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October 19, 2021

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

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

Dear Ms. Ambrose:

On behalf of Ameren Services, Environmental Resources Management, Inc. (ERM) has completed the third 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 August 2, 2021, through August 5, 2021.

INTRODUCTION

Groundwater sampling activities for the third quarter 2021 monitoring event were conducted from August 2 through August 5, 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 August 2, 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 and Pace Analytical Services, LLC (Pace) of Lenexa, Kansas. Specifically, to evaluate quality assurance/quality control (QA/QC) sampling procedures and methods, two split samples were collected from both the equipment blank samples collected during this sampling event. Both sets of bottles were submitted for analyses with one set designated as an "original sample," the other designated as a "split sample." The original samples were submitted to Teklab and the split samples were submitted to Pace.

Groundwater level measurement data for the third 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 and Pace are provided in Attachment 1.

Quality assurance samples collected during the event included duplicates, matrix spike and matrix spike duplicates (MS/MSD), equipment blanks, split samples, 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 third quarter 2021 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the August 2021 groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on August 5, 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 third quarter 2021 monitoring event are shown on Table 1. The DTW in the shallow monitoring wells ranged from 2.82 to 8.87 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.82 to 4.78 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 0.021 (UMW-124 to UMW-105), 0.012 (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 26.39 to 28.79 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 (intermediate groundwater) or Class II (shallow groundwater) ingestion RO, or groundwater (vapor) inhalation RO for indoor air at residential sites (inhalation RO). The shallow groundwater unit underlying and in the vicinity of the Site is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Three of the 28 monitoring wells sampled in the third 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 third quarter 2021 sampling event exceeded their respective RO included shallow monitoring wells UMW-124 and UMW-126. A benzene concentration of 0.092 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 0.080 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 0.316, 0.804, and 2.59 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 August 2019 and August 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 third quarter 2021 monitoring event for compliance with 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-118-WG-20210803, UMW-124-WG-20210804, UMW-127-WG-20210804, UMW-302-WG-20210804, DUP-002-WG-20210804, and DUP-003-WG-20210804). 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 third quarter 2021 monitoring event did not require modification, other than addition of qualifiers.

Naphthalene has been detected in equipment blank samples at a concentration above the reporting limit but below groundwater ROs in prior groundwater sampling events. To evaluate QA/QC sampling procedures and methods, two split samples were collected from both equipment blank samples. Both sets of bottles were submitted for analyses with one set designated as an "original sample," the other designated as a "split sample." The original samples were submitted to Teklab and the split samples were submitted to Pace.

Based on the laboratory results from Teklab, naphthalene was detected in original equipment blank sample, EB-02-WQ-20210804, at a concentration above the reporting limit but below groundwater ROs. However, based on the laboratory result from Pace, no detections were identified above the reporting limit for any COCs associated with the split sample for EB-02-WQ-20210804. Upon re-analysis by Teklab of the original equipment blank sample, laboratory results indicated no detection of naphthalene. Further correspondence with Teklab has indicated that the original laboratory result was due to cross-contamination in the laboratory setting.

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 5 samples and high pH in 7 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 ‘UJ’ qualifier indicates that the result is non-detected with an estimated report limit.

CONCLUSIONS – 3rd Quarter Results

Based on the data collected during the third 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 November 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

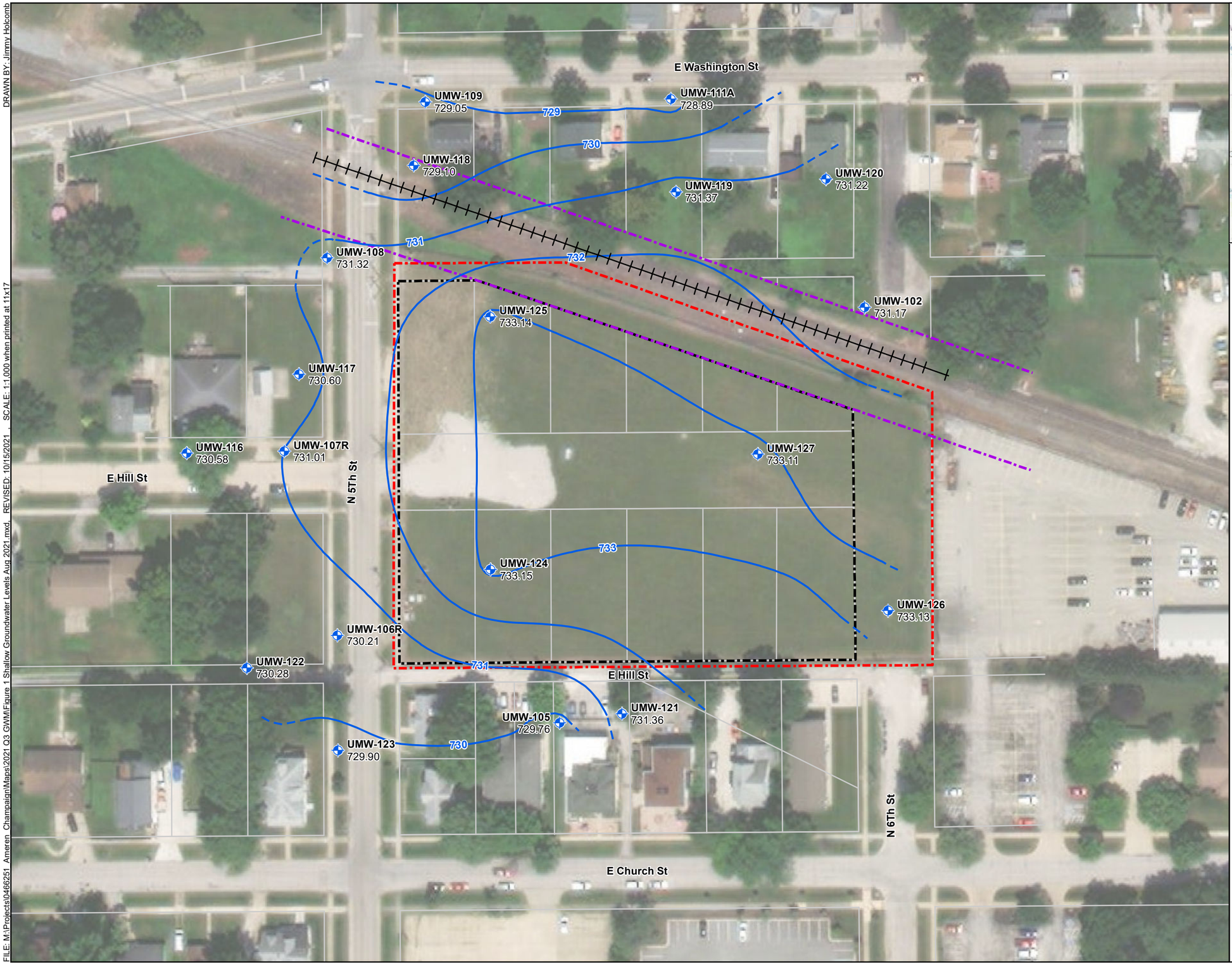
Alan Cork, P.E.
Principal Consultant, Engineer

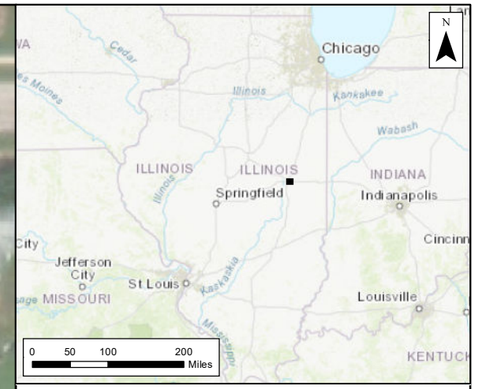
Figures
Figure 1 Shallow Groundwater Elevation Contours
Figure 2 Intermediate Groundwater Elevation Contours
Figure 3 Class I and II Groundwater RO Exceedances
Figures 4A-C Graphs of Concentration versus Time for Selected Monitoring Well

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

Attachment
Attachment 1 Laboratory Analytical Reports and Data Validation Summary

Figures





Legend

- Shallow Monitoring Well with Aug 02 2021 Groundwater Elevation
- Aug 02 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
Aug 02 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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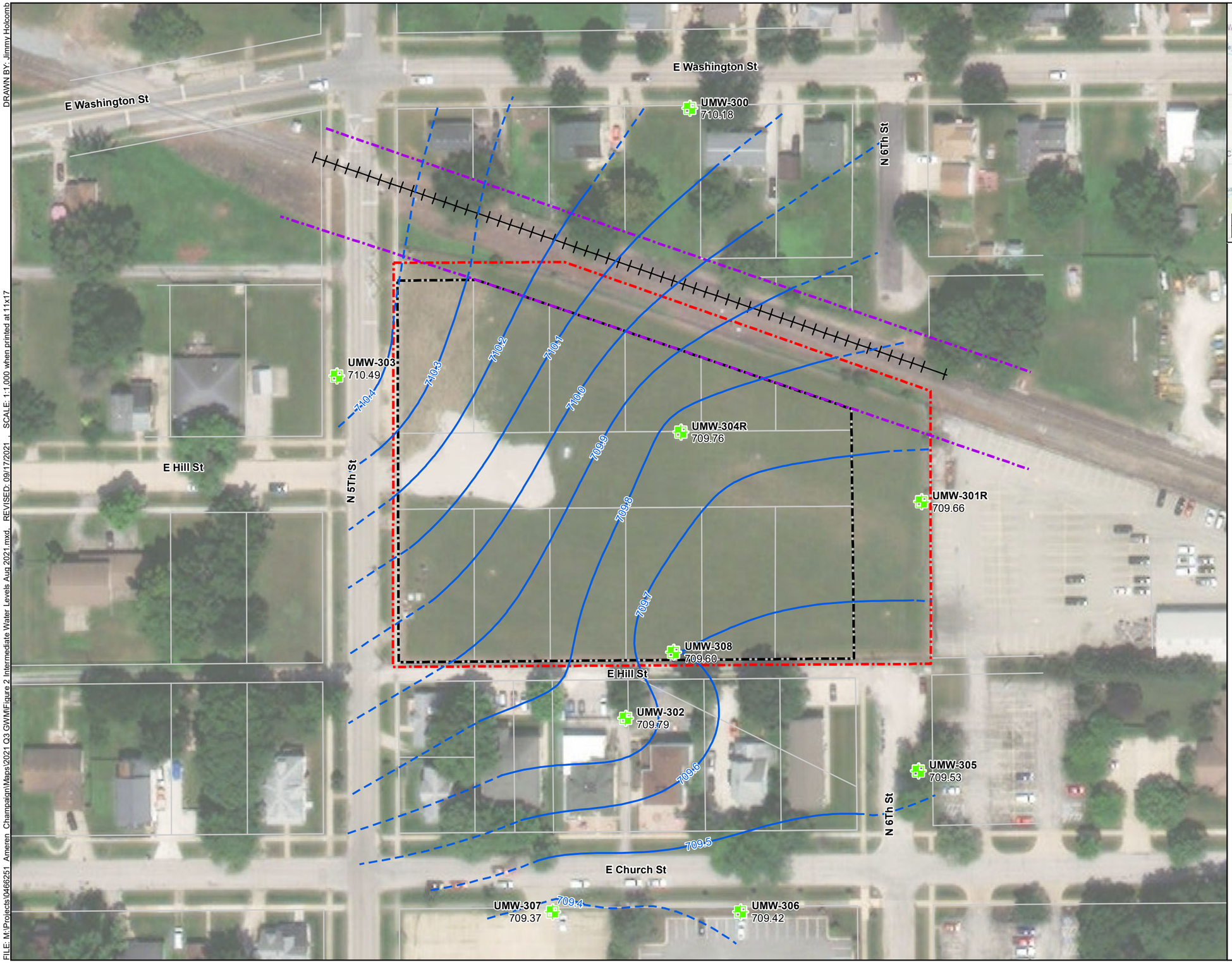

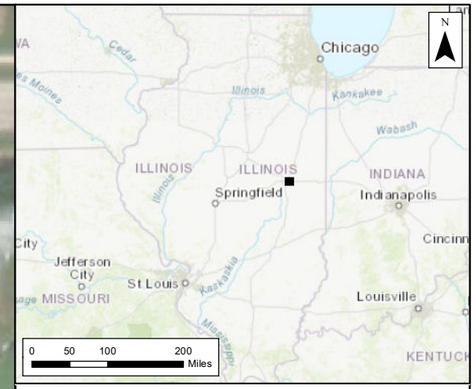

Legend

- Intermediate Monitoring Well with Aug 02 2021 Groundwater Elevation
- Aug 02 2021 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 2
Intermediate Groundwater Elevation Contours
Aug 02 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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DRAWN BY: GIS

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q3 GWM\Figure 3 Aug 2021 Exceedances.mxd REVISED: 09/22/2021 , SCALE: 1:1 200 when printed at 11x17

E Washington St

E Washington St

E Hill St

E Hill St

E Church St

N 5Th St

N 6Th St

N 6Th St

UMW-109

UMW-111A

UMW-300

UMW-118

UMW-119

UMW-120

UMW-108

UMW-102

UMW-125

UMW-117

UMW-303

UMW-304R

UMW-116

UMW-107R

UMW-127

UMW-301R

UMW-124
Benzene: 0.0920

UMW-126
Benzene: 0.0803

UMW-106R

UMW-308

UMW-122

UMW-121

UMW-105

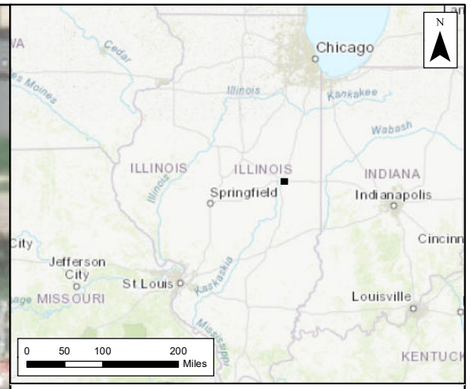
UMW-302
Benzene: 0.316
Ethylbenzene: 0.804
Naphthalene: 2.59

UMW-123

UMW-305

UMW-307

UMW-306



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) Groundwater ROs are listed.

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
Aug 02 - 05 2021
Ameren Services
Champaign, Illinois

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

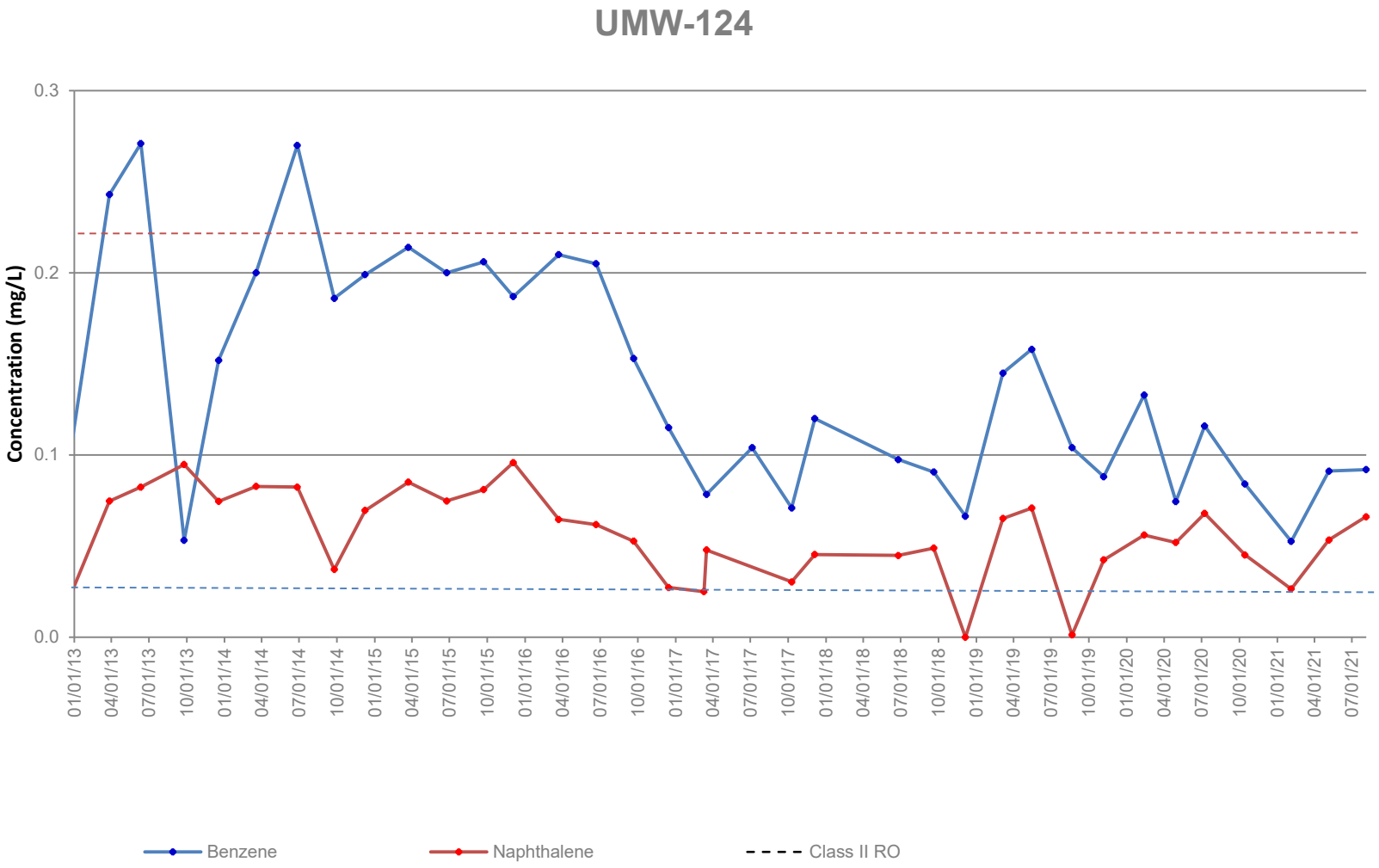


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

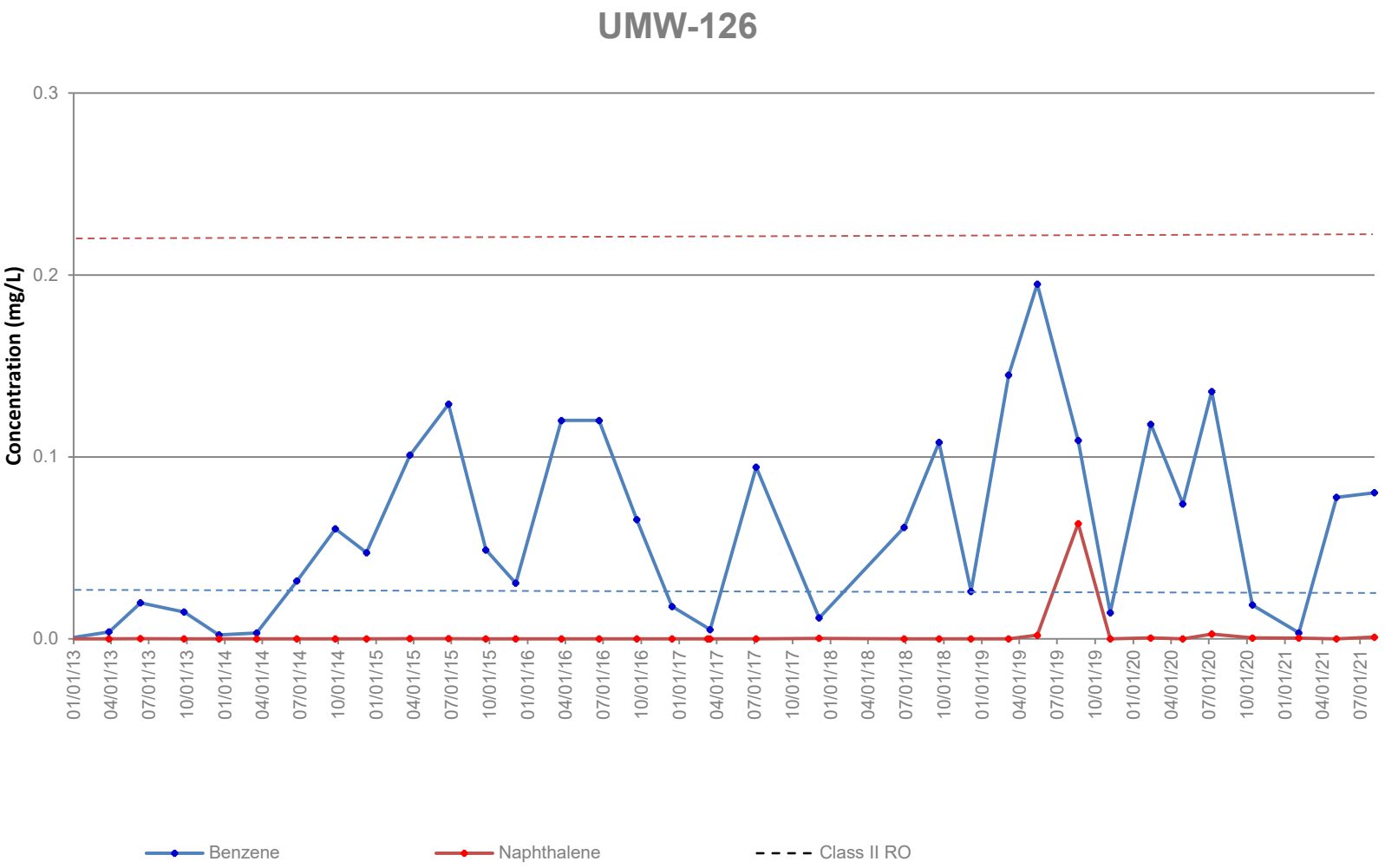
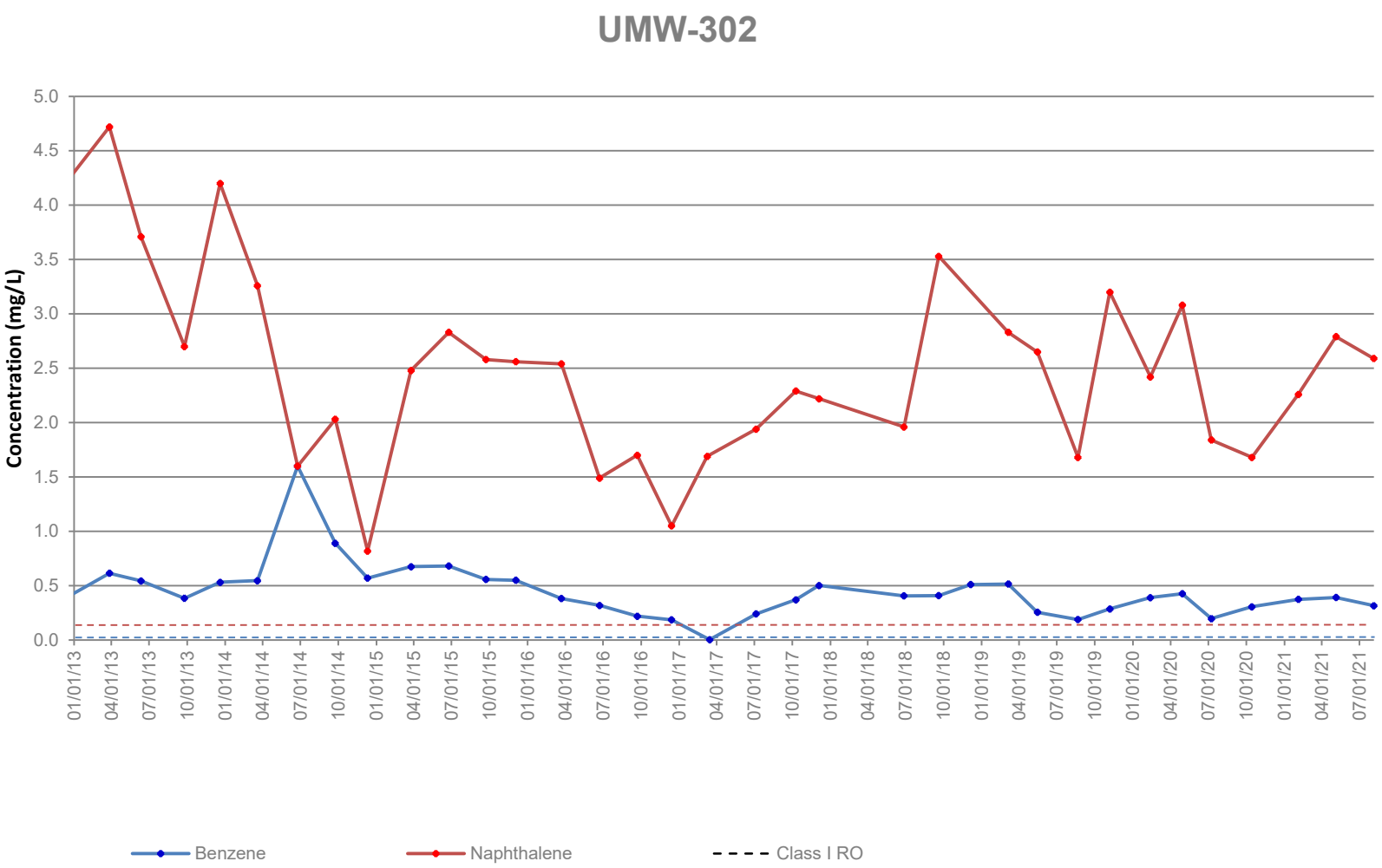


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1

Groundwater Elevation Data

August 2, 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 8/2/2021		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	6.15	731.17	3.00	300.00	8/2/2021
UMW-105	19.70	9.50-19.70	17.00	737.33	737.70	7.57	729.76	2.50	300.00	8/4/2021
UMW-106R	17.00	7.00-17.00	15.00	737.18	737.43	6.97	730.21	2.00	300.00	8/3/2021
UMW-107R	19.70	9.50-19.70	17.70	736.88	737.30	5.87	731.01	2.50	300.00	8/3/2021
UMW-108	15.00	4.80-15.00	13.00	736.86	737.10	5.54	731.32	2.00	300.00	8/3/2021
UMW-109	20.00	10.00-20.00	18.00	735.11	735.50	6.06	729.05	3.25	300.00	8/3/2021
UMW-111A	22.80	9.00-22.80	17.00	736.71	737.00	7.82	728.89	2.50	350.00	8/2/2021
UMW-116	20.00	10.00-20.00	18.00	736.23	736.50	5.65	730.58	2.50	360.00	8/3/2021
UMW-117	15.00	5.00-15.00	13.00	737.53	737.81	6.93	730.60	2.00	350.00	8/3/2021
UMW-118	15.00	5.00-15.00	13.00	736.20	736.43	7.10	729.10	2.50	340.00	8/3/2021
UMW-119	15.00	5.00-15.00	13.00	736.80	737.09	5.43	731.37	2.00	350.00	8/2/2021
UMW-120	15.00	5.00-15.00	13.00	737.02	737.53	5.80	731.22	1.50	360.00	8/3/2021
UMW-121	15.00	5.00-15.00	13.00	738.46	738.80	7.10	731.36	1.75	320.00	8/4/2021
UMW-122	19.75	5.00-15.00	13.00	739.15	739.44	8.87	730.28	1.75	250.00	8/3/2021
UMW-123	15.89	5.89-15.89	13.90	737.24	737.53	7.34	729.90	1.75	380.00	8/3/2021
UMW-124 *	15.27	4.97-15.02	13.30	737.10	737.28	3.95	733.15	2.25	320.00	8/4/2021
UMW-125 *	15.33	5.06-15.11	13.10	737.92	738.05	4.78	733.14	2.00	360.00	8/4/2021
UMW-126 *	15.40	5.13-15.18	13.40	736.38	736.55	3.25	733.13	2.00	300.00	8/4/2021
UMW-127 *	15.38	5.11-15.16	13.40	735.93	736.14	2.82	733.11	2.50	320.00	8/4/2021
UMW-300	45.00	35.00-45.00	43.00	736.57	736.79	26.39	710.18	2.00	480.00	8/3/2021
UMW-301R *	46.65	36.50-46.05	44.00	736.11	736.20	26.45	709.66	3.50	320.00	8/4/2021
UMW-302	45.00	35.00-45.00	43.00	738.58	738.88	28.79	709.79	3.00	500.00	8/4/2021
UMW-303	45.00	35.00-45.00	43.00	737.05	737.38	26.56	710.49	3.00	300.00	8/3/2021
UMW-304R *	46.16	36.01-45.56	44.00	736.48	736.72	26.72	709.76	3.25	400.00	8/4/2021
UMW-305	45.00	35.00-45.00	43.00	737.51	737.74	27.98	709.53	3.00	480.00	8/4/2021
UMW-306	47.00	37.00-47.00	45.00	736.90	737.18	27.48	709.42	3.25	400.00	8/4/2021
UMW-307	47.00	37.00-47.00	44.00	736.92	737.19	27.55	709.37	3.25	460.00	8/3/2021
UMW-308 *	45.29	35.14-44.69	42.70	737.21	737.39	27.61	709.60	3.00	320.00	8/4/2021

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
August 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	08/02/2021	08/04/2021	08/03/2021	08/03/2021	08/03/2021	08/03/2021	08/02/2021	08/03/2021	08/03/2021	08/03/2021	08/02/2021	08/03/2021
				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		7.01	7.44	7.11	7.33	6.75	7.15	6.95	6.88	6.84	6.77	7.09	7.22
Temperature (C)	NS	NS	NS		16.4	16.8	18.4	17.1	18	17	16.9	16.6	17.7	17.5	15.8	16.8
ORP (mV)	NS	NS	NS		3.7	51.2	70	-130.5	78.6	-20	79	94.1	83.3	84.9	57.1	80.7
Dissolved Oxygen (mg/L)	NS	NS	NS		0.13	1.68	4.78	0.11	1.03	1.32	3.37	2.31	1.03	0.76	0.54	1.35
Turbidity (NTU)	NS	NS	NS		1.27	9.72	1.06	21.5	3.72	1.79	0.61	1.09	100	384	6.93	7.3
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
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	0.000287	< 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	0.000184	< 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	0.000380	< 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	0.000389	< 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	0.000227	< 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	0.000140	< 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	0.000163	< 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	0.00107	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS		< 0.005	0.049	0.028	0.316	0.028	0.024	< 0.005	< 0.005	< 0.005	0.031	0.034	< 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		0.0581	0.0472	0.104	0.116	0.158	0.0957	0.0498	0.0671	0.125	0.164	0.0852	0.0478
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	0.0112	< 0.0050	< 0.0050	< 0.0050	0.0147	< 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	0.0107	< 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
* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

Qualifiers:
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 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
August 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

				Location Group	Shallow Wells (Class II Groundwater Ingestion)									Intermediate Wells (Class I 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	08/04/2021	08/03/2021	08/03/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/04/2021	08/03/2021	08/04/2021	08/04/2021
				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		6.66	7.07	7.02	10.43	NA	8.68	7.79	NA	11.56	7.09	7.1	7.6
Temperature (C)	NS	NS	NS		18.7	5.4	18.2	17.2	NA	16.4	17.8	NA	18.9	14.8	15	14.9
ORP (mV)	NS	NS	NS		96.5	93.1	66.8	-260.4	NA	63.9	-171.2	NA	-212.9	-34.8	-88.4	-153.3
Dissolved Oxygen (mg/L)	NS	NS	NS		2.21	0.98	2.39	0.08	NA	0.33	0.06	NA	0.25	0.96	0.35	0.2
Turbidity (NTU)	NS	NS	NS		13	0.79	2.28	16.5	NA	2.14	5.46	NA	2.75	0.61	2.08	0.86
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	< 0.0005	0.0920	0.0971	0.0008	0.0803	0.0785	0.0014	< 0.0005	< 0.0005	**0.316**
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	< 0.0020	0.0119	0.0126	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.804**
Toluene	1	2.5	530		< 0.0020	< 0.0020	< 0.0020	0.0707	0.0755	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0200
Xylene, Total	10	10	30		< 0.0040	< 0.0040	< 0.0040	0.0345	0.0364	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.205
PAH, mg/L																
Acenaphthene	0.42	2.1	NS		< 0.000100	< 0.000100	< 0.000100	0.000570	0.000502	< 0.000100	< 0.000100	< 0.000100	0.000194	< 0.000100	0.00346	0.000691
Acenaphthylene	0.21	1.05	NS		< 0.000100	< 0.000100	< 0.000100	0.000373	0.000348	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00337	0.000585
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	0.000209	< 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	0.0661	0.0657	< 0.000400	0.000928	0.000733	0.00201	< 0.000400	< 0.000400	**2.59**
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		0.054	0.007	< 0.005	0.012	0.014	0.041	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.073
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		0.0999	0.0387	0.0236	0.0315	0.0320	0.0180	0.0298	0.0300	0.136	0.0862	0.0753	0.0527
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	< 0.0075	< 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
* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
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:
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 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
August 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	Equipment Blank	Equipment Blank	Trip Blank	Trip Blank
			Sample Date	08/04/2021	08/03/2021	08/04/2021	08/04/2021	08/04/2021	08/03/2021	08/04/2021	08/02/2021	08/02/2021	08/04/2021	08/04/2021	08/02/2021	08/02/2021
			Sample Type	FD	N	N	N	N	N	N	*EB	EB	*EB	EB	*TB	TB
Parameter/Analyte	**CLASS I GROUNDWATER INGESTION**	**CLASS II GROUNDWATER INGESTION**	**GW INHALATION DIFFUSION & ADVECTION RES**													
Field Parameters																
pH	NS	NS	NS	NA	7.29	7.13	7.3	7.46	7.19	7.2	NA	NA	NA	NA	NA	NA
Temperature (C)	NS	NS	NS	NA	16.1	14.7	15.2	15.8	15.7	14.9	NA	NA	NA	NA	NA	NA
ORP (mV)	NS	NS	NS	NA	-59.8	-94.7	-115.2	-124.1	-121.7	-122.5	NA	NA	NA	NA	NA	NA
Dissolved Oxygen (mg/L)	NS	NS	NS	NA	0.16	0.41	0.16	0.19	0.43	0.43	NA	NA	NA	NA	NA	NA
Turbidity (NTU)	NS	NS	NS	NA	9.55	1.99	1.6	NA	5.68	35.2	NA	NA	NA	NA	NA	NA
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**	**0.319**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0010	< 0.0005	< 0.0010	< 0.0005	< 0.0010	< 0.0005
Ethylbenzene	0.7	1	**0.37**	**0.804**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0010	< 0.0020
Toluene	1	2.5	530	< 0.0200	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0010	< 0.0020	< 0.0010	< 0.0020	< 0.0010	< 0.0020
Xylene, Total	10	10	30	0.244	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0030	< 0.0040	< 0.0030	< 0.0040	< 0.0030	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS	0.000824	< 0.000100	0.000329	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	NA
Acenaphthylene	0.21	1.05	NS	0.000621	< 0.000100	0.000834	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	NA
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000095	< 0.000300	< 0.000095	< 0.000300	NA	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	NA
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	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	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	NA
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	NA
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000095	< 0.000100	< 0.000095	< 0.000100	NA	NA
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	NA
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.00048	< 0.000300	< 0.00048	< 0.000300	NA	NA
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	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	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	NA
Naphthalene	0.14	0.22	**0.075**	**2.56**	0.00256	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.00048	< 0.000400	< 0.00048	< 0.000400 UJ	NA	NA
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.00048	< 0.000600	< 0.00048	< 0.000600	NA	NA
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000095	< 0.000200	< 0.000095	< 0.000200	NA	NA
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS	0.079	< 0.005	< 0.005	0.011	0.012	0.069	0.017	< 0.0050	< 0.005	< 0.0050	< 0.005	NA	NA
Metals, mg/L																
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0100	< 0.0250	< 0.0100	< 0.0250	NA	NA
Barium	2	2	NS	0.0510	0.0407	0.0749	0.106	0.113	0.117	0.127	< 0.0050	< 0.0025	< 0.0050	< 0.0025	NA	NA
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0050	< 0.0020	< 0.0050	< 0.0020	NA	NA
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	NA	NA
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0100	< 0.0075	< 0.0100	< 0.0075	NA	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	< 0.00020	< 0.00020	NA	NA
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0150	< 0.0400	< 0.0150	< 0.0400	NA	NA
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	NA	NA

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units

Qualifiers:
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 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
August 2019 to August 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)	Benzo(k) fluoranthene (mg/L)
UMW-102	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	< 0.000100
	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	< 0.000100
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-105	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-106R	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-107R	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-108	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-109	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

TABLE 3
Analytical Results by Parameter
August 2019 to August 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	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	08/19/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	11/06/2019	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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-105	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.052
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.049
UMW-106R	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
UMW-107R	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.376
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.378
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.339
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.316
UMW-108	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.027
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.025
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
UMW-109	08/20/2019	< 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	< 0.000200	0.000104	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.030
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024

TABLE 3
Analytical Results by Parameter
August 2019 to August 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)	Benzo(k) fluoranthene (mg/L)
UMW-111A	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-116	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-117	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	< 0.000192
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-118	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000287	< 0.000300	0.000184	0.000380	0.000389	0.000227	0.000140
UMW-119	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-120	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	< 0.000100
	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	< 0.000100
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

TABLE 3
Analytical Results by Parameter
August 2019 to August 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	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	08/20/2019	< 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	0.000339	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000245	< 0.005
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-116	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-117	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/03/2021	0.000163	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	0.00107	0.031
UMW-119	08/19/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.031
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.034
UMW-120	08/19/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/10/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

TABLE 3
Analytical Results by Parameter
August 2019 to August 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)	Benzo(k) fluoranthene (mg/L)
UMW-121	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-122	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-123	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-124	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	< 0.000100
	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	< 0.000100
	02/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0841	0.0109	0.0590	0.0308	0.000579	0.000344	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0526	0.0062	0.0350	0.0186	0.000341	0.000174	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/06/2021	0.0912	0.0134	0.0776	0.0395	0.000465	0.000316	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0920	0.0119	0.0707	0.0345	0.000570	0.000373	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-125	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0080	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-126	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	< 0.000100
	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	< 0.000100
	02/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0033	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	0.0778	< 0.0020	0.0045	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0803	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

TABLE 3
Analytical Results by Parameter
August 2019 to August 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	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	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.117
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.093
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.070
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.054
UMW-122	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	04/29/2020	< 0.000100	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.009
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.008
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
UMW-123	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-124	08/21/2019	< 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	< 0.000200	0.000160	< 0.000100	0.0425	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	0.000237	< 0.000100	0.0680	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
	05/06/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0534	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	0.000209	< 0.000200	0.0661	< 0.000600	< 0.000200	0.012
UMW-125	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000239	< 0.000400	< 0.000200	0.061
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000878	< 0.000600	< 0.000200	0.024
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.038
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.041
UMW-126	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000887	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000498	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000455	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.000928	< 0.000600	< 0.000200	< 0.005

TABLE 3
Analytical Results by Parameter
August 2019 to August 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)	Benzo(k) fluoranthene (mg/L)
UMW-127	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	< 0.000100
	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	< 0.000100
	02/12/2020	0.0017	< 0.0020	< 0.0020	< 0.0040	0.000166 J	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ
	04/29/2020	0.0019	< 0.0020	< 0.0020	< 0.0040	0.000229	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000173	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000187	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000194	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-300	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-301R	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00291	0.00301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00308	0.00264	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00337	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-302	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	< 0.000100
	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	< 0.000100
	02/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	**0.374**	**0.786**	< 0.0200	0.223	0.000635	0.000450	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	**0.392**	**0.916**	< 0.0200	0.287	0.000776	0.000501	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	**0.316**	**0.804**	< 0.0200	0.205	0.000691	0.000585	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-303	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	0.000475	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-304R	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000284	0.000612	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000418	0.000740	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000329	0.000834	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

TABLE 3
Analytical Results by Parameter
August 2019 to August 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	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	08/21/2019	< 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	< 0.000200	0.000156	< 0.000100	< 0.00208	0.000429	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00150	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00129	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00201	< 0.000600	< 0.000200	< 0.005
UMW-300	08/19/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-301R	08/21/2019	< 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	< 0.000200	0.000215	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	0.000208	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-302	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	**3.20**	< 0.000400	< 0.000200	0.135
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.79**	< 0.000600	< 0.000200	0.154 J
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.59**	< 0.000600	< 0.000200	0.073
UMW-303	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	0.00305 J+	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 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	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.00182	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000419	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	0.000280	< 0.000200	0.00548	0.00298	0.000316	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00256	< 0.000600	< 0.000200	< 0.005
UMW-304R	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000233	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 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	< 0.000300	0.000266	< 0.000100	< 0.000441	0.000894	0.000273	< 0.005
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005

TABLE 3
Analytical Results by Parameter
August 2019 to August 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)	Benzo(k) fluoranthene (mg/L)
UMW-305	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-306	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000105	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-307	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	< 0.000100
	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	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000490	< 0.000300	0.000118	0.000192	0.000172	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-308	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	< 0.000100
	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	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000172	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

TABLE 3
Analytical Results by Parameter
August 2019 to August 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	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	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
UMW-306	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00111	< 0.000600	< 0.000200	0.008
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.012
UMW-307	08/20/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	02/11/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.069
UMW-308	08/21/2019	< 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	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.012
	02/12/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 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	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017

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

August 30, 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:** 21080373

Dear Jarred Schmidt:

TEKLAB, INC received 34 samples on 8/5/2021 1:49:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Report Contents

Client: ERM
Client Project: Champaign GW

Work Order: 21080373
Report Date: 30-Aug-21

This reporting package includes the following:

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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: 21080373
Report Date: 30-Aug-21

Cooler Receipt Temp: 1.4 °C

This report was revised on August 30, 2021 per Jarred Schmidt with ERM's request for recheck of EB-02-WQ-20210804 for Naphthalene by 8270C. The reason for the revision is include the re-analysis requested. Please replace report dated August 17, 2021 with this report. EAH 8/30/21

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:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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	6/30/2022	Collinsville
Louisiana	LDEQ	05003	NELAP	6/30/2022	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2022	Collinsville
Arkansas	ADEQ	88-0966		3/14/2022	Collinsville
Illinois	IDPH	17584		5/31/2021	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: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-001
Client Sample ID: UMW-102-WG-20210802
Matrix: GROUNDWATER
Collection Date: 08/02/2021 14:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/12/2021 17:18	180713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 20:42	180515
Barium	NELAP	0.0025		**0.0581**	mg/L	1	08/06/2021 20:42	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 20:42	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 20:42	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 20:42	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 20:42	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 20:42	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 11:53	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 15:17	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:17	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 15:17	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 15:17	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 15:17	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:17	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.0**	%REC	1	08/07/2021 15:17	180524
Surr: Nitrobenzene-d5	*	15-163		**88.5**	%REC	1	08/07/2021 15:17	180524
Surr: p-Terphenyl-d14	*	10-173		**137.0**	%REC	1	08/07/2021 15:17	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 12:45	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 12:45	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 12:45	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 12:45	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.0**	%REC	1	08/06/2021 12:45	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.8**	%REC	1	08/06/2021 12:45	180546
Surr: Dibromofluoromethane	*	80-120		**104.9**	%REC	1	08/06/2021 12:45	180546
Surr: Toluene-d8	*	80-120		**96.2**	%REC	1	08/06/2021 12:45	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-002
Client Sample ID: UMW-105-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.049**	mg/L	1	08/12/2021 17:22	180713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 20:53	180515
Barium	NELAP	0.0025		**0.0472**	mg/L	1	08/06/2021 20:53	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 20:53	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 20:53	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 20:53	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 20:53	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 20:53	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 11:56	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 15:56	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 15:56	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 15:56	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 15:56	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 15:56	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 15:56	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.3**	%REC	1	08/07/2021 15:56	180524
Surr: Nitrobenzene-d5	*	15-163		**72.2**	%REC	1	08/07/2021 15:56	180524
Surr: p-Terphenyl-d14	*	10-173		**97.8**	%REC	1	08/07/2021 15:56	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 13:10	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 13:10	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 13:10	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 13:10	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.2**	%REC	1	08/06/2021 13:10	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.9**	%REC	1	08/06/2021 13:10	180546
Surr: Dibromofluoromethane	*	80-120		**104.7**	%REC	1	08/06/2021 13:10	180546
Surr: Toluene-d8	*	80-120		**95.5**	%REC	1	08/06/2021 13:10	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-003
Client Sample ID: UMW-106R-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.028**	mg/L	1	08/12/2021 17:26	180713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 20:57	180515
Barium	NELAP	0.0025		**0.104**	mg/L	1	08/06/2021 20:57	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 20:57	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 20:57	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 20:57	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 20:57	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 20:57	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 11:58	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 16:35	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 16:35	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 16:35	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 16:35	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 16:35	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 16:35	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.1**	%REC	1	08/07/2021 16:35	180524
Surr: Nitrobenzene-d5	*	15-163		**76.8**	%REC	1	08/07/2021 16:35	180524
Surr: p-Terphenyl-d14	*	10-173		**99.3**	%REC	1	08/07/2021 16:35	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 13:36	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 13:36	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 13:36	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 13:36	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.4**	%REC	1	08/06/2021 13:36	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.6**	%REC	1	08/06/2021 13:36	180546
Surr: Dibromofluoromethane	*	80-120		**105.2**	%REC	1	08/06/2021 13:36	180546
Surr: Toluene-d8	*	80-120		**95.1**	%REC	1	08/06/2021 13:36	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-004
Client Sample ID: UMW-107R-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 12:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.050		**0.316**	mg/L	10	08/12/2021 17:31	180713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:23	180515
Barium	NELAP	0.0025		**0.116**	mg/L	1	08/06/2021 21:23	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:23	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 21:23	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:23	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:23	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:23	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:05	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 17:14	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:14	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 17:14	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 17:14	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 17:14	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:14	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.4**	%REC	1	08/07/2021 17:14	180524
Surr: Nitrobenzene-d5	*	15-163		**75.2**	%REC	1	08/07/2021 17:14	180524
Surr: p-Terphenyl-d14	*	10-173		**134.1**	%REC	1	08/07/2021 17:14	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 14:02	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:02	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:02	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 14:02	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.1**	%REC	1	08/06/2021 14:02	180546
Surr: 4-Bromofluorobenzene	*	80-120		**94.2**	%REC	1	08/06/2021 14:02	180546
Surr: Dibromofluoromethane	*	80-120		**104.9**	%REC	1	08/06/2021 14:02	180546
Surr: Toluene-d8	*	80-120		**96.1**	%REC	1	08/06/2021 14:02	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-005
Client Sample ID: UMW-108-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 8:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.028**	mg/L	1	08/11/2021 17:45	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:27	180515
Barium	NELAP	0.0025		**0.158**	mg/L	1	08/06/2021 21:27	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:27	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 21:27	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:27	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:27	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:27	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:07	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 17:53	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 17:53	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 17:53	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 17:53	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 17:53	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 17:53	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**83.1**	%REC	1	08/07/2021 17:53	180524
Surr: Nitrobenzene-d5	*	15-163		**83.5**	%REC	1	08/07/2021 17:53	180524
Surr: p-Terphenyl-d14	*	10-173		**120.5**	%REC	1	08/07/2021 17:53	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 14:27	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:27	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:27	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 14:27	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.9**	%REC	1	08/06/2021 14:27	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.1**	%REC	1	08/06/2021 14:27	180546
Surr: Dibromofluoromethane	*	80-120		**104.7**	%REC	1	08/06/2021 14:27	180546
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 14:27	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-006
Client Sample ID: UMW-109-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.024**	mg/L	1	08/11/2021 13:47	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:30	180515
Barium	NELAP	0.0025		**0.0957**	mg/L	1	08/06/2021 21:30	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:30	180515
Chromium	NELAP	0.0050		**0.0112**	mg/L	1	08/06/2021 21:30	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:30	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:30	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:30	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:09	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 18:32	180524
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/07/2021 18:32	180524
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/07/2021 18:32	180524
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/07/2021 18:32	180524
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/07/2021 18:32	180524
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/07/2021 18:32	180524
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.3**	%REC	1	08/07/2021 18:32	180524
Surr: Nitrobenzene-d5	*	15-163		**71.7**	%REC	1	08/07/2021 18:32	180524
Surr: p-Terphenyl-d14	*	10-173		**106.0**	%REC	1	08/07/2021 18:32	180524
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 14:53	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:53	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 14:53	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 14:53	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.3**	%REC	1	08/06/2021 14:53	180546
Surr: 4-Bromofluorobenzene	*	80-120		**94.1**	%REC	1	08/06/2021 14:53	180546
Surr: Dibromofluoromethane	*	80-120		**105.3**	%REC	1	08/06/2021 14:53	180546
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 14:53	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-007
Client Sample ID: UMW-111A-WG-20210802
Matrix: GROUNDWATER
Collection Date: 08/03/2021 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/12/2021 17:57	180713
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:34	180515
Barium	NELAP	0.0025		**0.0498**	mg/L	1	08/06/2021 21:34	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:34	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 21:34	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:34	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:34	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:34	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:12	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 11:51	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:51	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 11:51	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 11:51	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 11:51	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:51	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.2**	%REC	1	08/10/2021 11:51	180590
Surr: Nitrobenzene-d5	*	15-163		**78.5**	%REC	1	08/10/2021 11:51	180590
Surr: p-Terphenyl-d14	*	10-173		**118.0**	%REC	1	08/10/2021 11:51	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 15:19	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 15:19	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 15:19	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 15:19	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.8**	%REC	1	08/06/2021 15:19	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.2**	%REC	1	08/06/2021 15:19	180546
Surr: Dibromofluoromethane	*	80-120		**105.4**	%REC	1	08/06/2021 15:19	180546
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 15:19	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-008
Client Sample ID: UMW-116-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 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	08/12/2021 18:01	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:38	180515
Barium	NELAP	0.0025		**0.0671**	mg/L	1	08/06/2021 21:38	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:38	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 21:38	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:38	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:38	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:38	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:18	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 12:31	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 12:31	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 12:31	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 12:31	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 12:31	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 12:31	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.2**	%REC	1	08/10/2021 12:31	180590
Surr: Nitrobenzene-d5	*	15-163		**86.8**	%REC	1	08/10/2021 12:31	180590
Surr: p-Terphenyl-d14	*	10-173		**115.6**	%REC	1	08/10/2021 12:31	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 16:10	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 16:10	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 16:10	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 16:10	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.9**	%REC	1	08/06/2021 16:10	180546
Surr: 4-Bromofluorobenzene	*	80-120		**92.6**	%REC	1	08/06/2021 16:10	180546
Surr: Dibromofluoromethane	*	80-120		**104.4**	%REC	1	08/06/2021 16:10	180546
Surr: Toluene-d8	*	80-120		**94.3**	%REC	1	08/06/2021 16:10	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-009
Client Sample ID: UMW-117-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:11	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:42	180515
Barium	NELAP	0.0025		**0.125**	mg/L	1	08/06/2021 21:42	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:42	180515
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 21:42	180515
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 21:42	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:42	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:42	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:21	180525
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 13:11	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:11	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 13:11	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 13:11	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 13:11	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:11	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.4**	%REC	1	08/10/2021 13:11	180590
Surr: Nitrobenzene-d5	*	15-163		**76.7**	%REC	1	08/10/2021 13:11	180590
Surr: p-Terphenyl-d14	*	10-173		**103.5**	%REC	1	08/10/2021 13:11	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 16:36	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 16:36	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 16:36	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 16:36	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.6**	%REC	1	08/06/2021 16:36	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.4**	%REC	1	08/06/2021 16:36	180546
Surr: Dibromofluoromethane	*	80-120		**103.4**	%REC	1	08/06/2021 16:36	180546
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 16:36	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-010
Client Sample ID: UMW-118-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 11:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.031**	mg/L	1	08/12/2021 18:05	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 21:45	180515
Barium	NELAP	0.0025		**0.164**	mg/L	1	08/06/2021 21:45	180515
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 21:45	180515
Chromium	NELAP	0.0050		**0.0147**	mg/L	1	08/06/2021 21:45	180515
Lead	NELAP	0.0075		**0.0107**	mg/L	1	08/06/2021 21:45	180515
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 21:45	180515
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 21:45	180515
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:02	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 13:50	180590
Acenaphthylene	NELAP	0.000100		**0.000287**	mg/L	1	08/10/2021 13:50	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 13:50	180590
Benzo(a)anthracene	NELAP	0.000100		**0.000184**	mg/L	1	08/10/2021 13:50	180590
Benzo(a)pyrene	NELAP	0.000200		**0.000380**	mg/L	1	08/10/2021 13:50	180590
Benzo(b)fluoranthene	NELAP	0.000100		**0.000389**	mg/L	1	08/10/2021 13:50	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**0.000227**	mg/L	1	08/10/2021 13:50	180590
Benzo(k)fluoranthene	NELAP	0.000100		**0.000140**	mg/L	1	08/10/2021 13:50	180590
Chrysene	NELAP	0.000100		**0.000163**	mg/L	1	08/10/2021 13:50	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:50	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 13:50	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:50	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 13:50	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 13:50	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 13:50	180590
Pyrene	NELAP	0.000200		**0.00107**	mg/L	1	08/10/2021 13:50	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.4**	%REC	1	08/10/2021 13:50	180590
Surr: Nitrobenzene-d5	*	15-163		**79.4**	%REC	1	08/10/2021 13:50	180590
Surr: p-Terphenyl-d14	*	10-173		**98.2**	%REC	1	08/10/2021 13:50	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 17:02	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:02	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:02	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 17:02	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.7**	%REC	1	08/06/2021 17:02	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.9**	%REC	1	08/06/2021 17:02	180546
Surr: Dibromofluoromethane	*	80-120		**103.7**	%REC	1	08/06/2021 17:02	180546
Surr: Toluene-d8	*	80-120		**95.0**	%REC	1	08/06/2021 17:02	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-011
Client Sample ID: UMW-119-WG-20210802
Matrix: GROUNDWATER
Collection Date: 08/02/2021 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.034**	mg/L	1	08/12/2021 18:10	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:10	180522
Barium	NELAP	0.0025		**0.0852**	mg/L	1	08/06/2021 16:10	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:10	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:10	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:10	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:10	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:10	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:04	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 14:29	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 14:29	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 14:29	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 14:29	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 14:29	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 14:29	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.2**	%REC	1	08/10/2021 14:29	180590
Surr: Nitrobenzene-d5	*	15-163		**84.4**	%REC	1	08/10/2021 14:29	180590
Surr: p-Terphenyl-d14	*	10-173		**99.8**	%REC	1	08/10/2021 14:29	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 17:27	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:27	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:27	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 17:27	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.1**	%REC	1	08/06/2021 17:27	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.1**	%REC	1	08/06/2021 17:27	180546
Surr: Dibromofluoromethane	*	80-120		**104.6**	%REC	1	08/06/2021 17:27	180546
Surr: Toluene-d8	*	80-120		**94.6**	%REC	1	08/06/2021 17:27	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-012
Client Sample ID: UMW-120-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 8:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/16/2021 11:11	180781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:29	180522
Barium	NELAP	0.0025		**0.0478**	mg/L	1	08/06/2021 16:29	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:29	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:29	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:29	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:29	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:29	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:06	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 15:08	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:08	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 15:08	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 15:08	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 15:08	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:08	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**66.2**	%REC	1	08/10/2021 15:08	180590
Surr: Nitrobenzene-d5	*	15-163		**73.4**	%REC	1	08/10/2021 15:08	180590
Surr: p-Terphenyl-d14	*	10-173		**99.0**	%REC	1	08/10/2021 15:08	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 17:53	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:53	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:53	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 17:53	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**104.6**	%REC	1	08/06/2021 17:53	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.6**	%REC	1	08/06/2021 17:53	180546
Surr: Dibromofluoromethane	*	80-120		**105.0**	%REC	1	08/06/2021 17:53	180546
Surr: Toluene-d8	*	80-120		**95.5**	%REC	1	08/06/2021 17:53	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-013
Client Sample ID: UMW-121-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.010		**0.054**	mg/L	2	08/13/2021 10:30	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:33	180522
Barium	NELAP	0.0025		**0.0999**	mg/L	1	08/06/2021 16:33	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:33	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:33	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:33	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:33	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:33	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:08	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 15:47	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 15:47	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 15:47	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 15:47	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 15:47	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 15:47	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.5**	%REC	1	08/10/2021 15:47	180590
Surr: Nitrobenzene-d5	*	15-163		**79.3**	%REC	1	08/10/2021 15:47	180590
Surr: p-Terphenyl-d14	*	10-173		**95.4**	%REC	1	08/10/2021 15:47	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 18:19	180546
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 18:19	180546
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 18:19	180546
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 18:19	180546
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.4**	%REC	1	08/06/2021 18:19	180546
Surr: 4-Bromofluorobenzene	*	80-120		**93.7**	%REC	1	08/06/2021 18:19	180546
Surr: Dibromofluoromethane	*	80-120		**105.5**	%REC	1	08/06/2021 18:19	180546
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 18:19	180546

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-014
Client Sample ID: UMW-122-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.007**	mg/L	1	08/12/2021 18:23	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:36	180522
Barium	NELAP	0.0025		**0.0387**	mg/L	1	08/06/2021 16:36	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:36	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:36	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:36	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:36	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:36	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:11	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 16:25	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 16:25	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 16:25	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 16:25	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 16:25	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 16:25	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.1**	%REC	1	08/10/2021 16:25	180590
Surr: Nitrobenzene-d5	*	15-163		**80.8**	%REC	1	08/10/2021 16:25	180590
Surr: p-Terphenyl-d14	*	10-173		**99.1**	%REC	1	08/10/2021 16:25	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 23:21	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 23:21	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 23:21	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 23:21	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.5**	%REC	1	08/06/2021 23:21	180581
Surr: 4-Bromofluorobenzene	*	80-120		**110.0**	%REC	1	08/06/2021 23:21	180581
Surr: Dibromofluoromethane	*	80-120		**95.5**	%REC	1	08/06/2021 23:21	180581
Surr: Toluene-d8	*	80-120		**96.7**	%REC	1	08/06/2021 23:21	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-015
Client Sample ID: UMW-123-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/16/2021 11:15	180781
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:40	180522
Barium	NELAP	0.0025		**0.0236**	mg/L	1	08/06/2021 16:40	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:40	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:40	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:40	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:40	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:40	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:13	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 17:43	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:43	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 17:43	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 17:43	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 17:43	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:43	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.8**	%REC	1	08/10/2021 17:43	180590
Surr: Nitrobenzene-d5	*	15-163		**74.7**	%REC	1	08/10/2021 17:43	180590
Surr: p-Terphenyl-d14	*	10-173		**100.5**	%REC	1	08/10/2021 17:43	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 23:48	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 23:48	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 23:48	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 23:48	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.8**	%REC	1	08/06/2021 23:48	180581
Surr: 4-Bromofluorobenzene	*	80-120		**106.9**	%REC	1	08/06/2021 23:48	180581
Surr: Dibromofluoromethane	*	80-120		**93.1**	%REC	1	08/06/2021 23:48	180581
Surr: Toluene-d8	*	80-120		**95.3**	%REC	1	08/06/2021 23:48	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-016
Client Sample ID: UMW-124-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	08/12/2021 18:31	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:44	180522
Barium	NELAP	0.0125		**0.0315**	mg/L	5	08/09/2021 15:02	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:44	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:44	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:44	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:44	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:44	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:25	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000570**	mg/L	1	08/10/2021 20:19	180590
Acenaphthylene	NELAP	0.000100		**0.000373**	mg/L	1	08/10/2021 20:19	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 20:19	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:19	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:19	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:19	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:19	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:19	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:19	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:19	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 20:19	180590
Fluorene	NELAP	0.000200		**0.000209**	mg/L	1	08/10/2021 20:19	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:19	180590
Naphthalene	NELAP	0.0200		**0.0661**	mg/L	50	08/11/2021 17:38	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 20:19	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:19	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.8**	%REC	1	08/10/2021 20:19	180590
Surr: Nitrobenzene-d5	*	15-163		**90.8**	%REC	1	08/10/2021 20:19	180590
Surr: p-Terphenyl-d14	*	10-173		**94.3**	%REC	1	08/10/2021 20:19	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**92.0**	µg/L	1	08/07/2021 0:14	180581
Ethylbenzene	NELAP	2.0		**11.9**	µg/L	1	08/07/2021 0:14	180581
Toluene	NELAP	2.0		**70.7**	µg/L	1	08/07/2021 0:14	180581
Xylenes, Total	NELAP	4.0		**34.5**	µg/L	1	08/07/2021 0:14	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**118.2**	%REC	1	08/07/2021 0:14	180581
Surr: 4-Bromofluorobenzene	*	80-120		**105.8**	%REC	1	08/07/2021 0:14	180581
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	08/07/2021 0:14	180581
Surr: Toluene-d8	*	80-120		**97.6**	%REC	1	08/07/2021 0:14	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-017
Client Sample ID: UMW-125-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.041**	mg/L	1	08/12/2021 18:36	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:47	180522
Barium	NELAP	0.0050		**0.0180**	mg/L	2	08/09/2021 15:15	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:47	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:47	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:47	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:47	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:47	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:27	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 20:58	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 20:58	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 20:58	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 20:58	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 20:58	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 20:58	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.4**	%REC	1	08/10/2021 20:58	180590
Surr: Nitrobenzene-d5	*	15-163		**79.3**	%REC	1	08/10/2021 20:58	180590
Surr: p-Terphenyl-d14	*	10-173		**91.6**	%REC	1	08/10/2021 20:58	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**0.8**	µg/L	1	08/07/2021 0:40	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 0:40	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 0:40	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 0:40	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**110.5**	%REC	1	08/07/2021 0:40	180581
Surr: 4-Bromofluorobenzene	*	80-120		**109.0**	%REC	1	08/07/2021 0:40	180581
Surr: Dibromofluoromethane	*	80-120		**96.5**	%REC	1	08/07/2021 0:40	180581
Surr: Toluene-d8	*	80-120		**97.5**	%REC	1	08/07/2021 0:40	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-018
Client Sample ID: UMW-126-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 13:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:15	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:51	180522
Barium	NELAP	0.0050		**0.0298**	mg/L	2	08/09/2021 15:22	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:51	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:51	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:51	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:51	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:51	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:29	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 21:37	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 21:37	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 21:37	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Naphthalene	NELAP	0.000400		**0.000928**	mg/L	1	08/10/2021 21:37	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 21:37	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 21:37	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.1**	%REC	1	08/10/2021 21:37	180590
Surr: Nitrobenzene-d5	*	15-163		**76.0**	%REC	1	08/10/2021 21:37	180590
Surr: p-Terphenyl-d14	*	10-173		**104.7**	%REC	1	08/10/2021 21:37	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**80.3**	µg/L	1	08/07/2021 1:06	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:06	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:06	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 1:06	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**119.6**	%REC	1	08/07/2021 1:06	180581
Surr: 4-Bromofluorobenzene	*	80-120		**108.8**	%REC	1	08/07/2021 1:06	180581
Surr: Dibromofluoromethane	*	80-120		**95.4**	%REC	1	08/07/2021 1:06	180581
Surr: Toluene-d8	*	80-120		**97.4**	%REC	1	08/07/2021 1:06	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-019
Client Sample ID: UMW-127-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 12:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:20	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:55	180522
Barium	NELAP	0.0125		**0.136**	mg/L	5	08/09/2021 15:26	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:55	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:55	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:55	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:55	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:55	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:32	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000194**	mg/L	1	08/10/2021 22:16	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:16	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 22:16	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:16	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:16	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:16	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:16	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 22:16	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Naphthalene	NELAP	0.000400		**0.00201**	mg/L	1	08/10/2021 22:16	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 22:16	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:16	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.2**	%REC	1	08/10/2021 22:16	180590
Surr: Nitrobenzene-d5	*	15-163		**90.3**	%REC	1	08/10/2021 22:16	180590
Surr: p-Terphenyl-d14	*	10-173		**97.2**	%REC	1	08/10/2021 22:16	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.4**	µg/L	1	08/07/2021 1:33	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:33	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:33	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 1:33	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**111.1**	%REC	1	08/07/2021 1:33	180581
Surr: 4-Bromofluorobenzene	*	80-120		**107.2**	%REC	1	08/07/2021 1:33	180581
Surr: Dibromofluoromethane	*	80-120		**96.3**	%REC	1	08/07/2021 1:33	180581
Surr: Toluene-d8	*	80-120		**96.5**	%REC	1	08/07/2021 1:33	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-020
Client Sample ID: UMW-300-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:28	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 16:59	180522
Barium	NELAP	0.0025		**0.0862**	mg/L	1	08/06/2021 16:59	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 16:59	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 16:59	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 16:59	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 16:59	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 16:59	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:34	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 22:55	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 22:55	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 22:55	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 22:55	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 22:55	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 22:55	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.4**	%REC	1	08/10/2021 22:55	180590
Surr: Nitrobenzene-d5	*	15-163		**81.1**	%REC	1	08/10/2021 22:55	180590
Surr: p-Terphenyl-d14	*	10-173		**101.9**	%REC	1	08/10/2021 22:55	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 1:59	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:59	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 1:59	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 1:59	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.3**	%REC	1	08/07/2021 1:59	180581
Surr: 4-Bromofluorobenzene	*	80-120		**107.5**	%REC	1	08/07/2021 1:59	180581
Surr: Dibromofluoromethane	*	80-120		**95.1**	%REC	1	08/07/2021 1:59	180581
Surr: Toluene-d8	*	80-120		**98.1**	%REC	1	08/07/2021 1:59	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-021
Client Sample ID: UMW-301R-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:33	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:17	180522
Barium	NELAP	0.0025		**0.0753**	mg/L	1	08/06/2021 17:17	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:17	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:17	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:17	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:17	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:17	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:36	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00346**	mg/L	1	08/10/2021 23:34	180590
Acenaphthylene	NELAP	0.000100		**0.00337**	mg/L	1	08/10/2021 23:34	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 23:34	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 23:34	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 23:34	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 23:34	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 23:34	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 23:34	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 23:34	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 23:34	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 23:34	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.7**	%REC	1	08/10/2021 23:34	180590
Surr: Nitrobenzene-d5	*	15-163		**89.4**	%REC	1	08/10/2021 23:34	180590
Surr: p-Terphenyl-d14	*	10-173		**119.1**	%REC	1	08/10/2021 23:34	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 2:25	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 2:25	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 2:25	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 2:25	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**110.8**	%REC	1	08/07/2021 2:25	180581
Surr: 4-Bromofluorobenzene	*	80-120		**106.8**	%REC	1	08/07/2021 2:25	180581
Surr: Dibromofluoromethane	*	80-120		**96.6**	%REC	1	08/07/2021 2:25	180581
Surr: Toluene-d8	*	80-120		**95.8**	%REC	1	08/07/2021 2:25	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-022
Client Sample ID: UMW-302-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 15:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.073**	mg/L	5	08/12/2021 14:16	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:21	180522
Barium	NELAP	0.0025		**0.0527**	mg/L	1	08/06/2021 17:21	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:21	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:21	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:21	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:21	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:21	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:38	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000691**	mg/L	1	08/11/2021 0:13	180590
Acenaphthylene	NELAP	0.000100		**0.000585**	mg/L	1	08/11/2021 0:13	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 0:13	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:13	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:13	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:13	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:13	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 0:13	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Naphthalene	NELAP	0.400		**2.59**	mg/L	1000	08/11/2021 18:17	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 0:13	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:13	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**114.5**	%REC	1	08/11/2021 0:13	180590
Surr: Nitrobenzene-d5	*	15-163		**111.2**	%REC	1	08/11/2021 0:13	180590
Surr: p-Terphenyl-d14	*	10-173		**96.3**	%REC	1	08/11/2021 0:13	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**316**	µg/L	10	08/07/2021 2:51	180581
Ethylbenzene	NELAP	20.0		**804**	µg/L	10	08/07/2021 2:51	180581
Toluene	NELAP	20.0		**ND**	µg/L	10	08/07/2021 2:51	180581
Xylenes, Total	NELAP	40.0		**205**	µg/L	10	08/07/2021 2:51	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**113.2**	%REC	10	08/07/2021 2:51	180581
Surr: 4-Bromofluorobenzene	*	80-120		**104.7**	%REC	10	08/07/2021 2:51	180581
Surr: Dibromofluoromethane	*	80-120		**96.4**	%REC	10	08/07/2021 2:51	180581
Surr: Toluene-d8	*	80-120		**96.7**	%REC	10	08/07/2021 2:51	180581

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

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-023
Client Sample ID: UMW-303-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:41	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:25	180522
Barium	NELAP	0.0025		**0.0407**	mg/L	1	08/06/2021 17:25	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:25	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:25	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:25	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:25	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:25	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:41	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 0:52	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 0:52	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 0:52	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Naphthalene	NELAP	0.000400		**0.00256**	mg/L	1	08/11/2021 0:52	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 0:52	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 0:52	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.7**	%REC	1	08/11/2021 0:52	180590
Surr: Nitrobenzene-d5	*	15-163		**77.5**	%REC	1	08/11/2021 0:52	180590
Surr: p-Terphenyl-d14	*	10-173		**99.2**	%REC	1	08/11/2021 0:52	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 3:18	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 3:18	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 3:18	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 3:18	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**110.3**	%REC	1	08/07/2021 3:18	180581
Surr: 4-Bromofluorobenzene	*	80-120		**108.9**	%REC	1	08/07/2021 3:18	180581
Surr: Dibromofluoromethane	*	80-120		**95.5**	%REC	1	08/07/2021 3:18	180581
Surr: Toluene-d8	*	80-120		**96.5**	%REC	1	08/07/2021 3:18	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-024
Client Sample ID: UMW-304R-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 9:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 18:50	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:28	180522
Barium	NELAP	0.0025		**0.0749**	mg/L	1	08/06/2021 17:28	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:28	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:28	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:28	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:28	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:28	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:43	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000329**	mg/L	1	08/11/2021 11:47	180653
Acenaphthylene	NELAP	0.000100		**0.000834**	mg/L	1	08/11/2021 11:47	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 11:47	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 11:47	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 11:47	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 11:47	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 11:47	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 11:47	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/11/2021 11:47	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 11:47	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 11:47	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.7**	%REC	1	08/11/2021 11:47	180653
Surr: Nitrobenzene-d5	*	15-163		**74.3**	%REC	1	08/11/2021 11:47	180653
Surr: p-Terphenyl-d14	*	10-173		**103.3**	%REC	1	08/11/2021 11:47	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 3:44	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 3:44	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 3:44	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 3:44	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**111.3**	%REC	1	08/07/2021 3:44	180581
Surr: 4-Bromofluorobenzene	*	80-120		**107.2**	%REC	1	08/07/2021 3:44	180581
Surr: Dibromofluoromethane	*	80-120		**95.5**	%REC	1	08/07/2021 3:44	180581
Surr: Toluene-d8	*	80-120		**96.1**	%REC	1	08/07/2021 3:44	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-025
Client Sample ID: UMW-305-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 8:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.011**	mg/L	1	08/11/2021 16:05	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:32	180522
Barium	NELAP	0.0025		**0.106**	mg/L	1	08/06/2021 17:32	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:32	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:32	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:32	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:32	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:32	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:45	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 15:41	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:41	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 15:41	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/11/2021 15:41	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 15:41	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:41	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.2**	%REC	1	08/11/2021 15:41	180653
Surr: Nitrobenzene-d5	*	15-163		**82.2**	%REC	1	08/11/2021 15:41	180653
Surr: p-Terphenyl-d14	*	10-173		**110.0**	%REC	1	08/11/2021 15:41	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 17:41	180545
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:41	180545
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 17:41	180545
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 17:41	180545
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.5**	%REC	1	08/06/2021 17:41	180545
Surr: 4-Bromofluorobenzene	*	80-120		**108.3**	%REC	1	08/06/2021 17:41	180545
Surr: Dibromofluoromethane	*	80-120		**95.8**	%REC	1	08/06/2021 17:41	180545
Surr: Toluene-d8	*	80-120		**97.8**	%REC	1	08/06/2021 17:41	180545

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-026
Client Sample ID: UMW-306-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	08/11/2021 18:54	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:43	180522
Barium	NELAP	0.0025		**0.113**	mg/L	1	08/06/2021 17:43	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:43	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:43	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:43	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:43	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:43	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:57	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 11:11	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 11:11	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 11:11	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 11:11	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 11:11	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 11:11	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.0**	%REC	1	08/10/2021 11:11	180590
Surr: Nitrobenzene-d5	*	15-163		**79.2**	%REC	1	08/10/2021 11:11	180590
Surr: p-Terphenyl-d14	*	10-173		**98.5**	%REC	1	08/10/2021 11:11	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 4:10	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 4:10	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 4:10	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 4:10	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**111.3**	%REC	1	08/07/2021 4:10	180581
Surr: 4-Bromofluorobenzene	*	80-120		**109.1**	%REC	1	08/07/2021 4:10	180581
Surr: Dibromofluoromethane	*	80-120		**96.7**	%REC	1	08/07/2021 4:10	180581
Surr: Toluene-d8	*	80-120		**95.8**	%REC	1	08/07/2021 4:10	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-027
Client Sample ID: UMW-307-WG-20210803
Matrix: GROUNDWATER
Collection Date: 08/03/2021 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.069**	mg/L	5	08/12/2021 19:02	180714
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 18:06	180522
Barium	NELAP	0.0025		**0.117**	mg/L	1	08/06/2021 18:06	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 18:06	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 18:06	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 18:06	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 18:06	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 18:06	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:28	180527
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 1:31	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 1:31	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 1:31	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/11/2021 1:31	180590
Phenanthrene	NELAP	0.000600	SR	**ND**	mg/L	1	08/11/2021 1:31	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 1:31	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.1**	%REC	1	08/11/2021 1:31	180590
Surr: Nitrobenzene-d5	*	15-163		**77.9**	%REC	1	08/11/2021 1:31	180590
Surr: p-Terphenyl-d14	*	10-173		**101.9**	%REC	1	08/11/2021 1:31	180590
Matrix spike and RPD for MS/MSD 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	08/07/2021 4:36	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 4:36	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 4:36	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 4:36	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**113.2**	%REC	1	08/07/2021 4:36	180581
Surr: 4-Bromofluorobenzene	*	80-120		**108.1**	%REC	1	08/07/2021 4:36	180581
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	08/07/2021 4:36	180581
Surr: Toluene-d8	*	80-120		**97.0**	%REC	1	08/07/2021 4:36	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-028
Client Sample ID: UMW-308-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.017**	mg/L	1	08/11/2021 18:59	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 17:47	180522
Barium	NELAP	0.0025		**0.127**	mg/L	1	08/06/2021 17:47	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 17:47	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 17:47	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 17:47	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 17:47	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 17:47	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 10:59	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 12:26	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 12:26	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 12:26	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/11/2021 12:26	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 12:26	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 12:26	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**44.2**	%REC	1	08/11/2021 12:26	180653
Surr: Nitrobenzene-d5	*	15-163		**59.3**	%REC	1	08/11/2021 12:26	180653
Surr: p-Terphenyl-d14	*	10-173		**73.1**	%REC	1	08/11/2021 12:26	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/07/2021 5:55	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 5:55	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 5:55	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 5:55	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**112.9**	%REC	1	08/07/2021 5:55	180581
Surr: 4-Bromofluorobenzene	*	80-120		**108.4**	%REC	1	08/07/2021 5:55	180581
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	08/07/2021 5:55	180581
Surr: Toluene-d8	*	80-120		**96.8**	%REC	1	08/07/2021 5:55	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-029
Client Sample ID: DUP 001-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 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	08/11/2021 19:25	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 18:17	180522
Barium	NELAP	0.0050		**0.0300**	mg/L	2	08/09/2021 15:56	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 18:17	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 18:17	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 18:17	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 18:17	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 18:17	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 11:01	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 13:04	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:04	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 13:04	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Naphthalene	NELAP	0.000400		**0.000733**	mg/L	1	08/11/2021 13:04	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 13:04	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:04	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**56.6**	%REC	1	08/11/2021 13:04	180653
Surr: Nitrobenzene-d5	*	15-163		**74.0**	%REC	1	08/11/2021 13:04	180653
Surr: p-Terphenyl-d14	*	10-173		**86.0**	%REC	1	08/11/2021 13:04	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**78.5**	µg/L	1	08/07/2021 6:21	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 6:21	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/07/2021 6:21	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/07/2021 6:21	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**115.0**	%REC	1	08/07/2021 6:21	180581
Surr: 4-Bromofluorobenzene	*	80-120		**106.8**	%REC	1	08/07/2021 6:21	180581
Surr: Dibromofluoromethane	*	80-120		**95.4**	%REC	1	08/07/2021 6:21	180581
Surr: Toluene-d8	*	80-120		**96.7**	%REC	1	08/07/2021 6:21	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-030
Client Sample ID: DUP 002-WG-20210804
Matrix: GROUNDWATER
Collection Date: 08/04/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	08/11/2021 19:29	180633
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 18:54	180523
Barium	NELAP	0.0125		**0.0320**	mg/L	5	08/09/2021 16:00	180523
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 18:54	180523
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 18:54	180523
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 18:54	180523
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 18:54	180523
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 18:54	180523
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 11:04	180526
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000502**	mg/L	1	08/11/2021 13:43	180653
Acenaphthylene	NELAP	0.000100		**0.000348**	mg/L	1	08/11/2021 13:43	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 13:43	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:43	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:43	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:43	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 13:43	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 13:43	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Naphthalene	NELAP	0.0100		**0.0657**	mg/L	25	08/11/2021 18:56	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 13:43	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 13:43	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.2**	%REC	1	08/11/2021 13:43	180653
Surr: Nitrobenzene-d5	*	15-163		**90.4**	%REC	1	08/11/2021 13:43	180653
Surr: p-Terphenyl-d14	*	10-173		**104.4**	%REC	1	08/11/2021 13:43	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**97.1**	µg/L	1	08/07/2021 6:47	180581
Ethylbenzene	NELAP	2.0		**12.6**	µg/L	1	08/07/2021 6:47	180581
Toluene	NELAP	2.0		**75.5**	µg/L	1	08/07/2021 6:47	180581
Xylenes, Total	NELAP	4.0		**36.4**	µg/L	1	08/07/2021 6:47	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**120.0**	%REC	1	08/07/2021 6:47	180581
Surr: 4-Bromofluorobenzene	*	80-120		**105.7**	%REC	1	08/07/2021 6:47	180581
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	08/07/2021 6:47	180581
Surr: Toluene-d8	*	80-120		**97.9**	%REC	1	08/07/2021 6:47	180581

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

Lab ID: 21080373-031 **Client Sample ID:** DUP 003-WG-20210804

Matrix: GROUNDWATER **Collection Date:** 08/04/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.079**	mg/L	5	08/11/2021 21:52	180634
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 18:35	180523
Barium	NELAP	0.0025		**0.0510**	mg/L	1	08/06/2021 18:35	180523
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 18:35	180523
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 18:35	180523
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 18:35	180523
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 18:35	180523
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 18:35	180523
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:35	180527
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000824**	mg/L	1	08/11/2021 14:22	180653
Acenaphthylene	NELAP	0.000100		**0.000621**	mg/L	1	08/11/2021 14:22	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 14:22	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 14:22	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 14:22	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 14:22	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 14:22	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 14:22	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Naphthalene	NELAP	0.400		**2.56**	mg/L	1000	08/11/2021 19:35	180653
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 14:22	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 14:22	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**118.7**	%REC	1	08/11/2021 14:22	180653
Surr: Nitrobenzene-d5	*	15-163		**83.1**	%REC	1	08/11/2021 14:22	180653
Surr: p-Terphenyl-d14	*	10-173		**94.2**	%REC	1	08/11/2021 14:22	180653
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**319**	µg/L	10	08/06/2021 15:02	180556
Ethylbenzene	NELAP	20.0		**804**	µg/L	10	08/06/2021 15:02	180556
Toluene	NELAP	20.0		**ND**	µg/L	10	08/06/2021 15:02	180556
Xylenes, Total	NELAP	40.0		**244**	µg/L	10	08/06/2021 15:02	180556
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.2**	%REC	10	08/06/2021 15:02	180556
Surr: 4-Bromofluorobenzene	*	80-120		**96.9**	%REC	10	08/06/2021 15:02	180556
Surr: Dibromofluoromethane	*	80-120		**101.0**	%REC	10	08/06/2021 15:02	180556
Surr: Toluene-d8	*	80-120		**99.0**	%REC	10	08/06/2021 15:02	180556

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

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-032
Client Sample ID: EB-01-WQ-20210802
Matrix: AQUEOUS
Collection Date: 08/02/2021 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	08/11/2021 19:34	180634
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 18:20	180522
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	08/06/2021 18:20	180522
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 18:20	180522
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 18:20	180522
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 18:20	180522
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 18:20	180522
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 18:20	180522
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:37	180527
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 17:04	180590
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/10/2021 17:04	180590
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/10/2021 17:04	180590
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	08/10/2021 17:04	180590
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/10/2021 17:04	180590
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/10/2021 17:04	180590
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.9**	%REC	1	08/10/2021 17:04	180590
Surr: Nitrobenzene-d5	*	15-163		**69.9**	%REC	1	08/10/2021 17:04	180590
Surr: p-Terphenyl-d14	*	10-173		**107.5**	%REC	1	08/10/2021 17:04	180590
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 22:03	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:03	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:03	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 22:03	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**108.6**	%REC	1	08/06/2021 22:03	180581
Surr: 4-Bromofluorobenzene	*	80-120		**107.9**	%REC	1	08/06/2021 22:03	180581
Surr: Dibromofluoromethane	*	80-120		**95.5**	%REC	1	08/06/2021 22:03	180581
Surr: Toluene-d8	*	80-120		**95.2**	%REC	1	08/06/2021 22:03	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-033
Client Sample ID: TB-01-WQ-20210802
Matrix: TRIP BLANK
Collection Date: 08/05/2021 13:49

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	08/06/2021 22:29	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:29	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:29	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 22:29	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.6**	%REC	1	08/06/2021 22:29	180581
Surr: 4-Bromofluorobenzene	*	80-120		**110.3**	%REC	1	08/06/2021 22:29	180581
Surr: Dibromofluoromethane	*	80-120		**95.2**	%REC	1	08/06/2021 22:29	180581
Surr: Toluene-d8	*	80-120		**96.3**	%REC	1	08/06/2021 22:29	180581

Client: ERM
Work Order: 21080373
Client Project: Champaign GW
Report Date: 30-Aug-21
Lab ID: 21080373-034
Client Sample ID: EB-02-WQ-20210804
Matrix: AQUEOUS
Collection Date: 08/04/2021 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	08/11/2021 19:42	180634
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	08/06/2021 19:05	180523
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	08/06/2021 19:05	180523
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	08/06/2021 19:05	180523
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	08/06/2021 19:05	180523
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	08/06/2021 19:05	180523
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	08/06/2021 19:05	180523
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	08/06/2021 19:05	180523
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	08/06/2021 12:40	180527
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Anthracene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 15:01	180653
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Chrysene	NELAP	0.000100		**ND**	mg/L	1	08/11/2021 15:01	180653
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	08/11/2021 15:01	180653
Fluorene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Naphthalene	NELAP	0.000400	H	**ND**	mg/L	1	08/30/2021 12:10	181284
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	08/11/2021 15:01	180653
Pyrene	NELAP	0.000200		**ND**	mg/L	1	08/11/2021 15:01	180653
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.8**	%REC	1	08/11/2021 15:01	180653
Surr: Nitrobenzene-d5	*	15-163		**78.4**	%REC	1	08/11/2021 15:01	180653
Surr: p-Terphenyl-d14	*	10-173		**103.3**	%REC	1	08/11/2021 15:01	180653
Sample required re-extraction out of hold time.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	08/06/2021 22:55	180581
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:55	180581
Toluene	NELAP	2.0		**ND**	µg/L	1	08/06/2021 22:55	180581
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	08/06/2021 22:55	180581
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.2**	%REC	1	08/06/2021 22:55	180581
Surr: 4-Bromofluorobenzene	*	80-120		**107.6**	%REC	1	08/06/2021 22:55	180581
Surr: Dibromofluoromethane	*	80-120		**95.3**	%REC	1	08/06/2021 22:55	180581
Surr: Toluene-d8	*	80-120		**95.2**	%REC	1	08/06/2021 22:55	180581

Client: ERM
Client Project: Champaign GW

Work Order: 21080373
Report Date: 30-Aug-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21080373-001	UMW-102-WG-20210802	Groundwater	4	08/02/2021 14:35
21080373-002	UMW-105-WG-20210804	Groundwater	4	08/04/2021 11:05
21080373-003	UMW-106R-WG-20210803	Groundwater	4	08/03/2021 13:40
21080373-004	UMW-107R-WG-20210803	Groundwater	4	08/03/2021 12:10
21080373-005	UMW-108-WG-20210803	Groundwater	4	08/03/2021 8:20
21080373-006	UMW-109-WG-20210803	Groundwater	4	08/03/2021 10:40
21080373-007	UMW-111A-WG-20210802	Groundwater	4	08/03/2021 15:45
21080373-008	UMW-116-WG-20210803	Groundwater	4	08/03/2021 13:00
21080373-009	UMW-117-WG-20210803	Groundwater	4	08/03/2021 9:30
21080373-010	UMW-118-WG-20210803	Groundwater	4	08/03/2021 11:30
21080373-011	UMW-119-WG-20210802	Groundwater	4	08/02/2021 15:45
21080373-012	UMW-120-WG-20210803	Groundwater	4	08/03/2021 8:05
21080373-013	UMW-121-WG-20210804	Groundwater	4	08/04/2021 15:15
21080373-014	UMW-122-WG-20210803	Groundwater	4	08/03/2021 15:00
21080373-015	UMW-123-WG-20210803	Groundwater	4	08/03/2021 13:45
21080373-016	UMW-124-WG-20210804	Groundwater	4	08/04/2021 14:15
21080373-017	UMW-125-WG-20210804	Groundwater	4	08/04/2021 8:00
21080373-018	UMW-126-WG-20210804	Groundwater	4	08/04/2021 13:10
21080373-019	UMW-127-WG-20210804	Groundwater	4	08/04/2021 12:55
21080373-020	UMW-300-WG-20210803	Groundwater	4	08/03/2021 9:30
21080373-021	UMW-301R-WG-20210804	Groundwater	4	08/04/2021 10:15
21080373-022	UMW-302-WG-20210804	Groundwater	4	08/04/2021 15:20
21080373-023	UMW-303-WG-20210803	Groundwater	4	08/03/2021 10:50
21080373-024	UMW-304R-WG-20210804	Groundwater	4	08/04/2021 9:05
21080373-025	UMW-305-WG-20210804	Groundwater	4	08/04/2021 8:20
21080373-026	UMW-306-WG-20210804	Groundwater	4	08/04/2021 9:50
21080373-027	UMW-307-WG-20210803	Groundwater	4	08/03/2021 15:05
21080373-028	UMW-308-WG-20210804	Groundwater	4	08/04/2021 14:05
21080373-029	DUP 001-WG-20210804	Groundwater	4	08/04/2021 0:00
21080373-030	DUP 002-WG-20210804	Groundwater	4	08/04/2021 0:00
21080373-031	DUP 003-WG-20210804	Groundwater	4	08/04/2021 0:00
21080373-032	EB-01-WQ-20210802	Aqueous	4	08/02/2021 12:30
21080373-033	TB-01-WQ-20210802	Trip Blank	1	08/05/2021 13:49
21080373-034	EB-02-WQ-20210804	Aqueous	4	08/04/2021 7:00

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21080373-001A	UMW-102-WG-20210802	08/02/2021 14:35	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 15:17
21080373-001B	UMW-102-WG-20210802	08/02/2021 14:35	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 20:42
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 11:53
21080373-001C	UMW-102-WG-20210802	08/02/2021 14:35	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 17:18
21080373-001D	UMW-102-WG-20210802	08/02/2021 14:35	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 12:45
21080373-002A	UMW-105-WG-20210804	08/04/2021 11:05	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 15:56
21080373-002B	UMW-105-WG-20210804	08/04/2021 11:05	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 20:53
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 11:56
21080373-002C	UMW-105-WG-20210804	08/04/2021 11:05	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 17:22
21080373-002D	UMW-105-WG-20210804	08/04/2021 11:05	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 13:10
21080373-003A	UMW-106R-WG-20210803	08/03/2021 13:40	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 16:35
21080373-003B	UMW-106R-WG-20210803	08/03/2021 13:40	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 20:57
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 11:58
21080373-003C	UMW-106R-WG-20210803	08/03/2021 13:40	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 17:26
21080373-003D	UMW-106R-WG-20210803	08/03/2021 13:40	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 13:36
21080373-004A	UMW-107R-WG-20210803	08/03/2021 12:10	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 17:14
21080373-004B	UMW-107R-WG-20210803	08/03/2021 12:10	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:23
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:05
21080373-004C	UMW-107R-WG-20210803	08/03/2021 12:10	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 17:31
21080373-004D	UMW-107R-WG-20210803	08/03/2021 12:10	08/05/2021 13:49		

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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				08/06/2021 14:02
21080373-005A	UMW-108-WG-20210803	08/03/2021 8:20	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 17:53
21080373-005B	UMW-108-WG-20210803	08/03/2021 8:20	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:27
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:07
21080373-005C	UMW-108-WG-20210803	08/03/2021 8:20	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 17:45
21080373-005D	UMW-108-WG-20210803	08/03/2021 8:20	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 14:27
21080373-006A	UMW-109-WG-20210803	08/03/2021 10:40	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/06/2021 13:17	08/07/2021 18:32
21080373-006B	UMW-109-WG-20210803	08/03/2021 10:40	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:30
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:09
21080373-006C	UMW-109-WG-20210803	08/03/2021 10:40	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 13:47
21080373-006D	UMW-109-WG-20210803	08/03/2021 10:40	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 14:53
21080373-007A	UMW-111A-WG-20210802	08/03/2021 15:45	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 11:51
21080373-007B	UMW-111A-WG-20210802	08/03/2021 15:45	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:34
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:12
21080373-007C	UMW-111A-WG-20210802	08/03/2021 15:45	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 17:57
21080373-007D	UMW-111A-WG-20210802	08/03/2021 15:45	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 15:19
21080373-008A	UMW-116-WG-20210803	08/03/2021 13:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 12:31
21080373-008B	UMW-116-WG-20210803	08/03/2021 13:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:38
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:18
21080373-008C	UMW-116-WG-20210803	08/03/2021 13:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 18:01

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21080373-008D	UMW-116-WG-20210803	08/03/2021 13:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 16:10
21080373-009A	UMW-117-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 13:11
21080373-009B	UMW-117-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:42
	SW-846 7470A (Total)			08/05/2021 17:39	08/06/2021 12:21
21080373-009C	UMW-117-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:11
21080373-009D	UMW-117-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 16:36
21080373-010A	UMW-118-WG-20210803	08/03/2021 11:30	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 13:50
21080373-010B	UMW-118-WG-20210803	08/03/2021 11:30	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 14:58	08/06/2021 21:45
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:02
21080373-010C	UMW-118-WG-20210803	08/03/2021 11:30	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 18:05
21080373-010D	UMW-118-WG-20210803	08/03/2021 11:30	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 17:02
21080373-011A	UMW-119-WG-20210802	08/02/2021 15:45	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 14:29
21080373-011B	UMW-119-WG-20210802	08/02/2021 15:45	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:10
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:04
21080373-011C	UMW-119-WG-20210802	08/02/2021 15:45	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 18:10
21080373-011D	UMW-119-WG-20210802	08/02/2021 15:45	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 17:27
21080373-012A	UMW-120-WG-20210803	08/03/2021 8:05	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 15:08
21080373-012B	UMW-120-WG-20210803	08/03/2021 8:05	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:29
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:06
21080373-012C	UMW-120-WG-20210803	08/03/2021 8:05	08/05/2021 13:49		

Client: ERM **Work Order:** 21080373

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			08/13/2021 14:41	08/16/2021 11:11
21080373-012D	UMW-120-WG-20210803	08/03/2021 8:05	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 17:53
21080373-013A	UMW-121-WG-20210804	08/04/2021 15:15	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 15:47
21080373-013B	UMW-121-WG-20210804	08/04/2021 15:15	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:33
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:08
21080373-013C	UMW-121-WG-20210804	08/04/2021 15:15	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/13/2021 10:30
21080373-013D	UMW-121-WG-20210804	08/04/2021 15:15	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 18:19
21080373-014A	UMW-122-WG-20210803	08/03/2021 15:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 16:25
21080373-014B	UMW-122-WG-20210803	08/03/2021 15:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:36
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:11
21080373-014C	UMW-122-WG-20210803	08/03/2021 15:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 18:23
21080373-014D	UMW-122-WG-20210803	08/03/2021 15:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 23:21
21080373-015A	UMW-123-WG-20210803	08/03/2021 13:45	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 17:43
21080373-015B	UMW-123-WG-20210803	08/03/2021 13:45	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:40
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:13
21080373-015C	UMW-123-WG-20210803	08/03/2021 13:45	08/05/2021 13:49		
	SW-846 9012A (Total)			08/13/2021 14:41	08/16/2021 11:15
21080373-015D	UMW-123-WG-20210803	08/03/2021 13:45	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 23:48
21080373-016A	UMW-124-WG-20210804	08/04/2021 14:15	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 20:19
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/11/2021 17:38
21080373-016B	UMW-124-WG-20210804	08/04/2021 14:15	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:44

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/09/2021 15:02
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:25
21080373-016C	UMW-124-WG-20210804	08/04/2021 14:15	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 10:24	08/12/2021 18:31
21080373-016D	UMW-124-WG-20210804	08/04/2021 14:15	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 0:14
21080373-017A	UMW-125-WG-20210804	08/04/2021 8:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 20:58
21080373-017B	UMW-125-WG-20210804	08/04/2021 8:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/09/2021 15:15
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:27
21080373-017C	UMW-125-WG-20210804	08/04/2021 8:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 13:08	08/12/2021 18:36
21080373-017D	UMW-125-WG-20210804	08/04/2021 8:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 0:40
21080373-018A	UMW-126-WG-20210804	08/04/2021 13:10	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 21:37
21080373-018B	UMW-126-WG-20210804	08/04/2021 13:10	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:51
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/09/2021 15:22
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:29
21080373-018C	UMW-126-WG-20210804	08/04/2021 13:10	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:15
21080373-018D	UMW-126-WG-20210804	08/04/2021 13:10	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 1:06
21080373-019A	UMW-127-WG-20210804	08/04/2021 12:55	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 22:16
21080373-019B	UMW-127-WG-20210804	08/04/2021 12:55	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:55
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/09/2021 15:26
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:32
21080373-019C	UMW-127-WG-20210804	08/04/2021 12:55	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:20
21080373-019D	UMW-127-WG-20210804	08/04/2021 12:55	08/05/2021 13:49		

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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				08/07/2021 1:33
21080373-020A	UMW-300-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 22:55
21080373-020B	UMW-300-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 16:59
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:34
21080373-020C	UMW-300-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:28
21080373-020D	UMW-300-WG-20210803	08/03/2021 9:30	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 1:59
21080373-021A	UMW-301R-WG-20210804	08/04/2021 10:15	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/10/2021 23:34
21080373-021B	UMW-301R-WG-20210804	08/04/2021 10:15	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:17
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:36
21080373-021C	UMW-301R-WG-20210804	08/04/2021 10:15	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:33
21080373-021D	UMW-301R-WG-20210804	08/04/2021 10:15	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 2:25
21080373-022A	UMW-302-WG-20210804	08/04/2021 15:20	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/11/2021 0:13
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/11/2021 18:17
21080373-022B	UMW-302-WG-20210804	08/04/2021 15:20	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:21
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:38
21080373-022C	UMW-302-WG-20210804	08/04/2021 15:20	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/12/2021 14:16
21080373-022D	UMW-302-WG-20210804	08/04/2021 15:20	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 2:51
21080373-023A	UMW-303-WG-20210803	08/03/2021 10:50	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/11/2021 0:52
21080373-023B	UMW-303-WG-20210803	08/03/2021 10:50	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:25
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:41
21080373-023C	UMW-303-WG-20210803	08/03/2021 10:50	08/05/2021 13:49		

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:41
21080373-023D	UMW-303-WG-20210803	08/03/2021 10:50	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 3:18
21080373-024A	UMW-304R-WG-20210804	08/04/2021 9:05	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 11:47
21080373-024B	UMW-304R-WG-20210804	08/04/2021 9:05	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:28
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:43
21080373-024C	UMW-304R-WG-20210804	08/04/2021 9:05	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:50
21080373-024D	UMW-304R-WG-20210804	08/04/2021 9:05	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 3:44
21080373-025A	UMW-305-WG-20210804	08/04/2021 8:20	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 15:41
21080373-025B	UMW-305-WG-20210804	08/04/2021 8:20	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:32
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:45
21080373-025C	UMW-305-WG-20210804	08/04/2021 8:20	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 16:05
21080373-025D	UMW-305-WG-20210804	08/04/2021 8:20	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 17:41
21080373-026A	UMW-306-WG-20210804	08/04/2021 9:50	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 18:19	08/10/2021 11:11
21080373-026B	UMW-306-WG-20210804	08/04/2021 9:50	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:43
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:57
21080373-026C	UMW-306-WG-20210804	08/04/2021 9:50	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:54
21080373-026D	UMW-306-WG-20210804	08/04/2021 9:50	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 4:10
21080373-027A	UMW-307-WG-20210803	08/03/2021 15:05	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 15:02	08/11/2021 1:31
21080373-027B	UMW-307-WG-20210803	08/03/2021 15:05	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 18:06
	SW-846 7470A (Total)			08/05/2021 17:50	08/06/2021 12:28

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21080373-027C	UMW-307-WG-20210803	08/03/2021 15:05	08/05/2021 13:49		
	SW-846 9012A (Total)			08/12/2021 13:08	08/12/2021 19:02
21080373-027D	UMW-307-WG-20210803	08/03/2021 15:05	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 4:36
21080373-028A	UMW-308-WG-20210804	08/04/2021 14:05	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 12:26
21080373-028B	UMW-308-WG-20210804	08/04/2021 14:05	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 17:47
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 10:59
21080373-028C	UMW-308-WG-20210804	08/04/2021 14:05	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 18:59
21080373-028D	UMW-308-WG-20210804	08/04/2021 14:05	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 5:55
21080373-029A	DUP 001-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 13:04
21080373-029B	DUP 001-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 18:17
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/09/2021 15:56
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 11:01
21080373-029C	DUP 001-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 19:25
21080373-029D	DUP 001-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 6:21
21080373-030A	DUP 002-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 13:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 18:56
21080373-030B	DUP 002-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:47	08/06/2021 18:54
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:47	08/09/2021 16:00
	SW-846 7470A (Total)			08/05/2021 17:45	08/06/2021 11:04
21080373-030C	DUP 002-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 19:29
21080373-030D	DUP 002-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/07/2021 6:47
21080373-031A	DUP 003-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-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			08/10/2021 16:02	08/11/2021 14:22
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 19:35
21080373-031B	DUP 003-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:47	08/06/2021 18:35
	SW-846 7470A (Total)			08/05/2021 17:50	08/06/2021 12:35
21080373-031C	DUP 003-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 21:52
21080373-031D	DUP 003-WG-20210804	08/04/2021 0:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 15:02
21080373-032A	EB-01-WQ-20210802	08/02/2021 12:30	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/09/2021 12:22	08/10/2021 17:04
21080373-032B	EB-01-WQ-20210802	08/02/2021 12:30	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:39	08/06/2021 18:20
	SW-846 7470A (Total)			08/05/2021 17:50	08/06/2021 12:37
21080373-032C	EB-01-WQ-20210802	08/02/2021 12:30	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 19:34
21080373-032D	EB-01-WQ-20210802	08/02/2021 12:30	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 22:03
21080373-033A	TB-01-WQ-20210802	08/05/2021 13:49	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 22:29
21080373-034A	EB-02-WQ-20210804	08/04/2021 7:00	08/05/2021 13:49		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/10/2021 16:02	08/11/2021 15:01
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			08/27/2021 16:54	08/30/2021 12:10
21080373-034B	EB-02-WQ-20210804	08/04/2021 7:00	08/05/2021 13:49		
	SW-846 3005A, 6010B, Metals by ICP (Total)			08/05/2021 15:47	08/06/2021 19:05
	SW-846 7470A (Total)			08/05/2021 17:50	08/06/2021 12:40
21080373-034C	EB-02-WQ-20210804	08/04/2021 7:00	08/05/2021 13:49		
	SW-846 9012A (Total)			08/10/2021 13:24	08/11/2021 19:42
21080373-034D	EB-02-WQ-20210804	08/04/2021 7:00	08/05/2021 13:49		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				08/06/2021 22:55

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

SW-846 9012A (TOTAL)

Batch 180562 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210806 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	08/09/2021

Batch 180562 **SampType:** LCS Units **mg/L**
SampID: LCS 210806 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	86.7	85	115	08/09/2021

Batch 180563 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210806 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	08/09/2021

Batch 180563 **SampType:** LCS Units **mg/L**
SampID: LCS 210806 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	SE	**0.177**	0.0250	0	708.4	90	110	08/09/2021

Batch 180633 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210810 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	08/11/2021

Batch 180633 **SampType:** LCS Units **mg/L**
SampID: LCS 210810 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	102.3	90	110	08/11/2021

Batch 180633 **SampType:** MS Units **mg/L**
SampID: 21080373-006CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.044**	0.0250	0.02408	80.9	75	125	08/11/2021

Batch 180633 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080373-006CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.048**	0.0250	0.02408	95.6	0.04432	7.94	08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

SW-846 9012A (TOTAL)

Batch 180633 **SampType:** MS Units **mg/L**
SampID: 21080373-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.036**	0.0250	0.01061	100.2	75	125	08/11/2021

Batch 180633 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080373-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.036**	0.0250	0.01061	102.0	0.03565	1.27	08/11/2021

Batch 180634 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210810 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	08/11/2021

Batch 180634 **SampType:** LCS Units **mg/L**
SampID: LCS 210810 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.5	90	110	08/11/2021

Batch 180634 **SampType:** MS Units **mg/L**
SampID: 21080373-031CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.103**	0.0250	0.07949	94.7	75	125	08/11/2021

Batch 180634 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080373-031CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.106**	0.0250	0.07949	104.2	0.1032	2.30	08/11/2021

Batch 180713 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210812 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	08/12/2021

Batch 180713 **SampType:** LCS Units **mg/L**
SampID: LCS 210812 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	91.3	90	110	08/12/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

SW-846 9012A (TOTAL)

Batch 180714 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210812 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	08/12/2021

Batch 180714 **SampType:** LCS Units **mg/L**
SampID: LCS2 210812 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.7	85	115	08/13/2021

Batch 180714 **SampType:** MS Units **mg/L**
SampID: 21080373-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.025		**0.092**	0.0250	0.06885	93.5	75	125	08/12/2021

Batch 180714 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080373-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.025		**0.093**	0.0250	0.06885	96.3	0.09222	0.76	08/12/2021

Batch 180781 **SampType:** MBLK Units **mg/L**
SampID: MBLK 210813 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	08/16/2021

Batch 180781 **SampType:** LCS Units **mg/L**
SampID: LCS 210813 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	94.3	90	110	08/16/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180515 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180515

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	08/06/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/06/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/06/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/06/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	08/06/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/06/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/06/2021

Batch 180515 **SampType:** LCS Units **mg/L**

SampID: LCS-180515

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.542**	0.5000	0	108.5	85	115	08/06/2021
Barium		0.0025		**2.09**	2.000	0	104.5	85	115	08/06/2021
Cadmium		0.0020		**0.0506**	0.0500	0	101.2	85	115	08/06/2021
Chromium		0.0050		**0.199**	0.2000	0	99.5	85	115	08/06/2021
Lead		0.0150		**0.507**	0.5000	0	101.4	85	115	08/06/2021
Selenium		0.0400		**0.518**	0.5000	0	103.6	85	115	08/06/2021
Silver		0.0070		**0.0502**	0.0500	0	100.4	85	115	08/06/2021

Batch 180515 **SampType:** MS Units **mg/L**

SampID: 21080373-001BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.548**	0.5000	0	109.5	75	125	08/06/2021
Barium		0.0025		**2.15**	2.000	0.05810	104.5	75	125	08/06/2021
Cadmium		0.0020		**0.0496**	0.0500	0	99.2	75	125	08/06/2021
Chromium		0.0050		**0.197**	0.2000	0	98.3	75	125	08/06/2021
Lead		0.0150		**0.499**	0.5000	0	99.9	75	125	08/06/2021
Selenium		0.0400		**0.502**	0.5000	0	100.4	75	125	08/06/2021
Silver		0.0070		**0.0508**	0.0500	0	101.6	75	125	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180515 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080373-001BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.548**	0.5000	0	109.7	0.5477	0.15	08/06/2021
Barium		0.0025		**2.15**	2.000	0.05810	104.5	2.148	0.05	08/06/2021
Cadmium		0.0020		**0.0497**	0.0500	0	99.4	0.04960	0.20	08/06/2021
Chromium		0.0050		**0.198**	0.2000	0	98.8	0.1966	0.56	08/06/2021
Lead		0.0150		**0.500**	0.5000	0	100.1	0.4994	0.20	08/06/2021
Selenium		0.0400		**0.506**	0.5000	0	101.2	0.5018	0.87	08/06/2021
Silver		0.0070		**0.0507**	0.0500	0	101.4	0.05080	0.20	08/06/2021

Batch 180522 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180522

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	08/06/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/06/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/06/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/06/2021
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/06/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/06/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/06/2021

Batch 180522 **SampType:** LCS Units **mg/L**

SampID: LCS-180522

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.550**	0.5000	0	110.0	85	115	08/06/2021
Barium		0.0025		**2.12**	2.000	0	105.8	85	115	08/06/2021
Cadmium		0.0020		**0.0511**	0.0500	0	102.2	85	115	08/06/2021
Chromium		0.0050		**0.201**	0.2000	0	100.5	85	115	08/06/2021
Lead		0.0150		**0.512**	0.5000	0	102.5	85	115	08/06/2021
Selenium		0.0400		**0.522**	0.5000	0	104.4	85	115	08/06/2021
Silver		0.0070		**0.0512**	0.0500	0	102.4	85	115	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180522 **SampType:** MS Units **mg/L**

SampID: 21080373-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.539**	0.5000	0	107.8	75	125	08/06/2021
Barium		0.0025		**2.18**	2.000	0.1060	103.8	75	125	08/06/2021
Cadmium		0.0020		**0.0491**	0.0500	0	98.2	75	125	08/06/2021
Chromium		0.0050		**0.198**	0.2000	0	99.2	75	125	08/06/2021
Lead		0.0150		**0.497**	0.5000	0	99.5	75	125	08/06/2021
Selenium		0.0400		**0.509**	0.5000	0	101.8	75	125	08/06/2021
Silver		0.0070		**0.0507**	0.0500	0	101.4	75	125	08/06/2021

Batch 180522 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080373-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.543**	0.5000	0	108.7	0.5389	0.81	08/06/2021
Barium		0.0025		**2.19**	2.000	0.1060	104.1	2.182	0.27	08/06/2021
Cadmium		0.0020		**0.0497**	0.0500	0	99.4	0.04910	1.21	08/06/2021
Chromium		0.0050		**0.196**	0.2000	0	98.2	0.1983	0.96	08/06/2021
Lead		0.0150		**0.500**	0.5000	0	100.1	0.4974	0.60	08/06/2021
Selenium		0.0400		**0.511**	0.5000	0	102.3	0.5091	0.43	08/06/2021
Silver		0.0070		**0.0511**	0.0500	0	102.2	0.05070	0.79	08/06/2021

Batch 180522 **SampType:** MS Units **mg/L**

SampID: 21080373-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.549**	0.5000	0	109.7	75	125	08/06/2021
Barium		0.0025		**2.20**	2.000	0.1171	104.2	75	125	08/06/2021
Cadmium		0.0020		**0.0494**	0.0500	0	98.8	75	125	08/06/2021
Chromium		0.0050		**0.198**	0.2000	0	98.9	75	125	08/06/2021
Lead		0.0150		**0.500**	0.5000	0	100.1	75	125	08/06/2021
Selenium		0.0400		**0.516**	0.5000	0	103.2	75	125	08/06/2021
Silver		0.0070		**0.0512**	0.0500	0	102.4	75	125	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180522 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080373-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.540**	0.5000	0	108.0	0.5487	1.56	08/06/2021
Barium		0.0025		**2.18**	2.000	0.1171	103.4	2.202	0.78	08/06/2021
Cadmium		0.0020		**0.0492**	0.0500	0	98.4	0.04940	0.41	08/06/2021
Chromium		0.0050		**0.196**	0.2000	0	98.1	0.1978	0.81	08/06/2021
Lead		0.0150		**0.496**	0.5000	0	99.2	0.5004	0.90	08/06/2021
Selenium		0.0400		**0.501**	0.5000	0	100.1	0.5159	3.01	08/06/2021
Silver		0.0070		**0.0507**	0.0500	0	101.4	0.05120	0.98	08/06/2021

Batch 180523 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180523

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	08/06/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	08/06/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	08/06/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	08/06/2021
Lead		0.0150		**< 0.0150**	0.0014	0	0	-100	100	08/06/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	08/06/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	08/06/2021

Batch 180523 **SampType:** LCS Units **mg/L**

SampID: LCS-180523

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.539**	0.5000	0	107.8	85	115	08/06/2021
Barium		0.0025		**2.08**	2.000	0	103.9	85	115	08/06/2021
Cadmium		0.0020		**0.0502**	0.0500	0	100.4	85	115	08/06/2021
Chromium		0.0050		**0.199**	0.2000	0	99.4	85	115	08/06/2021
Lead		0.0150		**0.505**	0.5000	0	101.1	85	115	08/06/2021
Selenium		0.0400		**0.517**	0.5000	0	103.4	85	115	08/06/2021
Silver		0.0070		**0.0502**	0.0500	0	100.4	85	115	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180523 **SampType:** MS Units **mg/L**

SampID: 21080373-030BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.547**	0.5000	0.01570	106.3	75	125	08/06/2021
Barium		0.0125		**2.12**	2.000	0.03200	104.4	75	125	08/09/2021
Cadmium		0.0020		**0.0493**	0.0500	0	98.6	75	125	08/06/2021
Chromium		0.0050		**0.195**	0.2000	0	97.5	75	125	08/06/2021
Lead		0.0150		**0.497**	0.5000	0	99.4	75	125	08/06/2021
Selenium		0.0400		**0.457**	0.5000	0	91.4	75	125	08/06/2021
Silver		0.0070		**0.0495**	0.0500	0	99.0	75	125	08/06/2021

Batch 180523 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21080373-030BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.554**	0.5000	0.01570	107.6	0.5471	1.16	08/06/2021
Barium		0.0125		**2.14**	2.000	0.03200	105.4	2.119	0.96	08/09/2021
Cadmium		0.0020		**0.0507**	0.0500	0	101.4	0.04930	2.80	08/06/2021
Chromium		0.0050		**0.200**	0.2000	0	99.8	0.1949	2.33	08/06/2021
Lead		0.0150		**0.514**	0.5000	0	102.8	0.4971	3.30	08/06/2021
Selenium		0.0400		**0.480**	0.5000	0	95.9	0.4570	4.83	08/06/2021
Silver		0.0070		**0.0507**	0.0500	0	101.4	0.04950	2.40	08/06/2021

SW-846 7470A (TOTAL)

Batch 180525 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180525

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	08/06/2021

Batch 180525 **SampType:** LCS Units **mg/L**

SampID: LCS-180525

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00542**	0.0050	0	108.3	85	115	08/06/2021

Batch 180525 **SampType:** MS Units **mg/L**

SampID: 21080373-003BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00572**	0.0050	0	114.4	75	125	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

SW-846 7470A (TOTAL)

Batch 180525 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21080373-003BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00566**	0.0050	0	113.3	0.005721	1.01	08/06/2021

Batch 180526 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180526

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	08/06/2021

Batch 180526 **SampType:** LCS Units **mg/L**

SampID: LCS-180526

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00551**	0.0050	0	110.1	85	115	08/06/2021

Batch 180526 **SampType:** MS Units **mg/L**

SampID: 21080373-015BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00571**	0.0050	0	114.2	75	125	08/06/2021

Batch 180526 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21080373-015BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00550**	0.0050	0	110.0	0.005709	3.71	08/06/2021

Batch 180526 **SampType:** MS Units **mg/L**

SampID: 21080373-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00562**	0.0050	0	112.5	75	125	08/06/2021

Batch 180526 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21080373-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00552**	0.0050	0	110.4	0.005625	1.92	08/06/2021

Batch 180527 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180527

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	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

SW-846 7470A (TOTAL)

Batch 180527 **SampType:** LCS Units **mg/L**
SampID: LCS-180527

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00558**	0.0050	0	111.7	85	115	08/06/2021

Batch 180527 **SampType:** MS Units **mg/L**
SampID: 21080373-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00538**	0.0050	0	107.7	75	125	08/06/2021

Batch 180527 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21080373-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00531**	0.0050	0	106.1	0.005384	1.45	08/06/2021

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

Batch 180524 **SampType:** MBLK Units **mg/L**
SampID: MBLK-180524

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/06/2021
Acenaphthylene		0.000100		**ND**						08/06/2021
Anthracene		0.000300		**ND**						08/06/2021
Benzo(a)anthracene		0.000100		**ND**						08/06/2021
Benzo(a)pyrene		0.000200		**ND**						08/06/2021
Benzo(b)fluoranthene		0.000100		**ND**						08/06/2021
Benzo(g,h,i)perylene		0.000200		**ND**						08/06/2021
Benzo(k)fluoranthene		0.000100		**ND**						08/06/2021
Chrysene		0.000100		**ND**						08/06/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						08/06/2021
Fluoranthene		0.000300		**ND**						08/06/2021
Fluorene		0.000200		**ND**						08/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/06/2021
Naphthalene		0.000400		**ND**						08/06/2021
Phenanthrene		0.000600		**ND**						08/06/2021
Pyrene		0.000200		**ND**						08/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000848**	0.0010		84.8	45.5	94.3	08/06/2021
Surr: Nitrobenzene-d5	*			**0.000936**	0.0010		93.6	51.6	102	08/06/2021
Surr: p-Terphenyl-d14	*			**0.00121**	0.0010		120.8	60.8	130	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180524 **SampType:** LCS Units **mg/L**

SampID: LCS-180524

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00187**	0.0020	0	93.7	54.7	110	08/06/2021
Acenaphthylene		0.000100		**0.00218**	0.0020	0	109.0	56.2	116	08/06/2021
Anthracene		0.000300		**0.00172**	0.0020	0	86.1	55.3	113	08/06/2021
Benzo(a)anthracene		0.000100		**0.00184**	0.0020	0	92.2	54.6	112	08/06/2021
Benzo(a)pyrene		0.000200		**0.00171**	0.0020	0	85.6	57.2	118	08/06/2021
Benzo(b)fluoranthene		0.000100		**0.00191**	0.0020	0	95.5	50.3	119	08/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00179**	0.0020	0	89.3	59.3	122	08/06/2021
Benzo(k)fluoranthene		0.000100		**0.00175**	0.0020	0	87.6	58.8	114	08/06/2021
Chrysene		0.000100		**0.00173**	0.0020	0	86.5	58.9	113	08/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00167**	0.0020	0	83.5	50	134	08/06/2021
Fluoranthene		0.000300		**0.00189**	0.0020	0	94.6	61.2	114	08/06/2021
Fluorene		0.000200		**0.00181**	0.0020	0	90.7	61.6	110	08/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00176**	0.0020	0	88.2	54.3	128	08/06/2021
Naphthalene		0.000400		**0.00187**	0.0020	0	93.5	51.7	105	08/06/2021
Phenanthrene		0.000600		**0.00195**	0.0020	0	97.5	60.9	121	08/06/2021
Pyrene		0.000200		**0.00187**	0.0020	0	93.7	59.1	114	08/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000817**	0.0010		81.7	45.5	94.3	08/06/2021
Surr: Nitrobenzene-d5	*			**0.000875**	0.0010		87.5	51.6	102	08/06/2021
Surr: p-Terphenyl-d14	*			**0.00107**	0.0010		106.6	60.8	130	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180524 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-180524

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00180**	0.0020	0	89.9	0.001874	4.14	08/06/2021
Acenaphthylene		0.000100		**0.00203**	0.0020	0	101.6	0.002180	7.06	08/06/2021
Anthracene		0.000300		**0.00178**	0.0020	0	88.8	0.001722	3.08	08/06/2021
Benzo(a)anthracene		0.000100		**0.00184**	0.0020	0	91.9	0.001844	0.27	08/06/2021
Benzo(a)pyrene		0.000200		**0.00166**	0.0020	0	82.9	0.001712	3.17	08/06/2021
Benzo(b)fluoranthene		0.000100		**0.00185**	0.0020	0	92.7	0.001911	3.07	08/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00175**	0.0020	0	87.4	0.001785	2.15	08/06/2021
Benzo(k)fluoranthene		0.000100		**0.00170**	0.0020	0	84.9	0.001753	3.22	08/06/2021
Chrysene		0.000100		**0.00179**	0.0020	0	89.7	0.001730	3.64	08/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00183**	0.0020	0	91.7	0.001670	9.34	08/06/2021
Fluoranthene		0.000300		**0.00182**	0.0020	0	90.8	0.001891	4.07	08/06/2021
Fluorene		0.000200		**0.00191**	0.0020	0	95.4	0.001813	5.08	08/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00187**	0.0020	0	93.7	0.001763	6.10	08/06/2021
Naphthalene		0.000400		**0.00183**	0.0020	0	91.6	0.001870	2.09	08/06/2021
Phenanthrene		0.000600		**0.00178**	0.0020	0	89.0	0.001949	9.05	08/06/2021
Pyrene		0.000200		**0.00181**	0.0020	0	90.6	0.001873	3.34	08/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000820**	0.0010		82.0			08/06/2021
Surr: Nitrobenzene-d5	*			**0.000876**	0.0010		87.6			08/06/2021
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		109.1			08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180590 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180590

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/10/2021
Acenaphthylene		0.000100		**ND**						08/10/2021
Anthracene		0.000300		**ND**						08/10/2021
Benzo(a)anthracene		0.000100		**ND**						08/10/2021
Benzo(a)pyrene		0.000200		**ND**						08/10/2021
Benzo(b)fluoranthene		0.000100		**ND**						08/10/2021
Benzo(g,h,i)perylene		0.000200		**ND**						08/10/2021
Benzo(k)fluoranthene		0.000100		**ND**						08/10/2021
Chrysene		0.000100		**ND**						08/10/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						08/10/2021
Fluoranthene		0.000300		**ND**						08/10/2021
Fluorene		0.000200		**ND**						08/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/10/2021
Naphthalene		0.000400		**ND**						08/10/2021
Phenanthrene		0.000600		**ND**						08/10/2021
Pyrene		0.000200		**ND**						08/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000759**	0.0010		75.9	45.5	94.3	08/10/2021
Surr: Nitrobenzene-d5	*			**0.000819**	0.0010		81.9	51.6	102	08/10/2021
Surr: p-Terphenyl-d14	*			**0.00114**	0.0010		114.1	60.8	130	08/10/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180590 **SampType:** LCS Units **mg/L**

SampID: LCS-180590

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00153**	0.0020	0	76.3	54.7	110	08/10/2021
Acenaphthylene		0.000100		**0.00178**	0.0020	0	88.9	56.2	116	08/10/2021
Anthracene		0.000300		**0.00152**	0.0020	0	76.2	55.3	113	08/10/2021
Benzo(a)anthracene		0.000100		**0.00155**	0.0020	0	77.3	54.6	112	08/10/2021
Benzo(a)pyrene		0.000200		**0.00133**	0.0020	0	66.7	57.2	118	08/10/2021
Benzo(b)fluoranthene		0.000100		**0.00162**	0.0020	0	80.8	50.3	119	08/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00158**	0.0020	0	78.8	59.3	122	08/10/2021
Benzo(k)fluoranthene		0.000100		**0.00145**	0.0020	0	72.4	58.8	114	08/10/2021
Chrysene		0.000100		**0.00158**	0.0020	0	79.0	58.9	113	08/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00156**	0.0020	0	78.2	50	134	08/10/2021
Fluoranthene		0.000300		**0.00167**	0.0020	0	83.7	61.2	114	08/10/2021
Fluorene		0.000200		**0.00165**	0.0020	0	82.7	61.6	110	08/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00153**	0.0020	0	76.7	54.3	128	08/10/2021
Naphthalene		0.000400		**0.00161**	0.0020	0	80.5	51.7	105	08/10/2021
Phenanthrene		0.000600		**0.00167**	0.0020	0	83.4	60.9	121	08/10/2021
Pyrene		0.000200		**0.00161**	0.0020	0	80.6	59.1	114	08/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000725**	0.0010		72.5	45.5	94.3	08/10/2021
Surr: Nitrobenzene-d5	*			**0.000763**	0.0010		76.3	51.6	102	08/10/2021
Surr: p-Terphenyl-d14	*			**0.000886**	0.0010		88.6	60.8	130	08/10/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180590 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-180590

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00171**	0.0020	0	85.5	0.001526	11.42	08/10/2021
Acenaphthylene		0.000100		**0.00196**	0.0020	0	97.8	0.001779	9.47	08/10/2021
Anthracene		0.000300		**0.00169**	0.0020	0	84.4	0.001523	10.20	08/10/2021
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.7	0.001546	9.16	08/10/2021
Benzo(a)pyrene		0.000200		**0.00158**	0.0020	0	79.0	0.001334	16.89	08/10/2021
Benzo(b)fluoranthene		0.000100		**0.00180**	0.0020	0	89.9	0.001616	10.73	08/10/2021
Benzo(g,h,i)perylene		0.000200		**0.00174**	0.0020	0	86.9	0.001576	9.77	08/10/2021
Benzo(k)fluoranthene		0.000100		**0.00167**	0.0020	0	83.3	0.001447	14.06	08/10/2021
Chrysene		0.000100		**0.00175**	0.0020	0	87.7	0.001579	10.52	08/10/2021
Dibenzo(a,h)anthracene		0.000200		**0.00177**	0.0020	0	88.5	0.001564	12.37	08/10/2021
Fluoranthene		0.000300		**0.00176**	0.0020	0	87.9	0.001675	4.90	08/10/2021
Fluorene		0.000200		**0.00183**	0.0020	0	91.5	0.001654	10.12	08/10/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00174**	0.0020	0	86.8	0.001534	12.33	08/10/2021
Naphthalene		0.000400		**0.00181**	0.0020	0	90.3	0.001609	11.48	08/10/2021
Phenanthrene		0.000600		**0.00188**	0.0020	0	93.9	0.001668	11.92	08/10/2021
Pyrene		0.000200		**0.00180**	0.0020	0	90.1	0.001612	11.16	08/10/2021
Surr: 2-Fluorobiphenyl	*			**0.000779**	0.0010		77.9			08/10/2021
Surr: Nitrobenzene-d5	*			**0.000812**	0.0010		81.2			08/10/2021
Surr: p-Terphenyl-d14	*			**0.00102**	0.0010		101.6			08/10/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180590 **SampType:** MS Units **mg/L**

SampID: 21080373-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00176**	0.0020	0	87.8	28.3	133	08/11/2021
Acenaphthylene		0.000100		**0.00205**	0.0020	0	102.7	5	176	08/11/2021
Anthracene		0.000300		**0.00160**	0.0020	0	80.2	34.6	131	08/11/2021
Benzo(a)anthracene		0.000100		**0.00165**	0.0020	0	82.6	40.3	132	08/11/2021
Benzo(a)pyrene		0.000200		**0.00145**	0.0020	0	72.5	40.8	132	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00172**	0.0020	0	85.8	41.9	132	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00155**	0.0020	0	77.5	46	132	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00146**	0.0020	0	73.1	49.4	126	08/11/2021
Chrysene		0.000100		**0.00167**	0.0020	0	83.4	46.1	129	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00166**	0.0020	0	83.2	42.1	146	08/11/2021
Fluoranthene		0.000300		**0.00170**	0.0020	0	85.0	23.9	164	08/11/2021
Fluorene		0.000200		**0.00177**	0.0020	0	88.4	24.3	148	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00163**	0.0020	0	81.7	26.6	157	08/11/2021
Naphthalene		0.000400		**0.00179**	0.0020	0	89.7	24.2	132	08/11/2021
Phenanthrene		0.000600		**0.00175**	0.0020	0	87.3	36.6	139	08/11/2021
Pyrene		0.000200		**0.00180**	0.0020	0	89.8	14.6	169	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000716**	0.0010		71.6	21.4	142	08/11/2021
Surr: Nitrobenzene-d5	*			**0.000804**	0.0010		80.4	15	163	08/11/2021
Surr: p-Terphenyl-d14	*			**0.00105**	0.0010		105.3	10	173	08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180590 **SampType:** MSD Units **mg/L** RPD Limit: **40**

SampID: 21080373-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00171**	0.0020	0	85.4	0.001756	2.81	08/11/2021
Acenaphthylene		0.000100		**0.00200**	0.0020	0	100.2	0.002054	2.48	08/11/2021
Anthracene		0.000300		**0.00164**	0.0020	0	81.9	0.001605	2.08	08/11/2021
Benzo(a)anthracene		0.000100		**0.00165**	0.0020	0	82.4	0.001653	0.29	08/11/2021
Benzo(a)pyrene		0.000200		**0.00148**	0.0020	0	74.0	0.001451	2.05	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00173**	0.0020	0	86.3	0.001717	0.57	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00164**	0.0020	0	81.9	0.001550	5.59	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00159**	0.0020	0	79.3	0.001463	8.11	08/11/2021
Chrysene		0.000100		**0.00176**	0.0020	0	88.0	0.001668	5.41	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00161**	0.0020	0	80.7	0.001664	3.01	08/11/2021
Fluoranthene		0.000300		**0.00187**	0.0020	0	93.5	0.001699	9.56	08/11/2021
Fluorene		0.000200		**0.00215**	0.0020	0	107.7	0.001768	19.66	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00160**	0.0020	0	79.8	0.001634	2.38	08/11/2021
Naphthalene		0.000400		**0.00189**	0.0020	0	94.3	0.001794	5.02	08/11/2021
Phenanthrene		0.000600	SR	**0.00314**	0.0020	0	156.9	0.001747	56.95	08/11/2021
Pyrene		0.000200		**0.00185**	0.0020	0	92.7	0.001796	3.17	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000743**	0.0010		74.3			08/11/2021
Surr: Nitrobenzene-d5	*			**0.000769**	0.0010		76.9			08/11/2021
Surr: p-Terphenyl-d14	*			**0.000930**	0.0010		93.0			08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180653 **SampType:** MBLK Units **mg/L**

SampID: MBLK-180653

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/11/2021
Acenaphthylene		0.000100		**ND**						08/11/2021
Anthracene		0.000300		**ND**						08/11/2021
Benzo(a)anthracene		0.000100		**ND**						08/11/2021
Benzo(a)pyrene		0.000200		**ND**						08/11/2021
Benzo(b)fluoranthene		0.000100		**ND**						08/11/2021
Benzo(g,h,i)perylene		0.000200		**ND**						08/11/2021
Benzo(k)fluoranthene		0.000100		**ND**						08/11/2021
Chrysene		0.000100		**ND**						08/11/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						08/11/2021
Fluoranthene		0.000300		**ND**						08/11/2021
Fluorene		0.000200		**ND**						08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/11/2021
Naphthalene		0.000400		**ND**						08/11/2021
Phenanthrene		0.000600		**ND**						08/11/2021
Pyrene		0.000200		**ND**						08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000674**	0.0010		67.4	45.5	94.3	08/11/2021
Surr: Nitrobenzene-d5	*			**0.000769**	0.0010		76.9	51.6	102	08/11/2021
Surr: p-Terphenyl-d14	*			**0.000908**	0.0010		90.8	60.8	130	08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180653 **SampType:** LCS Units **mg/L**

SampID: LCS-180653

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00207**	0.0020	0	103.4	54.7	110	08/11/2021
Acenaphthylene		0.000100		**0.00232**	0.0020	0	116.0	56.2	116	08/11/2021
Anthracene		0.000300		**0.00182**	0.0020	0	90.8	55.3	113	08/11/2021
Benzo(a)anthracene		0.000100		**0.00189**	0.0020	0	94.4	54.6	112	08/11/2021
Benzo(a)pyrene		0.000200		**0.00176**	0.0020	0	88.0	57.2	118	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00192**	0.0020	0	96.2	50.3	119	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00191**	0.0020	0	95.4	59.3	122	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00179**	0.0020	0	89.5	58.8	114	08/11/2021
Chrysene		0.000100		**0.00198**	0.0020	0	99.1	58.9	113	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00195**	0.0020	0	97.6	50	134	08/11/2021
Fluoranthene		0.000300		**0.00191**	0.0020	0	95.5	61.2	114	08/11/2021
Fluorene		0.000200		**0.00219**	0.0020	0	109.5	61.6	110	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00188**	0.0020	0	93.8	54.3	128	08/11/2021
Naphthalene		0.000400		**0.00194**	0.0020	0	96.9	51.7	105	08/11/2021
Phenanthrene		0.000600		**0.00200**	0.0020	0	100.0	60.9	121	08/11/2021
Pyrene		0.000200		**0.00197**	0.0020	0	98.4	59.1	114	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000803**	0.0010		80.3	45.5	94.3	08/11/2021
Surr: Nitrobenzene-d5	*			**0.000882**	0.0010		88.2	51.6	102	08/11/2021
Surr: p-Terphenyl-d14	*			**0.00112**	0.0010		111.6	60.8	130	08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180653 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-180653

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00181**	0.0020	0	90.3	0.002069	13.60	08/11/2021
Acenaphthylene		0.000100		**0.00198**	0.0020	0	98.8	0.002320	16.00	08/11/2021
Anthracene		0.000300		**0.00163**	0.0020	0	81.7	0.001815	10.54	08/11/2021
Benzo(a)anthracene		0.000100		**0.00179**	0.0020	0	89.6	0.001888	5.23	08/11/2021
Benzo(a)pyrene		0.000200		**0.00164**	0.0020	0	82.0	0.001761	7.05	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00179**	0.0020	0	89.7	0.001924	6.93	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00180**	0.0020	0	89.9	0.001908	5.93	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00165**	0.0020	0	82.5	0.001789	8.11	08/11/2021
Chrysene		0.000100		**0.00177**	0.0020	0	88.7	0.001982	11.11	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00185**	0.0020	0	92.3	0.001952	5.58	08/11/2021
Fluoranthene		0.000300		**0.00178**	0.0020	0	88.8	0.001911	7.27	08/11/2021
Fluorene		0.000200		**0.00178**	0.0020	0	89.1	0.002190	20.56	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00177**	0.0020	0	88.6	0.001876	5.66	08/11/2021
Naphthalene		0.000400		**0.00175**	0.0020	0	87.3	0.001937	10.42	08/11/2021
Phenanthrene		0.000600		**0.00190**	0.0020	0	95.0	0.002000	5.16	08/11/2021
Pyrene		0.000200		**0.00189**	0.0020	0	94.5	0.001968	4.09	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000736**	0.0010		73.6			08/11/2021
Surr: Nitrobenzene-d5	*			**0.000762**	0.0010		76.2			08/11/2021
Surr: p-Terphenyl-d14	*			**0.000948**	0.0010		94.8			08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180653 **SampType:** MS Units **mg/L**

SampID: 21080373-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00177**	0.0020	0	88.4	28.3	133	08/11/2021
Acenaphthylene		0.000100		**0.00210**	0.0020	0	105.1	5	176	08/11/2021
Anthracene		0.000300		**0.00173**	0.0020	0	86.7	34.6	131	08/11/2021
Benzo(a)anthracene		0.000100		**0.00180**	0.0020	0	89.8	40.3	132	08/11/2021
Benzo(a)pyrene		0.000200		**0.00164**	0.0020	0	82.1	40.8	132	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00184**	0.0020	0	92.1	41.9	132	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00184**	0.0020	0	91.9	46	132	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00174**	0.0020	0	87.0	49.4	126	08/11/2021
Chrysene		0.000100		**0.00184**	0.0020	0	92.1	46.1	129	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00192**	0.0020	0	95.9	42.1	146	08/11/2021
Fluoranthene		0.000300		**0.00183**	0.0020	0	91.4	23.9	164	08/11/2021
Fluorene		0.000200		**0.00181**	0.0020	0	90.5	24.3	148	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00189**	0.0020	0	94.4	26.6	157	08/11/2021
Naphthalene		0.000400		**0.00182**	0.0020	0	91.1	24.2	132	08/11/2021
Phenanthrene		0.000600		**0.00179**	0.0020	0	89.3	36.6	139	08/11/2021
Pyrene		0.000200		**0.00173**	0.0020	0	86.6	14.6	169	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000735**	0.0010		73.5	21.4	142	08/11/2021
Surr: Nitrobenzene-d5	*			**0.000797**	0.0010		79.7	15	163	08/11/2021
Surr: p-Terphenyl-d14	*			**0.000908**	0.0010		90.8	10	173	08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180653 **SampType:** MSD Units **mg/L** RPD Limit: **40**

SampID: 21080373-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00158**	0.0020	0	79.1	0.001767	11.09	08/11/2021
Acenaphthylene		0.000100		**0.00184**	0.0020	0	92.1	0.002101	13.10	08/11/2021
Anthracene		0.000300		**0.00181**	0.0020	0	90.7	0.001734	4.52	08/11/2021
Benzo(a)anthracene		0.000100		**0.00176**	0.0020	0	87.8	0.001796	2.33	08/11/2021
Benzo(a)pyrene		0.000200		**0.00174**	0.0020	0	86.9	0.001642	5.65	08/11/2021
Benzo(b)fluoranthene		0.000100		**0.00199**	0.0020	0	99.4	0.001841	7.61	08/11/2021
Benzo(g,h,i)perylene		0.000200		**0.00192**	0.0020	0	96.2	0.001838	4.51	08/11/2021
Benzo(k)fluoranthene		0.000100		**0.00181**	0.0020	0	90.7	0.001740	4.17	08/11/2021
Chrysene		0.000100		**0.00181**	0.0020	0	90.4	0.001841	1.80	08/11/2021
Dibenzo(a,h)anthracene		0.000200		**0.00198**	0.0020	0	99.1	0.001917	3.36	08/11/2021
Fluoranthene		0.000300		**0.00193**	0.0020	0	96.5	0.001828	5.45	08/11/2021
Fluorene		0.000200		**0.00165**	0.0020	0	82.7	0.001811	9.09	08/11/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00192**	0.0020	0	95.9	0.001888	1.56	08/11/2021
Naphthalene		0.000400		**0.00166**	0.0020	0	83.0	0.001821	9.31	08/11/2021
Phenanthrene		0.000600		**0.00175**	0.0020	0	87.3	0.001786	2.25	08/11/2021
Pyrene		0.000200		**0.00187**	0.0020	0	93.6	0.001732	7.71	08/11/2021
Surr: 2-Fluorobiphenyl	*			**0.000709**	0.0010		70.9			08/11/2021
Surr: Nitrobenzene-d5	*			**0.000800**	0.0010		80.0			08/11/2021
Surr: p-Terphenyl-d14	*			**0.00102**	0.0010		101.5			08/11/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 181284 **SampType:** MBLK Units **mg/L**

SampID: MBLK-181284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						08/30/2021
Acenaphthylene		0.000100		**ND**						08/30/2021
Anthracene		0.000300		**ND**						08/30/2021
Benzo(a)anthracene		0.000100		**0.000139**						08/30/2021
Benzo(a)pyrene		0.000200		**ND**						08/30/2021
Benzo(b)fluoranthene		0.000100		**0.000245**						08/30/2021
Benzo(g,h,i)perylene		0.000200		**ND**						08/30/2021
Benzo(k)fluoranthene		0.000100		**ND**						08/30/2021
Chrysene		0.000100		**0.000108**						08/30/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						08/30/2021
Fluoranthene		0.000300		**ND**						08/30/2021
Fluorene		0.000200		**ND**						08/30/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						08/30/2021
Naphthalene		0.000400		**ND**						08/30/2021
Phenanthrene		0.000600		**ND**						08/30/2021
Pyrene		0.000200		**0.000240**						08/30/2021
Surr: 2-Fluorobiphenyl	*			**0.000569**	0.0010		56.9	45.5	94.3	08/30/2021
Surr: Nitrobenzene-d5	*			**0.000545**	0.0010		54.5	51.6	102	08/30/2021
Surr: p-Terphenyl-d14	*			**0.000892**	0.0010		89.2	60.8	130	08/30/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 181284 **SampType:** LCS Units **mg/L**

SampID: LCS-181284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00178**	0.0020	0	89.1	54.7	110	08/30/2021
Acenaphthylene		0.000100		**0.00187**	0.0020	0	93.3	56.2	116	08/30/2021
Anthracene		0.000300		**0.00181**	0.0020	0	90.7	55.3	113	08/30/2021
Benzo(a)anthracene		0.000100	B	**0.00200**	0.0020	0	100.0	54.6	112	08/30/2021
Benzo(a)pyrene		0.000200	B	**0.00199**	0.0020	0	99.6	57.2	118	08/30/2021
Benzo(b)fluoranthene		0.000100	B	**0.00207**	0.0020	0	103.5	50.3	119	08/30/2021
Benzo(g,h,i)perylene		0.000200	B	**0.00195**	0.0020	0	97.3	59.3	122	08/30/2021
Benzo(k)fluoranthene		0.000100	B	**0.00193**	0.0020	0	96.4	58.8	114	08/30/2021
Chrysene		0.000100	B	**0.00184**	0.0020	0	92.1	58.9	113	08/30/2021
Dibenzo(a,h)anthracene		0.000200		**0.00171**	0.0020	0	85.5	50	134	08/30/2021
Fluoranthene		0.000300		**0.00219**	0.0020	0	109.4	61.2	114	08/30/2021
Fluorene		0.000200		**0.00185**	0.0020	0	92.6	61.6	110	08/30/2021
Indeno(1,2,3-cd)pyrene		0.000200	B	**0.00198**	0.0020	0	99.1	54.3	128	08/30/2021
Naphthalene		0.000400		**0.00167**	0.0020	0	83.6	51.7	105	08/30/2021
Phenanthrene		0.000600		**0.00199**	0.0020	0	99.5	60.9	121	08/30/2021
Pyrene		0.000200	B	**0.00222**	0.0020	0	110.9	59.1	114	08/30/2021
Surr: 2-Fluorobiphenyl	*			**0.000793**	0.0010		79.3	45.5	94.3	08/30/2021
Surr: Nitrobenzene-d5	*			**0.000722**	0.0010		72.2	51.6	102	08/30/2021
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		106.0	60.8	130	08/30/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 181284 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-181284

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00176**	0.0020	0	88.0	0.001782	1.32	08/30/2021
Acenaphthylene		0.000100		**0.00181**	0.0020	0	90.6	0.001866	2.88	08/30/2021
Anthracene		0.000300		**0.00186**	0.0020	0	93.1	0.001813	2.64	08/30/2021
Benzo(a)anthracene		0.000100	B	**0.00192**	0.0020	0	95.9	0.002000	4.15	08/30/2021
Benzo(a)pyrene		0.000200	B	**0.00187**	0.0020	0	93.5	0.001991	6.30	08/30/2021
Benzo(b)fluoranthene		0.000100	B	**0.00191**	0.0020	0	95.5	0.002070	8.01	08/30/2021
Benzo(g,h,i)perylene		0.000200	B	**0.00181**	0.0020	0	90.5	0.001946	7.28	08/30/2021
Benzo(k)fluoranthene		0.000100	B	**0.00184**	0.0020	0	92.1	0.001928	4.53	08/30/2021
Chrysene		0.000100	B	**0.00180**	0.0020	0	90.1	0.001843	2.29	08/30/2021
Dibenzo(a,h)anthracene		0.000200		**0.00181**	0.0020	0	90.7	0.001710	5.92	08/30/2021
Fluoranthene		0.000300		**0.00214**	0.0020	0	107.1	0.002188	2.17	08/30/2021
Fluorene		0.000200		**0.00187**	0.0020	0	93.7	0.001853	1.19	08/30/2021
Indeno(1,2,3-cd)pyrene		0.000200	B	**0.00185**	0.0020	0	92.6	0.001981	6.79	08/30/2021
Naphthalene		0.000400		**0.00164**	0.0020	0	82.0	0.001672	1.91	08/30/2021
Phenanthrene		0.000600		**0.00221**	0.0020	0	110.5	0.001990	10.49	08/30/2021
Pyrene		0.000200	B	**0.00210**	0.0020	0	105.1	0.002218	5.40	08/30/2021
Surr: 2-Fluorobiphenyl	*			**0.000795**	0.0010		79.5			08/30/2021
Surr: Nitrobenzene-d5	*			**0.000722**	0.0010		72.2			08/30/2021
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.0			08/30/2021

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

Batch 180545 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AM210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						08/06/2021
Ethylbenzene	*	2.0		**ND**						08/06/2021
Toluene	*	2.0		**ND**						08/06/2021
Xylenes, Total	*	4.0		**ND**						08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**53.5**	50.00		107.1	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**53.8**	50.00		107.6	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**47.5**	50.00		95.1	80	120	08/06/2021
Surr: Toluene-d8	*			**48.1**	50.00		96.3	80	120	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180545 **SampType:** LCS Units µg/L

SampID: LCS-AM210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**50.1**	50.00	0	100.2	78.5	119	08/06/2021
Ethylbenzene	*	2.0		**54.2**	50.00	0	108.4	78.2	114	08/06/2021
Toluene	*	2.0		**49.8**	50.00	0	99.5	78.6	112	08/06/2021
Xylenes, Total	*	4.0		**168**	150.0	0	112.0	78.3	114	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**54.4**	50.00		108.7	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.2	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**47.5**	50.00		95.0	80	120	08/06/2021
Surr: Toluene-d8	*			**48.5**	50.00		97.1	80	120	08/06/2021

Batch 180545 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AM210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**49.7**	50.00	0	99.3	50.11	0.90	08/06/2021
Ethylbenzene	*	2.0		**53.8**	50.00	0	107.5	54.20	0.83	08/06/2021
Toluene	*	2.0		**49.0**	50.00	0	98.0	49.76	1.56	08/06/2021
Xylenes, Total	*	4.0		**166**	150.0	0	110.7	167.9	1.14	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**53.4**	50.00		106.8			08/06/2021
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8			08/06/2021
Surr: Dibromofluoromethane	*			**47.8**	50.00		95.6			08/06/2021
Surr: Toluene-d8	*			**48.4**	50.00		96.8			08/06/2021

Batch 180545 **SampType:** MS Units µg/L

SampID: 21080373-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**47.2**	50.00	0	94.4	72	120	08/06/2021
Ethylbenzene		2.0		**49.1**	50.00	0	98.3	74.8	115	08/06/2021
Toluene		2.0		**45.3**	50.00	0	90.6	70.6	109	08/06/2021
Xylenes, Total		4.0		**93.6**	100.0	0	93.6	72.1	113	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**57.2**	50.00		114.4	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**55.3**	50.00		110.5	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**47.6**	50.00		95.1	80	120	08/06/2021
Surr: Toluene-d8	*			**47.4**	50.00		94.8	80	120	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180545 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 21080373-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**47.5**	50.00	0	95.0	47.18	0.65	08/06/2021
Ethylbenzene		2.0		**49.8**	50.00	0	99.6	49.13	1.35	08/06/2021
Toluene		2.0		**45.7**	50.00	0	91.4	45.31	0.86	08/06/2021
Xylenes, Total		4.0		**94.6**	100.0	0	94.6	93.63	1.08	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**57.6**	50.00		115.2			08/06/2021
Surr: 4-Bromofluorobenzene	*			**55.2**	50.00		110.3			08/06/2021
Surr: Dibromofluoromethane	*			**47.6**	50.00		95.1			08/06/2021
Surr: Toluene-d8	*			**47.5**	50.00		94.9			08/06/2021

Batch 180546 **SampType:** MBLK Units µg/L

SampID: MBLK-AK210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						08/06/2021
Ethylbenzene	*	2.0		**ND**						08/06/2021
Toluene	*	2.0		**ND**						08/06/2021
Xylenes, Total	*	4.0		**ND**						08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.0**	50.00		104.0	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**47.0**	50.00		94.1	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**52.0**	50.00		104.1	80	120	08/06/2021
Surr: Toluene-d8	*			**47.8**	50.00		95.7	80	120	08/06/2021

Batch 180546 **SampType:** LCS Units µg/L

SampID: LCS-AK210806A-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	94.2	78.5	119	08/06/2021
Ethylbenzene	*	2.0		**49.2**	50.00	0	98.4	78.2	114	08/06/2021
Toluene	*	2.0		**46.6**	50.00	0	93.2	78.6	112	08/06/2021
Xylenes, Total	*	4.0		**147**	150.0	0	98.3	78.3	114	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.4**	50.00		104.7	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**46.3**	50.00		92.6	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**53.7**	50.00		107.5	80	120	08/06/2021
Surr: Toluene-d8	*			**48.2**	50.00		96.3	80	120	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180546 **SampType:** LCSD Units µg/L RPD Limit: 15.9

SampID: LCSD-AK210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**45.7**	50.00	0	91.5	47.09	2.91	08/06/2021
Ethylbenzene	*	2.0		**47.5**	50.00	0	95.0	49.18	3.50	08/06/2021
Toluene	*	2.0		**45.0**	50.00	0	90.1	46.58	3.36	08/06/2021
Xylenes, Total	*	4.0		**142**	150.0	0	95.0	147.5	3.43	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.3**	50.00		104.7			08/06/2021
Surr: 4-Bromofluorobenzene	*			**46.6**	50.00		93.1			08/06/2021
Surr: Dibromofluoromethane	*			**53.8**	50.00		107.7			08/06/2021
Surr: Toluene-d8	*			**48.2**	50.00		96.3			08/06/2021

Batch 180556 **SampType:** MBLK Units µg/L

SampID: MBLK-AE210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						08/06/2021
Ethylbenzene	*	2.0		**ND**						08/06/2021
Toluene	*	2.0		**ND**						08/06/2021
Xylenes, Total	*	4.0		**ND**						08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**53.1**	50.00		106.1	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**49.0**	50.00		98.0	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**51.9**	50.00		103.8	80	120	08/06/2021
Surr: Toluene-d8	*			**50.1**	50.00		100.1	80	120	08/06/2021

Batch 180556 **SampType:** LCS Units µg/L

SampID: LCS-AE210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**48.5**	50.00	0	96.9	78.5	119	08/06/2021
Ethylbenzene	*	2.0		**50.5**	50.00	0	101.1	78.2	114	08/06/2021
Toluene	*	2.0		**49.7**	50.00	0	99.4	78.6	112	08/06/2021
Xylenes, Total	*	4.0		**155**	150.0	0	103.6	78.3	114	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.3**	50.00		104.6	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**48.5**	50.00		96.9	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**51.5**	50.00		103.1	80	120	08/06/2021
Surr: Toluene-d8	*			**49.3**	50.00		98.6	80	120	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180556 **SampType:** LCSD Units **µg/L** RPD Limit: **15.9**

SampID: LCSD-AE210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**45.9**	50.00	0	91.7	48.47	5.53	08/06/2021
Ethylbenzene	*	2.0		**47.4**	50.00	0	94.8	50.54	6.39	08/06/2021
Toluene	*	2.0		**47.2**	50.00	0	94.3	49.70	5.24	08/06/2021
Xylenes, Total	*	4.0		**147**	150.0	0	98.2	155.4	5.31	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.0**	50.00		103.9			08/06/2021
Surr: 4-Bromofluorobenzene	*			**48.4**	50.00		96.7			08/06/2021
Surr: Dibromofluoromethane	*			**51.5**	50.00		103.0			08/06/2021
Surr: Toluene-d8	*			**49.4**	50.00		98.7			08/06/2021

Batch 180556 **SampType:** LCSG Units **%REC**

SampID: LCSG-AE210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**53.1**	50.00		106.2	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**47.7**	50.00		95.4	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**51.6**	50.00		103.2	80	120	08/06/2021
Surr: Toluene-d8	*			**49.5**	50.00		99.1	80	120	08/06/2021

Batch 180556 **SampType:** LCSGD Units **%REC** RPD Limit: **0**

SampID: LCSGD-AE210806A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**52.9**	50.00		105.8			08/06/2021
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.1			08/06/2021
Surr: Dibromofluoromethane	*			**51.9**	50.00		103.7			08/06/2021
Surr: Toluene-d8	*			**50.4**	50.00		100.9			08/06/2021

Batch 180581 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AM210806A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						08/06/2021
Ethylbenzene	*	2.0		**ND**						08/06/2021
Toluene	*	2.0		**ND**						08/06/2021
Xylenes, Total	*	4.0		**ND**						08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**55.0**	50.00		110.0	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**54.1**	50.00		108.3	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**48.5**	50.00		97.0	80	120	08/06/2021
Surr: Toluene-d8	*			**48.0**	50.00		95.9	80	120	08/06/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180581 **SampType:** LCS Units µg/L

SampID: LCS-AM210806A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**50.5**	50.00	0	101.0	78.5	119	08/06/2021
Ethylbenzene	*	2.0		**53.6**	50.00	0	107.3	78.2	114	08/06/2021
Toluene	*	2.0		**49.4**	50.00	0	98.8	78.6	112	08/06/2021
Xylenes, Total	*	4.0		**169**	150.0	0	112.6	78.3	114	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**55.0**	50.00		109.9	80	120	08/06/2021
Surr: 4-Bromofluorobenzene	*			**51.7**	50.00		103.3	80	120	08/06/2021
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.6	80	120	08/06/2021
Surr: Toluene-d8	*			**48.6**	50.00		97.2	80	120	08/06/2021

Batch 180581 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AM210806A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**49.9**	50.00	0	99.8	50.48	1.18	08/06/2021
Ethylbenzene	*	2.0		**53.6**	50.00	0	107.2	53.64	0.11	08/06/2021
Toluene	*	2.0		**49.0**	50.00	0	98.0	49.41	0.83	08/06/2021
Xylenes, Total	*	4.0		**167**	150.0	0	111.2	168.9	1.21	08/06/2021
Surr: 1,2-Dichloroethane-d4	*			**54.8**	50.00		109.6			08/06/2021
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.4			08/06/2021
Surr: Dibromofluoromethane	*			**48.0**	50.00		96.0			08/06/2021
Surr: Toluene-d8	*			**48.2**	50.00		96.3			08/06/2021

Batch 180581 **SampType:** MS Units µg/L

SampID: 21080373-027DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**45.7**	50.00	0	91.3	72	120	08/07/2021
Ethylbenzene		2.0		**47.3**	50.00	0	94.6	74.8	115	08/07/2021
Toluene		2.0		**44.2**	50.00	0	88.3	70.6	109	08/07/2021
Xylenes, Total		4.0		**91.1**	100.0	0	91.1	72.1	113	08/07/2021
Surr: 1,2-Dichloroethane-d4	*			**57.6**	50.00		115.2	80	120	08/07/2021
Surr: 4-Bromofluorobenzene	*			**54.5**	50.00		108.9	80	120	08/07/2021
Surr: Dibromofluoromethane	*			**48.4**	50.00		96.8	80	120	08/07/2021
Surr: Toluene-d8	*			**47.5**	50.00		95.1	80	120	08/07/2021

Client: ERM **Work Order:** 21080373

Client Project: Champaign GW **Report Date:** 30-Aug-21

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

Batch 180581 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 21080373-027DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**47.2**	50.00	0	94.3	45.67	3.23	08/07/2021
Ethylbenzene		2.0		**49.2**	50.00	0	98.4	47.29	3.98	08/07/2021
Toluene		2.0		**45.9**	50.00	0	91.8	44.16	3.82	08/07/2021
Xylenes, Total		4.0		**94.2**	100.0	0	94.2	91.09	3.35	08/07/2021
Surr: 1,2-Dichloroethane-d4	*			**57.7**	50.00		115.4			08/07/2021
Surr: 4-Bromofluorobenzene	*			**53.8**	50.00		107.5			08/07/2021
Surr: Dibromofluoromethane	*			**49.0**	50.00		98.0			08/07/2021
Surr: Toluene-d8	*			**47.6**	50.00		95.3			08/07/2021

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21080373
Report Date: 30-Aug-21

Carrier: Casey Burnstein

Received By: PRY

Completed by: Mary E. Kemp
On: 05-Aug-21
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 05-Aug-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 1.4
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.

Trip Blank collection date and time will be reported as the received date and time (end of trip). - MKemp - 8/5/2021 3:21:01 PM

pH strip #77626/75846. - ERH/MKemp - 8/5/2021 3:46:08 PM

Additional nitric acid (77727) was needed in 107R, 111A, 122, 127, 302, 307, and DUP 003 upon arrival at the laboratory. Additional sodium hydroxide (77099) was needed in 106R, 107R, 122, 300, and 307 upon arrival at the laboratory. - ERH/MKemp - 8/5/2021 3:46:29 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 21080373

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 1.4 °C LTG# 3

Preserved in: ☒ LAB ☐ FIELD

Lab Notes: ØHS HNO_3 (77727) added to 107R, 111A, 122, 127, 302, 307, DUP003

FOR LAB USE ONLY

Client Comments pH analysis

0.0075 mg/L detection limit for Pb

MS/MSDs: UMW-305-WG-20210804

UMW-307-WG-20210803

added NaOH (77099) to 106R, 107R, 122, 300, 307

77026 / 75840 EH ~~5/8/21~~ 8/5/21

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

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

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

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

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
21080373-001	UMW-102-WG-20210802	8/2/2021, 1435	1	1	1	2		X		X	X	X	X
002	UMW-105-WG-20210804	8/4/2021. 1105	1	1	1	2		X		X	X	X	X
003	UMW-106R-WG-20210803	8/3/2021, 1340	1	1	1	2		X		X	X	X	X
004	UMW-107R-WG-20210803	8/3/2021, 1210	1	1	1	2		X		X	X	X	X
005	UMW-108-WG-20210803	8/3/2021, 0920	1	1	1	2		X		X	X	X	X
006	UMW-109-WG-20210803	8/3/2021, 1040	1	1	1	2		X		X	X	X	X
007	UMW-111A-WG-20210802	8/2/2021, 1545	1	1	1	2		X		X	X	X	X
008	UMW-116-WG-20210803	8/3/2021, 1300	1	1	1	2		X		X	X	X	X
009	UMW-117-WG-20210803	8/3/2021, 0930	1	1	1	2		X		X	X	X	X
010	UMW-118-WG-20210803	8/3/2021, 1130	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Casey Burnstein (ERM)	8/5/2021, 1345		8/5/21 1347

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: 66948

8/5/21

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 21080373

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 1.4 °C LTG# 3

Preserved in: ☐ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments detection 0.0075 mg/L ~~detection~~ limit for Pb

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 / M. Berta / C. Burnstein

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												
2108037301	UMW-119-WG-20210802	8/2/2021, 1545	1	1	1	2						X					X	X	X	X												
012	UMW-120-WG-20210803	8/3/2021, 0405	1	1	1	2						X					X	X	X	X												
013	UMW-121-WG-20210804	8/4/2021, 1515	1	1	1	2						X					X	X	X	X												
014	UMW-122-WG-20210803	8/3/2021, 1500	1	1	1	2						X					X	X	X	X												
015	UMW-123-WG-20210803	8/3/2021, 1345	1	1	1	2						X					X	X	X	X												
016	UMW-124-WG-20210804	8/4/2021, 1415	1	1	1	2						X					X	X	X	X												
017	UMW-125-WG-20210804	8/4/2021, 0800	1	1	1	2						X					X	X	X	X												
018	UMW-126-WG-20210804	8/4/2021, ~~1310~~ 1310 MB	1	1	1	2						X					X	X	X	X												
019	UMW-127-WG-20210804	8/4/2021; 1255	1	1	1	2						X					X	X	X	X												
020	UMW-300-WG-20210803	8/3/2021, 0930	1	1	1	2						X					X	X	X	X												

Relinquished By	Date/Time	Received By	Date/Time
Casey Burnstein (ERM)	8/5/2021; 1345		8/5/21 1349

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: 66948

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 210803 73

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 1.7 °C LTG# 3

Preserved in: ☑ LAB ☐ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

0.0075 mg/L detection limit for Pb

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.Burnstein, M.Bailey

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
21080373-021	UMW-301R-WG-202108**04**	8/4/2021, 1015	1	1	1	2		X		X	X	X	X
022	UMW-302-WG-202108**04**	8/4/2021, 1520	1	1	1	2		X		X	X	X	X
023	UMW-303-WG-202108**03**	8/3/2021, 1050	1	1	1	2		X		X	X	X	X
024	UMW-304R-WG-202108**04**	8/4/2021, 0905	1	1	1	2		X		X	X	X	X
025	UMW-305-WG-202108**04**	8/4/2021, 0820	1/3	1/2	1/2	2/6		X		X	X	X	X
026	UMW-306-WG-202108**04**	8/4/2021, 0950	1	1	1	2		X		X	X	X	X
027	UMW-307-WG-202108**03**	8/3/2021, 1505	1/3	1/2	1/2	2/6		X		X	X	X	X
028	UMW-308-WG-202108**04**	8/4/2021, 1405	1	1	1	2		X		X	X	X	X
029	DUP 001-WG-202108**04**	8/4/2021, -:-	1	1	1	2		X		X	X	X	X
030	DUP 002-WG-202108**04**	8/4/2021, —	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Casey Burnstein (ERM)	~~8/5/2021~~ 8/5/2021 1345		8/5/21 1349

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BottleOrder: 66948

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 21080373

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 1.4 °C LTG# 5

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

Lab Notes:

Client Comments

0.00075 mg/L detection limit for Pb

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 / M. Bailey / C. Burnstein

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
21080373-031	DUP 003-WG-202108~~04~~	8/4/2021, —	1	1	1	2		X		X	X	X	X
032	EB-01-WQ-202108~~02~~	8/12/2021, 1230	1	1	1	2	X			X	X	X	X
033	TB-01-WQ-202108~~02~~	8/12/2021, 1200				2			X	X			
034	EB-02-WQ-202108~~04~~	8/4/2021, 0700	1	1	1	2	X			X	X	X	X
	~~TB-02-WQ-202108~~					2			X	X			
	~~TB-03-WQ-202108~~					2			X	X			

Relinquished By	Date/Time	Received By	Date/Time
Casey Burnstein (ERM)	8/5/2021; 1345		8/5/21 1349

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BottleOrder: 66948

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

August 27, 2021

Jarred Schmidt
ERM
2 City Place, Ste 70
Saint Louis, MO 63141

RE: Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Dear Jarred Schmidt:

Enclosed are the analytical results for sample(s) received by the laboratory on August 06, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

REV-1, 8/27/21: Cyanide method updated to 9012.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jamie Church
jamie.church@pacelabs.com
314-838-7223
Project Manager

Enclosures

cc: Dan Wilkens, ERM

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Pace Analytical Services Kansas
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 2000302021-3
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60376929001	**EB-01S-WQ-20210802**	Water	08/02/21 12:30	08/06/21 03:50
60376929002	**EB-02S-WQ-20210804**	Water	08/04/21 07:00	08/06/21 03:50
60376929003	**TB-02-WQ-20210802**	Water	08/02/21 12:05	08/06/21 03:50

Pace Analytical Services, LLC
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(913)599-5665

SAMPLE ANALYTE COUNT

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
60376929001	**EB-01S-WQ-20210802**	EPA 6010	KSK	7	PASI-K
		EPA 7470	VRB	1	PASI-K
		EPA 8270C by SIM	JMT	18	PASI-K
		EPA 8260	CJC	8	PASI-K
		EPA 9012A	BLA	1	PASI-K
60376929002	**EB-02S-WQ-20210804**	EPA 6010	KSK	7	PASI-K
		EPA 7470	VRB	1	PASI-K
		EPA 8270C by SIM	JMT	18	PASI-K
		EPA 8260	CJC	8	PASI-K
		EPA 9012A	BLA	1	PASI-K
60376929003	**TB-02-WQ-20210802**	EPA 8260	CJC	8	PASI-K

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Sample: EB-01S-WQ-20210802 **Lab ID: 60376929001** Collected: 08/02/21 12:30 Received: 08/06/21 03:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	7.8	1	08/11/21 08:47	08/12/21 20:19	7440-38-2	
Barium	ND	ug/L	5.0	1.8	1	08/11/21 08:47	08/12/21 20:19	7440-39-3	
Cadmium	ND	ug/L	5.0	0.53	1	08/11/21 08:47	08/12/21 20:19	7440-43-9	
Chromium	ND	ug/L	5.0	1.6	1	08/11/21 08:47	08/12/21 20:19	7440-47-3	
Lead	ND	ug/L	10.0	5.2	1	08/11/21 08:47	08/12/21 20:19	7439-92-1	
Selenium	ND	ug/L	15.0	8.2	1	08/11/21 08:47	08/12/21 20:19	7782-49-2	
Silver	ND	ug/L	7.0	1.9	1	08/11/21 08:47	08/12/21 20:19	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	0.096	1	08/09/21 16:07	08/10/21 16:51	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/L	0.095	0.047	1	08/07/21 00:49	08/09/21 09:33	83-32-9	
Acenaphthylene	ND	ug/L	0.095	0.033	1	08/07/21 00:49	08/09/21 09:33	208-96-8	
Anthracene	ND	ug/L	0.095	0.065	1	08/07/21 00:49	08/09/21 09:33	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.095	0.035	1	08/07/21 00:49	08/09/21 09:33	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.095	0.071	1	08/07/21 00:49	08/09/21 09:33	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.095	0.051	1	08/07/21 00:49	08/09/21 09:33	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.095	0.040	1	08/07/21 00:49	08/09/21 09:33	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.095	0.042	1	08/07/21 00:49	08/09/21 09:33	207-08-9	
Chrysene	ND	ug/L	0.095	0.041	1	08/07/21 00:49	08/09/21 09:33	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.095	0.050	1	08/07/21 00:49	08/09/21 09:33	53-70-3	
Fluoranthene	ND	ug/L	0.48	0.19	1	08/07/21 00:49	08/09/21 09:33	206-44-0	
Fluorene	ND	ug/L	0.095	0.066	1	08/07/21 00:49	08/09/21 09:33	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.095	0.048	1	08/07/21 00:49	08/09/21 09:33	193-39-5	
Naphthalene	ND	ug/L	0.48	0.076	1	08/07/21 00:49	08/09/21 09:33	91-20-3	
Phenanthrene	ND	ug/L	0.48	0.39	1	08/07/21 00:49	08/09/21 09:33	85-01-8	
Pyrene	ND	ug/L	0.095	0.074	1	08/07/21 00:49	08/09/21 09:33	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	76	%	37-109		1	08/07/21 00:49	08/09/21 09:33	321-60-8	
Terphenyl-d14 (S)	92	%	34-120		1	08/07/21 00:49	08/09/21 09:33	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260 Pace Analytical Services - Kansas City								
Benzene	ND	ug/L	1.0	0.14	1		08/11/21 00:26	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		08/11/21 00:26	100-41-4	
Toluene	ND	ug/L	1.0	0.25	1		08/11/21 00:26	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.28	1		08/11/21 00:26	1330-20-7	
Surrogates									
Toluene-d8 (S)	100	%	80-120		1		08/11/21 00:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120		1		08/11/21 00:26	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120		1		08/11/21 00:26	2199-69-1	
Preservation pH	**1.0**		0.10		1		08/11/21 00:26		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Sample: EB-01S-WQ-20210802 **Lab ID: 60376929001** Collected: 08/02/21 12:30 Received: 08/06/21 03:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012A Preparation Method: EPA 9012A Pace Analytical Services - Kansas City								
Cyanide	ND	mg/L	0.0050	0.0031	1	08/10/21 09:25	08/10/21 14:42	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Sample: EB-02S-WQ-20210804 **Lab ID: 60376929002** Collected: 08/04/21 07:00 Received: 08/06/21 03:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Pace Analytical Services - Kansas City								
Arsenic	ND	ug/L	10.0	7.8	1	08/11/21 08:47	08/12/21 20:32	7440-38-2	
Barium	ND	ug/L	5.0	1.8	1	08/11/21 08:47	08/12/21 20:32	7440-39-3	
Cadmium	ND	ug/L	5.0	0.53	1	08/11/21 08:47	08/12/21 20:32	7440-43-9	
Chromium	ND	ug/L	5.0	1.6	1	08/11/21 08:47	08/12/21 20:32	7440-47-3	
Lead	ND	ug/L	10.0	5.2	1	08/11/21 08:47	08/12/21 20:32	7439-92-1	
Selenium	ND	ug/L	15.0	8.2	1	08/11/21 08:47	08/12/21 20:32	7782-49-2	
Silver	ND	ug/L	7.0	1.9	1	08/11/21 08:47	08/12/21 20:32	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Kansas City								
Mercury	ND	ug/L	0.20	0.096	1	08/09/21 16:07	08/10/21 16:53	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270C by SIM Preparation Method: EPA 3510C Pace Analytical Services - Kansas City								
Acenaphthene	ND	ug/L	0.095	0.047	1	08/07/21 00:49	08/09/21 09:48	83-32-9	
Acenaphthylene	ND	ug/L	0.095	0.033	1	08/07/21 00:49	08/09/21 09:48	208-96-8	
Anthracene	ND	ug/L	0.095	0.065	1	08/07/21 00:49	08/09/21 09:48	120-12-7	
Benzo(a)anthracene	ND	ug/L	0.095	0.035	1	08/07/21 00:49	08/09/21 09:48	56-55-3	
Benzo(a)pyrene	ND	ug/L	0.095	0.071	1	08/07/21 00:49	08/09/21 09:48	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	0.095	0.051	1	08/07/21 00:49	08/09/21 09:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	0.095	0.040	1	08/07/21 00:49	08/09/21 09:48	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	0.095	0.042	1	08/07/21 00:49	08/09/21 09:48	207-08-9	
Chrysene	ND	ug/L	0.095	0.041	1	08/07/21 00:49	08/09/21 09:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	0.095	0.050	1	08/07/21 00:49	08/09/21 09:48	53-70-3	
Fluoranthene	ND	ug/L	0.48	0.19	1	08/07/21 00:49	08/09/21 09:48	206-44-0	
Fluorene	ND	ug/L	0.095	0.066	1	08/07/21 00:49	08/09/21 09:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/L	0.095	0.048	1	08/07/21 00:49	08/09/21 09:48	193-39-5	
Naphthalene	ND	ug/L	0.48	0.076	1	08/07/21 00:49	08/09/21 09:48	91-20-3	
Phenanthrene	ND	ug/L	0.48	0.39	1	08/07/21 00:49	08/09/21 09:48	85-01-8	
Pyrene	ND	ug/L	0.095	0.074	1	08/07/21 00:49	08/09/21 09:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	77	%	37-109		1	08/07/21 00:49	08/09/21 09:48	321-60-8	
Terphenyl-d14 (S)	88	%	34-120		1	08/07/21 00:49	08/09/21 09:48	1718-51-0	
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260 Pace Analytical Services - Kansas City								
Benzene	ND	ug/L	1.0	0.14	1		08/11/21 00:41	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		08/11/21 00:41	100-41-4	
Toluene	ND	ug/L	1.0	0.25	1		08/11/21 00:41	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.28	1		08/11/21 00:41	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	80-120		1		08/11/21 00:41	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120		1		08/11/21 00:41	460-00-4	
1,2-Dichlorobenzene-d4 (S)	100	%	80-120		1		08/11/21 00:41	2199-69-1	
Preservation pH	**1.0**		0.10		1		08/11/21 00:41		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Sample: EB-02S-WQ-20210804 **Lab ID: 60376929002** Collected: 08/04/21 07:00 Received: 08/06/21 03:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9012 Cyanide, Total	Analytical Method: EPA 9012A Preparation Method: EPA 9012A Pace Analytical Services - Kansas City								
Cyanide	ND	mg/L	0.0050	0.0031	1	08/10/21 09:25	08/10/21 14:45	57-12-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Sample: TB-02-WQ-20210802 **Lab ID: 60376929003** Collected: 08/02/21 12:05 Received: 08/06/21 03:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV GRO and Oxygenates	Analytical Method: EPA 8260 Pace Analytical Services - Kansas City								
Benzene	ND	ug/L	1.0	0.14	1		08/10/21 23:10	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		08/10/21 23:10	100-41-4	
Toluene	ND	ug/L	1.0	0.25	1		08/10/21 23:10	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.28	1		08/10/21 23:10	1330-20-7	
Surrogates									
Toluene-d8 (S)	100	%	80-120		1		08/10/21 23:10	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120		1		08/10/21 23:10	460-00-4	
1,2-Dichlorobenzene-d4 (S)	102	%	80-120		1		08/10/21 23:10	2199-69-1	
Preservation pH	**1.0**		0.10		1		08/10/21 23:10		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

QC Batch: 736941
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376929001, 60376929002

METHOD BLANK: 2955255 Matrix: Water
Associated Lab Samples: 60376929001, 60376929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	0.096	08/10/21 16:24	

LABORATORY CONTROL SAMPLE: 2955256

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.3	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2955257 2955258

Parameter	Units	60376810001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.76	5	5	5.7	6.0	99	105	75-125	5	20	

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REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

QC Batch: 737270
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376929001, 60376929002

METHOD BLANK: 2956215 Matrix: Water
Associated Lab Samples: 60376929001, 60376929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	ug/L	ND	10.0	7.8	08/12/21 20:12	
Barium	ug/L	ND	5.0	1.8	08/12/21 20:12	
Cadmium	ug/L	ND	5.0	0.53	08/12/21 20:12	
Chromium	ug/L	ND	5.0	1.6	08/12/21 20:12	
Lead	ug/L	ND	10.0	5.2	08/12/21 20:12	
Selenium	ug/L	ND	15.0	8.2	08/12/21 20:12	
Silver	ug/L	ND	7.0	1.9	08/12/21 20:12	

LABORATORY CONTROL SAMPLE: 2956216

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	1000	940	94	80-120	
Barium	ug/L	1000	910	91	80-120	
Cadmium	ug/L	1000	986	99	80-120	
Chromium	ug/L	1000	948	95	80-120	
Lead	ug/L	1000	986	99	80-120	
Selenium	ug/L	1000	961	96	80-120	
Silver	ug/L	500	467	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2956217 2956218

Parameter	Units	60376978001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	7.9J	1000	1000	1100	1100	110	109	75-125	0	20	
Barium	ug/L	47.1	1000	1000	980	963	93	92	75-125	2	20	
Cadmium	ug/L	0.68J	1000	1000	1130	1130	113	113	75-125	0	20	
Chromium	ug/L	<1.6	1000	1000	905	906	90	91	75-125	0	20	
Lead	ug/L	<5.2	1000	1000	857	857	85	85	75-125	0	20	
Selenium	ug/L	<8.2	1000	1000	1120	1110	111	111	75-125	0	20	
Silver	ug/L	<1.9	500	500	575	569	115	114	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

QC Batch: 737099
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV MO GRO Oxygenates
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376929001, 60376929002, 60376929003

METHOD BLANK: 2955777 Matrix: Water
Associated Lab Samples: 60376929001, 60376929002, 60376929003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	0.14	08/10/21 22:54	
Ethylbenzene	ug/L	ND	1.0	0.12	08/10/21 22:54	
Toluene	ug/L	ND	1.0	0.25	08/10/21 22:54	
Xylene (Total)	ug/L	ND	3.0	0.28	08/10/21 22:54	
1,2-Dichlorobenzene-d4 (S)	%	99	80-120		08/10/21 22:54	
4-Bromofluorobenzene (S)	%	98	80-120		08/10/21 22:54	
Toluene-d8 (S)	%	99	80-120		08/10/21 22:54	

LABORATORY CONTROL SAMPLE: 2955778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.8	94	80-120	
Ethylbenzene	ug/L	20	20.2	101	80-120	
Toluene	ug/L	20	18.6	93	80-120	
Xylene (Total)	ug/L	60	59.0	98	80-120	
1,2-Dichlorobenzene-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			98	80-120	
Toluene-d8 (S)	%			100	80-120	

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REPORT OF LABORATORY ANALYSIS

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(913)599-5665

QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

QC Batch: 736720
QC Batch Method: EPA 3510C
Analysis Method: EPA 8270C by SIM
Analysis Description: 8270 Water PAH by SIM MSSV
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376929001, 60376929002

METHOD BLANK: 2954432 Matrix: Water
Associated Lab Samples: 60376929001, 60376929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	ug/L	ND	0.10	0.049	08/09/21 10:02	
Acenaphthylene	ug/L	ND	0.10	0.034	08/09/21 10:02	
Anthracene	ug/L	ND	0.10	0.069	08/09/21 10:02	
Benzo(a)anthracene	ug/L	ND	0.10	0.037	08/09/21 10:02	
Benzo(a)pyrene	ug/L	ND	0.10	0.074	08/09/21 10:02	
Benzo(b)fluoranthene	ug/L	ND	0.10	0.053	08/09/21 10:02	
Benzo(g,h,i)perylene	ug/L	ND	0.10	0.042	08/09/21 10:02	
Benzo(k)fluoranthene	ug/L	ND	0.10	0.044	08/09/21 10:02	
Chrysene	ug/L	ND	0.10	0.043	08/09/21 10:02	
Dibenz(a,h)anthracene	ug/L	ND	0.10	0.053	08/09/21 10:02	
Fluoranthene	ug/L	ND	0.50	0.20	08/09/21 10:02	
Fluorene	ug/L	ND	0.10	0.070	08/09/21 10:02	
Indeno(1,2,3-cd)pyrene	ug/L	ND	0.10	0.050	08/09/21 10:02	
Naphthalene	ug/L	ND	0.50	0.080	08/09/21 10:02	
Phenanthrene	ug/L	ND	0.50	0.41	08/09/21 10:02	
Pyrene	ug/L	ND	0.10	0.077	08/09/21 10:02	
2-Fluorobiphenyl (S)	%	75	37-109		08/09/21 10:02	
Terphenyl-d14 (S)	%	97	34-120		08/09/21 10:02	

LABORATORY CONTROL SAMPLE: 2954433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/L	10	7.8	78	46-102	
Acenaphthylene	ug/L	10	8.3	83	48-112	
Anthracene	ug/L	10	8.9	89	50-114	
Benzo(a)anthracene	ug/L	10	8.7	87	52-124	
Benzo(a)pyrene	ug/L	10	8.6	86	56-119	
Benzo(b)fluoranthene	ug/L	10	8.7	87	49-116	
Benzo(g,h,i)perylene	ug/L	10	8.8	88	43-120	
Benzo(k)fluoranthene	ug/L	10	8.9	89	48-110	
Chrysene	ug/L	10	8.3	83	53-105	
Dibenz(a,h)anthracene	ug/L	10	8.7	87	39-127	
Fluoranthene	ug/L	10	8.2	82	54-122	
Fluorene	ug/L	10	7.4	74	47-109	
Indeno(1,2,3-cd)pyrene	ug/L	10	8.8	88	47-124	
Naphthalene	ug/L	10	7.4	74	42-103	
Phenanthrene	ug/L	10	8.3	83	47-107	
Pyrene	ug/L	10	9.1	91	44-104	
2-Fluorobiphenyl (S)	%			74	37-109	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

LABORATORY CONTROL SAMPLE: 2954433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			85	34-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

QC Batch: 740454
QC Batch Method: EPA 9012A
Analysis Method: EPA 9012A
Analysis Description: EPA 9012 Cyanide
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60376929001, 60376929002

METHOD BLANK: 2967296 Matrix: Water
Associated Lab Samples: 60376929001, 60376929002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	0.0031	08/10/21 14:32	

LABORATORY CONTROL SAMPLE: 2967297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.098	98	69-126	

SAMPLE DUPLICATE: 2967300

Parameter	Units	60376929001 Result	Dup Result	RPD	Max RPD	Qualifiers
Cyanide	mg/L	ND	ND		20	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: AMEREN CHAMPAIGN MGP GW
Pace Project No.: 60376929

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60376929001	**EB-01S-WQ-20210802**	EPA 3010	737270	EPA 6010	737358
60376929002	**EB-02S-WQ-20210804**	EPA 3010	737270	EPA 6010	737358
60376929001	**EB-01S-WQ-20210802**	EPA 7470	736941	EPA 7470	737035
60376929002	**EB-02S-WQ-20210804**	EPA 7470	736941	EPA 7470	737035
60376929001	**EB-01S-WQ-20210802**	EPA 3510C	736720	EPA 8270C by SIM	736779
60376929002	**EB-02S-WQ-20210804**	EPA 3510C	736720	EPA 8270C by SIM	736779
60376929001	**EB-01S-WQ-20210802**	EPA 8260	737099		
60376929002	**EB-02S-WQ-20210804**	EPA 8260	737099		
60376929003	**TB-02-WQ-20210802**	EPA 8260	737099		
60376929001	**EB-01S-WQ-20210802**	EPA 9012A	740454	EPA 9012A	740595
60376929002	**EB-02S-WQ-20210804**	EPA 9012A	740454	EPA 9012A	740595

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Sample Condition Upon Receipt

WO# : 60376929

60376929

Client Name: ERM

Courier: FedEx ☐ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☑ Client ☐ Other ☐

Tracking #: _____ Pace Shipping Label Used? Yes ☐ No ☑

Custody Seal on Cooler/Box Present: Yes ☑ No ☐ Seals intact: Yes ☑ No ☐

Packing Material: Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐ pdc

Thermometer Used: T-296 **Type of Ice:** Wet Blue None

Cooler Temperature (°C): As-read 2.3 Corr. Factor -0.3 Corrected 2.0

Date and initials of person examining contents: 8.6.21 Q

Temperature should be above freezing to 6°C

Chain of Custody present:	☑Yes ☐No ☐N/A	
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	
Samples arrived within holding time:	☑Yes ☐No ☐N/A	
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	
Sufficient volume:	☑Yes ☐No ☐N/A	
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	
Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs?	☐Yes ☐No ☑N/A	
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	
Sample labels match COC: Date / time / ID / analyses	☑Yes ☐No ☐N/A	
Samples contain multiple phases? Matrix: WT	☐Yes ☑No ☐N/A	
Containers requiring pH preservation in compliance? (HNO3, H2SO4, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# 603173, 603222	☑Yes ☐No ☐N/A	List sample IDs, volumes, lot #'s of preservative and the date/time added.
Cyanide water sample checks:		
Lead acetate strip turns dark? (Record only)	☐Yes ☑No	
Potassium iodide test strip turns blue/purple? (Preserve)	☐Yes ☑No	
Trip Blank present:	☑Yes ☐No ☐N/A	2-VHgH CTB)
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	
Samples from USDA Regulated Area: State:	☐Yes ☐No ☑N/A	
Additional labels attached to 5035A / TX1005 vials in the field?	☐Yes ☐No ☑N/A	

Client Notification/ Resolution: Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

REVIEWED
By jchurch at 4:15 pm, 8/6/21

Project Manager Review: Date: _____

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Section A Required Client Information:

Company:	ERM
Address:	2 CityPlace Drive, Ste 70
	St. Louis, MO 63141
Email To:	jarred.schmidt@erm.com
Phone: 314-733-4490	Fax:
Requested Due Date/TAT:	Standard TAT

Section B Required Project Information:

Report To:	Jarred Schmidt
Copy To:	
Purchase Order No.:	0584559
Project Name:	Ameren Champaign MGP GW
Project Number:	0584559

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	Jamie Church
Pace Profile #:	14867

REGULATORY AGENCY

☐ NPDES ☑ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IL

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	8260 BTEX	8270 PAHs SIM	RCRA 8 Metals	Cyanide total 9012A	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	EB-01S-WQ-20210802	WT				8/2/21	1230												X	X	X	X		60376929 BP3N, BP3C, 3-VOA#, 1AGHU (2)
2	EB-02S-WQ-20210804	WT				8/4/21	0700												X	X	X	X		
3	TB-02-WQ-20210802	OT				8/2/21	1205												X					
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
0.0075 mg/L detection limit for Pb	(ERM)	8/5/2021	1435	Angela M	8/5/21	1440				
LVL 4 Package	Angela M	8/5/2021	1440	E Brockett IPace	8.6.21	0350	2.0	Y	Y	Y
pH										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

ERM

1050 SW 6th Avenue
Suite 1650
Portland, OR 97204

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

www.erm.com

Memorandum

To	Lacy Smith
From	Rachel James
Date	07 September 2021
Reference	0584559
Subject	Data Review of Ameren Champaign Groundwater Samples Third Quarter 2021: Teklab, Inc. Data Package 21080373R and Pace Analytical Data Package 60376929.

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. Field duplicates were assessed following *Environmental Data Review Supplement for Region 1 Data Review Elements and Superfund Specific Guidance/Procedures*, June 2018.

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-118-WG-20210803, UMW-124-WG-20210804, UMW-127-WG-20210804, UMW-302-WG-20210804,

DUP-002-WG-20210804, and DUP-003-WG--20210804) 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 had the correct chemical preservation, with the exception of seven of the 32 samples for metals analysis and five of the 32 samples for cyanide analysis. The laboratory added additional nitric acid to the affected metals samples and added additional sodium hydroxide to the affected cyanide samples. The pH was within the requirement of less than 2 for the metals samples and greater than 12 for the cyanide samples and no qualifications were applied. The samples received with inadequate preservation are presented in Table 1.

The samples were prepared and analyzed within the method-prescribed time period from the date of collection with one exception. Equipment blank sample EB-02-WQ-20210804 was reanalyzed for naphthalene past the holding time due to carryover and laboratory contamination in the original analyses. The reanalysis result was qualified by Teklab with an (H) flag. The H flag has been removed and the non-detected result was qualified as an estimate (UJ) due to the holding time exceedance. The qualified result is displayed in Table 2.

BLANK EVALUATION

The method and trip blank sample results were non-detected for each of the target analytes. No data were qualified on the basis of the blank evaluation. The blank results indicate that no contaminants were introduced to the samples during processing or analysis in the laboratory or during shipment, handling, and storage.

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, with the exception noted in Table 3. The cyanide LCS recovery was above the control limit in batch 180563; however, no cyanide results were reported from this batch and qualifications were not necessary.

MATRIX SPIKE EVALUATION

The laboratory prepared both project and non-project samples for MS/MSD analysis. MS/MSD samples from non-project parent samples are not representative of the matrix for this project and were therefore not reviewed in this validation effort. For the MS/MSDs prepared from project samples, the recoveries and RPDs were within the laboratory's limits of acceptance, with one exception. Phenanthrene was recovered above the control limit in the MSD sample prepared from UMW-307-WG-20210803. The RPD was also above the control limit. Teklab qualified this result in the parent sample with (S) and (R) flags. The recovery was within the control limits in the paired MS sample; therefore, the result in the parent sample was not qualified due to the MS recovery alone. The S and R flags have been removed. The matrix spike outliers are presented in Table 3.

SURROGATE SPIKE EVALUATION

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

INTERNAL STANDARD EVALUATION

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

LABORATORY DUPLICATE EVALUATION

The laboratory prepared one project sample as a laboratory duplicate. The RPDs for detected analytes were within the control limits. The acceptable RPDs indicate acceptable laboratory precision.

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 4. 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). Professional judgement was used if one result was greater than the RL and the other was not detected (ND). In this instance the reporting limit for the ND result was used in the difference calculation. All analytes in the parent sample/field duplicate pairs met the control limits.

RECALCULATION

All result recalculations agreed with reported results.

OVERALL ASSESSMENT

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

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

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
21080373R	UMW-107R-WG-20210803	6010B	pH > 2	pH < 2	Lab added nitric acid upon receipt and samples were successfully preserved.	--
	UMW-111A-WG-20210802					
	UMW-122-WG-20210803					
	UMW-127-WG-20210804					
	UMW-302-WG-20210804					
	UMW-307-WG-20210803					
	DUP 003-WG-20210804					
	UMW-106R-WG-20210803	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and samples were successfully preserved.	--
	UMW-107R-WG-20210803					
	UMW-122-WG-20210803					
	UMW-300-WG-20210803					
	UMW-307-WG-20210803					

Lab packages reviewed: 21080373R and 60376929

Table 2
Samples with Exceeded Holding Times
Third Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Extraction Holding Time	Time Exceeded	Analysis Holding Time	Time Exceeded	Affected Analyte	ERM Qualifier
21080373R	EB-02-WQ-20210804	8270C	7 days	19 days	40 days	--	Naphthalene	UJ

Lab packages reviewed: 21080373R and 60376929

Notes:

EB = Equipment blank

UJ = Nondetected, estimated report limit

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

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
LCS/LCSD										
21080373R	LCS 210806 TCN2	None for qualification	Cyanide	708.4	90-110	--	--	--	--	--
MS/MSD										
21080373R	UMW-307-WG-20210803 MS/MSD	UMW-307-WG-20210803	Phenanthrene	87.3/156.9	36.6-139	56.95	40	--	--	--

Lab packages reviewed: 21080373R and 60376929

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

Table 4
Field Duplicate Results and Calculated Relative Percent Differences
Third 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						
21080373R	UMW-126-WG-20210804/ DUP 001-WG-20210804	Barium	0.0298	0.0300	0.0050	0.0050	--	--	mg/L	0.7	30	--
		Naphthalene	0.000928	0.000733	0.000400	0.000400	0.000195	0.000800	mg/L	--	--	--
		Benzene	80.3	78.5	0.5	0.5	--	--	µg/L	2.3	30	--
	UMW-124-WG-20210804/ DUP 002-WG-20210804	Cyanide	0.012	0.014	0.005	0.005	0.002	0.010	mg/L	--	--	--
		Barium	0.0315	0.0320	0.0125	0.0125	0.0005	0.0250	mg/L	--	--	--
		Acenaphthene	0.000570	0.000502	0.000100	0.000100	--	--	mg/L	13	30	--
		Acenaphthylene	0.000373	0.000348	0.000100	0.000100	0.000025	0.000200	mg/L	--	--	--
		Fluorene	0.000209	ND[1]	0.000200	0.000200	0.000009	0.000400	mg/L	--	--	--
		Naphthalene	0.0661	0.0657	0.0200	0.0100	0.0004	0.0400	mg/L	--	--	--
		Benzene	92.0	97.1	0.5	0.5	--	--	µg/L	5.4	30	--
		Ethylbenzene	11.9	12.6	2.0	2.0	--	--	µg/L	5.7	30	--
		Toluene	70.7	75.5	2.0	2.0	--	--	µg/L	6.6	30	--
		Xylene, Total	34.5	36.4	4.0	4.0	--	--	µg/L	5.4	30	--
	UMW-302-WG-20210804/ DUP 003-WG-20210804	Cyanide	0.073	0.079	0.025	0.025	0.006	0.050	mg/L	--	--	--
		Barium	0.0527	0.0510	0.0025	0.0025	--	--	mg/L	3.3	30	--
		Acenaphthene	0.000691	0.000824	0.000100	0.000100	--	--	mg/L	18	30	--
		Acenaphthylene	0.000585	0.000621	0.000100	0.000100	--	--	mg/L	6.0	30	--
		Naphthalene	2.59	2.56	0.400	0.400	--	--	mg/L	1.2	30	--
		Benzene	316	319	5.0	5.0	--	--	µg/L	0.9	30	--
		Ethylbenzene	804	804	20.0	20.0	--	--	µg/L	0	30	--
		Xylene, Total	205	244	40.0	40.0	--	--	µg/L	17	30	--

Lab packages reviewed: 21080373R and 60376929

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

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