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July 29, 2021

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

Subject: Groundwater Monitoring Summary
Second Quarter 2021 Sampling Event
Champaign Former Manufactured Gas Plant Site, Champaign, Illinois

Dear Mr. Hall:

On behalf of Ameren Services, Environmental Resources Management, Inc. (ERM) has completed the second quarter 2021 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 May 3, 2021 through May 6, 2021.

INTRODUCTION

Groundwater sampling activities for the second quarter 2021 monitoring event were conducted from May 3 through May 6, 2021. During the sampling event, groundwater samples were collected from 28 monitoring wells, which included seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on May 3, 2021, prior to initiation of sampling activities. Prior to sampling, groundwater was purged from the monitoring wells using the dedicated bladder pumps until water quality instrumentation indicated that measured parameters had stabilized. Upon stabilization, groundwater samples were collected in containers provided by the laboratory, and placed in ice-filled coolers pending delivery to the laboratory. Monitoring wells were gauged, purged and sampled from least impacted to most impacted.

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

Groundwater level measurement data for the second quarter 2021 monitoring event included the depth to water (DTW) below each monitoring well's top of casing (TOC) and calculated groundwater elevation, which are provided in Table 1. Groundwater elevation contour maps for the shallow monitoring zone (100 series wells) and the intermediate depth unit (300 series wells) are provided on Figures 1 and 2, respectively.

The analytical results for groundwater samples collected during the event are summarized in Table 2. The concentrations reported in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater remediation objective (RO) are highlighted. The monitoring well locations where sample results exceeded a RO are also shown on Figure 3. The laboratory analytical reports prepared by Teklab are provided in Attachment 1.

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

Purge water that was collected from the monitoring wells during the second quarter 2021 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the May 2021 groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on May 6, 2021, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured DTW and the calculated water level elevations at the Site for the second quarter 2021 monitoring event are shown on Table 1. The DTW in the shallow monitoring wells ranged from 2.92 to 8.81 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.92 to 4.91 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 May 2021 were calculated to be 0.019 (UMW-124 to UMW-105), 0.009 (UMW-124 to UMW-116), and 0.013 (UMW-125 to UMW-109) foot per foot (ft/ft). This range of values reflects the general gradients to the south, west and north from the Site, respectively.

The depths to groundwater in the nine monitoring wells that monitor the intermediate groundwater unit, ranged from 26.60 to 29.47 feet from BLS. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south and southeast, with a groundwater gradient of approximately 0.001 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 or Class II ingestion RO, or groundwater (vapor) inhalation RO for indoor air at residential sites (inhalation RO). The shallow groundwater unit underlying and in the vicinity of the Site is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Three of the 28 monitoring wells

sampled in the second quarter 2021 monitoring event had at least one MGP-related constituent exceeding a respective Class I or II ingestion, or inhalation RO.

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

Shallow monitoring wells where concentrations of organic constituents (BTEX or PAHs) from the second quarter 2021 sampling event exceeded their respective RO included shallow monitoring wells UMW-124 and UMW-126. A benzene concentration of 0.091 mg/L was reported in shallow on-site monitoring well UMW-124, which exceeds the Class II groundwater RO of 0.025 mg/L. A benzene concentration of 0.077 mg/L was reported in shallow on-site monitoring well UMW-126, which exceeds the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents detected in the other seventeen shallow monitoring wells located on-site or off-site were below their respective Class II RO.

Benzene, ethylbenzene, and naphthalene were reported in samples collected from intermediate monitoring well UMW-302, at concentrations of 0.392, 0.916, and 2.79 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.7, and 0.14 mg/L. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceeded the groundwater inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet BLS, and is separated by over 20 vertical feet of silty clay from the overlying shallow groundwater monitored in the co-located shallow well UMW-121. Of the nine intermediate monitoring wells screened in the lower groundwater unit, UMW-302 is the only intermediate monitoring well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

The analytical results from sampling events completed during the two-year period between May 2019 and May 2021 are summarized on Table 3. Figures 4A through 4C graphically display the concentration of selected constituents at monitoring well locations UMW-124, UMW-126 and UMW-302, respectively, over the course of their entire monitoring periods.

Table 3 and Figures 4A through 4C illustrate that the concentrations reported in samples remain generally consistent or show some decline over time, exhibiting normal variability that is induced by seasonal fluctuations of precipitation or temperature at the time of the sampling event.

Data Validation

ERM reviewed analytical data from the second quarter 2021 monitoring event for compliance with quality assurance/quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples. Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-124-WG-20210506, UMW-127-WG-20210505, UMW-302-WG-20210505, UMW-303-WG-20210505, DUP-001-WG-20210506, and DUP 003-WG-20210505). 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 second quarter 2021 monitoring event did not require modification, other than addition of qualifiers.

Naphthalene was detected in equipment blank sample, EB-02-WQ-20210505, at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. The detection of low-level concentrations of naphthalene in the equipment blank sample has been a reoccurring issue in recent sampling events. While low-level concentrations of naphthalene have been detected in the equipment blank samples, naphthalene is absent at detectable concentrations in the groundwater samples collected from the proceeding and following monitoring wells. This indicates that cross-contamination from the water level meter probe tip is not adversely affecting groundwater sample results. ERM continues to evaluate decontamination methods and procedures to identify and resolve the cause of this issue.

The data validation memorandum also discussed laboratory control sample and laboratory control sample duplicates outside of recovery and relative percent difference (RPD) limits, low pH in 3 samples at time of receipt, high matrix spike recoveries, high surrogate recoveries, and high internal standard recoveries; however, the validation process determined that these issues had no effect on data quality and no validation qualifiers were applied. The laboratory qualifiers applied for these issues are therefore not displayed in Table 2. There were no numerical changes to the data as a result of the data validation.

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

CONCLUSIONS – 2nd Quarter Results

Based on the data collected during the second quarter 2021 monitoring event, on-site monitoring wells UMW-124 and UMW-126 were the only shallow monitoring wells where a constituent concentration was detected that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in the samples from UMW-124 and UMW-126 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 August 2021. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Jarred Schmidt
Consultant II, Geology

Alan Cork, P.E.
Principal Consultant, Engineer

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

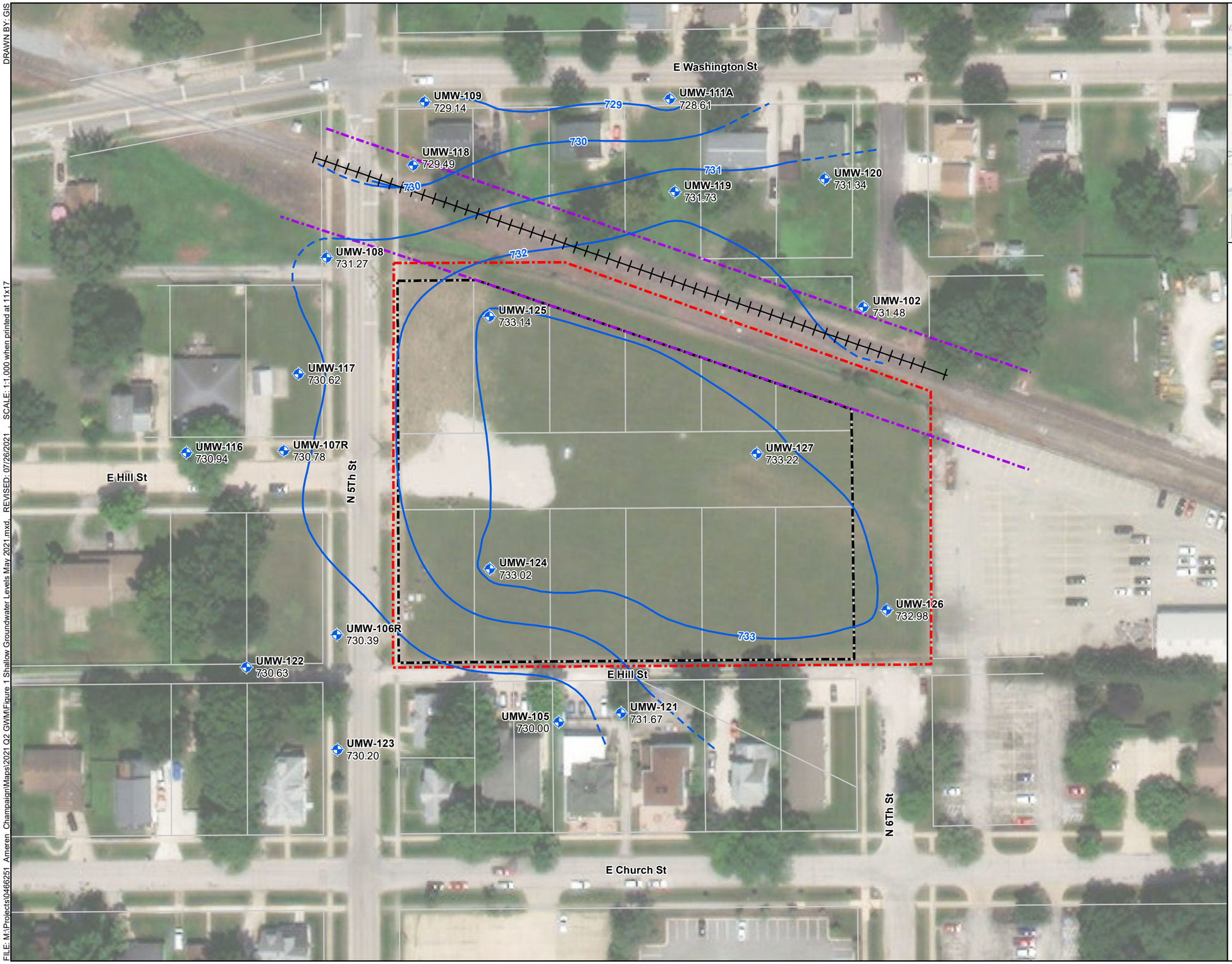
Tables
Table 1 Groundwater Elevation Data
Table 2 Summary of Analytical Results
Table 3 Analytical Result by Parameter

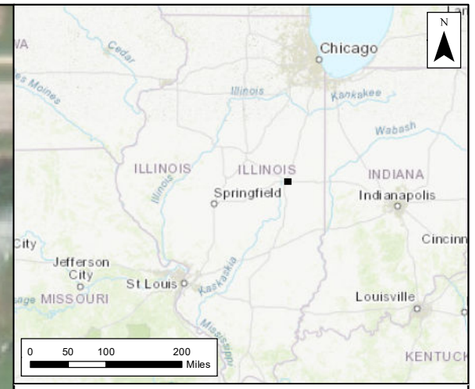
Attachment
Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures

DRAWN BY: GIS

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q2 GWM\Figure 1 Shallow Groundwater Levels May 2021.mxd, REVISED: 07/26/2021 , SCALE: 1:1,000 when printed at 11x17





Legend

- Shallow Monitoring Well with May 03 2021 Groundwater Elevation
- May 03 2021 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 1
Shallow Groundwater Elevation Contours
May 03 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com
ERM

E Washington St

E Hill St

N 5Th St

N 6Th St

E Church St

UMW-300
710.19

UMW-303
710.57

UMW-304R
709.80

UMW-301R
709.49

UMW-308
709.61

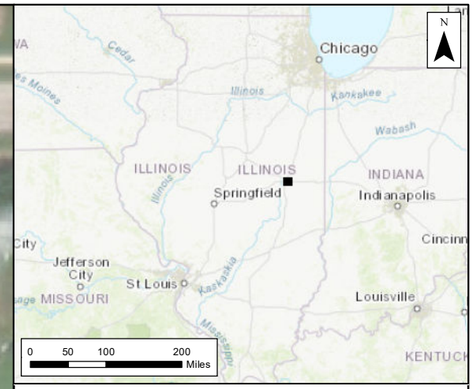
UMW-302
709.41

UMW-305
709.55*

UMW-307
709.39

UMW-306
709.27

710.5
710.4
710.3
710.2
710.1
710
709.9
709.8
709.7
709.6
709.5
709.4
709.3



Legend

- Intermediate Monitoring Well with May 03 2021 Groundwater Elevation
- May 03 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.
* = Anomalous value, not used in contouring

N

0 80 160
Feet

Figure 2
Intermediate Groundwater Elevation Contours
May 03 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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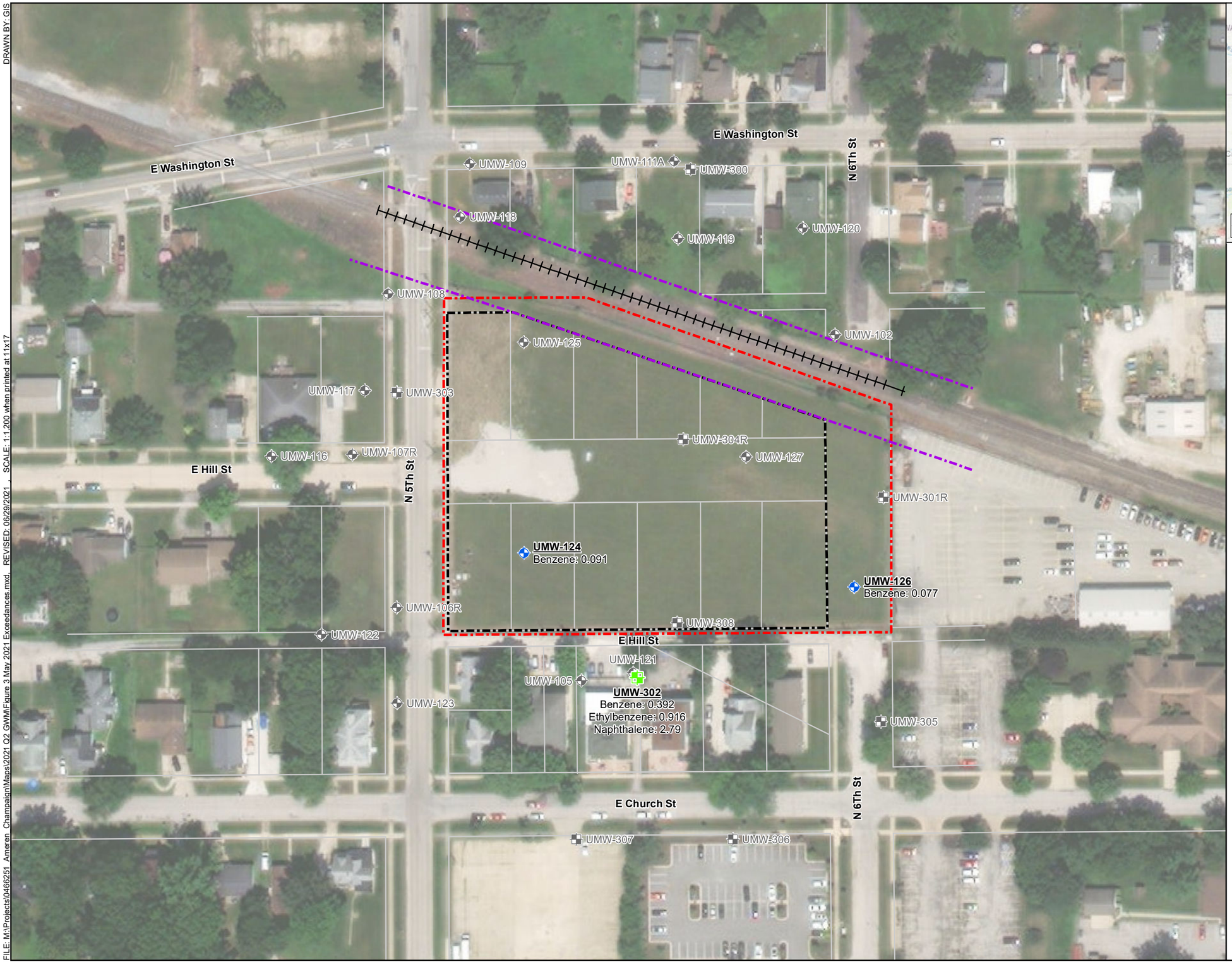
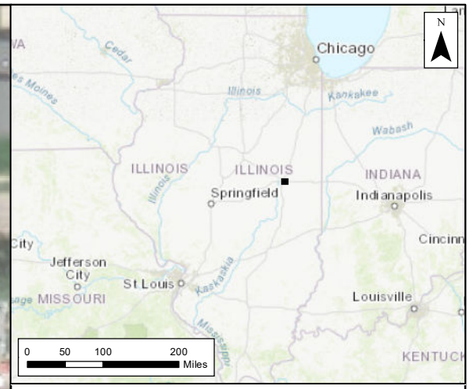
FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q2 GWM\Figure 3 May 2021 Exceedances.mxd REVISED: 06/29/2021 , SCALE: 1:1,200 when printed at 11x17





Legend

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

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

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
May 03 - 06 2021
Ameren Services
Champaign, Illinois

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

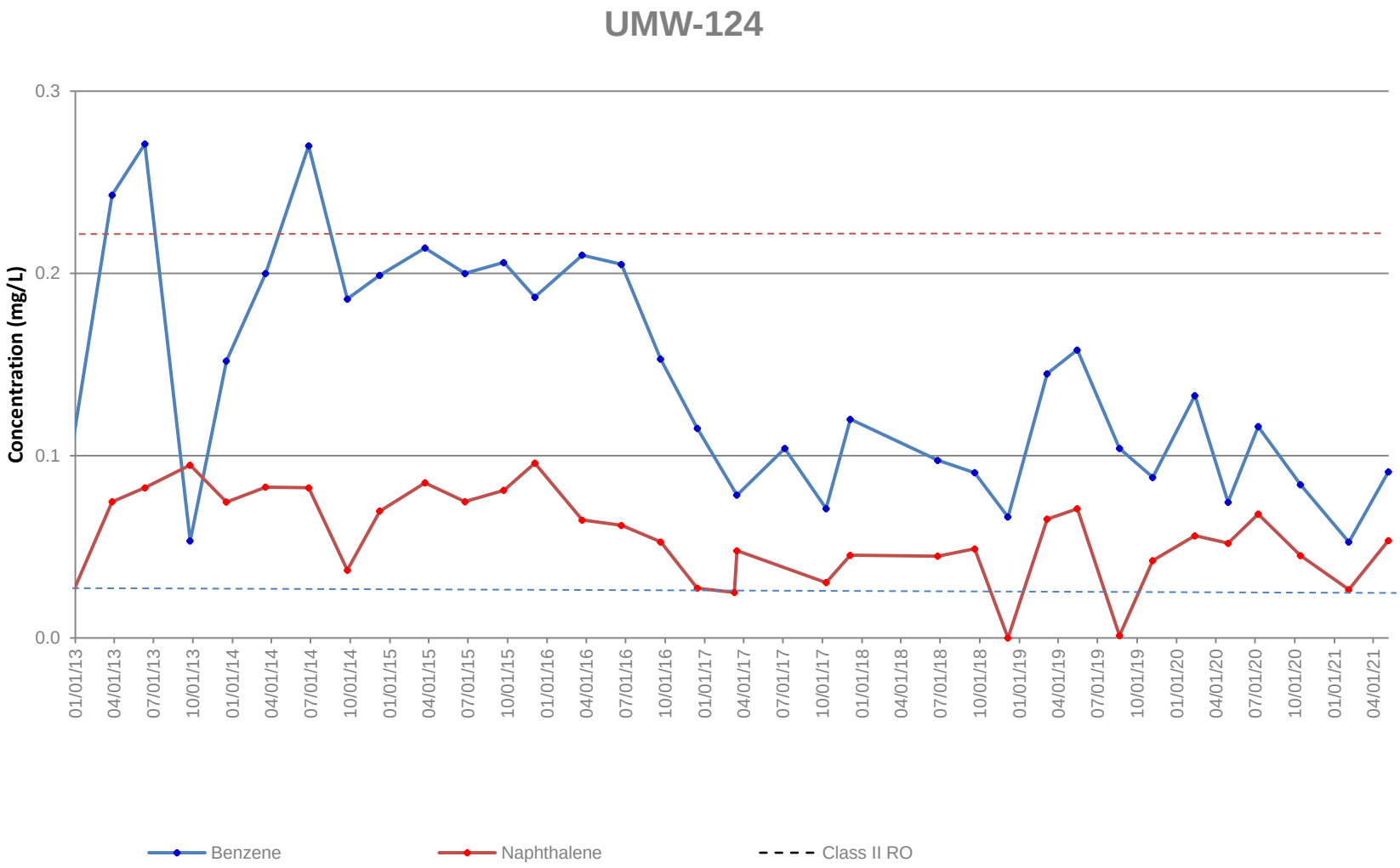


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

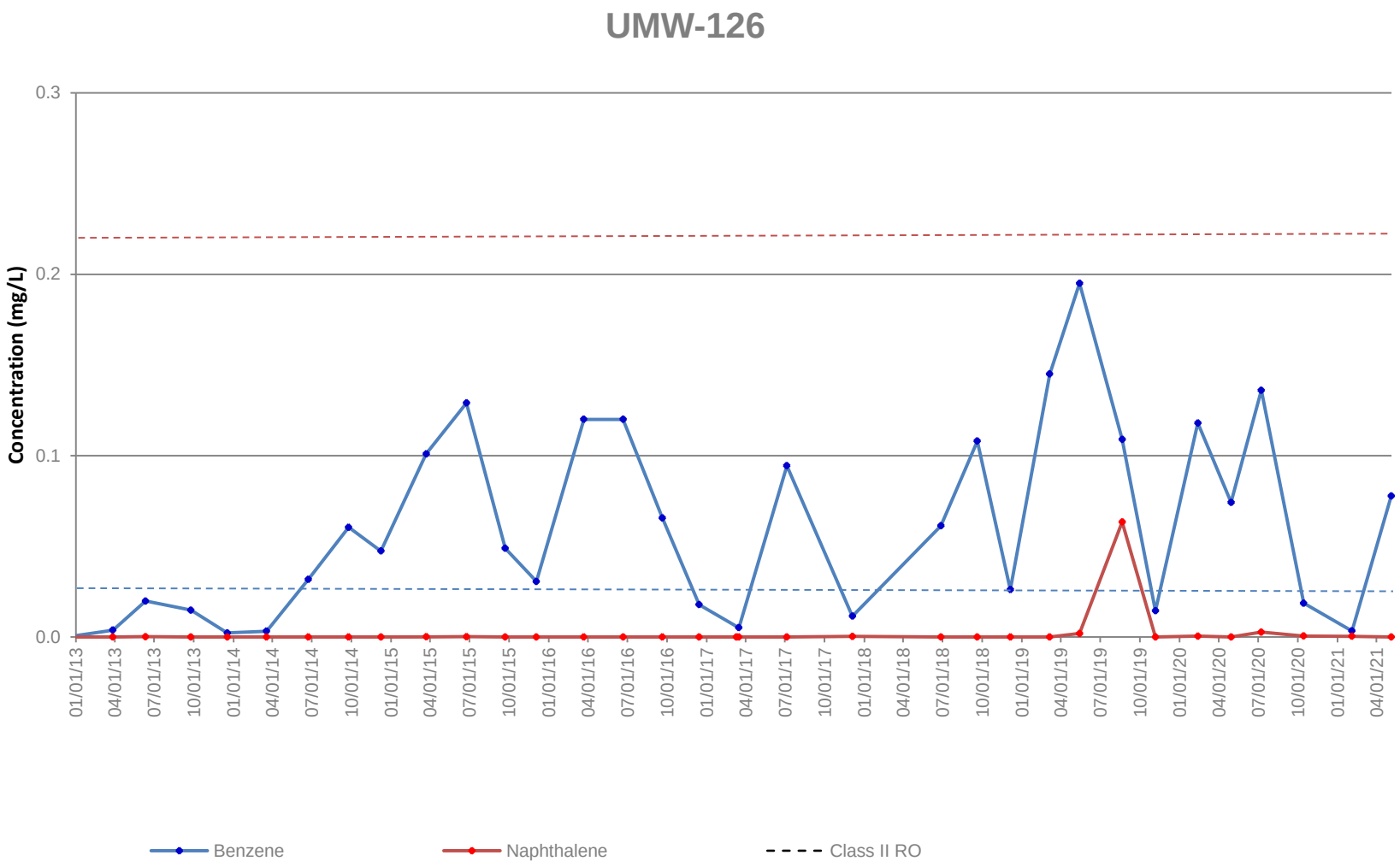
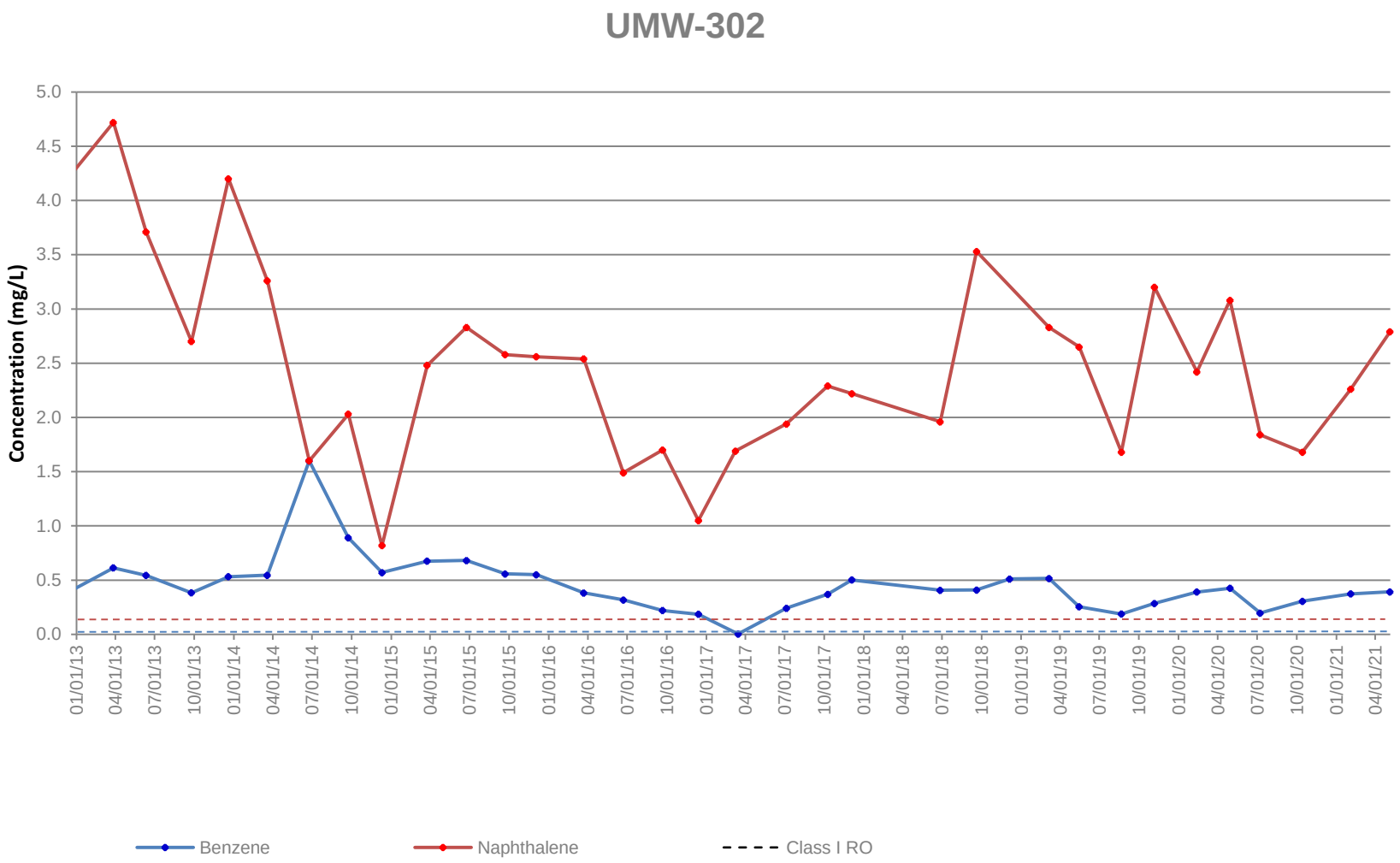


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1

Groundwater Elevation Data

May 3, 2021

Ameren - Champaign FMGP Site

Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval (feet BLS)	Pump Intake Depth (+) (feet BLS)	Elevation (feet NAVD88)		Measured 5/3/2021		Purge Vol (Gallons)	Flow Rate (mL/min)°	Sample Date
				Top of Casing (TOC)	Land Surface (LS)	WL Below TOC (feet)	Elevation (feet NAVD88)			
UMW-102	22.00	6.70-22.00	17.00	737.32	737.70	5.84	731.48	3.00	400	5/3/2021
UMW-105	19.70	9.50-19.70	17.00	737.33	737.70	7.33	730.00	2.00	300	5/5/2021
UMW-106R	17.00	7.00-17.00	15.00	737.18	737.43	6.79	730.39	3.00	380	5/4/2021
UMW-107R	19.70	9.50-19.70	17.70	736.88	737.30	6.10	730.78	2.50	340	5/4/2021
UMW-108	15.00	4.80-15.00	13.00	736.86	737.10	5.59	731.27	1.75	350	5/4/2021
UMW-109	20.00	10.00-20.00	18.00	735.11	735.50	5.97	729.14	2.50	280	5/4/2021
UMW-111A	22.80	9.00-22.80	17.00	736.71	737.00	8.10	728.61	2.50	275	5/4/2021
UMW-116	20.00	10.00-20.00	18.00	736.23	736.50	5.29	730.94	3.00	320	5/4/2021
UMW-117	15.00	5.00-15.00	13.00	737.53	737.81	6.91	730.62	1.50	350	5/4/2021
UMW-118	15.00	5.00-15.00	13.00	736.20	736.43	6.71	729.49	2.00	300	5/4/2021
UMW-119	15.00	5.00-15.00	13.00	736.80	737.09	5.07	731.73	2.00	400	5/3/2021
UMW-120	15.00	5.00-15.00	13.00	737.02	737.53	5.68	731.34	1.75	400	5/3/2021
UMW-121	15.00	5.00-15.00	13.00	738.46	738.80	6.79	731.67	1.50	350	5/5/2021
UMW-122	19.75	5.00-15.00	13.00	739.15	739.44	8.52	730.63	2.00	150	5/4/2021
UMW-123	15.89	5.89-15.89	13.90	737.24	737.53	7.04	730.20	1.50	300	5/5/2021
UMW-124 *	15.27	4.97-15.02	13.30	737.10	737.28	4.08	733.02	2.00	250	5/6/2021
UMW-125 *	15.33	5.06-15.11	13.10	737.92	738.05	4.78	733.14	3.75	360	5/5/2021
UMW-126 *	15.40	5.13-15.18	13.40	736.38	736.55	3.40	732.98	2.00	300	5/5/2021
UMW-127 *	15.38	5.11-15.16	13.40	735.93	736.14	2.71	733.22	2.00	400	5/5/2021
UMW-300	45.00	35.00-45.00	42.00	736.57	736.79	26.38	710.19	3.50	400	5/4/2021
UMW-301R *	46.65	36.50-46.05	44.00	736.11	736.20	26.62	709.49	3.25	420	5/5/2021
UMW-302	45.00	35.00-45.00	43.00	738.58	738.88	29.17	709.41	2.75	500	5/5/2021
UMW-303	45.00	35.00-45.00	43.00	737.05	737.38	26.48	710.57	3.00	350	5/4/2021
UMW-304R *	46.16	36.01-45.56	44.00	736.48	736.72	26.68	709.80	3.50	420	5/5/2021
UMW-305	45.00	35.00-45.00	43.00	737.51	737.74	27.96	709.55	2.75	360	5/5/2021
UMW-306	47.00	37.00-47.00	45.00	736.90	737.18	27.63	709.27	3.50	200	5/5/2021
UMW-307	47.00	37.00-47.00	44.00	736.92	737.19	27.53	709.39	3.25	340	5/5/2021
UMW-308 *	45.29	35.14-44.69	42.70	737.21	737.39	27.60	709.61	3.00	300	5/5/2021

Notes:

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

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

				Location Group	Shallow Wells (Class II Groundwater Ingestion)											
				Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118	UMW-119	UMW-120
				Sample Date	05/03/2021	05/05/2021	05/04/2021	05/04/2021	05/04/2021	05/04/2021	05/04/2021	05/04/2021	05/04/2021	05/04/2021	05/03/2021	05/03/2021
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES													
Field Parameters																
pH	NS	NS	NS		6.63	6.99	9.33	9.17	6.72	7.98	7.14	8.78	6.78	9	7.02	7.17
Temperature (C)	NS	NS	NS		13.3	12.6	11.6	13.1	12.3	12.7	12.9	12.8	11.8	11.9	12	12.4
ORP (mV)	NS	NS	NS		110.3	91.3	88	-128.2	165	-56.3	156.9	63.5	208.7	80	207.4	154.4
Dissolved Oxygen (mg/L)	NS	NS	NS		0.67	1.53	2.75	0.13	4.27	0.46	3.13	1.42	3.28	0.94	1.01	2.36
Turbidity (NTU)	NS	NS	NS		1.15	2.36	3.39	42.2	2.75	4.16	0.41	4.93	4.84	16.9	10.9	6.17
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30		< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	0.21	1.05	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**		< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	0.21	1.05	NS		< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS		< 0.005	0.048	0.014	0.339	0.025	0.009	< 0.005	< 0.005	< 0.005	0.022	0.022	< 0.005
Metals, mg/L																
Arsenic	0.05	0.2	NS		< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS		0.0564	0.0464	0.103	0.129	0.131	0.0865	0.0503	0.0698	0.0957	0.118	0.0781	0.0462
Cadmium	0.005	0.05	NS		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0424	< 0.0050	0.0084	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS		< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS		< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS		< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

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
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EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

Qualifiers:
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
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

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

				Location Group	Shallow Wells (Class II Groundwater Ingestion)											
				Location ID	UMW-121	UMW-122	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302
				Sample Date	05/05/2021	05/04/2021	05/04/2021	05/06/2021	05/06/2021	05/05/2021	05/05/2021	05/05/2021	05/05/2021	05/04/2021	05/05/2021	05/05/2021
				Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N
Parameter/Analyte	**CLASS I GROUNDWATER INGESTION**	**CLASS II GROUNDWATER INGESTION**	**GW INHALATION DIFFUSION & ADVECTION RES**													
Field Parameters																
pH	NS	NS	NS		6.78	7.05	7.23	10.83	10.83	9.01	7.61	7.61	12.55	7.12	9.84	7.26
Temperature (C)	NS	NS	NS		11.9	12.1	12	11	11	11.3	12.2	12.2	11.5	14.6	14.5	14.2
ORP (mV)	NS	NS	NS		143.6	252.3	253.5	-71.6	-71.6	-44.9	-160.3	-160.3	-275.5	-37.2	-114.8	-133.1
Dissolved Oxygen (mg/L)	NS	NS	NS		2.75	3.46	3.73	0.16	0.16	0.88	0.15	0.15	0.27	0.63	0.2	0.18
Turbidity (NTU)	NS	NS	NS		3.32	1.02	1.74	9.73	9.73	2.27	16.2	16.2	130	1.03	4.08	0.55
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	< 0.0005	0.0912	0.0913	< 0.0005	0.0778	0.0755	0.0012	< 0.0005	< 0.0005	**0.392**
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	< 0.0020	0.0134	0.0135	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.916**
Toluene	1	2.5	530		< 0.0020	< 0.0020	< 0.0020	0.0776	0.0781	< 0.0020	0.0045	0.0046	< 0.0020	< 0.0020	< 0.0020	< 0.0200
Xylene, Total	10	10	30		< 0.0040	< 0.0040	< 0.0040	0.0395	0.0397	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.287
PAH, mg/L																
Acenaphthene	0.42	2.1	NS		< 0.000100	< 0.000100	< 0.000100	0.000465	0.000496	< 0.000100	< 0.000100	< 0.000100	0.000187	< 0.000100	0.00308	0.000776
Acenaphthylene	0.21	1.05	NS		< 0.000100	< 0.000100	< 0.000100	0.000316	0.000290	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00264	0.000501
Anthracene	2.1	10.5	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluoranthene	0.28	1.4	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
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	0.000208	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Naphthalene	0.14	0.22	**0.075**		< 0.000400	< 0.000400	< 0.000400	0.0534	0.0534	< 0.000400	< 0.000455	< 0.000554	< 0.00129	< 0.000400	< 0.000400	**2.79**
Phenanthrene	0.21	1.05	NS		< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS		0.070	0.008	< 0.005	< 0.005	< 0.005	0.038	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.154 J
Metals, mg/L																
Arsenic	0.05	0.2	NS		< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS		0.0924	0.0332	0.0208	0.0295	0.0295	0.0108	0.0250	0.0230	0.159	0.0833	0.0731	0.0604
Cadmium	0.005	0.05	NS		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS		< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	0.0123	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS		< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS		< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

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
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EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

Qualifiers:
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
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

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

			Location Group	Intermediate Wells (Class I Groundwater Ingestion)							Field Quality Control		
			Location ID	UMW-302	UMW-303	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blank	Equipment Blank	Trip Blank
			Sample Date	05/05/2021	05/04/2021	05/05/2021	05/05/2021	05/05/2021	05/05/2021	05/05/2021	05/03/2021	05/05/2021	05/03/2021
			Sample Type	FD	N	N	N	N	N	N	EB	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES										
Field Parameters													
pH	NS	NS	NS	7.26	9.41	6.7	8.7	7.26	7.61	7.21	NA	NA	NA
Temperature (C)	NS	NS	NS	14.2	14.3	14.1	14.6	14.8	14.6	14.4	NA	NA	NA
ORP (mV)	NS	NS	NS	-133.1	-66.2	-103.3	-121.9	-119.7	-132.1	-110.7	NA	NA	NA
Dissolved Oxygen (mg/L)	NS	NS	NS	0.18	0.22	0.22	0.24	0.24	0.25	0.24	NA	NA	NA
Turbidity (NTU)	NS	NS	NS	0.55	6.9	4.77	2.31	1.43	5.83	15.8	NA	NA	NA
BTEX, mg/L													
Benzene	0.005	0.025	**0.11**	**0.39**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	**0.883**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0200	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	0.268	< 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	0.000862	< 0.000100	0.000418	< 0.000100	0.000105	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000551	< 0.000100	0.000740	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Anthracene	2.1	10.5	NS	< 0.000300	0.000475	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 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	< 0.000300	< 0.000300	NA
Fluorene	0.28	1.4	NS	< 0.000200	0.000280	< 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	< 0.000200	< 0.000200	NA
Naphthalene	0.14	0.22	**0.075**	**2.92 J+**	0.00548	< 0.000400	< 0.000400	< 0.00111	< 0.000400	< 0.000400	< 0.000400	0.00570	NA
Phenanthrene	0.21	1.05	NS	< 0.000600	0.00298	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA
Pyrene	0.21	1.05	NS	< 0.000200	0.000316	< 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	0.093 J	< 0.005	< 0.005	0.010	0.008	0.048	< 0.005	< 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	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0597	0.0398	0.0958	0.102	0.107	0.111	0.130	< 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	< 0.0020	< 0.0020	NA
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 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	< 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	< 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	< 0.0400	< 0.0400	NA
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA

Notes:
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Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
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mg/L = milligrams per liter
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pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

Qualifiers:
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
All analyses performed by TekLab.
CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I Groundwater Ingestion
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II Groundwater Ingestion
GW INHALATION DIFFUSION & ADVECTION RES = IEPA TACO Tier 1 Groundwater Inhalation Diffusion & Advection at Residential Sites.
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

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

Notes:

Exceeds RO for Class I Groundwater Ingestion Pathway

Exceeds RO for Class II Groundwater Ingestion Pathway

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-102	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	0.000268	0.000131	0.000185	< 0.000200
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-105	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/08/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-106R	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-107R	05/14/2019	0.0031	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-108	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-109	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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

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

Notes:

Exceeds RO for Class I Groundwater Ingestion Pathway

Exceeds RO for Class II Groundwater Ingestion Pathway

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-102	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	0.000324	< 0.000100	0.000413	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000438	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-105	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.044
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.042
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.052
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.043
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
UMW-106R	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.007
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.024
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.016
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
UMW-107R	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.406
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.409
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.376
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.378
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.339
UMW-108	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.021
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.024
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.027
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.025
UMW-109	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.017
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.020
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000104	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.030
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.026
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009

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

Notes:

Exceeds RO for Class I Groundwater Ingestion Pathway

Exceeds RO for Class II Groundwater Ingestion Pathway

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-111A	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-116	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-117	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000192	< 0.000385
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-118	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-119	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-120	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/06/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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

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

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-111A	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	0.000339	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000245	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-116	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-117	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000192	< 0.000192	< 0.000192	< 0.000385	< 0.000192	< 0.000192	< 0.000385	< 0.000769	< 0.000385	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.018
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
UMW-119	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.027
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.035
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.031
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
UMW-120	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-121	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-122	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-123	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/07/2020	< 0.0005 U	< 0.0020 U	< 0.0020 U	< 0.0040 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-124	05/15/2019	**0.158**	0.0161	0.103	0.0450	0.000667	0.000405	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.104	0.0029	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0881	0.0084	0.0483	0.0229	0.000448	0.000278	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300 U	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000200 U
	10/14/2020	0.0841	0.0109	0.0590	0.0308	0.000579	0.000344	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	0.0526	0.0062	0.0350	0.0186	0.000341	0.000174	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-125	05/15/2019	0.0040	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.0065	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	0.0080	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-126	05/14/2019	**0.195**	0.0038	0.0337	0.0068	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.109	0.0143	0.0804	0.0391	0.000616	0.000382	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0144	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	0.0033	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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

TABLE 3
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May 2019 to May 2021
Ameren - Champaign FMGP Site
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Notes:
Exceeds RO for Class I Groundwater Ingestion Pathway
Exceeds RO for Class II Groundwater Ingestion Pathway
Bold Exceeds RO for Groundwater Indoor Inhalation Pathway - Diffusion and Advection for Residential Sites

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-121	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.098
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.099
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.117
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.093
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.070
UMW-122	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.013
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.013
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	04/29/2020	< 0.000100	< 0.000100	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	0.009
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.008
UMW-123	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	< 0.000200 U	< 0.000100 U	< 0.000400 U	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-124	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000202	< 0.000100	0.0709	< 0.000400	< 0.000200	0.006
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00125 J+	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000160	< 0.000100	0.0425	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.012
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100 U	< 0.000100 U	< 0.000100 U	< 0.000300 U	0.000237	< 0.000100 U	0.0680	< 0.000600 U	< 0.000200 U	< 0.005 U
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
	05/06/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0534	< 0.000600	< 0.000200	< 0.005
UMW-125	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000338	< 0.000400	< 0.000200	0.033
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000517 J+	< 0.000400	< 0.000200	0.031
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000239 U	< 0.000400	< 0.000200	0.061
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
	04/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000878 U	< 0.000600	< 0.000200	0.024
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.038
UMW-126	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00195	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000218	< 0.000100	0.0634	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000887 U	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000498 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000455	< 0.000600	< 0.000200	< 0.005

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

Notes:

Exceeds RO for Class I Groundwater Ingestion Pathway

Exceeds RO for Class II Groundwater Ingestion Pathway

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-127	05/14/2019	0.0021	< 0.0020	< 0.0020	< 0.0040	0.000202	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	0.0024	< 0.0020	< 0.0020	< 0.0040	0.000199	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	0.0025	< 0.0020	< 0.0020	< 0.0040	0.000216	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	0.0017	< 0.0020	< 0.0020	< 0.0040	0.000166 J	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ
	04/29/2020	0.0019	< 0.0020	< 0.0020	< 0.0040	0.000229	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000173	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-300	05/13/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/19/2019	< 0.0005 UJ	< 0.0020 UJ	< 0.0020 UJ	< 0.0040 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-301R	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00317	0.00328	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00317	0.00403	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00396	0.00584	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00291	0.00301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-302	05/15/2019	**0.255**	**0.638**	< 0.0400	0.167	0.000449	0.000548	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	**0.188**	**0.697**	< 0.0400	0.179	0.000467	0.000498	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	**0.286**	**0.687**	< 0.0400	0.188	0.000614	0.000743	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	**0.374**	**0.786**	< 0.0200	0.223	0.000635	0.000450	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-303	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-304R	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000348	0.000778	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000313	0.000697	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000379	0.000816	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000284	0.000612	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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

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

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-127	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000134	< 0.000100	0.00138	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000159	< 0.000100	0.00195 J+	0.000445	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000156	< 0.000100	< 0.00208 U	0.000429	< 0.000200	< 0.005
	02/12/2020	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ	< 0.000100 UJ	0.00109 J	< 0.000400 UJ	< 0.000200 UJ	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00152 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00150 U	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00129	< 0.000600	< 0.000200	< 0.005
UMW-300	05/13/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/19/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/04/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-301R	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000166	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000245	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000215	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	0.000208	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-302	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.65**	< 0.000400	< 0.000200	0.125
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**1.68**	< 0.000400	< 0.000200	0.152
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**3.20**	< 0.000400	< 0.000200	0.135
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.79**	< 0.000600	< 0.000200	0.154 J
UMW-303	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00238	< 0.000400	< 0.000200	< 0.005
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00305 J+	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400 U	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00182 U	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000419 U	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	0.000280	< 0.000200	0.00548	0.00298	0.000316	< 0.005
UMW-304R	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000472	< 0.000400	< 0.000200	< 0.005
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000233 U	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000266	< 0.000100	< 0.000441 U	0.000894	0.000273	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-305	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000283	0.000283	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-306	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-307	05/14/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/20/2019	< 0.0005 UJ	< 0.0020 UJ	< 0.0020 UJ	< 0.0040 UJ	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000490	< 0.000300	0.000118	0.000192	0.000172	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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
UMW-308	05/15/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	08/21/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000172	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200
	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

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

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-305	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000113	< 0.000100	**0.910**	< 0.000400	< 0.000200	0.011
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	02/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
UMW-306	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000352	< 0.000400	< 0.000200	0.014
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.020
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00111	< 0.000600	< 0.000200	0.008
UMW-307	05/14/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.046
	08/20/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.032
	11/05/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	02/11/2020	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.00160 UJ	< 0.000800 UJ	0.046
	04/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
UMW-308	05/15/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.022
	08/21/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	11/06/2019	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.012
	02/12/2020	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	0.006
	04/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	05/05/2021	< 0.000100	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

May 18, 2021

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

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

RE: Champaign GW **WorkOrder:** 21050403

Dear Jarred Schmidt:

TEKLAB, INC received 34 samples on 5/6/2021 1:05:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Report Contents

Client: ERM
Work Order: 21050403
Client Project: Champaign GW
Report Date: 18-May-21

This reporting package includes the following:

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Abbr Definition

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

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21050403
Report Date: 18-May-21

Cooler Receipt Temp: 0.8 °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:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-001 **Client Sample ID:** UMW-102-WG-20210503

Matrix: GROUNDWATER **Collection Date:** 05/03/2021 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 15:58	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/14/2021 1:03	176772
Barium	NELAP	0.0025		**0.0564**	mg/L	1	05/14/2021 1:03	176772
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/14/2021 1:03	176772
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/14/2021 1:03	176772
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/14/2021 1:03	176772
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/14/2021 1:03	176772
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/14/2021 1:03	176772
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/11/2021 10:33	176784
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 11:31	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 11:31	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 11:31	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 11:31	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 11:31	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 11:31	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 11:31	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 11:31	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 11:31	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 11:31	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 11:31	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.3**	%REC	1	05/10/2021 11:31	176703
Surr: Nitrobenzene-d5	*	15-163		**93.3**	%REC	1	05/10/2021 11:31	176703
Surr: p-Terphenyl-d14	*	10-173		**99.3**	%REC	1	05/10/2021 11:31	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 13:11	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 13:11	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 13:11	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 13:11	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.6**	%REC	1	05/07/2021 13:11	176689
Surr: 4-Bromofluorobenzene	*	80-120		**98.0**	%REC	1	05/07/2021 13:11	176689
Surr: Dibromofluoromethane	*	80-120		**98.9**	%REC	1	05/07/2021 13:11	176689
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	05/07/2021 13:11	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-002 **Client Sample ID:** UMW-105-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.048**	mg/L	1	05/11/2021 16:02	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/14/2021 1:14	176772
Barium	NELAP	0.0025		**0.0464**	mg/L	1	05/14/2021 1:14	176772
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/14/2021 1:14	176772
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/14/2021 1:14	176772
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/14/2021 1:14	176772
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/14/2021 1:14	176772
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/14/2021 1:14	176772
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:14	176820
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:09	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:09	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 12:09	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:09	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:09	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 12:09	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:09	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 12:09	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 12:09	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 12:09	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:09	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.7**	%REC	1	05/10/2021 12:09	176703
Surr: Nitrobenzene-d5	*	15-163		**82.3**	%REC	1	05/10/2021 12:09	176703
Surr: p-Terphenyl-d14	*	10-173		**102.5**	%REC	1	05/10/2021 12:09	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 13:36	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 13:36	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 13:36	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 13:36	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.4**	%REC	1	05/07/2021 13:36	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.1**	%REC	1	05/07/2021 13:36	176689
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	05/07/2021 13:36	176689
Surr: Toluene-d8	*	80-120		**100.4**	%REC	1	05/07/2021 13:36	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-003 **Client Sample ID:** UMW-106R-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 17:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	05/11/2021 16:07	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/14/2021 1:18	176772
Barium	NELAP	0.0025		**0.103**	mg/L	1	05/14/2021 1:18	176772
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/14/2021 1:18	176772
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/14/2021 1:18	176772
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/14/2021 1:18	176772
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/14/2021 1:18	176772
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/14/2021 1:18	176772
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/11/2021 10:40	176784
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:47	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:47	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 12:47	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:47	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:47	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 12:47	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 12:47	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 12:47	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 12:47	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 12:47	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 12:47	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.3**	%REC	1	05/10/2021 12:47	176703
Surr: Nitrobenzene-d5	*	15-163		**89.0**	%REC	1	05/10/2021 12:47	176703
Surr: p-Terphenyl-d14	*	10-173		**97.4**	%REC	1	05/10/2021 12:47	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 14:02	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:02	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:02	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 14:02	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.9**	%REC	1	05/07/2021 14:02	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.0**	%REC	1	05/07/2021 14:02	176689
Surr: Dibromofluoromethane	*	80-120		**99.3**	%REC	1	05/07/2021 14:02	176689
Surr: Toluene-d8	*	80-120		**99.7**	%REC	1	05/07/2021 14:02	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-004 **Client Sample ID:** UMW-107R-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.100		**0.339**	mg/L	20	05/12/2021 8:31	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/14/2021 1:21	176772
Barium	NELAP	0.0025		**0.129**	mg/L	1	05/14/2021 1:21	176772
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/14/2021 1:21	176772
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/14/2021 1:21	176772
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/14/2021 1:21	176772
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/14/2021 1:21	176772
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/14/2021 1:21	176772
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:26	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 13:25	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 13:25	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 13:25	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 13:25	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 13:25	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 13:25	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 13:25	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 13:25	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 13:25	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 13:25	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 13:25	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.9**	%REC	1	05/10/2021 13:25	176703
Surr: Nitrobenzene-d5	*	15-163		**83.8**	%REC	1	05/10/2021 13:25	176703
Surr: p-Terphenyl-d14	*	10-173		**85.9**	%REC	1	05/10/2021 13:25	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 14:28	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:28	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:28	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 14:28	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.4**	%REC	1	05/07/2021 14:28	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.0**	%REC	1	05/07/2021 14:28	176689
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	05/07/2021 14:28	176689
Surr: Toluene-d8	*	80-120		**99.2**	%REC	1	05/07/2021 14:28	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-005 **Client Sample ID:** UMW-108-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.025**	mg/L	1	05/11/2021 16:37	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/14/2021 1:25	176772
Barium	NELAP	0.0025		**0.131**	mg/L	1	05/14/2021 1:25	176772
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/14/2021 1:25	176772
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/14/2021 1:25	176772
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/14/2021 1:25	176772
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/14/2021 1:25	176772
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/14/2021 1:25	176772
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:28	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:03	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:03	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 14:03	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:03	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:03	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 14:03	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:03	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 14:03	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 14:03	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 14:03	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:03	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.7**	%REC	1	05/10/2021 14:03	176703
Surr: Nitrobenzene-d5	*	15-163		**81.5**	%REC	1	05/10/2021 14:03	176703
Surr: p-Terphenyl-d14	*	10-173		**106.1**	%REC	1	05/10/2021 14:03	176703

Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 14:53	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:53	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 14:53	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 14:53	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.1**	%REC	1	05/07/2021 14:53	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.3**	%REC	1	05/07/2021 14:53	176689
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	05/07/2021 14:53	176689
Surr: Toluene-d8	*	80-120		**99.3**	%REC	1	05/07/2021 14:53	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-006 **Client Sample ID:** UMW-109-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.009**	mg/L	1	05/11/2021 16:41	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 20:49	176791
Barium	NELAP	0.0025		**0.0865**	mg/L	1	05/12/2021 20:49	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 20:49	176791
Chromium	NELAP	0.0050		**0.0424**	mg/L	1	05/12/2021 20:49	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 20:49	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 20:49	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 20:49	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:35	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:40	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:40	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 14:40	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:40	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:40	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 14:40	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 14:40	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 14:40	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 14:40	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 14:40	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 14:40	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.7**	%REC	1	05/10/2021 14:40	176703
Surr: Nitrobenzene-d5	*	15-163		**80.2**	%REC	1	05/10/2021 14:40	176703
Surr: p-Terphenyl-d14	*	10-173		**102.7**	%REC	1	05/10/2021 14:40	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 15:19	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 15:19	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 15:19	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 15:19	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.9**	%REC	1	05/07/2021 15:19	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.1**	%REC	1	05/07/2021 15:19	176689
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	05/07/2021 15:19	176689
Surr: Toluene-d8	*	80-120		**99.3**	%REC	1	05/07/2021 15:19	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-007 **Client Sample ID:** UMW-111A-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 16:46	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:00	176791
Barium	NELAP	0.0025		**0.0503**	mg/L	1	05/12/2021 21:00	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:00	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:00	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:00	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:00	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:00	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:37	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 17:12	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:12	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 17:12	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 17:12	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 17:12	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:12	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**70.9**	%REC	1	05/10/2021 17:12	176743
Surr: Nitrobenzene-d5	*	15-163		**78.9**	%REC	1	05/10/2021 17:12	176743
Surr: p-Terphenyl-d14	*	10-173		**92.1**	%REC	1	05/10/2021 17:12	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 17:01	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:01	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:01	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 17:01	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.5**	%REC	1	05/07/2021 17:01	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	05/07/2021 17:01	176689
Surr: Dibromofluoromethane	*	80-120		**97.3**	%REC	1	05/07/2021 17:01	176689
Surr: Toluene-d8	*	80-120		**99.4**	%REC	1	05/07/2021 17:01	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-008 **Client Sample ID:** UMW-116-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 16:50	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:04	176791
Barium	NELAP	0.0025		**0.0698**	mg/L	1	05/12/2021 21:04	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:04	176791
Chromium	NELAP	0.0050		**0.0084**	mg/L	1	05/12/2021 21:04	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:04	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:04	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:04	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:39	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 17:50	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 17:50	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 17:50	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 17:50	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 17:50	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 17:50	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.8**	%REC	1	05/10/2021 17:50	176743
Surr: Nitrobenzene-d5	*	15-163		**75.4**	%REC	1	05/10/2021 17:50	176743
Surr: p-Terphenyl-d14	*	10-173		**89.3**	%REC	1	05/10/2021 17:50	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 17:27	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:27	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:27	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 17:27	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.6**	%REC	1	05/07/2021 17:27	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.9**	%REC	1	05/07/2021 17:27	176689
Surr: Dibromofluoromethane	*	80-120		**98.5**	%REC	1	05/07/2021 17:27	176689
Surr: Toluene-d8	*	80-120		**99.7**	%REC	1	05/07/2021 17:27	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-009 **Client Sample ID:** UMW-117-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 11:24	176815
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:08	176791
Barium	NELAP	0.0025		**0.0957**	mg/L	1	05/12/2021 21:08	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:08	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:08	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:08	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:08	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:08	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:42	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 18:28	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 18:28	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 18:28	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 18:28	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 18:28	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 18:28	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.9**	%REC	1	05/10/2021 18:28	176743
Surr: Nitrobenzene-d5	*	15-163		**80.1**	%REC	1	05/10/2021 18:28	176743
Surr: p-Terphenyl-d14	*	10-173		**106.0**	%REC	1	05/10/2021 18:28	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 17:52	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:52	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 17:52	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 17:52	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.3**	%REC	1	05/07/2021 17:52	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.5**	%REC	1	05/07/2021 17:52	176689
Surr: Dibromofluoromethane	*	80-120		**97.6**	%REC	1	05/07/2021 17:52	176689
Surr: Toluene-d8	*	80-120		**100.5**	%REC	1	05/07/2021 17:52	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-010 **Client Sample ID:** UMW-118-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.022**	mg/L	1	05/11/2021 16:59	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:11	176791
Barium	NELAP	0.0025		**0.118**	mg/L	1	05/12/2021 21:11	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:11	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:11	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:11	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:11	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:11	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:44	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 19:06	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 19:06	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 19:06	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 19:06	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 19:06	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 19:06	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**66.8**	%REC	1	05/10/2021 19:06	176743
Surr: Nitrobenzene-d5	*	15-163		**73.6**	%REC	1	05/10/2021 19:06	176743
Surr: p-Terphenyl-d14	*	10-173		**101.4**	%REC	1	05/10/2021 19:06	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 18:18	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 18:18	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 18:18	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 18:18	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.7**	%REC	1	05/07/2021 18:18	176689
Surr: 4-Bromofluorobenzene	*	80-120		**98.4**	%REC	1	05/07/2021 18:18	176689
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	05/07/2021 18:18	176689
Surr: Toluene-d8	*	80-120		**100.1**	%REC	1	05/07/2021 18:18	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-011 **Client Sample ID:** UWM-119-WG-20210503

Matrix: GROUNDWATER **Collection Date:** 05/03/2021 17:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.022**	mg/L	1	05/11/2021 17:03	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:15	176791
Barium	NELAP	0.0025		**0.0781**	mg/L	1	05/12/2021 21:15	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:15	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:15	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:15	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:15	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:15	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/11/2021 10:42	176784
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:18	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:18	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 15:18	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:18	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:18	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 15:18	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:18	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 15:18	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 15:18	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 15:18	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:18	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.2**	%REC	1	05/10/2021 15:18	176703
Surr: Nitrobenzene-d5	*	15-163		**81.5**	%REC	1	05/10/2021 15:18	176703
Surr: p-Terphenyl-d14	*	10-173		**101.4**	%REC	1	05/10/2021 15:18	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/10/2021 10:40	176795
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 10:40	176795
Toluene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 10:40	176795
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/10/2021 10:40	176795
Surr: 1,2-Dichloroethane-d4	*	80-120		**91.9**	%REC	1	05/10/2021 10:40	176795
Surr: 4-Bromofluorobenzene	*	80-120		**97.3**	%REC	1	05/10/2021 10:40	176795
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	05/10/2021 10:40	176795
Surr: Toluene-d8	*	80-120		**99.6**	%REC	1	05/10/2021 10:40	176795

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-012 **Client Sample ID:** UMW-120-WG-20210503

Matrix: GROUNDWATER **Collection Date:** 05/03/2021 16:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 17:07	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:19	176791
Barium	NELAP	0.0025		**0.0462**	mg/L	1	05/12/2021 21:19	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:19	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:19	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:19	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:19	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:19	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/11/2021 10:45	176784
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:56	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:56	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 15:56	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:56	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:56	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 15:56	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 15:56	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 15:56	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 15:56	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 15:56	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 15:56	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.8**	%REC	1	05/10/2021 15:56	176703
Surr: Nitrobenzene-d5	*	15-163		**78.8**	%REC	1	05/10/2021 15:56	176703
Surr: p-Terphenyl-d14	*	10-173		**99.7**	%REC	1	05/10/2021 15:56	176703

Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/10/2021 11:06	176795
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 11:06	176795
Toluene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 11:06	176795
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/10/2021 11:06	176795
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.1**	%REC	1	05/10/2021 11:06	176795
Surr: 4-Bromofluorobenzene	*	80-120		**97.0**	%REC	1	05/10/2021 11:06	176795
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	05/10/2021 11:06	176795
Surr: Toluene-d8	*	80-120		**99.2**	%REC	1	05/10/2021 11:06	176795

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-013 **Client Sample ID:** UWM-121-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.070**	mg/L	5	05/12/2021 8:35	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:37	176791
Barium	NELAP	0.0025		**0.0924**	mg/L	1	05/12/2021 21:37	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:37	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:37	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:37	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:37	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:37	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:46	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 22:54	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 22:54	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 22:54	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 22:54	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 22:54	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 22:54	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.6**	%REC	1	05/10/2021 22:54	176743
Surr: Nitrobenzene-d5	*	15-163		**78.4**	%REC	1	05/10/2021 22:54	176743
Surr: p-Terphenyl-d14	*	10-173		**97.2**	%REC	1	05/10/2021 22:54	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/11/2021 9:27	176843
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/11/2021 9:27	176843
Toluene	NELAP	2.0		**ND**	µg/L	1	05/11/2021 9:27	176843
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/11/2021 9:27	176843
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.6**	%REC	1	05/11/2021 9:27	176843
Surr: 4-Bromofluorobenzene	*	80-120		**97.5**	%REC	1	05/11/2021 9:27	176843
Surr: Dibromofluoromethane	*	80-120		**99.4**	%REC	1	05/11/2021 9:27	176843
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	05/11/2021 9:27	176843

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-014 **Client Sample ID:** UMW-122-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	05/11/2021 17:16	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:41	176791
Barium	NELAP	0.0025		**0.0332**	mg/L	1	05/12/2021 21:41	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:41	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:41	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:41	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:41	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:41	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:48	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 23:32	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 23:32	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 23:32	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 23:32	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 23:32	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 23:32	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.0**	%REC	1	05/10/2021 23:32	176743
Surr: Nitrobenzene-d5	*	15-163		**71.4**	%REC	1	05/10/2021 23:32	176743
Surr: p-Terphenyl-d14	*	10-173		**90.9**	%REC	1	05/10/2021 23:32	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 23:00	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 23:00	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 23:00	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 23:00	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.6**	%REC	1	05/07/2021 23:00	176733
Surr: 4-Bromofluorobenzene	*	80-120		**98.1**	%REC	1	05/07/2021 23:00	176733
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	05/07/2021 23:00	176733
Surr: Toluene-d8	*	80-120		**99.2**	%REC	1	05/07/2021 23:00	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-015 **Client Sample ID:** UMW-123-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 16:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 17:42	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:45	176791
Barium	NELAP	0.0025		**0.0208**	mg/L	1	05/12/2021 21:45	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:45	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:45	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:45	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:45	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:45	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 12:55	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 0:10	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:10	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 0:10	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 0:10	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 0:10	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:10	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**66.8**	%REC	1	05/11/2021 0:10	176743
Surr: Nitrobenzene-d5	*	15-163		**73.5**	%REC	1	05/11/2021 0:10	176743
Surr: p-Terphenyl-d14	*	10-173		**93.7**	%REC	1	05/11/2021 0:10	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 23:26	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 23:26	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 23:26	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 23:26	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.2**	%REC	1	05/07/2021 23:26	176733
Surr: 4-Bromofluorobenzene	*	80-120		**98.1**	%REC	1	05/07/2021 23:26	176733
Surr: Dibromofluoromethane	*	80-120		**98.6**	%REC	1	05/07/2021 23:26	176733
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	05/07/2021 23:26	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-016 **Client Sample ID:** UMW-124-WG-20210506

Matrix: GROUNDWATER **Collection Date:** 05/06/2021 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 17:47	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:49	176791
Barium	NELAP	0.0125		**0.0295**	mg/L	5	05/13/2021 21:27	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:49	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:49	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:49	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:49	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:49	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:02	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000465**	mg/L	1	05/11/2021 1:27	176743
Acenaphthylene	NELAP	0.000100		**0.000316**	mg/L	1	05/11/2021 1:27	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 1:27	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 1:27	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 1:27	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 1:27	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 1:27	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 1:27	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Naphthalene	NELAP	0.0100		**0.0534**	mg/L	25	05/11/2021 22:12	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 1:27	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 1:27	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.2**	%REC	1	05/11/2021 1:27	176743
Surr: Nitrobenzene-d5	*	15-163		**72.4**	%REC	1	05/11/2021 1:27	176743
Surr: p-Terphenyl-d14	*	10-173		**92.7**	%REC	1	05/11/2021 1:27	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**91.2**	µg/L	1	05/07/2021 23:51	176733
Ethylbenzene	NELAP	2.0		**13.4**	µg/L	1	05/07/2021 23:51	176733
Toluene	NELAP	2.0		**77.6**	µg/L	1	05/07/2021 23:51	176733
Xylenes, Total	NELAP	4.0		**39.5**	µg/L	1	05/07/2021 23:51	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.3**	%REC	1	05/07/2021 23:51	176733
Surr: 4-Bromofluorobenzene	*	80-120		**94.8**	%REC	1	05/07/2021 23:51	176733
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	05/07/2021 23:51	176733
Surr: Toluene-d8	*	80-120		**100.4**	%REC	1	05/07/2021 23:51	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-017 **Client Sample ID:** UMW-125-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 10:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.038**	mg/L	1	05/11/2021 17:51	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:52	176791
Barium	NELAP	0.0050		**0.0108**	mg/L	2	05/13/2021 21:54	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:52	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:52	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:52	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:52	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:52	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:05	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 0:48	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 0:48	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 0:48	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 0:48	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 0:48	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 0:48	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.8**	%REC	1	05/11/2021 0:48	176743
Surr: Nitrobenzene-d5	*	15-163		**68.3**	%REC	1	05/11/2021 0:48	176743
Surr: p-Terphenyl-d14	*	10-173		**78.1**	%REC	1	05/11/2021 0:48	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 0:17	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 0:17	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 0:17	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 0:17	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.0**	%REC	1	05/08/2021 0:17	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.3**	%REC	1	05/08/2021 0:17	176733
Surr: Dibromofluoromethane	*	80-120		**98.0**	%REC	1	05/08/2021 0:17	176733
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	05/08/2021 0:17	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-018 **Client Sample ID:** UMW-126-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 13:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 17:55	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 21:56	176791
Barium	NELAP	0.0025		**0.0250**	mg/L	1	05/12/2021 21:56	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 21:56	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 21:56	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 21:56	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 21:56	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 21:56	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:07	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 12:43	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:43	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 12:43	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Naphthalene	NELAP	0.000400		**0.000455**	mg/L	1	05/11/2021 23:28	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 12:43	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:43	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.1**	%REC	1	05/11/2021 12:43	176743
Surr: Nitrobenzene-d5	*	15-163		**70.5**	%REC	1	05/11/2021 12:43	176743
Surr: p-Terphenyl-d14	*	10-173		**86.2**	%REC	1	05/11/2021 12:43	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**77.8**	µg/L	1	05/08/2021 0:43	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 0:43	176733
Toluene	NELAP	2.0		**4.5**	µg/L	1	05/08/2021 0:43	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 0:43	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.5**	%REC	1	05/08/2021 0:43	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.5**	%REC	1	05/08/2021 0:43	176733
Surr: Dibromofluoromethane	*	80-120		**98.1**	%REC	1	05/08/2021 0:43	176733
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	05/08/2021 0:43	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-019 **Client Sample ID:** UMW-127-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 13:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/11/2021 18:00	176756
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:00	176791
Barium	NELAP	0.0125		**0.159**	mg/L	5	05/13/2021 21:57	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:00	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:00	176791
Lead	NELAP	0.0075		**0.0123**	mg/L	1	05/12/2021 22:00	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:00	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:00	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:09	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000187**	mg/L	1	05/11/2021 13:59	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 13:59	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 13:59	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 13:59	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 13:59	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 13:59	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 13:59	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 13:59	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Naphthalene	NELAP	0.000400		**0.00129**	mg/L	1	05/11/2021 13:59	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 13:59	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 13:59	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.7**	%REC	1	05/11/2021 13:59	176743
Surr: Nitrobenzene-d5	*	15-163		**84.8**	%REC	1	05/11/2021 13:59	176743
Surr: p-Terphenyl-d14	*	10-173		**81.2**	%REC	1	05/11/2021 13:59	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.2**	µg/L	1	05/08/2021 1:08	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 1:08	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 1:08	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 1:08	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.1**	%REC	1	05/08/2021 1:08	176733
Surr: 4-Bromofluorobenzene	*	80-120		**96.1**	%REC	1	05/08/2021 1:08	176733
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	05/08/2021 1:08	176733
Surr: Toluene-d8	*	80-120		**99.4**	%REC	1	05/08/2021 1:08	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-020 **Client Sample ID:** UMW-300-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 9:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 9:58	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:03	176791
Barium	NELAP	0.0025		**0.0833**	mg/L	1	05/12/2021 22:03	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:03	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:03	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:03	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:03	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:03	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:12	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 14:37	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 14:37	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 14:37	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 14:37	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 14:37	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 14:37	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.8**	%REC	1	05/11/2021 14:37	176743
Surr: Nitrobenzene-d5	*	15-163		**73.8**	%REC	1	05/11/2021 14:37	176743
Surr: p-Terphenyl-d14	*	10-173		**95.8**	%REC	1	05/11/2021 14:37	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 1:34	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 1:34	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 1:34	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 1:34	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.8**	%REC	1	05/08/2021 1:34	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.9**	%REC	1	05/08/2021 1:34	176733
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	05/08/2021 1:34	176733
Surr: Toluene-d8	*	80-120		**99.8**	%REC	1	05/08/2021 1:34	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-021 **Client Sample ID:** UMW-301R-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 11:41	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:07	176791
Barium	NELAP	0.0025		**0.0731**	mg/L	1	05/12/2021 22:07	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:07	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:07	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:07	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:07	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:07	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:14	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00308**	mg/L	1	05/11/2021 15:15	176743
Acenaphthylene	NELAP	0.000100		**0.00264**	mg/L	1	05/11/2021 15:15	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 15:15	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:15	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:15	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:15	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:15	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:15	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:15	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:15	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 15:15	176743
Fluorene	NELAP	0.000200		**0.000208**	mg/L	1	05/11/2021 15:15	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:15	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 15:15	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 15:15	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:15	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.7**	%REC	1	05/11/2021 15:15	176743
Surr: Nitrobenzene-d5	*	15-163		**77.2**	%REC	1	05/11/2021 15:15	176743
Surr: p-Terphenyl-d14	*	10-173		**90.8**	%REC	1	05/11/2021 15:15	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 2:00	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 2:00	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 2:00	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 2:00	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.3**	%REC	1	05/08/2021 2:00	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.0**	%REC	1	05/08/2021 2:00	176733
Surr: Dibromofluoromethane	*	80-120		**98.1**	%REC	1	05/08/2021 2:00	176733
Surr: Toluene-d8	*	80-120		**99.4**	%REC	1	05/08/2021 2:00	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-022 **Client Sample ID:** UMW-302-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 17:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.154**	mg/L	5	05/12/2021 16:49	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:26	176791
Barium	NELAP	0.0025		**0.0604**	mg/L	1	05/12/2021 22:26	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:26	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:26	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:26	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:26	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:26	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:16	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000776**	mg/L	1	05/11/2021 12:05	176743
Acenaphthylene	NELAP	0.000100		**0.000501**	mg/L	1	05/11/2021 12:05	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 12:05	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:05	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:05	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:05	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 12:05	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 12:05	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Naphthalene	NELAP	0.400		**2.79**	mg/L	1000	05/12/2021 0:06	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 12:05	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 12:05	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**91.5**	%REC	1	05/11/2021 12:05	176743
Surr: Nitrobenzene-d5	*	15-163		**36.9**	%REC	1	05/11/2021 12:05	176743
Surr: p-Terphenyl-d14	*	10-173		**91.2**	%REC	1	05/11/2021 12:05	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**392**	µg/L	10	05/08/2021 2:25	176733
Ethylbenzene	NELAP	20.0		**916**	µg/L	10	05/08/2021 2:25	176733
Toluene	NELAP	20.0		**ND**	µg/L	10	05/08/2021 2:25	176733
Xylenes, Total	NELAP	40.0		**287**	µg/L	10	05/08/2021 2:25	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.8**	%REC	10	05/08/2021 2:25	176733
Surr: 4-Bromofluorobenzene	*	80-120		**94.5**	%REC	10	05/08/2021 2:25	176733
Surr: Dibromofluoromethane	*	80-120		**97.2**	%REC	10	05/08/2021 2:25	176733
Surr: Toluene-d8	*	80-120		**99.2**	%REC	10	05/08/2021 2:25	176733

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

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-023 **Client Sample ID:** UMW-303-WG-20210504

Matrix: GROUNDWATER **Collection Date:** 05/04/2021 14:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 11:50	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:29	176791
Barium	NELAP	0.0025		**0.0398**	mg/L	1	05/12/2021 22:29	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:29	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:29	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:29	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:29	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:29	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:18	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Anthracene	NELAP	0.000300		**0.000475**	mg/L	1	05/11/2021 15:53	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:53	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:53	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 15:53	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:53	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 15:53	176743
Fluorene	NELAP	0.000200		**0.000280**	mg/L	1	05/11/2021 15:53	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 15:53	176743
Naphthalene	NELAP	0.00200		**0.00548**	mg/L	5	05/12/2021 0:43	176743
Phenanthrene	NELAP	0.000600		**0.00298**	mg/L	1	05/11/2021 15:53	176743
Pyrene	NELAP	0.000200		**0.000316**	mg/L	1	05/11/2021 15:53	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.1**	%REC	1	05/11/2021 15:53	176743
Surr: Nitrobenzene-d5	*	15-163		**83.5**	%REC	1	05/11/2021 15:53	176743
Surr: p-Terphenyl-d14	*	10-173		**80.7**	%REC	1	05/11/2021 15:53	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 2:51	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 2:51	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 2:51	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 2:51	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.7**	%REC	1	05/08/2021 2:51	176733
Surr: 4-Bromofluorobenzene	*	80-120		**98.0**	%REC	1	05/08/2021 2:51	176733
Surr: Dibromofluoromethane	*	80-120		**97.2**	%REC	1	05/08/2021 2:51	176733
Surr: Toluene-d8	*	80-120		**99.9**	%REC	1	05/08/2021 2:51	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-024 **Client Sample ID:** UMW-304R-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:16	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:37	176791
Barium	NELAP	0.0025		**0.0958**	mg/L	1	05/12/2021 22:37	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:37	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:37	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:37	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:37	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:37	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:21	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000418**	mg/L	1	05/11/2021 16:31	176743
Acenaphthylene	NELAP	0.000100		**0.000740**	mg/L	1	05/11/2021 16:31	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 16:31	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 16:31	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 16:31	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 16:31	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 16:31	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 16:31	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 16:31	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 16:31	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 16:31	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.6**	%REC	1	05/11/2021 16:31	176743
Surr: Nitrobenzene-d5	*	15-163		**79.1**	%REC	1	05/11/2021 16:31	176743
Surr: p-Terphenyl-d14	*	10-173		**82.8**	%REC	1	05/11/2021 16:31	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 3:16	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 3:16	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 3:16	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 3:16	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.0**	%REC	1	05/08/2021 3:16	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.8**	%REC	1	05/08/2021 3:16	176733
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	05/08/2021 3:16	176733
Surr: Toluene-d8	*	80-120		**99.5**	%REC	1	05/08/2021 3:16	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-025 **Client Sample ID:** UMW-305-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 9:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	05/13/2021 15:32	176859
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/12/2021 22:41	176791
Barium	NELAP	0.0025		**0.102**	mg/L	1	05/12/2021 22:41	176791
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/12/2021 22:41	176791
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/12/2021 22:41	176791
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/12/2021 22:41	176791
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/12/2021 22:41	176791
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/12/2021 22:41	176791
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/12/2021 13:23	176821
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 17:09	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 17:09	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 17:09	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 17:09	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 17:09	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 17:09	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.8**	%REC	1	05/11/2021 17:09	176743
Surr: Nitrobenzene-d5	*	15-163		**77.7**	%REC	1	05/11/2021 17:09	176743
Surr: p-Terphenyl-d14	*	10-173		**90.5**	%REC	1	05/11/2021 17:09	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 3:42	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 3:42	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 3:42	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 3:42	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.9**	%REC	1	05/08/2021 3:42	176733
Surr: 4-Bromofluorobenzene	*	80-120		**98.3**	%REC	1	05/08/2021 3:42	176733
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	05/08/2021 3:42	176733
Surr: Toluene-d8	*	80-120		**99.9**	%REC	1	05/08/2021 3:42	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-026 **Client Sample ID:** UMW-306-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	05/12/2021 10:15	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:24	176792
Barium	NELAP	0.0025		**0.107**	mg/L	1	05/13/2021 22:24	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:24	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:24	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:24	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:24	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:24	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 10:42	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000105**	mg/L	1	05/12/2021 14:13	176774
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 14:13	176774
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 14:13	176774
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 14:13	176774
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 14:13	176774
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 14:13	176774
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 14:13	176774
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 14:13	176774
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Naphthalene	NELAP	0.000400	S	**0.00111**	mg/L	1	05/12/2021 14:13	176774
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/12/2021 14:13	176774
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 14:13	176774
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.5**	%REC	1	05/12/2021 14:13	176774
Surr: Nitrobenzene-d5	*	15-163		**86.1**	%REC	1	05/12/2021 14:13	176774
Surr: p-Terphenyl-d14	*	10-173		**95.4**	%REC	1	05/12/2021 14:13	176774
Matrix spike did not recover within control limits due to sample composition.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/10/2021 16:13	176795
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 16:13	176795
Toluene	NELAP	2.0		**ND**	µg/L	1	05/10/2021 16:13	176795
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/10/2021 16:13	176795
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.8**	%REC	1	05/10/2021 16:13	176795
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	05/10/2021 16:13	176795
Surr: Dibromofluoromethane	*	80-120		**98.5**	%REC	1	05/10/2021 16:13	176795
Surr: Toluene-d8	*	80-120		**99.3**	%REC	1	05/10/2021 16:13	176795

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-027 **Client Sample ID:** UMW-307-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.048**	mg/L	1	05/12/2021 12:21	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:29	176792
Barium	NELAP	0.0025		**0.111**	mg/L	1	05/13/2021 22:29	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:29	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:29	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:29	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:29	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:29	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 10:53	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 19:02	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:02	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 19:02	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 19:02	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 19:02	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:02	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**56.0**	%REC	1	05/11/2021 19:02	176743
Surr: Nitrobenzene-d5	*	15-163		**79.4**	%REC	1	05/11/2021 19:02	176743
Surr: p-Terphenyl-d14	*	10-173		**94.9**	%REC	1	05/11/2021 19:02	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 4:59	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 4:59	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 4:59	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 4:59	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.7**	%REC	1	05/08/2021 4:59	176733
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	05/08/2021 4:59	176733
Surr: Dibromofluoromethane	*	80-120		**98.6**	%REC	1	05/08/2021 4:59	176733
Surr: Toluene-d8	*	80-120		**99.6**	%REC	1	05/08/2021 4:59	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-028 **Client Sample ID:** UMW-308-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:25	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:30	176792
Barium	NELAP	0.0025		**0.130**	mg/L	1	05/13/2021 22:30	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:30	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:30	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:30	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:30	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:30	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 10:56	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 19:40	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/11/2021 19:40	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/11/2021 19:40	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/11/2021 19:40	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/11/2021 19:40	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/11/2021 19:40	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**55.5**	%REC	1	05/11/2021 19:40	176743
Surr: Nitrobenzene-d5	*	15-163		**71.2**	%REC	1	05/11/2021 19:40	176743
Surr: p-Terphenyl-d14	*	10-173		**89.8**	%REC	1	05/11/2021 19:40	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/08/2021 5:25	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 5:25	176733
Toluene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 5:25	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 5:25	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.7**	%REC	1	05/08/2021 5:25	176733
Surr: 4-Bromofluorobenzene	*	80-120		**98.0**	%REC	1	05/08/2021 5:25	176733
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	05/08/2021 5:25	176733
Surr: Toluene-d8	*	80-120		**99.4**	%REC	1	05/08/2021 5:25	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-029 **Client Sample ID:** DUP 001-WG-20210506

Matrix: GROUNDWATER **Collection Date:** 05/06/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:33	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:32	176792
Barium	NELAP	0.0025		**0.0295**	mg/L	1	05/13/2021 22:32	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:32	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:32	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:32	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:32	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:32	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 10:58	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000496**	mg/L	1	05/12/2021 1:21	176743
Acenaphthylene	NELAP	0.000100		**0.000290**	mg/L	1	05/12/2021 1:21	176743
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 1:21	176743
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 1:21	176743
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 1:21	176743
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 1:21	176743
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 1:21	176743
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 1:21	176743
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Naphthalene	NELAP	0.0100		**0.0534**	mg/L	25	05/11/2021 22:50	176743
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/12/2021 1:21	176743
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 1:21	176743
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.5**	%REC	1	05/12/2021 1:21	176743
Surr: Nitrobenzene-d5	*	15-163		**76.6**	%REC	1	05/12/2021 1:21	176743
Surr: p-Terphenyl-d14	*	10-173		**84.6**	%REC	1	05/12/2021 1:21	176743
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**91.3**	µg/L	1	05/08/2021 5:50	176733
Ethylbenzene	NELAP	2.0		**13.5**	µg/L	1	05/08/2021 5:50	176733
Toluene	NELAP	2.0		**78.1**	µg/L	1	05/08/2021 5:50	176733
Xylenes, Total	NELAP	4.0		**39.7**	µg/L	1	05/08/2021 5:50	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.5**	%REC	1	05/08/2021 5:50	176733
Surr: 4-Bromofluorobenzene	*	80-120		**94.9**	%REC	1	05/08/2021 5:50	176733
Surr: Dibromofluoromethane	*	80-120		**98.4**	%REC	1	05/08/2021 5:50	176733
Surr: Toluene-d8	*	80-120		**100.6**	%REC	1	05/08/2021 5:50	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-030 **Client Sample ID:** DUP 002-WG-20200505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:38	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:40	176792
Barium	NELAP	0.0025		**0.0230**	mg/L	1	05/13/2021 22:40	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:40	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:40	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:40	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:40	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:40	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 11:05	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 13:35	176774
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 13:35	176774
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 13:35	176774
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Naphthalene	NELAP	0.000400		**0.000554**	mg/L	1	05/12/2021 13:35	176774
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/12/2021 13:35	176774
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 13:35	176774
Surr: 2-Fluorobiphenyl	*	21.4-142		**66.0**	%REC	1	05/12/2021 13:35	176774
Surr: Nitrobenzene-d5	*	15-163		**87.4**	%REC	1	05/12/2021 13:35	176774
Surr: p-Terphenyl-d14	*	10-173		**101.0**	%REC	1	05/12/2021 13:35	176774
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**75.5**	µg/L	1	05/08/2021 6:16	176733
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/08/2021 6:16	176733
Toluene	NELAP	2.0		**4.6**	µg/L	1	05/08/2021 6:16	176733
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/08/2021 6:16	176733
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.5**	%REC	1	05/08/2021 6:16	176733
Surr: 4-Bromofluorobenzene	*	80-120		**96.6**	%REC	1	05/08/2021 6:16	176733
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	05/08/2021 6:16	176733
Surr: Toluene-d8	*	80-120		**100.1**	%REC	1	05/08/2021 6:16	176733

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-031 **Client Sample ID:** DUP 003-WG-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.093**	mg/L	5	05/12/2021 16:53	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:42	176792
Barium	NELAP	0.0025		**0.0597**	mg/L	1	05/13/2021 22:42	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:42	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:42	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:42	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:42	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:42	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 11:08	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000862**	mg/L	1	05/12/2021 17:23	176774
Acenaphthylene	NELAP	0.000100		**0.000551**	mg/L	1	05/12/2021 17:23	176774
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 17:23	176774
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 17:23	176774
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 17:23	176774
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 17:23	176774
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 17:23	176774
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 17:23	176774
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Naphthalene	NELAP	0.400		**2.92**	mg/L	1000	05/12/2021 16:07	176774
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/12/2021 17:23	176774
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 17:23	176774
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**0**	%REC	1000	05/12/2021 16:07	176774
Surr: Nitrobenzene-d5	*	15-163	S	**0**	%REC	1000	05/12/2021 16:07	176774
Surr: p-Terphenyl-d14	*	10-173		**100.0**	%REC	1	05/12/2021 17:23	176774
Surrogate recovery is outside control limits due to matrix interference.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**390**	µg/L	10	05/11/2021 15:26	176843
Ethylbenzene	NELAP	20.0		**883**	µg/L	10	05/11/2021 15:26	176843
Toluene	NELAP	20.0		**ND**	µg/L	10	05/11/2021 15:26	176843
Xylenes, Total	NELAP	40.0		**268**	µg/L	10	05/11/2021 15:26	176843
Surr: 1,2-Dichloroethane-d4	*	80-120		**90.5**	%REC	10	05/11/2021 15:26	176843
Surr: 4-Bromofluorobenzene	*	80-120		**95.0**	%REC	10	05/11/2021 15:26	176843
Surr: Dibromofluoromethane	*	80-120		**96.8**	%REC	10	05/11/2021 15:26	176843
Surr: Toluene-d8	*	80-120		**98.9**	%REC	10	05/11/2021 15:26	176843
Elevated reporting limit due to high levels of target and/or non-target analytes.								

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-032 **Client Sample ID:** EB-01-WQ-20210503

Matrix: GROUNDWATER **Collection Date:** 05/03/2021 13:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:51	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:44	176792
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	05/13/2021 22:44	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:44	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:44	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:44	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:44	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:44	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/11/2021 10:47	176784
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 16:34	176703
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 16:34	176703
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 16:34	176703
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 16:34	176703
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 16:34	176703
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Benzo(k)fluoranthene	NELAP	0.000100	B	**ND**	mg/L	1	05/10/2021 16:34	176703
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/10/2021 16:34	176703
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/10/2021 16:34	176703
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	05/10/2021 16:34	176703
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/10/2021 16:34	176703
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/10/2021 16:34	176703
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.8**	%REC	1	05/10/2021 16:34	176703
Surr: Nitrobenzene-d5	*	15-163		**84.3**	%REC	1	05/10/2021 16:34	176703
Surr: p-Terphenyl-d14	*	10-173		**106.6**	%REC	1	05/10/2021 16:34	176703
Contamination present in the MBLK for Benzo(k)fluoranthene. 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	05/07/2021 9:20	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 9:20	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 9:20	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 9:20	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**91.7**	%REC	1	05/07/2021 9:20	176689
Surr: 4-Bromofluorobenzene	*	80-120		**97.1**	%REC	1	05/07/2021 9:20	176689
Surr: Dibromofluoromethane	*	80-120		**97.8**	%REC	1	05/07/2021 9:20	176689
Surr: Toluene-d8	*	80-120		**100.2**	%REC	1	05/07/2021 9:20	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-033 **Client Sample ID:** TB-01-WQ-20210503

Matrix: TRIP BLANK **Collection Date:** 05/06/2021 13:05

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	05/07/2021 9:46	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 9:46	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 9:46	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 9:46	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**91.6**	%REC	1	05/07/2021 9:46	176689
Surr: 4-Bromofluorobenzene	*	80-120		**96.9**	%REC	1	05/07/2021 9:46	176689
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	05/07/2021 9:46	176689
Surr: Toluene-d8	*	80-120		**99.8**	%REC	1	05/07/2021 9:46	176689

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Lab ID: 21050403-034 **Client Sample ID:** EB-02-WQ-20210505

Matrix: GROUNDWATER **Collection Date:** 05/05/2021 7:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	05/12/2021 12:55	176814
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	05/13/2021 22:45	176792
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	05/13/2021 22:45	176792
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	05/13/2021 22:45	176792
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	05/13/2021 22:45	176792
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	05/13/2021 22:45	176792
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	05/13/2021 22:45	176792
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	05/13/2021 22:45	176792
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	05/13/2021 11:10	176861
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Anthracene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 16:45	176774
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Chrysene	NELAP	0.000100		**ND**	mg/L	1	05/12/2021 16:45	176774
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	05/12/2021 16:45	176774
Fluorene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Naphthalene	NELAP	0.00200		**0.00570**	mg/L	5	05/12/2021 19:55	176774
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	05/12/2021 16:45	176774
Pyrene	NELAP	0.000200		**ND**	mg/L	1	05/12/2021 16:45	176774
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.2**	%REC	1	05/12/2021 16:45	176774
Surr: Nitrobenzene-d5	*	15-163		**90.6**	%REC	1	05/12/2021 16:45	176774
Surr: p-Terphenyl-d14	*	10-173		**101.3**	%REC	1	05/12/2021 16:45	176774
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	05/07/2021 10:11	176689
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 10:11	176689
Toluene	NELAP	2.0		**ND**	µg/L	1	05/07/2021 10:11	176689
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	05/07/2021 10:11	176689
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.3**	%REC	1	05/07/2021 10:11	176689
Surr: 4-Bromofluorobenzene	*	80-120		**96.9**	%REC	1	05/07/2021 10:11	176689
Surr: Dibromofluoromethane	*	80-120		**97.8**	%REC	1	05/07/2021 10:11	176689
Surr: Toluene-d8	*	80-120		**99.7**	%REC	1	05/07/2021 10:11	176689

Client: ERM
Client Project: Champaign GW

Work Order: 21050403
Report Date: 18-May-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21050403-001	UMW-102-WG-20210503	Groundwater	4	05/03/2021 15:00
21050403-002	UMW-105-WG-20210505	Groundwater	4	05/05/2021 10:50
21050403-003	UMW-106R-WG-20210504	Groundwater	4	05/04/2021 17:15
21050403-004	UMW-107R-WG-20210504	Groundwater	4	05/04/2021 11:50
21050403-005	UMW-108-WG-20210504	Groundwater	4	05/04/2021 10:55
21050403-006	UMW-109-WG-20210504	Groundwater	4	05/04/2021 9:45
21050403-007	UMW-111A-WG-20210504	Groundwater	4	05/04/2021 8:15
21050403-008	UMW-116-WG-20210504	Groundwater	4	05/04/2021 16:05
21050403-009	UMW-117-WG-20210504	Groundwater	4	05/04/2021 12:00
21050403-010	UMW-118-WG-20210504	Groundwater	4	05/04/2021 10:45
21050403-011	UWM-119-WG-20210503	Groundwater	4	05/03/2021 17:10
21050403-012	UMW-120-WG-20210503	Groundwater	4	05/03/2021 16:05
21050403-013	UWM-121-WG-20210505	Groundwater	4	05/05/2021 11:45
21050403-014	UMW-122-WG-20210504	Groundwater	4	05/04/2021 14:45
21050403-015	UMW-123-WG-20210504	Groundwater	4	05/04/2021 16:00
21050403-016	UMW-124-WG-20210506	Groundwater	4	05/06/2021 8:15
21050403-017	UMW-125-WG-20210505	Groundwater	4	05/05/2021 10:55
21050403-018	UMW-126-WG-20210505	Groundwater	4	05/05/2021 13:35
21050403-019	UMW-127-WG-20210505	Groundwater	4	05/05/2021 13:15
21050403-020	UMW-300-WG-20210504	Groundwater	4	05/04/2021 9:15
21050403-021	UMW-301R-WG-20210505	Groundwater	4	05/05/2021 14:15
21050403-022	UMW-302-WG-20210505	Groundwater	4	05/05/2021 17:15
21050403-023	UMW-303-WG-20210504	Groundwater	4	05/04/2021 14:55
21050403-024	UMW-304R-WG-20210505	Groundwater	4	05/05/2021 11:50
21050403-025	UMW-305-WG-20210505	Groundwater	4	05/05/2021 9:40
21050403-026	UMW-306-WG-20210505	Groundwater	4	05/05/2021 9:10
21050403-027	UMW-307-WG-20210505	Groundwater	4	05/05/2021 8:30
21050403-028	UMW-308-WG-20210505	Groundwater	4	05/05/2021 16:10
21050403-029	DUP 001-WG-20210506	Groundwater	4	05/06/2021 0:00
21050403-030	DUP 002-WG-20200505	Groundwater	4	05/05/2021 0:00
21050403-031	DUP 003-WG-20210505	Groundwater	4	05/05/2021 0:00
21050403-032	EB-01-WQ-20210503	Groundwater	4	05/03/2021 13:00
21050403-033	TB-01-WQ-20210503	Trip Blank	1	05/06/2021 13:05
21050403-034	EB-02-WQ-20210505	Groundwater	4	05/05/2021 7:00

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21050403-001A	UMW-102-WG-20210503	05/03/2021 15:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 11:31
21050403-001B	UMW-102-WG-20210503	05/03/2021 15:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/10/2021 18:53	05/14/2021 1:03
	SW-846 7470A (Total)			05/10/2021 22:01	05/11/2021 10:33
21050403-001C	UMW-102-WG-20210503	05/03/2021 15:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 15:58
21050403-001D	UMW-102-WG-20210503	05/03/2021 15:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 13:11
21050403-002A	UMW-105-WG-20210505	05/05/2021 10:50	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 12:09
21050403-002B	UMW-105-WG-20210505	05/05/2021 10:50	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/10/2021 18:53	05/14/2021 1:14
	SW-846 7470A (Total)			05/11/2021 17:17	05/12/2021 12:14
21050403-002C	UMW-105-WG-20210505	05/05/2021 10:50	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:02
21050403-002D	UMW-105-WG-20210505	05/05/2021 10:50	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 13:36
21050403-003A	UMW-106R-WG-20210504	05/04/2021 17:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 12:47
21050403-003B	UMW-106R-WG-20210504	05/04/2021 17:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/10/2021 18:53	05/14/2021 1:18
	SW-846 7470A (Total)			05/10/2021 22:01	05/11/2021 10:40
21050403-003C	UMW-106R-WG-20210504	05/04/2021 17:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:07
21050403-003D	UMW-106R-WG-20210504	05/04/2021 17:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 14:02
21050403-004A	UMW-107R-WG-20210504	05/04/2021 11:50	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 13:25
21050403-004B	UMW-107R-WG-20210504	05/04/2021 11:50	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/10/2021 18:53	05/14/2021 1:21
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:26
21050403-004C	UMW-107R-WG-20210504	05/04/2021 11:50	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/12/2021 8:31
21050403-004D	UMW-107R-WG-20210504	05/04/2021 11:50	05/06/2021 13:05		

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 14:28
21050403-005A	UMW-108-WG-20210504	05/04/2021 10:55	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 14:03
21050403-005B	UMW-108-WG-20210504	05/04/2021 10:55	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/10/2021 18:53	05/14/2021 1:25
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:28
21050403-005C	UMW-108-WG-20210504	05/04/2021 10:55	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:37
21050403-005D	UMW-108-WG-20210504	05/04/2021 10:55	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 14:53
21050403-006A	UMW-109-WG-20210504	05/04/2021 9:45	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 14:40
21050403-006B	UMW-109-WG-20210504	05/04/2021 9:45	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 20:49
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:35
21050403-006C	UMW-109-WG-20210504	05/04/2021 9:45	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:41
21050403-006D	UMW-109-WG-20210504	05/04/2021 9:45	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 15:19
21050403-007A	UMW-111A-WG-20210504	05/04/2021 8:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 17:12
21050403-007B	UMW-111A-WG-20210504	05/04/2021 8:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:00
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:37
21050403-007C	UMW-111A-WG-20210504	05/04/2021 8:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:46
21050403-007D	UMW-111A-WG-20210504	05/04/2021 8:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 17:01
21050403-008A	UMW-116-WG-20210504	05/04/2021 16:05	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 17:50
21050403-008B	UMW-116-WG-20210504	05/04/2021 16:05	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:04
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:39
21050403-008C	UMW-116-WG-20210504	05/04/2021 16:05	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:50

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21050403-008D	UMW-116-WG-20210504	05/04/2021 16:05	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 17:27
21050403-009A	UMW-117-WG-20210504	05/04/2021 12:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 18:28
21050403-009B	UMW-117-WG-20210504	05/04/2021 12:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:08
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:42
21050403-009C	UMW-117-WG-20210504	05/04/2021 12:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 11:24
21050403-009D	UMW-117-WG-20210504	05/04/2021 12:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 17:52
21050403-010A	UMW-118-WG-20210504	05/04/2021 10:45	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 19:06
21050403-010B	UMW-118-WG-20210504	05/04/2021 10:45	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:11
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:44
21050403-010C	UMW-118-WG-20210504	05/04/2021 10:45	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 16:59
21050403-010D	UMW-118-WG-20210504	05/04/2021 10:45	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 18:18
21050403-011A	UWM-119-WG-20210503	05/03/2021 17:10	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 15:18
21050403-011B	UWM-119-WG-20210503	05/03/2021 17:10	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:15
	SW-846 7470A (Total)			05/10/2021 22:01	05/11/2021 10:42
21050403-011C	UWM-119-WG-20210503	05/03/2021 17:10	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:03
21050403-011D	UWM-119-WG-20210503	05/03/2021 17:10	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2021 10:40
21050403-012A	UMW-120-WG-20210503	05/03/2021 16:05	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 15:56
21050403-012B	UMW-120-WG-20210503	05/03/2021 16:05	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:19
	SW-846 7470A (Total)			05/10/2021 22:01	05/11/2021 10:45
21050403-012C	UMW-120-WG-20210503	05/03/2021 16:05	05/06/2021 13:05		

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:07
21050403-012D	UMW-120-WG-20210503	05/03/2021 16:05	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2021 11:06
21050403-013A	UWM-121-WG-20210505	05/05/2021 11:45	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 22:54
21050403-013B	UWM-121-WG-20210505	05/05/2021 11:45	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:37
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:46
21050403-013C	UWM-121-WG-20210505	05/05/2021 11:45	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/12/2021 8:35
21050403-013D	UWM-121-WG-20210505	05/05/2021 11:45	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2021 9:27
21050403-014A	UMW-122-WG-20210504	05/04/2021 14:45	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/10/2021 23:32
21050403-014B	UMW-122-WG-20210504	05/04/2021 14:45	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:41
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:48
21050403-014C	UMW-122-WG-20210504	05/04/2021 14:45	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:16
21050403-014D	UMW-122-WG-20210504	05/04/2021 14:45	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 23:00
21050403-015A	UMW-123-WG-20210504	05/04/2021 16:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/11/2021 0:10
21050403-015B	UMW-123-WG-20210504	05/04/2021 16:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:45
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 12:55
21050403-015C	UMW-123-WG-20210504	05/04/2021 16:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:42
21050403-015D	UMW-123-WG-20210504	05/04/2021 16:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 23:26
21050403-016A	UMW-124-WG-20210506	05/06/2021 8:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/11/2021 1:27
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/11/2021 22:12
21050403-016B	UMW-124-WG-20210506	05/06/2021 8:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:49

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/13/2021 21:27
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:02
21050403-016C	UMW-124-WG-20210506	05/06/2021 8:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:47
21050403-016D	UMW-124-WG-20210506	05/06/2021 8:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 23:51
21050403-017A	UMW-125-WG-20210505	05/05/2021 10:55	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 11:23	05/11/2021 0:48
21050403-017B	UMW-125-WG-20210505	05/05/2021 10:55	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:52
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/13/2021 21:54
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:05
21050403-017C	UMW-125-WG-20210505	05/05/2021 10:55	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:51
21050403-017D	UMW-125-WG-20210505	05/05/2021 10:55	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 0:17
21050403-018A	UMW-126-WG-20210505	05/05/2021 13:35	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 12:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 23:28
21050403-018B	UMW-126-WG-20210505	05/05/2021 13:35	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 21:56
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:07
21050403-018C	UMW-126-WG-20210505	05/05/2021 13:35	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 17:55
21050403-018D	UMW-126-WG-20210505	05/05/2021 13:35	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 0:43
21050403-019A	UMW-127-WG-20210505	05/05/2021 13:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 13:59
21050403-019B	UMW-127-WG-20210505	05/05/2021 13:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:00
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/13/2021 21:57
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:09
21050403-019C	UMW-127-WG-20210505	05/05/2021 13:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/10/2021 18:00	05/11/2021 18:00
21050403-019D	UMW-127-WG-20210505	05/05/2021 13:15	05/06/2021 13:05		

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 1:08
21050403-020A	UMW-300-WG-20210504	05/04/2021 9:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 14:37
21050403-020B	UMW-300-WG-20210504	05/04/2021 9:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:03
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:12
21050403-020C	UMW-300-WG-20210504	05/04/2021 9:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 9:58
21050403-020D	UMW-300-WG-20210504	05/04/2021 9:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 1:34
21050403-021A	UMW-301R-WG-20210505	05/05/2021 14:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 15:15
21050403-021B	UMW-301R-WG-20210505	05/05/2021 14:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:07
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:14
21050403-021C	UMW-301R-WG-20210505	05/05/2021 14:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 11:41
21050403-021D	UMW-301R-WG-20210505	05/05/2021 14:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 2:00
21050403-022A	UMW-302-WG-20210505	05/05/2021 17:15	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 12:05
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/12/2021 0:06
21050403-022B	UMW-302-WG-20210505	05/05/2021 17:15	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:26
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:16
21050403-022C	UMW-302-WG-20210505	05/05/2021 17:15	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 16:49
21050403-022D	UMW-302-WG-20210505	05/05/2021 17:15	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 2:25
21050403-023A	UMW-303-WG-20210504	05/04/2021 14:55	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 15:53
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/12/2021 0:43
21050403-023B	UMW-303-WG-20210504	05/04/2021 14:55	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:29
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:18

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21050403-023C	UMW-303-WG-20210504	05/04/2021 14:55	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 11:50
21050403-023D	UMW-303-WG-20210504	05/04/2021 14:55	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 2:51
21050403-024A	UMW-304R-WG-20210505	05/05/2021 11:50	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 16:31
21050403-024B	UMW-304R-WG-20210505	05/05/2021 11:50	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:37
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:21
21050403-024C	UMW-304R-WG-20210505	05/05/2021 11:50	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:16
21050403-024D	UMW-304R-WG-20210505	05/05/2021 11:50	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 3:16
21050403-025A	UMW-305-WG-20210505	05/05/2021 9:40	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 17:09
21050403-025B	UMW-305-WG-20210505	05/05/2021 9:40	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:13	05/12/2021 22:41
	SW-846 7470A (Total)			05/11/2021 17:19	05/12/2021 13:23
21050403-025C	UMW-305-WG-20210505	05/05/2021 9:40	05/06/2021 13:05		
	SW-846 9012A (Total)			05/12/2021 17:30	05/13/2021 15:32
21050403-025D	UMW-305-WG-20210505	05/05/2021 9:40	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 3:42
21050403-026A	UMW-306-WG-20210505	05/05/2021 9:10	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 14:13
21050403-026B	UMW-306-WG-20210505	05/05/2021 9:10	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:24
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 10:42
21050403-026C	UMW-306-WG-20210505	05/05/2021 9:10	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 10:15
21050403-026D	UMW-306-WG-20210505	05/05/2021 9:10	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/10/2021 16:13
21050403-027A	UMW-307-WG-20210505	05/05/2021 8:30	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 19:02
21050403-027B	UMW-307-WG-20210505	05/05/2021 8:30	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:29

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 10:53
21050403-027C	UMW-307-WG-20210505	05/05/2021 8:30	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:21
21050403-027D	UMW-307-WG-20210505	05/05/2021 8:30	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 4:59
21050403-028A	UMW-308-WG-20210505	05/05/2021 16:10	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 19:40
21050403-028B	UMW-308-WG-20210505	05/05/2021 16:10	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:30
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 10:56
21050403-028C	UMW-308-WG-20210505	05/05/2021 16:10	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:25
21050403-028D	UMW-308-WG-20210505	05/05/2021 16:10	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 5:25
21050403-029A	DUP 001-WG-20210506	05/06/2021 0:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/11/2021 22:50
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/10/2021 14:14	05/12/2021 1:21
21050403-029B	DUP 001-WG-20210506	05/06/2021 0:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:32
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 10:58
21050403-029C	DUP 001-WG-20210506	05/06/2021 0:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:33
21050403-029D	DUP 001-WG-20210506	05/06/2021 0:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 5:50
21050403-030A	DUP 002-WG-20200505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 13:35
21050403-030B	DUP 002-WG-20200505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:40
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 11:05
21050403-030C	DUP 002-WG-20200505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:38
21050403-030D	DUP 002-WG-20200505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/08/2021 6:16
21050403-031A	DUP 003-WG-20210505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 16:07

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 17:23
21050403-031B	DUP 003-WG-20210505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:42
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 11:08
21050403-031C	DUP 003-WG-20210505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 16:53
21050403-031D	DUP 003-WG-20210505	05/05/2021 0:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/11/2021 15:26
21050403-032A	EB-01-WQ-20210503	05/03/2021 13:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/07/2021 13:58	05/10/2021 16:34
21050403-032B	EB-01-WQ-20210503	05/03/2021 13:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:44
	SW-846 7470A (Total)			05/10/2021 22:01	05/11/2021 10:47
21050403-032C	EB-01-WQ-20210503	05/03/2021 13:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:51
21050403-032D	EB-01-WQ-20210503	05/03/2021 13:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 9:20
21050403-033A	TB-01-WQ-20210503	05/06/2021 13:05	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 9:46
21050403-034A	EB-02-WQ-20210505	05/05/2021 7:00	05/06/2021 13:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 16:45
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			05/11/2021 17:46	05/12/2021 19:55
21050403-034B	EB-02-WQ-20210505	05/05/2021 7:00	05/06/2021 13:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			05/11/2021 9:16	05/13/2021 22:45
	SW-846 7470A (Total)			05/12/2021 15:03	05/13/2021 11:10
21050403-034C	EB-02-WQ-20210505	05/05/2021 7:00	05/06/2021 13:05		
	SW-846 9012A (Total)			05/11/2021 19:00	05/12/2021 12:55
21050403-034D	EB-02-WQ-20210505	05/05/2021 7:00	05/06/2021 13:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				05/07/2021 10:11

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

SW-846 9012A (TOTAL)

Batch 176756 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210510 TCN3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0023	0	0	-100	100	05/11/2021

Batch 176756 **SampType:** LCS Units **mg/L**
SampID: LCS 210510 TCN3

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	87.8	85	115	05/11/2021

Batch 176814 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210511 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	05/12/2021

Batch 176814 **SampType:** LCS Units **mg/L**
SampID: LCS 210511 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	98.2	90	110	05/12/2021

Batch 176814 **SampType:** MS Units **mg/L**
SampID: 21050403-020CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.5	75	125	05/12/2021

Batch 176814 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-020CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.7	0.02563	1.75	05/12/2021

Batch 176814 **SampType:** MS Units **mg/L**
SampID: 21050403-026CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.033**	0.0250	0.007750	99.7	75	125	05/12/2021

Batch 176814 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-026CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.029**	0.0250	0.007750	86.1	0.03267	11.00	05/12/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

SW-846 9012A (TOTAL)

Batch 176815 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210511 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	05/12/2021

Batch 176815 **SampType:** LCS Units **mg/L**
SampID: LCS 210511 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	100.2	90	110	05/12/2021

Batch 176815 **SampType:** MS Units **mg/L**
SampID: 21050403-009CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	98.0	75	125	05/12/2021

Batch 176815 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-009CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	95.7	0.02450	2.42	05/12/2021

Batch 176859 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210512 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	05/13/2021

Batch 176859 **SampType:** LCS Units **mg/L**
SampID: LCS 210512 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	100.6	85	115	05/13/2021

Batch 176859 **SampType:** MS Units **mg/L**
SampID: 21050403-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.034**	0.0250	0.009810	95.6	75	125	05/13/2021

Batch 176859 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.034**	0.0250	0.009810	98.1	0.03371	1.82	05/13/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176772 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176772

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/13/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/13/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/13/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/13/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/13/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/13/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/13/2021

Batch 176772 **SampType:** LCS Units **mg/L**

SampID: LCS-176772

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.543**	0.5000	0	108.6	85	115	05/13/2021
Barium		0.0025		**2.13**	2.000	0	106.6	85	115	05/13/2021
Cadmium		0.0020		**0.0511**	0.0500	0	102.2	85	115	05/13/2021
Chromium		0.0050		**0.204**	0.2000	0	102.2	85	115	05/13/2021
Lead		0.0150		**0.507**	0.5000	0	101.4	85	115	05/13/2021
Selenium		0.0400		**0.523**	0.5000	0	104.5	85	115	05/13/2021
Silver		0.0070		**0.0512**	0.0500	0	102.4	85	115	05/13/2021

Batch 176772 **SampType:** MS Units **mg/L**

SampID: 21050403-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.577**	0.5000	0	115.4	75	125	05/14/2021
Barium		0.0025		**2.27**	2.000	0.05640	110.6	75	125	05/14/2021
Cadmium		0.0020		**0.0522**	0.0500	0	104.4	75	125	05/14/2021
Chromium		0.0050		**0.208**	0.2000	0	104.2	75	125	05/14/2021
Lead		0.0150		**0.522**	0.5000	0	104.4	75	125	05/14/2021
Selenium		0.0400		**0.536**	0.5000	0	107.2	75	125	05/14/2021
Silver		0.0070		**0.0540**	0.0500	0	108.0	75	125	05/14/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176772 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21050403-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.572**	0.5000	0	114.5	0.5772	0.85	05/14/2021
Barium		0.0025		**2.23**	2.000	0.05640	108.5	2.269	1.91	05/14/2021
Cadmium		0.0020		**0.0508**	0.0500	0	101.6	0.05220	2.72	05/14/2021
Chromium		0.0050		**0.204**	0.2000	0	102.0	0.2083	2.04	05/14/2021
Lead		0.0150		**0.510**	0.5000	0	102.0	0.5221	2.33	05/14/2021
Selenium		0.0400		**0.527**	0.5000	0	105.4	0.5362	1.75	05/14/2021
Silver		0.0070		**0.0529**	0.0500	0	105.8	0.05400	2.06	05/14/2021

Batch 176791 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176791

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/12/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/12/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/12/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/12/2021
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	05/12/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/12/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/12/2021

Batch 176791 **SampType:** LCS Units **mg/L**

SampID: LCS-176791

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.537**	0.5000	0	107.4	85	115	05/12/2021
Barium		0.0025		**2.08**	2.000	0	103.9	85	115	05/12/2021
Cadmium		0.0020		**0.0496**	0.0500	0	99.2	85	115	05/12/2021
Chromium		0.0050		**0.200**	0.2000	0	99.8	85	115	05/12/2021
Lead		0.0150		**0.498**	0.5000	0	99.7	85	115	05/12/2021
Selenium		0.0400		**0.499**	0.5000	0	99.8	85	115	05/12/2021
Silver		0.0070		**0.0500**	0.0500	0	100.0	85	115	05/12/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176791 **SampType:** MS Units **mg/L**

SampID: 21050403-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.561**	0.5000	0	112.2	75	125	05/12/2021
Barium		0.0025		**2.24**	2.000	0.08650	107.5	75	125	05/12/2021
Cadmium		0.0020		**0.0505**	0.0500	0	101.0	75	125	05/12/2021
Chromium		0.0050		**0.248**	0.2000	0.04240	103.0	75	125	05/12/2021
Lead		0.0150		**0.506**	0.5000	0	101.2	75	125	05/12/2021
Selenium		0.0400		**0.511**	0.5000	0	102.3	75	125	05/12/2021
Silver		0.0070		**0.0528**	0.0500	0	105.6	75	125	05/12/2021

Batch 176791 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21050403-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.564**	0.5000	0	112.8	0.5610	0.50	05/12/2021
Barium		0.0025		**2.27**	2.000	0.08650	109.0	2.237	1.33	05/12/2021
Cadmium		0.0020		**0.0512**	0.0500	0	102.4	0.05050	1.38	05/12/2021
Chromium		0.0050		**0.256**	0.2000	0.04240	106.8	0.2485	3.01	05/12/2021
Lead		0.0150		**0.513**	0.5000	0	102.7	0.5058	1.47	05/12/2021
Selenium		0.0400		**0.523**	0.5000	0	104.7	0.5113	2.34	05/12/2021
Silver		0.0070		**0.0536**	0.0500	0	107.2	0.05280	1.50	05/12/2021

Batch 176791 **SampType:** MS Units **mg/L**

SampID: 21050403-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.565**	0.5000	0	113.0	75	125	05/12/2021
Barium		0.0025		**2.25**	2.000	0.1021	107.5	75	125	05/12/2021
Cadmium		0.0020		**0.0510**	0.0500	0	102.0	75	125	05/12/2021
Chromium		0.0050		**0.205**	0.2000	0	102.4	75	125	05/12/2021
Lead		0.0150		**0.511**	0.5000	0	102.3	75	125	05/12/2021
Selenium		0.0400		**0.529**	0.5000	0	105.8	75	125	05/12/2021
Silver		0.0070		**0.0528**	0.0500	0	105.6	75	125	05/12/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176791 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21050403-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.560**	0.5000	0	111.9	0.5649	0.92	05/12/2021
Barium		0.0025		**2.25**	2.000	0.1021	107.6	2.253	0.04	05/12/2021
Cadmium		0.0020		**0.0509**	0.0500	0	101.8	0.05100	0.20	05/12/2021
Chromium		0.0050		**0.204**	0.2000	0	102.2	0.2048	0.24	05/12/2021
Lead		0.0150		**0.513**	0.5000	0	102.6	0.5114	0.33	05/12/2021
Selenium		0.0400		**0.526**	0.5000	0	105.2	0.5289	0.59	05/12/2021
Silver		0.0070		**0.0529**	0.0500	0	105.8	0.05280	0.19	05/12/2021

Batch 176792 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176792

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/12/2021
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	05/13/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/13/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	05/12/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/12/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	05/13/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/13/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	05/12/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/13/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	05/12/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/12/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	05/13/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/12/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	05/13/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176792 **SampType:** LCS Units **mg/L**

SampID: LCS-176792

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.564**	0.5000	0	112.7	85	115	05/12/2021
Arsenic		0.0250		**0.551**	0.5000	0	110.3	85	115	05/13/2021
Barium		0.0025		**2.10**	2.000	0	105.2	85	115	05/13/2021
Barium		0.0025		**2.17**	2.000	0	108.5	85	115	05/12/2021
Cadmium		0.0020		**0.0520**	0.0500	0	104.0	85	115	05/12/2021
Cadmium		0.0020		**0.0494**	0.0500	0	98.8	85	115	05/13/2021
Chromium		0.0050		**0.210**	0.2000	0	105.0	85	115	05/12/2021
Chromium		0.0050		**0.202**	0.2000	0	101.2	85	115	05/13/2021
Lead		0.0150		**0.512**	0.5000	0	102.3	85	115	05/13/2021
Lead		0.0150		**0.531**	0.5000	0	106.2	85	115	05/12/2021
Selenium		0.0400		**0.524**	0.5000	0	104.9	85	115	05/13/2021
Selenium		0.0400		**0.533**	0.5000	0	106.5	85	115	05/12/2021
Silver		0.0070		**0.0513**	0.0500	0	102.6	85	115	05/13/2021
Silver		0.0070		**0.0530**	0.0500	0	106.0	85	115	05/12/2021

Batch 176792 **SampType:** MS Units **mg/L**

SampID: 21050403-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.529**	0.5000	0	105.8	75	125	05/13/2021
Barium		0.0025		**2.04**	2.000	0.1066	96.6	75	125	05/13/2021
Cadmium		0.0020		**0.0458**	0.0500	0	91.6	75	125	05/13/2021
Chromium		0.0050		**0.190**	0.2000	0	95.1	75	125	05/13/2021
Lead		0.0150		**0.475**	0.5000	0	95.0	75	125	05/13/2021
Selenium		0.0400		**0.492**	0.5000	0	98.4	75	125	05/13/2021
Silver		0.0070		**0.0491**	0.0500	0	98.2	75	125	05/13/2021

Batch 176792 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 21050403-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.534**	0.5000	0	106.8	0.5290	0.96	05/13/2021
Barium		0.0025		**2.06**	2.000	0.1066	97.5	2.038	0.92	05/13/2021
Cadmium		0.0020		**0.0455**	0.0500	0	91.0	0.04580	0.66	05/13/2021
Chromium		0.0050		**0.191**	0.2000	0	95.6	0.1902	0.52	05/13/2021
Lead		0.0150		**0.479**	0.5000	0	95.8	0.4748	0.86	05/13/2021
Selenium		0.0400		**0.489**	0.5000	0	97.8	0.4922	0.65	05/13/2021
Silver		0.0070		**0.0491**	0.0500	0	98.2	0.04910	0.00	05/13/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

SW-846 7470A (TOTAL)

Batch 176784 **SampType:** MBLK Units **mg/L**
SampID: MBLK-176784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/11/2021

Batch 176784 **SampType:** LCS Units **mg/L**
SampID: LCS-176784

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00474**	0.0050	0	94.8	85	115	05/11/2021

Batch 176784 **SampType:** MS Units **mg/L**
SampID: 21050403-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00474**	0.0050	0	94.7	75	125	05/11/2021

Batch 176784 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00479**	0.0050	0	95.9	0.004736	1.22	05/11/2021

Batch 176820 **SampType:** MS Units **mg/L**
SampID: 21050403-002BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00505**	0.0050	0	101.0	75	125	05/12/2021

Batch 176820 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-002BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00492**	0.0050	0	98.3	0.005048	2.65	05/12/2021

Batch 176821 **SampType:** MBLK Units **mg/L**
SampID: MBLK-176821

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/12/2021

Batch 176821 **SampType:** LCS Units **mg/L**
SampID: LCS-176821

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00486**	0.0050	0	97.2	85	115	05/12/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

SW-846 7470A (TOTAL)

Batch 176821 **SampType:** MS Units **mg/L**
SampID: 21050403-014BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00493**	0.0050	0	98.6	75	125	05/12/2021

Batch 176821 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-014BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00506**	0.0050	0	101.1	0.004928	2.56	05/12/2021

Batch 176821 **SampType:** MS Units **mg/L**
SampID: 21050403-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00492**	0.0050	0	98.3	75	125	05/12/2021

Batch 176821 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00500**	0.0050	0	99.9	0.004916	1.59	05/12/2021

Batch 176861 **SampType:** MBLK Units **mg/L**
SampID: MBLK-176861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	05/13/2021

Batch 176861 **SampType:** LCS Units **mg/L**
SampID: LCS-176861

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00474**	0.0050	0	94.7	85	115	05/13/2021

Batch 176861 **SampType:** MS Units **mg/L**
SampID: 21050403-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00490**	0.0050	0	98.1	75	125	05/13/2021

Batch 176861 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 21050403-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00505**	0.0050	0	100.9	0.004903	2.88	05/13/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

SW-846 7470A (TOTAL)

Batch 176861 **SampType:** MS Units **mg/L**

SampID: 21050403-029BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00500**	0.0050	0	100.0	75	125	05/13/2021

Batch 176861 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 21050403-029BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00501**	0.0050	0	100.2	0.005000	0.17	05/13/2021

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

Batch 176703 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/10/2021
Acenaphthylene		0.000100		**ND**						05/10/2021
Anthracene		0.000300		**ND**						05/10/2021
Benzo(a)anthracene		0.000100		**ND**						05/10/2021
Benzo(a)pyrene		0.000200		**ND**						05/10/2021
Benzo(b)fluoranthene		0.000100		**ND**						05/10/2021
Benzo(g,h,i)perylene		0.000200		**ND**						05/10/2021
Benzo(k)fluoranthene		0.000100		**ND**						05/10/2021
Chrysene		0.000100		**ND**						05/10/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						05/10/2021
Fluoranthene		0.000300		**ND**						05/10/2021
Fluorene		0.000200		**ND**						05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/10/2021
Naphthalene		0.000400		**ND**						05/10/2021
Phenanthrene		0.000600		**ND**						05/10/2021
Pyrene		0.000200		**ND**						05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000692**	0.0010		69.2	48.6	99	05/10/2021
Surr: Nitrobenzene-d5	*			**0.000812**	0.0010		81.2	54.3	107	05/10/2021
Surr: p-Terphenyl-d14	*			**0.000987**	0.0010		98.7	64	128	05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176703 **SampType:** LCS Units **mg/L**

SampID: LCS-176703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00156**	0.0020	0	78.0	54.7	110	05/10/2021
Acenaphthylene		0.000100		**0.00165**	0.0020	0	82.5	56.2	116	05/10/2021
Anthracene		0.000300		**0.00174**	0.0020	0	86.9	55.3	113	05/10/2021
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.7	54.6	112	05/10/2021
Benzo(a)pyrene		0.000200		**0.00170**	0.0020	0	84.8	57.2	118	05/10/2021
Benzo(b)fluoranthene		0.000100		**0.00169**	0.0020	0	84.3	50.3	119	05/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00180**	0.0020	0	89.9	59.3	122	05/10/2021
Benzo(k)fluoranthene		0.000100	B	**0.00185**	0.0020	0	92.5	58.8	114	05/10/2021
Chrysene		0.000100		**0.00167**	0.0020	0	83.3	58.9	113	05/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00181**	0.0020	0	90.6	50	134	05/10/2021
Fluoranthene		0.000300		**0.00189**	0.0020	0	94.4	61.2	114	05/10/2021
Fluorene		0.000200		**0.00164**	0.0020	0	81.9	61.6	110	05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00183**	0.0020	0	91.3	54.3	128	05/10/2021
Naphthalene		0.000400		**0.00143**	0.0020	0	71.3	51.7	105	05/10/2021
Phenanthrene		0.000600		**0.00179**	0.0020	0	89.5	60.9	121	05/10/2021
Pyrene		0.000200		**0.00193**	0.0020	0	96.6	59.1	114	05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000759**	0.0010		75.9	48.6	99	05/10/2021
Surr: Nitrobenzene-d5	*			**0.000836**	0.0010		83.6	54.3	107	05/10/2021
Surr: p-Terphenyl-d14	*			**0.00110**	0.0010		110.1	64	128	05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176703 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-176703

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00193**	0.0020	0	96.6	0.001560	21.34	05/10/2021
Acenaphthylene		0.000100		**0.00194**	0.0020	0	97.0	0.001650	16.11	05/10/2021
Anthracene		0.000300		**0.00175**	0.0020	0	87.6	0.001738	0.79	05/10/2021
Benzo(a)anthracene		0.000100		**0.00173**	0.0020	0	86.7	0.001694	2.42	05/10/2021
Benzo(a)pyrene		0.000200		**0.00173**	0.0020	0	86.4	0.001696	1.89	05/10/2021
Benzo(b)fluoranthene		0.000100		**0.00162**	0.0020	0	81.2	0.001685	3.67	05/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00184**	0.0020	0	91.8	0.001798	2.05	05/10/2021
Benzo(k)fluoranthene		0.000100	B	**0.00171**	0.0020	0	85.6	0.001850	7.76	05/10/2021
Chrysene		0.000100		**0.00178**	0.0020	0	89.2	0.001667	6.78	05/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00182**	0.0020	0	90.8	0.001811	0.23	05/10/2021
Fluoranthene		0.000300		**0.00191**	0.0020	0	95.3	0.001887	1.02	05/10/2021
Fluorene		0.000200		**0.00192**	0.0020	0	95.9	0.001638	15.74	05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00178**	0.0020	0	89.0	0.001825	2.54	05/10/2021
Naphthalene		0.000400		**0.00163**	0.0020	0	81.3	0.001425	13.22	05/10/2021
Phenanthrene		0.000600		**0.00171**	0.0020	0	85.4	0.001790	4.68	05/10/2021
Pyrene		0.000200		**0.00185**	0.0020	0	92.7	0.001932	4.11	05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000816**	0.0010		81.6			05/10/2021
Surr: Nitrobenzene-d5	*			**0.000854**	0.0010		85.4			05/10/2021
Surr: p-Terphenyl-d14	*			**0.00114**	0.0010		114.2			05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176743 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176743

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/10/2021
Acenaphthylene		0.000100		**ND**						05/10/2021
Anthracene		0.000300		**ND**						05/10/2021
Benzo(a)anthracene		0.000100		**ND**						05/10/2021
Benzo(a)pyrene		0.000200		**ND**						05/10/2021
Benzo(b)fluoranthene		0.000100		**ND**						05/10/2021
Benzo(g,h,i)perylene		0.000200		**ND**						05/10/2021
Benzo(k)fluoranthene		0.000100		**ND**						05/10/2021
Chrysene		0.000100		**ND**						05/10/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						05/10/2021
Fluoranthene		0.000300		**ND**						05/10/2021
Fluorene		0.000200		**ND**						05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/10/2021
Naphthalene		0.000400		**ND**						05/10/2021
Phenanthrene		0.000600		**ND**						05/10/2021
Pyrene		0.000200		**ND**						05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000701**	0.0010		70.1	48.6	99	05/10/2021
Surr: Nitrobenzene-d5	*			**0.000744**	0.0010		74.4	54.3	107	05/10/2021
Surr: p-Terphenyl-d14	*			**0.000948**	0.0010		94.8	64	128	05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176743 **SampType:** LCS Units **mg/L**

SampID: LCS-176743

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00179**	0.0020	0	89.5	54.7	110	05/10/2021
Acenaphthylene		0.000100		**0.00182**	0.0020	0	91.0	56.2	116	05/10/2021
Anthracene		0.000300		**0.00166**	0.0020	0	83.0	55.3	113	05/10/2021
Benzo(a)anthracene		0.000100		**0.00170**	0.0020	0	85.2	54.6	112	05/10/2021
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.2	57.2	118	05/10/2021
Benzo(b)fluoranthene		0.000100		**0.00165**	0.0020	0	82.5	50.3	119	05/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00174**	0.0020	0	87.2	59.3	122	05/10/2021
Benzo(k)fluoranthene		0.000100		**0.00167**	0.0020	0	83.6	58.8	114	05/10/2021
Chrysene		0.000100		**0.00175**	0.0020	0	87.4	58.9	113	05/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00182**	0.0020	0	91.2	50	134	05/10/2021
Fluoranthene		0.000300		**0.00181**	0.0020	0	90.4	61.2	114	05/10/2021
Fluorene		0.000200		**0.00181**	0.0020	0	90.5	61.6	110	05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00181**	0.0020	0	90.6	54.3	128	05/10/2021
Naphthalene		0.000400		**0.00167**	0.0020	0	83.3	51.7	105	05/10/2021
Phenanthrene		0.000600		**0.00184**	0.0020	0	91.8	60.9	121	05/10/2021
Pyrene		0.000200		**0.00185**	0.0020	0	92.6	59.1	114	05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000692**	0.0010		69.2	48.6	99	05/10/2021
Surr: Nitrobenzene-d5	*			**0.000751**	0.0010		75.1	54.3	107	05/10/2021
Surr: p-Terphenyl-d14	*			**0.000803**	0.0010		80.3	64	128	05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176743 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-176743

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00166**	0.0020	0	82.9	0.001790	7.67	05/10/2021
Acenaphthylene		0.000100		**0.00164**	0.0020	0	81.9	0.001820	10.55	05/10/2021
Anthracene		0.000300		**0.00169**	0.0020	0	84.4	0.001660	1.60	05/10/2021
Benzo(a)anthracene		0.000100		**0.00165**	0.0020	0	82.6	0.001703	3.02	05/10/2021
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.0	0.001684	0.24	05/10/2021
Benzo(b)fluoranthene		0.000100		**0.00159**	0.0020	0	79.6	0.001649	3.52	05/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00176**	0.0020	0	88.1	0.001744	0.96	05/10/2021
Benzo(k)fluoranthene		0.000100		**0.00172**	0.0020	0	86.0	0.001672	2.82	05/10/2021
Chrysene		0.000100		**0.00161**	0.0020	0	80.5	0.001749	8.25	05/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00178**	0.0020	0	88.9	0.001825	2.60	05/10/2021
Fluoranthene		0.000300		**0.00184**	0.0020	0	91.8	0.001808	1.53	05/10/2021
Fluorene		0.000200		**0.00171**	0.0020	0	85.3	0.001810	5.91	05/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00179**	0.0020	0	89.5	0.001811	1.21	05/10/2021
Naphthalene		0.000400		**0.00154**	0.0020	0	76.8	0.001666	8.12	05/10/2021
Phenanthrene		0.000600		**0.00185**	0.0020	0	92.3	0.001836	0.50	05/10/2021
Pyrene		0.000200		**0.00178**	0.0020	0	88.9	0.001852	4.03	05/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000768**	0.0010		76.8			05/10/2021
Surr: Nitrobenzene-d5	*			**0.000794**	0.0010		79.4			05/10/2021
Surr: p-Terphenyl-d14	*			**0.000941**	0.0010		94.1			05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176743 **SampType:** MS Units **mg/L**

SampID: 21050403-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00152**	0.0020	0	75.9	28.3	133	05/11/2021
Acenaphthylene		0.000100		**0.00149**	0.0020	0	74.5	5	176	05/11/2021
Anthracene		0.000300		**0.00145**	0.0020	0	72.3	34.6	131	05/11/2021
Benzo(a)anthracene		0.000100		**0.00151**	0.0020	0	75.5	40.3	132	05/11/2021
Benzo(a)pyrene		0.000200		**0.00144**	0.0020	0	71.9	40.8	132	05/11/2021
Benzo(b)fluoranthene		0.000100		**0.00149**	0.0020	0	74.3	41.9	132	05/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00150**	0.0020	0	74.8	46	132	05/11/2021
Benzo(k)fluoranthene		0.000100		**0.00157**	0.0020	0	78.3	49.4	126	05/11/2021
Chrysene		0.000100		**0.00150**	0.0020	0	74.9	46.1	129	05/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00150**	0.0020	0	75.0	42.1	146	05/11/2021
Fluoranthene		0.000300		**0.00164**	0.0020	0	81.8	23.9	164	05/11/2021
Fluorene		0.000200		**0.00153**	0.0020	0	76.6	24.3	148	05/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00147**	0.0020	0	73.7	26.6	157	05/11/2021
Naphthalene		0.000400		**0.00151**	0.0020	0	75.3	24.2	132	05/11/2021
Phenanthrene		0.000600		**0.00159**	0.0020	0	79.7	36.6	139	05/11/2021
Pyrene		0.000200		**0.00165**	0.0020	0	82.6	14.6	169	05/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000730**	0.0010		73.0	21.4	142	05/11/2021
Surr: Nitrobenzene-d5	*			**0.000769**	0.0010		76.9	15	163	05/11/2021
Surr: p-Terphenyl-d14	*			**0.000918**	0.0010		91.8	10	173	05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176743 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 21050403-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00165**	0.0020	0	82.6	0.001519	8.37	05/11/2021
Acenaphthylene		0.000100		**0.00160**	0.0020	0	80.2	0.001491	7.25	05/11/2021
Anthracene		0.000300		**0.00163**	0.0020	0	81.4	0.001446	11.89	05/11/2021
Benzo(a)anthracene		0.000100		**0.00150**	0.0020	0	75.2	0.001509	0.41	05/11/2021
Benzo(a)pyrene		0.000200		**0.00134**	0.0020	0	67.0	0.001439	7.15	05/11/2021
Benzo(b)fluoranthene		0.000100		**0.00136**	0.0020	0	67.9	0.001486	8.98	05/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00151**	0.0020	0	75.6	0.001495	1.16	05/11/2021
Benzo(k)fluoranthene		0.000100		**0.00155**	0.0020	0	77.4	0.001565	1.14	05/11/2021
Chrysene		0.000100		**0.00153**	0.0020	0	76.5	0.001498	2.14	05/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00139**	0.0020	0	69.7	0.001500	7.35	05/11/2021
Fluoranthene		0.000300		**0.00164**	0.0020	0	82.1	0.001637	0.36	05/11/2021
Fluorene		0.000200		**0.00173**	0.0020	0	86.4	0.001531	12.05	05/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00141**	0.0020	0	70.7	0.001473	4.08	05/11/2021
Naphthalene		0.000400		**0.00154**	0.0020	0	77.1	0.001506	2.38	05/11/2021
Phenanthrene		0.000600		**0.00234**	0.0020	0	116.8	0.001595	37.73	05/11/2021
Pyrene		0.000200		**0.00173**	0.0020	0	86.7	0.001651	4.88	05/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000720**	0.0010		72.0			05/11/2021
Surr: Nitrobenzene-d5	*			**0.000808**	0.0010		80.8			05/11/2021
Surr: p-Terphenyl-d14	*			**0.000886**	0.0010		88.6			05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176774 **SampType:** MBLK Units **mg/L**

SampID: MBLK-176774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						05/11/2021
Acenaphthylene		0.000100		**ND**						05/11/2021
Anthracene		0.000300		**ND**						05/11/2021
Benzo(a)anthracene		0.000100		**ND**						05/11/2021
Benzo(a)pyrene		0.000200		**ND**						05/11/2021
Benzo(b)fluoranthene		0.000100		**ND**						05/11/2021
Benzo(g,h,i)perylene		0.000200		**ND**						05/11/2021
Benzo(k)fluoranthene		0.000100		**ND**						05/11/2021
Chrysene		0.000100		**ND**						05/11/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						05/11/2021
Fluoranthene		0.000300		**ND**						05/11/2021
Fluorene		0.000200		**ND**						05/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						05/11/2021
Naphthalene		0.000400		**ND**						05/11/2021
Phenanthrene		0.000600		**ND**						05/11/2021
Pyrene		0.000200		**ND**						05/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000707**	0.0010		70.7	48.6	99	05/11/2021
Surr: Nitrobenzene-d5	*			**0.000812**	0.0010		81.2	54.3	107	05/11/2021
Surr: p-Terphenyl-d14	*			**0.000951**	0.0010		95.1	64	128	05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176774 **SampType:** LCS Units **mg/L**

SampID: LCS-176774

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00166**	0.0020	0	82.9	54.7	110	05/11/2021
Acenaphthylene		0.000100		**0.00158**	0.0020	0	78.9	56.2	116	05/11/2021
Anthracene		0.000300		**0.00170**	0.0020	0	85.0	55.3	113	05/11/2021
Benzo(a)anthracene		0.000100		**0.00159**	0.0020	0	79.7	54.6	112	05/11/2021
Benzo(a)pyrene		0.000200		**0.00151**	0.0020	0	75.5	57.2	118	05/11/2021
Benzo(b)fluoranthene		0.000100		**0.00155**	0.0020	0	77.3	50.3	119	05/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00163**	0.0020	0	81.5	59.3	122	05/11/2021
Benzo(k)fluoranthene		0.000100		**0.00167**	0.0020	0	83.5	58.8	114	05/11/2021
Chrysene		0.000100		**0.00157**	0.0020	0	78.5	58.9	113	05/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00161**	0.0020	0	80.6	50	134	05/11/2021
Fluoranthene		0.000300		**0.00172**	0.0020	0	85.9	61.2	114	05/11/2021
Fluorene		0.000200		**0.00163**	0.0020	0	81.6	61.6	110	05/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00158**	0.0020	0	79.0	54.3	128	05/11/2021
Naphthalene		0.000400		**0.00158**	0.0020	0	79.0	51.7	105	05/11/2021
Phenanthrene		0.000600		**0.00168**	0.0020	0	83.8	60.9	121	05/11/2021
Pyrene		0.000200		**0.00168**	0.0020	0	83.8	59.1	114	05/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000793**	0.0010		79.3	48.6	99	05/11/2021
Surr: Nitrobenzene-d5	*			**0.000844**	0.0010		84.4	54.3	107	05/11/2021
Surr: p-Terphenyl-d14	*			**0.000926**	0.0010		92.6	64	128	05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176774 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-176774-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00178**	0.0020	0	89.0	0.001657	7.11	05/11/2021
Acenaphthylene		0.000100		**0.00187**	0.0020	0	93.7	0.001577	17.20	05/11/2021
Anthracene		0.000300		**0.00185**	0.0020	0	92.6	0.001700	8.58	05/11/2021
Benzo(a)anthracene		0.000100		**0.00178**	0.0020	0	88.8	0.001593	10.90	05/11/2021
Benzo(a)pyrene		0.000200		**0.00177**	0.0020	0	88.4	0.001510	15.72	05/11/2021
Benzo(b)fluoranthene		0.000100		**0.00178**	0.0020	0	88.9	0.001545	13.95	05/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00189**	0.0020	0	94.4	0.001630	14.64	05/11/2021
Benzo(k)fluoranthene		0.000100		**0.00192**	0.0020	0	95.8	0.001669	13.76	05/11/2021
Chrysene		0.000100		**0.00186**	0.0020	0	93.1	0.001571	16.92	05/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00178**	0.0020	0	88.8	0.001613	9.62	05/11/2021
Fluoranthene		0.000300		**0.00208**	0.0020	0	104.2	0.001718	19.24	05/11/2021
Fluorene		0.000200		**0.00203**	0.0020	0	101.7	0.001633	21.83	05/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00179**	0.0020	0	89.5	0.001581	12.42	05/11/2021
Naphthalene		0.000400		**0.00176**	0.0020	0	87.8	0.001580	10.50	05/11/2021
Phenanthrene		0.000600		**0.00194**	0.0020	0	97.1	0.001675	14.77	05/11/2021
Pyrene		0.000200		**0.00200**	0.0020	0	100.1	0.001677	17.70	05/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000821**	0.0010		82.1			05/11/2021
Surr: Nitrobenzene-d5	*			**0.000858**	0.0010		85.8			05/11/2021
Surr: p-Terphenyl-d14	*			**0.00117**	0.0010		117.0			05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176774 **SampType:** MS Units **mg/L**

SampID: 21050403-026AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00163**	0.0020	0.0001054	76.4	28.3	133	05/12/2021
Acenaphthylene		0.000100		**0.00160**	0.0020	0	79.8	5	176	05/12/2021
Anthracene		0.000300		**0.00169**	0.0020	0	84.4	34.6	131	05/12/2021
Benzo(a)anthracene		0.000100		**0.00163**	0.0020	0	81.4	40.3	132	05/12/2021
Benzo(a)pyrene		0.000200		**0.00155**	0.0020	0	77.5	40.8	132	05/12/2021
Benzo(b)fluoranthene		0.000100		**0.00159**	0.0020	0	79.7	41.9	132	05/12/2021
Benzo(g,h,i)perylene		0.000200		**0.00162**	0.0020	0	81.0	46	132	05/12/2021
Benzo(k)fluoranthene		0.000100		**0.00180**	0.0020	0	89.9	49.4	126	05/12/2021
Chrysene		0.000100		**0.00172**	0.0020	0	85.9	46.1	129	05/12/2021
Dibenzo(a,h)anthracene		0.000200		**0.00177**	0.0020	0	88.6	42.1	146	05/12/2021
Fluoranthene		0.000300		**0.00183**	0.0020	0	91.5	23.9	164	05/12/2021
Fluorene		0.000200		**0.00167**	0.0020	0	83.7	24.3	148	05/12/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00172**	0.0020	0	86.0	26.6	157	05/12/2021
Naphthalene		0.000400	S	**0.00143**	0.0020	0.001106	16.3	24.2	132	05/12/2021
Phenanthrene		0.000600		**0.00166**	0.0020	0	83.2	36.6	139	05/12/2021
Pyrene		0.000200		**0.00189**	0.0020	0	94.3	14.6	169	05/12/2021
Surr: 2-Fluorobiphenyl	*			**0.000801**	0.0010		80.1	21.4	142	05/12/2021
Surr: Nitrobenzene-d5	*			**0.000862**	0.0010		86.2	15	163	05/12/2021
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		105.6	10	173	05/12/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176774 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 21050403-026AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00163**	0.0020	0.0001054	76.1	0.001634	0.47	05/12/2021
Acenaphthylene		0.000100		**0.00153**	0.0020	0	76.6	0.001597	4.21	05/12/2021
Anthracene		0.000300		**0.00171**	0.0020	0	85.4	0.001689	1.15	05/12/2021
Benzo(a)anthracene		0.000100		**0.00168**	0.0020	0	84.2	0.001629	3.36	05/12/2021
Benzo(a)pyrene		0.000200		**0.00168**	0.0020	0	84.1	0.001550	8.11	05/12/2021
Benzo(b)fluoranthene		0.000100		**0.00167**	0.0020	0	83.7	0.001594	4.93	05/12/2021
Benzo(g,h,i)perylene		0.000200		**0.00175**	0.0020	0	87.4	0.001620	7.60	05/12/2021
Benzo(k)fluoranthene		0.000100		**0.00169**	0.0020	0	84.5	0.001797	6.21	05/12/2021
Chrysene		0.000100		**0.00178**	0.0020	0	88.8	0.001718	3.27	05/12/2021
Dibenzo(a,h)anthracene		0.000200		**0.00176**	0.0020	0	87.9	0.001771	0.80	05/12/2021
Fluoranthene		0.000300		**0.00182**	0.0020	0	90.9	0.001829	0.60	05/12/2021
Fluorene		0.000200		**0.00173**	0.0020	0	86.6	0.001674	3.42	05/12/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00181**	0.0020	0	90.4	0.001721	4.96	05/12/2021
Naphthalene		0.000400		**0.00166**	0.0020	0.001106	27.9	0.001431	15.05	05/12/2021
Phenanthrene		0.000600		**0.00178**	0.0020	0	88.9	0.001665	6.59	05/12/2021
Pyrene		0.000200		**0.00179**	0.0020	0	89.4	0.001886	5.37	05/12/2021
Surr: 2-Fluorobiphenyl	*			**0.000880**	0.0010		88.0			05/12/2021
Surr: Nitrobenzene-d5	*			**0.000950**	0.0010		95.0			05/12/2021
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.5			05/12/2021

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

Batch 176689 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AK210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						05/07/2021
Ethylbenzene	*	2.0		**ND**						05/07/2021
Toluene	*	2.0		**ND**						05/07/2021
Xylenes, Total	*	4.0		**ND**						05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**45.9**	50.00		91.7	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.9	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.0	80	120	05/07/2021
Surr: Toluene-d8	*			**49.8**	50.00		99.6	80	120	05/07/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176689 **SampType:** LCS Units µg/L

SampID: LCS-AK210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.9**	50.00	0	95.8	78.5	119	05/07/2021
Ethylbenzene	*	2.0		**52.3**	50.00	0	104.5	78.2	114	05/07/2021
Toluene	*	2.0		**50.8**	50.00	0	101.6	78.6	112	05/07/2021
Xylenes, Total	*	4.0		**156**	150.0	0	103.9	78.3	114	05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**46.2**	50.00		92.4	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.2	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.5	80	120	05/07/2021
Surr: Toluene-d8	*			**50.1**	50.00		100.2	80	120	05/07/2021

Batch 176689 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AK210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.5**	50.00	0	92.9	47.88	3.01	05/07/2021
Ethylbenzene	*	2.0		**50.6**	50.00	0	101.2	52.26	3.19	05/07/2021
Toluene	*	2.0		**49.2**	50.00	0	98.4	50.79	3.22	05/07/2021
Xylenes, Total	*	4.0		**151**	150.0	0	100.5	155.8	3.29	05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**46.0**	50.00		91.9			05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.3**	50.00		96.6			05/07/2021
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.7			05/07/2021
Surr: Toluene-d8	*			**49.8**	50.00		99.7			05/07/2021

Batch 176695 **SampType:** MBLK Units µg/L

SampID: MBLK-AE210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						05/07/2021
Ethylbenzene	*	2.0		**ND**						05/07/2021
Toluene	*	2.0		**ND**						05/07/2021
Xylenes, Total	*	4.0		**ND**						05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**52.6**	50.00		105.3	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**51.9**	50.00		103.7	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**53.5**	50.00		106.9	80	120	05/07/2021
Surr: Toluene-d8	*			**48.4**	50.00		96.8	80	120	05/07/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176695 **SampType:** LCS Units **µg/L**

SampID: LCS-AE210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**51.6**	50.00	0	103.2	78.5	119	05/07/2021
Ethylbenzene	*	2.0		**47.6**	50.00	0	95.1	78.2	114	05/07/2021
Toluene	*	2.0		**47.7**	50.00	0	95.5	78.6	112	05/07/2021
Xylenes, Total	*	4.0		**143**	150.0	0	95.2	78.3	114	05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**46.0**	50.00		92.0	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**47.7**	50.00		95.3	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0	80	120	05/07/2021
Surr: Toluene-d8	*			**48.0**	50.00		95.9	80	120	05/07/2021

Batch 176695 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-AE210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.2**	50.00	0	102.3	51.60	0.84	05/07/2021
Ethylbenzene	*	2.0		**46.8**	50.00	0	93.5	47.56	1.72	05/07/2021
Toluene	*	2.0		**46.5**	50.00	0	93.0	47.73	2.65	05/07/2021
Xylenes, Total	*	4.0		**140**	150.0	0	93.5	142.8	1.74	05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**47.5**	50.00		95.1			05/07/2021
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.3			05/07/2021
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.7			05/07/2021
Surr: Toluene-d8	*			**48.0**	50.00		95.9			05/07/2021

Batch 176695 **SampType:** LCSG Units **%REC**

SampID: LCSG-AE210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**49.2**	50.00		98.3	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.8	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**50.3**	50.00		100.6	80	120	05/07/2021
Surr: Toluene-d8	*			**48.6**	50.00		97.3	80	120	05/07/2021

Batch 176695 **SampType:** LCSGD Units **%REC** RPD Limit **0**

SampID: LCSGD-AE210507A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**46.7**	50.00		93.4			05/07/2021
Surr: 4-Bromofluorobenzene	*			**47.7**	50.00		95.4			05/07/2021
Surr: Dibromofluoromethane	*			**49.1**	50.00		98.2			05/07/2021
Surr: Toluene-d8	*			**48.4**	50.00		96.7			05/07/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176733 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210507A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						05/07/2021
Ethylbenzene	*	2.0		**ND**						05/07/2021
Toluene	*	2.0		**ND**						05/07/2021
Xylenes, Total	*	4.0		**ND**						05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.8	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.7	80	120	05/07/2021
Surr: Toluene-d8	*			**49.8**	50.00		99.7	80	120	05/07/2021

Batch 176733 **SampType:** LCS Units µg/L

SampID: LCS-AK210507A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**45.3**	50.00	0	90.7	78.5	119	05/07/2021
Ethylbenzene	*	2.0		**49.2**	50.00	0	98.5	78.2	114	05/07/2021
Toluene	*	2.0		**48.3**	50.00	0	96.5	78.6	112	05/07/2021
Xylenes, Total	*	4.0		**148**	150.0	0	98.4	78.3	114	05/07/2021
Surr: 1,2-Dichloroethane-d4	*			**46.5**	50.00		93.0	80	120	05/07/2021
Surr: 4-Bromofluorobenzene	*			**48.0**	50.00		96.1	80	120	05/07/2021
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.5	80	120	05/07/2021
Surr: Toluene-d8	*			**50.1**	50.00		100.2	80	120	05/07/2021

Batch 176733 **SampType:** MS Units µg/L

SampID: 21050403-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**41.8**	50.00	0	83.5	72	120	05/08/2021
Ethylbenzene		2.0		**46.7**	50.00	0	93.3	74.8	115	05/08/2021
Toluene		2.0		**44.7**	50.00	0	89.4	70.6	109	05/08/2021
Xylenes, Total		4.0		**90.8**	100.0	0	90.8	72.1	113	05/08/2021
Surr: 1,2-Dichloroethane-d4	*			**47.3**	50.00		94.7	80	120	05/08/2021
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.5	80	120	05/08/2021
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.6	80	120	05/08/2021
Surr: Toluene-d8	*			**50.0**	50.00		100.0	80	120	05/08/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176733 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 21050403-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**42.4**	50.00	0	84.9	41.76	1.64	05/08/2021
Ethylbenzene		2.0		**47.8**	50.00	0	95.5	46.67	2.33	05/08/2021
Toluene		2.0		**45.6**	50.00	0	91.2	44.72	1.99	05/08/2021
Xylenes, Total		4.0		**92.4**	100.0	0	92.4	90.85	1.72	05/08/2021
Surr: 1,2-Dichloroethane-d4	*			**46.9**	50.00		93.8			05/08/2021
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.7			05/08/2021
Surr: Dibromofluoromethane	*			**48.6**	50.00		97.3			05/08/2021
Surr: Toluene-d8	*			**49.9**	50.00		99.9			05/08/2021

Batch 176795 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210510A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						05/10/2021
Ethylbenzene	*	2.0		**ND**						05/10/2021
Toluene	*	2.0		**ND**						05/10/2021
Xylenes, Total	*	4.0		**ND**						05/10/2021
Surr: 1,2-Dichloroethane-d4	*			**46.1**	50.00		92.1	80	120	05/10/2021
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.6	80	120	05/10/2021
Surr: Dibromofluoromethane	*			**48.9**	50.00		97.9	80	120	05/10/2021
Surr: Toluene-d8	*			**49.7**	50.00		99.4	80	120	05/10/2021

Batch 176795 **SampType:** LCS Units µg/L

SampID: LCS-AK210510A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.6**	50.00	0	95.3	78.5	119	05/10/2021
Ethylbenzene	*	2.0		**52.1**	50.00	0	104.2	78.2	114	05/10/2021
Toluene	*	2.0		**50.5**	50.00	0	100.9	78.6	112	05/10/2021
Xylenes, Total	*	4.0		**156**	150.0	0	104.0	78.3	114	05/10/2021
Surr: 1,2-Dichloroethane-d4	*			**46.8**	50.00		93.5	80	120	05/10/2021
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.2	80	120	05/10/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.0	80	120	05/10/2021
Surr: Toluene-d8	*			**49.7**	50.00		99.5	80	120	05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176795 **SampType:** LCSD Units µg/L RPD Limit 15.9

SampID: LCSD-AK210510A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**45.3**	50.00	0	90.6	47.63	5.01	05/10/2021
Ethylbenzene	*	2.0		**49.8**	50.00	0	99.6	52.09	4.45	05/10/2021
Toluene	*	2.0		**48.3**	50.00	0	96.6	50.47	4.41	05/10/2021
Xylenes, Total	*	4.0		**149**	150.0	0	99.5	156.0	4.45	05/10/2021
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.8			05/10/2021
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.1			05/10/2021
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.5			05/10/2021
Surr: Toluene-d8	*			**49.7**	50.00		99.3			05/10/2021

Batch 176795 **SampType:** MS Units µg/L

SampID: 21050403-026DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**46.7**	50.00	0	93.3	72	120	05/10/2021
Ethylbenzene		2.0		**52.1**	50.00	0	104.2	74.8	115	05/10/2021
Toluene		2.0		**49.3**	50.00	0.3800	97.8	70.6	109	05/10/2021
Xylenes, Total		4.0		**101**	100.0	0	101.0	72.1	113	05/10/2021
Surr: 1,2-Dichloroethane-d4	*			**46.3**	50.00		92.5	80	120	05/10/2021
Surr: 4-Bromofluorobenzene	*			**48.8**	50.00		97.5	80	120	05/10/2021
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7	80	120	05/10/2021
Surr: Toluene-d8	*			**49.6**	50.00		99.2	80	120	05/10/2021

Batch 176795 **SampType:** MSD Units µg/L RPD Limit 20

SampID: 21050403-026DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**46.0**	50.00	0	91.9	46.66	1.49	05/10/2021
Ethylbenzene		2.0		**51.4**	50.00	0	102.8	52.11	1.35	05/10/2021
Toluene		2.0		**48.4**	50.00	0.3800	96.1	49.29	1.74	05/10/2021
Xylenes, Total		4.0		**99.5**	100.0	0	99.5	101.0	1.43	05/10/2021
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.8			05/10/2021
Surr: 4-Bromofluorobenzene	*			**48.9**	50.00		97.8			05/10/2021
Surr: Dibromofluoromethane	*			**49.3**	50.00		98.6			05/10/2021
Surr: Toluene-d8	*			**49.5**	50.00		99.0			05/10/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176843 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210511A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						05/11/2021
Ethylbenzene	*	2.0		**ND**						05/11/2021
Toluene	*	2.0		**ND**						05/11/2021
Xylenes, Total	*	4.0		**ND**						05/11/2021
Surr: 1,2-Dichloroethane-d4	*			**46.2**	50.00		92.5	80	120	05/11/2021
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.9	80	120	05/11/2021
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.1	80	120	05/11/2021
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	05/11/2021

Batch 176843 **SampType:** LCS Units µg/L

SampID: LCS-AK210511A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**47.1**	50.00	0	94.3	78.5	119	05/11/2021
Ethylbenzene	*	2.0		**51.3**	50.00	0	102.5	78.2	114	05/11/2021
Toluene	*	2.0		**49.7**	50.00	0	99.4	78.6	112	05/11/2021
Xylenes, Total	*	4.0		**153**	150.0	0	101.9	78.3	114	05/11/2021
Surr: 1,2-Dichloroethane-d4	*			**46.2**	50.00		92.3	80	120	05/11/2021
Surr: 4-Bromofluorobenzene	*			**48.2**	50.00		96.4	80	120	05/11/2021
Surr: Dibromofluoromethane	*			**50.3**	50.00		100.7	80	120	05/11/2021
Surr: Toluene-d8	*			**49.7**	50.00		99.4	80	120	05/11/2021

Batch 176843 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AK210511A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**46.5**	50.00	0	93.0	47.14	1.39	05/11/2021
Ethylbenzene	*	2.0		**50.0**	50.00	0	100.0	51.27	2.53	05/11/2021
Toluene	*	2.0		**48.5**	50.00	0	97.1	49.72	2.42	05/11/2021
Xylenes, Total	*	4.0		**149**	150.0	0	99.6	152.8	2.22	05/11/2021
Surr: 1,2-Dichloroethane-d4	*			**46.4**	50.00		92.8			05/11/2021
Surr: 4-Bromofluorobenzene	*			**48.0**	50.00		96.0			05/11/2021
Surr: Dibromofluoromethane	*			**50.8**	50.00		101.5			05/11/2021
Surr: Toluene-d8	*			**49.2**	50.00		98.5			05/11/2021

Client: ERM **Work Order:** 21050403

Client Project: Champaign GW **Report Date:** 18-May-21

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

Batch 176843 **SampType:** MS Units µg/L

SampID: 21050403-031DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.0		**850**	500.0	389.5	92.1	72	120	05/11/2021
Ethylbenzene		20.0		**1380**	500.0	882.7	100.3	74.8	115	05/11/2021
Toluene		20.0		**485**	500.0	8.800	95.3	70.6	109	05/11/2021
Xylenes, Total		40.0		**1240**	1000	268.3	97.6	72.1	113	05/11/2021
Surr: 1,2-Dichloroethane-d4	*			**454**	500.0		90.8	80	120	05/11/2021
Surr: 4-Bromofluorobenzene	*			**477**	500.0		95.3	80	120	05/11/2021
Surr: Dibromofluoromethane	*			**488**	500.0		97.5	80	120	05/11/2021
Surr: Toluene-d8	*			**495**	500.0		99.0	80	120	05/11/2021

Batch 176843 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 21050403-031DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.0		**834**	500.0	389.5	88.9	849.9	1.88	05/11/2021
Ethylbenzene		20.0		**1370**	500.0	882.7	96.6	1384	1.32	05/11/2021
Toluene		20.0		**475**	500.0	8.800	93.2	485.1	2.17	05/11/2021
Xylenes, Total		40.0		**1230**	1000	268.3	95.9	1244	1.31	05/11/2021
Surr: 1,2-Dichloroethane-d4	*			**451**	500.0		90.1			05/11/2021
Surr: 4-Bromofluorobenzene	*			**480**	500.0		96.0			05/11/2021
Surr: Dibromofluoromethane	*			**488**	500.0		97.6			05/11/2021
Surr: Toluene-d8	*			**496**	500.0		99.3			05/11/2021

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21050403
Report Date: 18-May-21

Carrier: Jarred Schmidt

Completed by: Marvin L. Darling II
On: 06-May-21
Marvin L. Darling

Received By: ERH

Reviewed by: Elizabeth A. Hurley
On: 06-May-21
Elizabeth A. Hurley

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 0.8
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# 75145/75146. ERH 5/6/21

Additional sodium hydroxide (76347) was needed in 106R, 107R and 109 upon arrival at the laboratory. ERH 5/6/21

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 5/6/2021 5:54:15 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 21050403

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

Client: ERM
Address: 2 CityPlace Drive, Suite 70
City / State / Zip: St. Louis, MO 63141
Contact: Jarred Schmidt Phone: (314) 733-4490
E-Mail: Jarred.Schmidt@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 0.8 °C LTG# 3
Preserved In: [X] LAB [ ] FIELD **FOR LAB USE ONLY**
Lab Notes: added NaOH (70347) EH 5/6/21 100R, 107R, 109
ØHS ERH 5/6/21

Client Comments
0.0075 mg/L detection limit for Pb
MS/MSDs: UMW-305-WG-20210505
UMW-306-WG-20210505

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	J. Schmidt, C. Bornstein, M. Borky

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

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21050403-001	UMW-102-WG-20210503	5/3/2021, 1500	1	1	1	2		X		X	X	X	X
-002	UMW-105-WG-20210505	5/5/2021, 1050	1	1	1	2		X		X	X	X	X
-003	UMW-106R-WG-20210504	5/4/2021, 1715	1	1	1	2		X		X	X	X	X
-004	UMW-107R-WG-20210504	5/4/2021, 1150	1	1	1	2		X		X	X	X	X
-005	UMW-108-WG-20210504	5/4/2021, 1055	1	1	1	2		X		X	X	X	X
-006	UMW-109-WG-20210504	5/4/2021, 0945	1	1	1	2		X		X	X	X	X
-007	UMW-111A-WG-20210504	5/4/2021, 0815	1	1	1	2		X		X	X	X	X
-008	UMW-116-WG-20210504	5/4/2021, 1605	1	1	1	2		X		X	X	X	X
-009	UMW-117-WG-20210504	5/4/2021, 1200	1	1	1	2		X		X	X	X	X
-010	UMW-118-WG-20210504	5/4/202, 1045	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Jarred Schmidt	5/6/2021 13:05	Ellen Hopkins	5/6/21 1305

BottleOrder: 65133

HLR/ERH 5/6/21

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 21050403

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

Client:	ERM		
Address:	2 CityPlace Drive, Suite 70		
City / State / Zip	St. Louis, MO 63141		
Contact:	Jarred Schmidt	**Phone:**	(314) 733-4490
E-Mail:	Jarred.Schmidt@erm.com	**Fax:**	

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 6-8 °C LTG#

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

Lab Notes:

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

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

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

Client Comments

0.0075 mg/L detection limit for Pb

MS/MSDs: UMW-305-WG-20210505

UMW-306-WG-20210505

Project Name/Number	Sample Collector's Name
Champaign GW	J. Schmidt, C. Burnstein, M. Barley

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
21050403-01	UMW-119-WG-20210503	5/3/2021, 1710	1	1	1	2		X		X	X	X	X
-02	UMW-120-WG-20210503	5/3/2021, 1605	1	1	1	2		X		X	X	X	X
-03	UMW-121-WG-20210505	5/5/2021, 1145	1	1	1	2		X		X	X	X	X
-04	UMW-122-WG-20210504	5/4/2021, 1445	1	1	1	2		X		X	X	X	X
-05	UMW-123-WG-20210504	5/4/2021, 1600	1	1	1	2		X		X	X	X	X
-06	UMW-124-WG-20210506	~~5/6/2021, 0815~~ 5/5/2021, ~~1055~~	1	1	1	2		X		X	X	X	X
-07	UMW-125-WG-20210505	5/5/2021, 1055	1	1	1	2		X		X	X	X	X
-08	UMW-126-WG-20210505	5/5/2021, 1335	1	1	1	2		X		X	X	X	X
-09	UMW-127-WG-20210505	5/5/2021, 1315	1	1	1	2		X		X	X	X	X
-10	UMW-300-WG-20210504	5/4/2021, 0915	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Jarred Schmidt	5/6/2021 13:05	Ellen Hopkins	5/6/21 1305

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: 65133

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 210504O3

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

Client:	ERM		
Address:	2 CityPlace Drive, Suite 70		
City / State / Zip	St. Louis, MO 63141		
Contact:	Jarred Schmidt	**Phone:**	(314) 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:

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

0.0075 mg/L detection limit for Pb

MS/MSDs: UMW-305-WG-20210505
UMW-306-WG-20210505

Project Name/Number	Sample Collector's Name
Champaign GW	J. Schmidt, C. Burnstein, M. Barkey

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
21050403-021	UMW-301R-WG-20210505	5/5/2021, 1415	1	1	1	2		X		X	X	X	X
-022	UMW-302-WG-20210505	5/5/2021, 1715	1	1	1	2		X		X	X	X	X
-023	UMW-303-WG-20210504	5/4/2021, 1455	1	1	1	2		X		X	X	X	X
-024	UMW-304R-WG-20210505	5/5/2021, 1150	1	1	1	2		X		X	X	X	X
-025	UMW-305-WG-20210505	5/5/2021, 0940	3	2	2	6		X		X	X	X	X
-026	UMW-306-WG-20210505	5/5/2021, 0910	3	2	2	6		X		X	X	X	X
-027	UMW-307-WG-20210505	5/5/2021, 0830	1	1	1	2		X		X	X	X	X
-028	UMW-308-WG-20210505	5/5/2021, 1610	1	1	1	2		X		X	X	X	X
-029	DUP 001-WG-20210506	5/6/2021, —	1	1	1	2		X		X	X	X	X
-030	DUP 002-WG-20210505	5/5/2021, —	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Jarred Schmidt	5/6/2021 13:05	Ellen Hopkins	5/6/21 1305

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: 65133

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 21050403

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

Client:	ERM		
Address:	2 CityPlace Drive, Suite 70		
City / State / Zip	St. Louis, MO 63141		
Contact:	Jarred Schmidt	**Phone:**	(314) 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:

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

0.0075 mg/L detection limit for Pb

MS/MSDs: UMW-305-WG-20210505
UMW-306-WG-20210505

Project Name/Number	Sample Collector's Name
Champaign GW	J. Schmidt, C. Bornstein, M. Barly

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
21050403 -C31	DUP 003-WG-20210505	5/5/2021, —	1	1	1	2						X					X	X	X	X
-C32	EB-01-WQ-20210503	5/3/2021, 1300	1	1	1	2					X						X	X	X	X
-C33	TB-01-WQ-20210503	5/3/2021, 1230				2							X				X			
-C34	EB-02-WQ-20210505	5/5/2021, 0700	1	1	1	2					X						X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Jarred Schmidt	5/6/2021 13:05	Ellen Hoppes	5/6/21 1305

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BottleOrder: 65133

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Memorandum

To	Lacy Smith
From	Rachel James
Date	30 June 2021
Reference	0543705
Subject	Revised Data Review of Ameren Champaign Groundwater Samples Second Quarter 2021: Teklab, Inc. Data Package 21050403.

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

REVISION

This memorandum was revised to better describe the trip blank sample collection date and time in the Chain-of-Custody Discrepancies section.

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-20210506, UMW-127-WG-20210505, UMW-302-WG-20210505, UMW-303-WG-20210505, DUP-001-WG-20210506, and DUP-003-WG--20210505) 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.

HOLDING TIME AND PRESERVATION EVALUATION

The sample shipment was received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The samples had the correct chemical preservation, with the exception of three of the 33 samples for cyanide analysis. In these cases, the pH was less than 12 and the laboratory adjusted the pH with additional sodium hydroxide upon receipt. The pH was within the requirement of greater than 12 after sodium hydroxide as added and no qualifications were applied to the samples. The samples received with inadequate preservation are presented in Table 1.

BLANK EVALUATION

Naphthalene was detected in equipment blank sample EB-02-WQ-20210505 at a concentration above the reporting limit. Associated naphthalene results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. The blank detection and associated data are presented in Table 2.

All benzo(k)fluoranthene results analyzed in SVOC batch 176703 were qualified by Teklab with a B flag, meaning that the analyte was detected in the associated method blank sample. However, benzo(k)fluoranthene was reported as non-detect to the reporting limit in the data package. All

associated benzo(k)fluoranthene results were non-detected and are considered unaffected by the erroneous qualifiers. The laboratory-applied B flags have been removed.

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

CALIBRATION EVALUATION

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

BLANK SPIKE EVALUATION

The LCS/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 MSMSD recoveries and RPDs were within the laboratory's limits of acceptance for project samples, with one exception. Naphthalene was recovered below the control limit in the MS sample prepared from UMW-36-WG-20210505. 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 outliers are presented in Table 3.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits with one exception. Method 8270C surrogates 2-fluorobiphenyl and nitrobenzene-d5 were recovered below the lower control limit in sample DUP 003-WG-20210505. The surrogates were reported from a 1000x dilution; therefore, qualifications were not necessary. The surrogate outlier is displayed in Table 4.

INTERNAL STANDARD EVALUATION

The internal standard recoveries were within acceptable limits, with the exception noted in Table 5. The internal standard naphthalene-d8 was recovered below the control limit in sample DUP 003-WG-20210505. The internal standard response is inversely proportional to the sample concentration, in this case resulting in a potential high bias. Naphthalene was the only target analyte

associated with the internal standard; therefore, the result was qualified as an estimate with a high bias (J+).

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 6. An RPD control limit of 30 was used when both the sample and the field duplicate results were greater than or equal to five times the reporting limit. An absolute difference control limit of two times the reporting limit was used when at least one of the results was less than five times the reporting limit (if the reporting limits are not the same between the parent and field duplicate samples, professional judgement was used for the control limit determination). The cyanide results in sample pair UMW-302-WG-20210505/DUP-003-WG-20210505 did not meet the absolute difference criterion and the results were qualified as estimates (J).

RECALCULATION

All result recalculations agreed with reported results. It was noted that the included raw data for metals was not complete for all samples, indicating that the instrument software was likely performing calculations internally. For these samples, results were verified for transcription errors and none were found.

OVERALL ASSESSMENT

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

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

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
21050403	UMW-106R-WG-20210504	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and samples were successfully preserved.	--
	UMW-107R-WG-20210504					
	UMW-109-WG-20210504					

Lab package reviewed: 21050403

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

Lab Package	Blank ID	Detected Analyte	Reported Blank Concentration	Blank Report Limit	Associated Sample	Associated Sample Result	Associated Sample Report Limit	Units	ERM Qualifier
21050403	EB-02-WQ-20210505	Naphthalene	0.00570	0.00200	UMW-126-WG-20210505	0.000455	0.000400	mg/L	0.000455 U
					UMW-127-WG-20210505	0.00129	0.000400	mg/L	0.00129 U
					UMW-306-WG-20210505	0.00111	0.000400	mg/L	0.00111 U
					DUP 002-WG-20200505	0.000554	0.000400	mg/L	0.000554 U

Lab package reviewed: 21050403

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

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

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
MS/MSD										
21050403	UMW-306-WG-20210505 MS/MSD	UMW-306-WG-20210505	Naphthalene	16.3/27.9	24.2-132	15.05	40	--	--	--

Lab package reviewed: 21050403

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

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

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
21050403	DUP 003-WG-20210505	8270C	2-Fluorobiphenyl	0	21.4-142	None for qualification	1000	--
			Nitrobenzene-d5	0	15-163			

Lab package reviewed: 21050403

Table 5
Internal Standard Recoveries Outside of Acceptable Limits
Second Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Internal Standard	Response	Limit	Affected Analyte	ERM Qualifier
21050403	DUP 003-WG-20210505	8270C	Naphthalene-d8	179409	209468 - 837870	Naphthalene	J+

Lab package reviewed: 21050403

Notes:

J+ = Detected results are estimated with a high bias

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
Second Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Absolute Difference	Difference Limit	Units	RPD	RPD Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate						
21050403	UMW-124-WG-20210506/ DUP 001-WG-20210506	Barium	0.0295	0.0295	0.0125	0.0025	0.0000	0.0050	mg/L	--	--	--
		Acenaphthene	0.000465	0.000496	0.000100	0.000100	0.000031	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000316	0.000290	0.000100	0.000100	0.000026	0.000200	mg/L	--	--	--
		Naphthalene	0.0534	0.0534	0.0100	0.0100	--	--	mg/L	0.0	30	--
		Benzene	91.2	91.3	0.5	0.5	--	--	µg/L	0.11	30	--
		Ethylbenzene	13.4	13.5	2.0	2.0	--	--	µg/L	0.74	30	--
		Toluene	77.6	78.1	2.0	2.0	--	--	µg/L	0.64	30	--
		Xylene, Total	39.5	39.7	4.0	4.0	--	--	µg/L	0.51	30	--
	UMW-126-WG-20210505/ DUP 002-WG-20200505	Barium	0.0250	0.0230	0.0025	0.0025	--	--	mg/L	8.3	30	--
		Naphthalene	0.000455	0.000554	0.000400	0.000400	0.000099	0.000800	mg/L	--	--	--
		Benzene	77.8	75.5	0.5	0.5	--	--	µg/L	3.0	30	--
		Toluene	4.5	4.6	2.0	2.0	0.1	4.0	µg/L	--	--	--
	UMW-302-WG-20210505/ DUP 003-WG-20210505	Cyanide	0.154	0.093	0.025	0.025	0.061	0.050	mg/L	--	--	J
		Barium	0.0604	0.0597	0.0025	0.0025	--	--	mg/L	1.2	30	--
		Acenaphthene	0.000776	0.000862	0.000100	0.000100	--	--	mg/L	11	30	--
		Acenaphthylene	0.000501	0.000551	0.000100	0.000100	--	--	mg/L	9.5	30	--
		Naphthalene	2.79	2.92	0.400	0.400	--	--	mg/L	4.6	30	--
		Benzene	392	390	5.0	5.0	--	--	µg/L	0.51	30	--
		Ethylbenzene	916	883	20.0	20.0	--	--	µg/L	3.7	30	--
		Xylene, Total	287	268	40.0	40.0	--	--	µg/L	6.8	30	--

Lab package reviewed: 21050403

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

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