103.9	80	120	02/04/2022
Surr: Toluene-d8	*			**44.5**	50.00		88.9	80	120	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187431 **SampType:** LCS Units **µg/L**

SampID: LCS-AE220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**57.1**	50.00	0	114.2	78.5	119	02/04/2022
Ethylbenzene	*	2.0		**48.1**	50.00	0	96.2	78.2	114	02/04/2022
Toluene	*	2.0		**47.8**	50.00	0	95.7	78.6	112	02/04/2022
Xylenes, Total	*	4.0		**144**	150.0	0	95.8	78.3	114	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.5	80	120	02/04/2022
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.2	80	120	02/04/2022
Surr: Dibromofluoromethane	*			**53.5**	50.00		107.0	80	120	02/04/2022
Surr: Toluene-d8	*			**45.1**	50.00		90.3	80	120	02/04/2022

Batch 187431 **SampType:** LCSD Units **µg/L** RPD Limit: **15.9**

SampID: LCSD-AE220204A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**55.1**	50.00	0	110.3	57.12	3.55	02/04/2022
Ethylbenzene	*	2.0		**46.2**	50.00	0	92.5	48.08	3.88	02/04/2022
Toluene	*	2.0		**46.2**	50.00	0	92.3	47.83	3.58	02/04/2022
Xylenes, Total	*	4.0		**140**	150.0	0	93.1	143.6	2.82	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**49.9**	50.00		99.9			02/04/2022
Surr: 4-Bromofluorobenzene	*			**48.5**	50.00		97.0			02/04/2022
Surr: Dibromofluoromethane	*			**53.7**	50.00		107.5			02/04/2022
Surr: Toluene-d8	*			**45.2**	50.00		90.5			02/04/2022

Batch 187431 **SampType:** MS Units **µg/L**

SampID: 22020188-022DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5	S	**60.4**	50.00	0	120.8	72	120	02/04/2022
Ethylbenzene		2.0		**48.8**	50.00	0	97.7	74.8	115	02/04/2022
Toluene		2.0		**50.2**	50.00	0	100.4	70.6	109	02/04/2022
Xylenes, Total		4.0		**98.6**	100.0	0	98.6	72.1	113	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3	80	120	02/04/2022
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.3	80	120	02/04/2022
Surr: Dibromofluoromethane	*			**52.4**	50.00		104.7	80	120	02/04/2022
Surr: Toluene-d8	*			**45.2**	50.00		90.5	80	120	02/04/2022

Client: ERM **Work Order:** 22020188

Client Project: Champaign GW **Report Date:** 11-Feb-22

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

Batch 187431 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 22020188-022DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**59.0**	50.00	0	117.9	60.42	2.46	02/04/2022
Ethylbenzene		2.0		**47.3**	50.00	0	94.5	48.84	3.27	02/04/2022
Toluene		2.0		**48.2**	50.00	0	96.4	50.22	4.10	02/04/2022
Xylenes, Total		4.0		**95.5**	100.0	0	95.5	98.63	3.22	02/04/2022
Surr: 1,2-Dichloroethane-d4	*			**48.1**	50.00		96.2			02/04/2022
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.8			02/04/2022
Surr: Dibromofluoromethane	*			**51.8**	50.00		103.5			02/04/2022
Surr: Toluene-d8	*			**44.5**	50.00		89.0			02/04/2022

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Work Order: 22020188
Client Project: Champaign GW
Report Date: 11-Feb-22

Carrier: Employee
Received By: PWR

Completed by: Patrick Riley
On: 03-Feb-22

Reviewed by: Elizabeth A. Hurley
On: 03-Feb-22

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 5.2
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☑	NA ☐	

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

pH strip #78011/75846. - EAH/patrickriley - 2/3/2022 3:40:22 PM

Additional Sodium Hydroxide (78408) was needed in all samples except UMW-124, UMW-126, UMW-127, DUP 001, DUP 002, EB-01, and EB-02 upon arrival at the laboratory. - patrickriley - 2/3/2022 3:40:54 PM

UMW-302 PAH container is labeled as DUP 003. DUP 003 PAH container is labeled as UMW-302. The samples were labeled for the laboratory as bagged sets. - ehurley - 2/3/2022 3:54:45 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 2/3/2022 3:55:36 PM

Per Jarred Schmidt, report the sample containers labeled as UMW-302 and DUP 003 as labeled rather than as bagged. - ehurley - 2/4/2022 7:21:35 AM

CHAIN OF CUSTODY

pg. 1 of 3 Work order # 22020188

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

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

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 5.2 °C LTG# 1

Preserved in: ☒ LAB ☐ FIELD 78011 75846 **FOR LAB USE ONLY**

Lab Notes: Add NaOH(78400) All except UMW-124, 126, 127, Dup 001, Dup 002, EB-01, EB-02

ØNS pH 78011 ✓ SAH 2/3/22 PJL 2/3/22

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

Pb RL: 0.0075 mg/L

UMW-302 PAH jar labeled as DUP-003 - DUP-003 PAH jar labeled as 302.

Project Name/Number	Sample Collector's Name
Champaign GW	Burnstein/Arendell

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
22020188-001	UMW-102-WG-20220131	1/31/22 ; 1345	1	1	1	2		X		X	X	X	X
-002	UMW-105-WG-20220201	2/1/22 ; 1410	1	1	1	2		X		X	X	X	X
-003	UMW-106R-WG-20220201	2/1/22 ; 0825	1	1	1	2		X		X	X	X	X
-004	UMW-109-WG-20220201	2/1/22 ; 0810	1	1	1	2		X		X	X	X	X
-005	UMW-111A-WG-20220131	1/31/22 ; 1655	1	1	1	2		X		X	X	X	X
-006	UMW-116-WG-20220201	2/1/22 ; 1035	1	1	1	2		X		X	X	X	X
-007	UMW-118-WG-20220201	2/1/22 ; 0930	1	1	1	2		X		X	X	X	X
-008	UMW-119-WG-20220131	1/31/22 ; 1605	1	1	1	2		X		X	X	X	X
-009	UMW-120-WG-20220131	1/31/22 ; 1435	1	1	1	2		X		X	X	X	X
-010	UMW-121-WG-20220201	2/1/22 ; 1430	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
	1415 2/3/22		2/3/22 1415

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: 70239

CHAIN OF CUSTODY

pg. 2 of 3 Work order # 22020188

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

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

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Pb RL: 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Burnstein / Arendell

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
22020188-011	UMW-122-WG-20220201	2/1/22; 0930	1	1	1	2		X		X	X	X	X
-012	UMW-123-WG-20220201	2/1/22; 1040	1	1	1	2		X		X	X	X	X
-013	UMW-124-WG-20220202	2/2/22; 1050	1	1	1	2		X		X	X	X	X
-014	UMW-125-WG-20220201	2/1/22; 1650	1	1	1	2		X		X	X	X	X
-015	UMW-126-WG-20220202	2/2/22; 0925	1	1	1	2		X		X	X	X	X
-016	UMW-127-WG-20220201	2/1/22; 1535	1	1	1	2		X		X	X	X	X
-017	UMW-300-WG-20220131	1/31/22; 1740	1	1	1	2		X		X	X	X	X
-018	UMW-301R-WG-20220201	2/1/22; 1650	1	1	1	2		X		X	X	X	X
-019	UMW-302-WG-20220202	2/2/22; 1221	1	1	1	2		X		X	X	X	X
-020	UMW-304R-WG-20220201	2/1/22; 1540	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Mark Cecil	1415 2/3/22		2/3/22 1415

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BottleOrder: 70239

CHAIN OF CUSTODY

pg. 3 of 3 Work order # 22020188

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

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

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

Preserved in: ☒ LAB ☒ FIELD **FOR LAB USE ONLY**

Lab Notes:

Client Comments

Pb RL: 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Burnstein/Arendell

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
22020188-021	UMW-305-WG-202202**01**	2/1/22 ; 1300	3	2	2	6						X					X	X	X	X
-022	UMW-306-WG-202202**01**	2/1/22 ; 1220	3	2	2	6						X					X	X	X	X
-023	UMW-307-WG-202202_**01**	2/1/22 ; 1150	1	1	1	2						X					X	X	X	X
-024	UMW-308-WG-202202**02**	2/2/22 ; 0825	1	1	1	2						X					X	X	X	X
-025	DUP 001-WG-202202**02**	2/2/22 ; —	1	1	1	2						X					X	X	X	X
-026	DUP 002-WG-202202**02**	2/2/22 ; —	1	1	1	2						X					X	X	X	X
-027	DUP 003-WG-202202**02**	2/2/22 ; —	1	1	1	2						X					X	X	X	X
-028	EB-01-WQ-202201_**31**	1/31/22 ; 1235	1	1	1	2					X						X	X	X	X
-029	TB-01-WQ-202201_**31**	1/31/22 ; 1230				2							X				X			
-030	EB-02-WQ-202202_**02**	2/2/22 ; 0720	1	1	1	2					X						X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
	1415 2/3/22		2/3/22 1415

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: 70239

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	04 March 2022
Reference	0638683
Subject	Data Review of Ameren Champaign Groundwater Samples First Quarter 2022: Teklab, Inc. Data Package 22020188.

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

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

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

Stage 4 data review for 20 percent of the samples (6 samples: UMW-124-WG-20220202, UMW-301R-WG-20220201, UMW-302-WG-20220202, UMW-304R-WG-20220201, DUP-001-WG-20220202, and DUP-003-WG-20220202) 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

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

The laboratory noted that the samples arrived in bagged sets. The polynuclear aromatic hydrocarbon (PAH) container labelled DUP 003-WG-20220202 was in the bag with other samples labelled UMW-302-WG-20220202 and the PAH container labelled UMW-302-WG-20220202 was in the bag with other samples labelled DUP 003-WG-20220202. ERM instructed the laboratory to log in the PAH samples as labelled rather than as bagged.

PRESERVATION EVALUATION

The sample shipment was received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples had the correct chemical preservation, with the exception of several samples for cyanide analysis. The laboratory added additional sodium hydroxide to the affected cyanide samples. The pH was within the requirement of greater than 12 for the cyanide samples and no qualifications were applied. The samples received with inadequate preservation are presented in Table 1.

HOLDING TIME EVALUATION

The samples were prepared and analyzed within the method-prescribed time period from the date of collection with one exception. Equipment blank sample EB-02-WQ-20220202 was prepared for naphthalene reanalysis by Method 8270C 2 days past the 7 day extraction holding time. Teklab qualified this result with an (H) flag. The non-detected naphthalene result was rejected (R) due to the holding time exceedance. The H flag has been removed. The qualified result is presented in Table 2.

BLANK EVALUATION

The method blank sample results were non-detected for each of the target analytes with the exception noted in Table 3. Phenanthrene was detected in a method blank sample at a concentration greater than the reporting limit. Teklab qualified associated phenanthrene results with a (B) flag. Phenanthrene was not detected in the associated samples and qualification was not necessary. The B flags have been removed.

The equipment and trip blank sample results were non-detected for each of the target analytes. The equipment and trip blank results indicate that no contaminants were introduced to the samples during sample collection activities or during analysis in the laboratory or during shipment, handling, and storage. The naphthalene result in equipment blank sample EB-02-WQ-20220202 was rejected due to holding time exceedance; therefore, this result cannot be used to evaluate whether or not naphthalene was introduced to associated samples during sample collection activities.

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and initial/continuing calibration verification (ICV/CCV). For linear ICALs, the correlation coefficient (r^2) was within control limits and for average response factor ICALs, the relative standard deviations (RSDs) were within the control limits. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The laboratory calculated the percent deviation (%D) between CCV/ICV and the ICAL. The laboratory calculated the CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The ICAL and ICV/CCV results were within acceptable limits for the reported sample results with the exceptions noted in Table 4. Indeno(1,2,3-cd)pyrene and dibenzo(a,h)anthracene had percent deviations outside the Method 8270C control limits in one CCV. The affected analytes were not reported from the associated project sample and qualifications were not necessary.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPDs) were within the laboratory's limits of acceptance. The LCS/LCSD recoveries and RPDs indicate acceptable laboratory accuracy and precision.

MATRIX SPIKE EVALUATION

The laboratory prepared several project samples for MS/MSD analysis. The recoveries and RPDs were within the laboratory's limits of acceptance, with one exception. Benzene was recovered above the control limit in the MS sample prepared from UMW-306-WG-20220201. Teklab qualified this result in the parent sample with an (S) flag. The recovery was within the control limits in the paired MSD sample; therefore, the result in the parent sample was not qualified due to the MS recovery alone. The S flag has been removed. The matrix spike outlier is presented in Table 5.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits. No qualifications were required based on surrogate recoveries. The surrogate recoveries indicate minimal matrix interference in the samples.

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. Professional judgement was used if one result was greater than the RL and the other was not detected (ND). When the reporting limits in both samples were comparable, the reporting limit for the ND result was used in the difference calculation. When the reporting limits in both samples were not comparable, the difference limit was not applicable. All analytes in the parent sample/field duplicate pairs met the control limits.

RECALCULATION

All result recalculations agreed with reported results.

OVERALL ASSESSMENT

The naphthalene result for equipment blank sample EB-02-WQ-20220202 result was determined to be unusable due to holding time exceedance. With exception of the rejected result, all of the data, including qualified data, can be used for decision-making purposes; however, the limitations indicated by the applied qualifiers should be considered when using the data. The quality of the data generated during this investigation is acceptable for the preparation of technically-defensible documents.

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

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
22020188	UMW-102-WG-20220131	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and samples were successfully preserved.	--
	UMW-105-WG-20220201					
	UMW-106R-WG-20220201					
	UMW-109-WG-20220201					
	UMW-111A-WG-20220131					
	UMW-116-WG-20220201					
	UMW-118-WG-20220201					
	UMW-119-WG-20220131					
	UMW-120-WG-20220131					
	UMW-121-WG-20220201					
	UMW-122-WG-20220201					
	UMW-123-WG-20220201					
	UMW-125-WG-20220201					
	UMW-300-WG-20220131					
	UMW-301R-WG-20220201					
	UMW-302-WG-20220202					
	UMW-304R-WG-20220201					
	UMW-305-WG-20220201					
	UMW-306-WG-20220201					
	UMW-307-WG-20220201					
	UMW-308-WG-20220202					
	DUP 003-WG-20220202					

Lab package reviewed: 22020188

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

Lab Package	Sample ID	Method	Extraction Holding Time	Time Exceeded	Analysis Holding Time	Time Exceeded	Affected Analyte	ERM Qualifier
22020188	EB-02-WQ-20220202 02/11/2022 analysis	8270C	7 days	2 days	40 days	--	Naphthalene	R

Lab package reviewed: 22020188

Notes:
R = Result is rejected

Table 3
Blank and Associated Suspect Sample Detections
First Quarter 2022 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
22020188	MBLK-187509	Phenanthrene	0.000603	0.000600	None for qualification, samples ND	--	--	mg/L	--

Lab package reviewed: 22020188

Notes:
MBLK = Method blank
mg/L = Milligrams per liter

Table 4
Calibration Verification Recoveries Outside of Acceptable Limits
First Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
22020188	CCV BNA220125I Analyzed 2/11/2022 7:20 Instrument S	Indeno(1,2,3-cd)pyrene	26.8	± 20	None for qualification, analyte not reported from associated sample	--	--	--
		Dibenzo(a,h)anthracene	27.3	± 20		--	--	--

Lab package reviewed: 22020188

Notes:
CCV = Continuing calibration verification

Table 5
Spike Recoveries Outside of Acceptable Limits
First Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
MS/MSD										
22020188	UMW-306-WG-20220201 MS/MSD	UMW-306-WG-20220201	Benzene	120.8/117.9	72-120	2.46	20	--	--	--

Lab package reviewed: 22020188

Notes:
MS/MSD = Matrix spike/matrix spike duplicate
RPD = Relative percent difference

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
First Quarter 2022 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Absolute Difference	Difference Limit	Units	RPD	RPD Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate						
22020188	UMW-124-WG-20220202/ DUP 001-WG-20220202	Cyanide	0.014	0.014	0.005	0.005	0.000	0.010	mg/L	--	--	--
		Barium	0.0298	0.0290	0.0025	0.0025	--	--	mg/L	2.7	30	--
		Acenaphthene	0.000443	0.000424	0.000100	0.000100	0.000019	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000301	0.000303	0.000100	0.000100	0.000002	0.000200	mg/L	--	--	--
		Fluorene	0.000203	ND[1]	0.000200	0.000200	0.000003	0.000400	mg/L	--	--	--
		Naphthalene	0.0498	0.0473	0.0100	0.0100	0.0025	0.0200	mg/L	--	--	--
		Benzene	97.4	110	0.5	0.5	--	--	µg/L	12	30	--
		Ethylbenzene	13.1	12.7	2.0	2.0	--	--	µg/L	3.1	30	--
		Toluene	80.2	77.6	2.0	2.0	--	--	µg/L	3.3	30	--
		Xylene, Total	40.0	39.1	4.0	4.0	--	--	µg/L	2.3	30	--
	UMW-126-WG-20220202/ DUP 002-WG-20220202	Barium	0.0296	0.0296	0.0025	0.0025	--	--	mg/L	0.0	30	--
		Benzene	11.6	13.7	0.5	0.5	--	--	µg/L	17	30	--
	UMW-302-WG-20220202/ DUP 003-WG-20220202	Cyanide	0.091	0.064	0.025	0.025	0.027	0.050	mg/L	--	--	--
		Barium	0.0548	0.0525	0.0025	0.0025	--	--	mg/L	4.3	30	--
		Acenaphthene	0.000714	0.000694	0.000100	0.000100	--	--	mg/L	2.8	30	--
		Acenaphthylene	0.000536	0.000502	0.000100	0.000100	--	--	mg/L	6.6	30	--
		Naphthalene	2.18	2.05	0.400	0.400	--	--	mg/L	6.1	30	--
		Benzene	362	411	5.0	5.0	--	--	µg/L	13	30	--
		Ethylbenzene	760	728	20.0	20.0	--	--	µg/L	4.3	30	--
		Xylene, Total	208	200	40.0	40.0	8	80.0	µg/L	--	--	--

Lab package reviewed: 22020188

Notes:
1 = Difference calculated between reporting limit of non-detect result and detected result
mg/L = Milligrams per liter
ND = Not detected
RPD = Relative percent difference
µg/L = Micrograms per liter

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