February 9, 2021

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

Re: Groundwater Monitoring Update – Quarter 4, 2020 Sampling Event
Champaign Former Manufactured Gas Plant, Champaign, Illinois

Dear Mr. Hall:

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

Attachment 1 to this letter is the groundwater monitoring summary report for the fourth quarter of 2020, which was performed in October 2020. This report discusses the analytical results of the quarterly groundwater monitoring event. Additional groundwater monitoring events are scheduled to be performed each quarter in 2021.

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

Respectfully,

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

ERM

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January 20, 2021

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

Subject: Groundwater Monitoring Summary
Fourth Quarter 2020 Sampling Event
Champaign Former MGP Site, Champaign, Illinois

Dear Mr. Hall:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the fourth quarter 2020 groundwater sampling event at the Champaign Former Manufactured Gas Plant Site (Site), located at 308 N. 5th Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted in October 2020.

INTRODUCTION

Groundwater sampling activities for the fourth quarter 2020 monitoring event were conducted from October 12 through 14. During the sampling event, groundwater samples were collected from 28 monitoring wells, which include seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on October 12, 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, water samples were collected in containers provided by the laboratory, and placed in ice-filled coolers pending delivery to the analytical laboratory.

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

Groundwater level measurement data for the fourth quarter 2020 included the depth to water below each well's top of casing, and calculated groundwater elevation, and is 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 this event are summarized in Table 2. The concentrations reported in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater remedial objective (RO) are highlighted. The monitoring well locations where sample results exceeded a RO are also shown on Figure 3. The laboratory analytical reports prepared by Teklab are provided in Attachment 1.

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

Purge water that was collected from the monitoring wells during the fourth quarter 2020 groundwater sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the October groundwater sampling event. This purge water, in addition to purge water left from the 3rd quarter 2020 sampling event, was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on October 15th 2020, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured depths to groundwater and the calculated water level elevations at the Champaign Site for the October 2020 sampling event are shown on Table 1. The depth to groundwater in the shallow monitoring wells ranged from4.36 to 11.48 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 4.36 to 6.46 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 October 2020 were calculated to be 0.017 (UMW-124 to UMW-105), 0.0097 (UMW-124 to UMW-116), and 0.0094 (UMW-125 to UMW-109) foot per foot (ft/ft). This range of values reflects the general gradients to the south, west and north from the Site, respectively.

The depths to groundwater in the nine monitoring wells that monitor the intermediate groundwater unit, ranged from 27.72 to 30.29 feet BLS. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south and southeast, with a groundwater gradient of approximately 0.0011 ft/ft across the Site (UMW-300 to UMW-308).

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples collected during the October 2020 sampling event exceeded at least one Class I or Class II ingestion RO, or groundwater (vapor) inhalation RO for indoor air at residential sites (inhalation RO). The shallow groundwater unit is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Two of the 28 monitoring

wells sampled in the fourth quarter 2020 had at least one MGP-related constituent exceeding a respective Class I or II ingestion, or inhalation RO.

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

Monitoring well locations where concentrations of organic constituents (BTEX or PAHs) from the October sampling event exceeded their respective RO included shallow monitoring well UMW-124, and intermediate well UMW-302. A benzene concentration of 0.0841 mg/L was reported in shallow on-site monitoring well UMW-124, which exceeds the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents measured in the other eighteen shallow monitoring wells located on-site or off-site were below their respective Class II RO.

Benzene and naphthalene were reported in samples collected from intermediate well UMW-302, at concentrations of 0.306 and 1.68 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005 and 0.14 mg/L. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceed 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 well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

Data Validation

ERM reviewed analytical data from the fourth quarter 2020 groundwater sampling event for compliance with quality assurance/quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples. Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-118-WG-20201013, UMW-124-WG-20201014, UMW-127-WG-20201014, UMW-302-WG-20201014, DUP-001-WG-20201014, and DUP 003-WG-20201014). A summary of the results of data validation is included with the analytical report in Attachment 1.

The results of the data validation indicated that data from the fourth quarter 2020 groundwater sampling event did not require modification, other than addition of qualifiers. Naphthalene was detected in equipment blank sample, EB-01-WQ-20201014, at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. Results within five times the blank concentration and greater than the reporting limit were qualified as estimated with a high bias (J+).

The detection of low-level concentrations of naphthalene in the equipment blank sample has been a reoccurring issue in recent sampling events. While low-level concentrations of naphthalene have been detected in the equipment blank samples, naphthalene is absent at detectable concentrations in the groundwater samples collected from the proceeding and following wells. This indicates that cross-contamination from the water level meter probe tip is not adversely affecting groundwater sample results. ERM continues to evaluate decontamination methods and procedures to identify and resolve the cause of this issue.

ERM plans to submit samples from the blank water, in addition to the equipment rinsate samples, to provide a comparison for the evaluation of potential background contamination sources. A discussion of this issue, and the steps taken to resolve, will be provided in the Groundwater Monitoring Summary for the Fourth Quarter 2021 Sampling Event.

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 four samples at time of receipt, low matrix spike recoveries for cyanide in samples collected from UMW-305 and UMW-306, high matrix spike recoveries, high surrogate recoveries, and inconsistent quantification of cyanide in the sample collected from UMW-305; however, the validation process determined that these issues had no effect on data quality and no validation qualifiers were applied. The laboratory qualifiers applied for these issues are therefore not displayed in Table 2. There were no numerical changes to the data as a result of the data validation.

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

CONCLUSIONS – 4th Quarter Results

Based on the data collected during the October sampling event, on-site monitoring well UMW-124 was 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 sample that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (cyanide or 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 which exceeded groundwater ROs: monitoring well UMW-302, located south of the Site. Benzene, ethylbenzene, and naphthalene were reported in UMW-302 at concentrations exceeding the Class I groundwater ingestion ROs and the groundwater inhalation ROs for indoor air.

CONCLUSIONS – SUMMARY OF ANNUAL RESULTS

The analytical results from sampling events completed during the two-year period between September 2018 and October 2020 are summarized on Table 3. The tabular display of the analytical results was used to assess changes in constituent concentrations over time.

Summary of Remedial Objectives Exceeded

Groundwater Ingestion Pathway

Exceedances of the groundwater ingestion ROs for the shallow and intermediate groundwater units (Class II or Class I ROs, respectively) for the four groundwater sampling events completed in 2020 were limited to the following well locations and constituents.

- UMW-124: benzene (0.025 mg/L Class II groundwater ingestion RO), all four events with reported concentrations of 0.133, 0.0745, 0.116, and 0.0841 mg/L, respectively.

- UMW-126: benzene (0.025 mg/L Class II groundwater ingestion RO), the first three events with reported concentrations of 0.118, 0.0742, 0.136 mg/L, respectively. The fourth quarter result was reported at 0.0186 mg/L, below the RO value.
- UMW-302:
    - benzene (0.005 mg/L Class I groundwater ingestion RO), all four events with reported concentrations of 0.391, 0.426, 0.197, and 0.306 mg/L, respectively.
    - ethylbenzene (0.7 mg/L Class I groundwater ingestion RO), the first, second, and fourth quarter events with reported concentrations of 0.863, 0.961, and 0.751 mg/L, respectively. The third quarter result was reported at 0.698 mg/L, below the RO value.
    - naphthalene (0.14 mg/L Class I groundwater ingestion RO), all four events with reported concentrations of 2.42, 3.08, 1.84, and 1.68 mg/L, respectively.

Indoor Inhalation Pathway

Exceedance of the groundwater remedial objective for the indoor inhalation pathway for residential sites for the four groundwater sampling events completed in 2020 was limited to the following well locations and constituents:

- UMW-124: benzene (0.11 mg/L RO), the first and third events with reported concentrations of 0.133 and 0.116 mg/L, respectively. The second and fourth quarter results were 0.0745 and 0.0841 mg/L, respectively, below the RO value.
- UMW-126: benzene (0.11 mg/L RO), the first and third events with reported concentrations of 0.118, 0.136 mg/L, respectively. The third and fourth quarter results were 0.0742, and 0.0186 mg/L, below the RO value.
- UMW-302:
    - benzene (0.11 mg/L RO), all four events with reported concentrations of 0.391, 0.426, 0.197, and 0.306 mg/L, respectively.
    - ethylbenzene (0.37 mg/L RO), all four events with reported concentrations of 0.863, 0.961, 0.598, and 0.751 mg/L, respectively.
    - naphthalene (0.075 mg/L RO), all four events with reported concentrations of 2.42, 3.08, 1.84, and 1.68 mg/L, respectively.

Analytical Trends

The analytical results from sampling events completed during the two-year period between September 2018 and October 2020 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 Figure 4 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.

Naphthalene detections continue to be a problem in the equipment blank samples. Naphthalene was detected at low-level concentrations in the equipment blank samples from the second, third and fourth quarter 2020 sampling events, at 0.00168, 0.00358, and 0.00273 mg/L, respectively. Attempts to mitigate detections in the equipment blanks include a rigorous decontamination procedure in between sample locations and prior to collecting the equipment blank, involving several rinses with Alconox® detergent, methanol, and distilled water. During the fourth quarter event, a second blank sample was collected of the lab-provided distilled water by itself, in addition to the standard equipment blank. While the water blank sample did not have any detections, the equipment blank sample did have a detection of naphthalene. Although there is no evidence of cross-contamination in any of the groundwater samples both current and historic, ERM will continue efforts to minimize and eliminate any potential sources of cross-contamination and detections in equipment blank samples.

The next quarterly groundwater sampling event is scheduled to be completed in February 2021. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Gregory Moore, PE
Consultant II, Engineer

Tom H. Stiegemeier, P.E.
Principal Consultant, Engineer

Attachments
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 Locations

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

Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures

DRAWN BY: GIS

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2020 Q4 GWM\Figure 1 Shallow Groundwater Levels Oct 2020.mxd REVISED: 01/12/2021 , SCALE: 1:1,000 when printed at 11x17

E Washington St

UMW-109
728.23

UMW-111A
727.90

728

UMW-118
728.04

UMW-119
729.82

UMW-120
730.11

729

730

UMW-108
729.67

731

UMW-125
731.09

UMW-102
729.68

UMW-117
729.46

UMW-116
729.14

E Hill St

UMW-107R
729.92

N 5Th St

UMW-127
731.20

UMW-124
731.16

728

UMW-126
731.22

UMW-106R
729.34

UMW-122
727.30

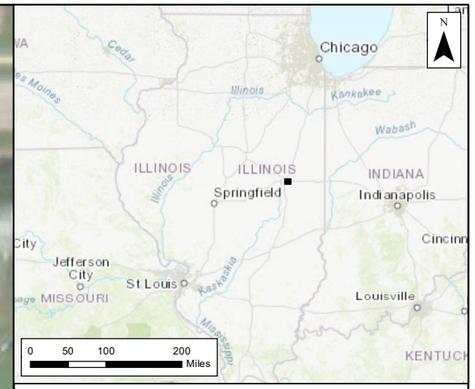
UMW-105
728.58

UMW-121
729.98

UMW-123
728.36

N 6Th St

E Church St



Legend

- Shallow Monitoring Well with Oct 12 2020 Groundwater Elevation
- October 12 2020 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 1
Shallow Groundwater Elevation Contours
October 12 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
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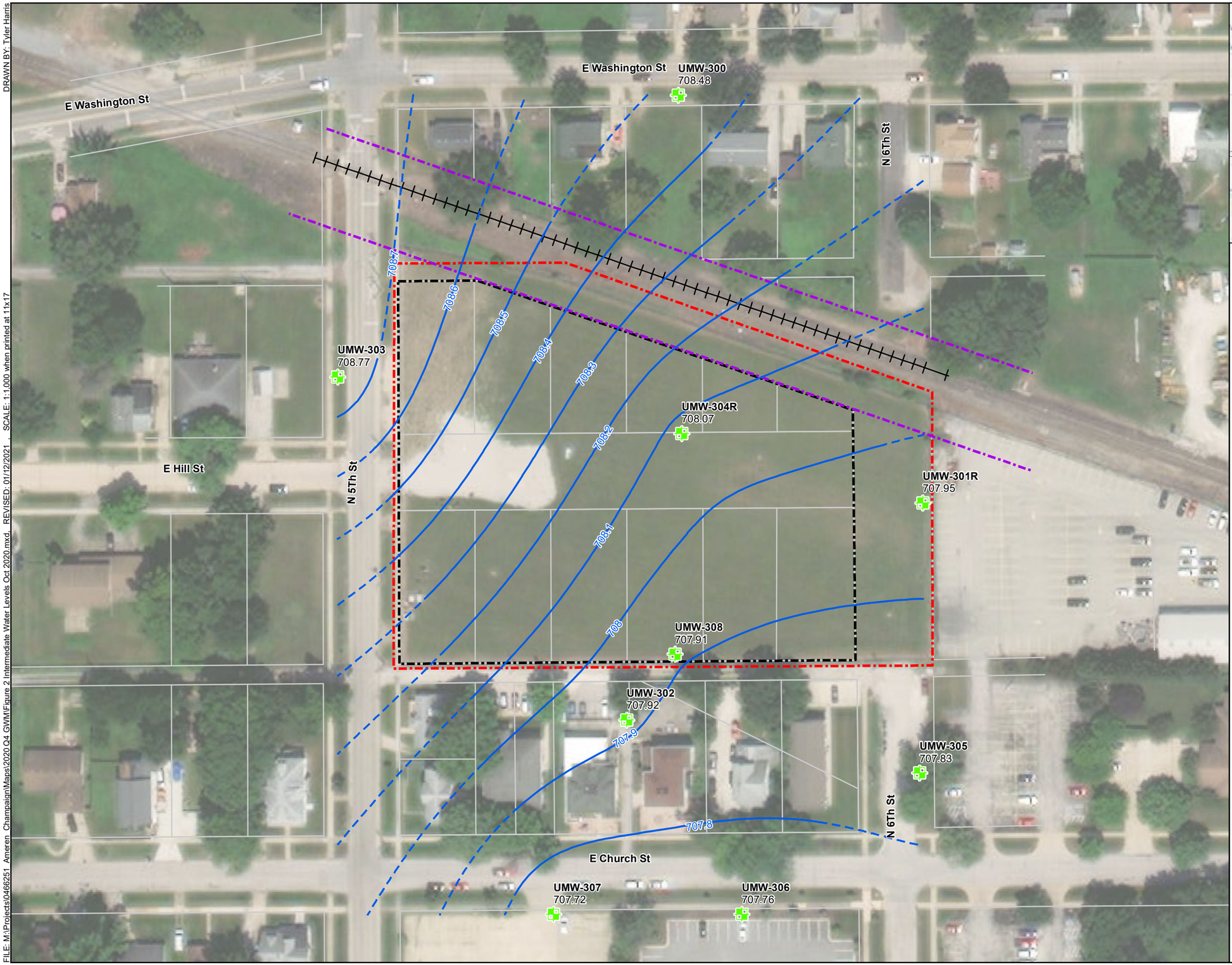

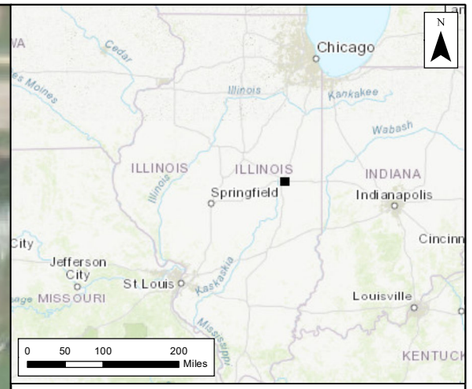

Legend

- Intermediate Monitoring Well with Oct 12 2020 Groundwater Elevation
- Oct 12 2020 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N

0 80 160
Feet

Figure 2
Intermediate Groundwater Elevation Contours
October 12 2020
Ameren Services
Champaign, Illinois

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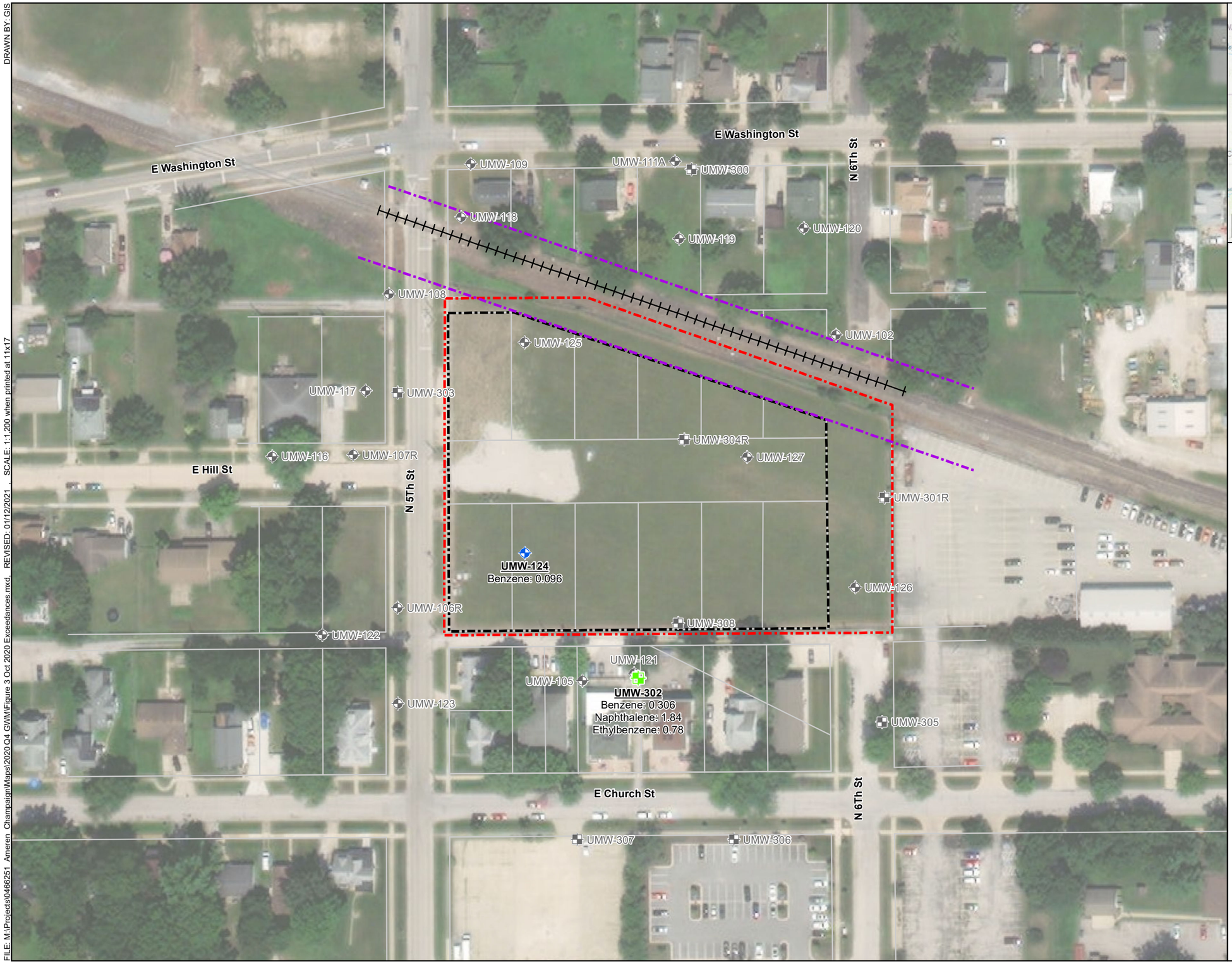

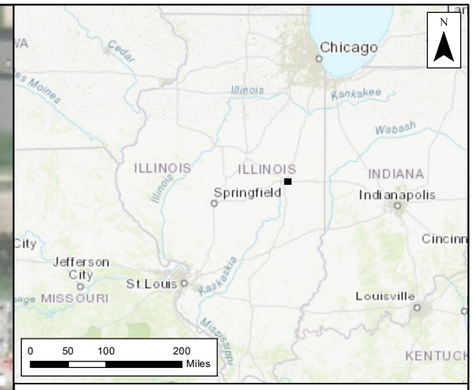

Legend

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

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

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
October 12-14 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
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FILE: M:\Projects\0466251 Ameren Champaign\Maps\2020 Q4 GWM\Figure 3 Oct 2020 Exceedances.mxd, REVISED: 01/12/2021 , SCALE: 1:1 200 when printed at 11x17

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

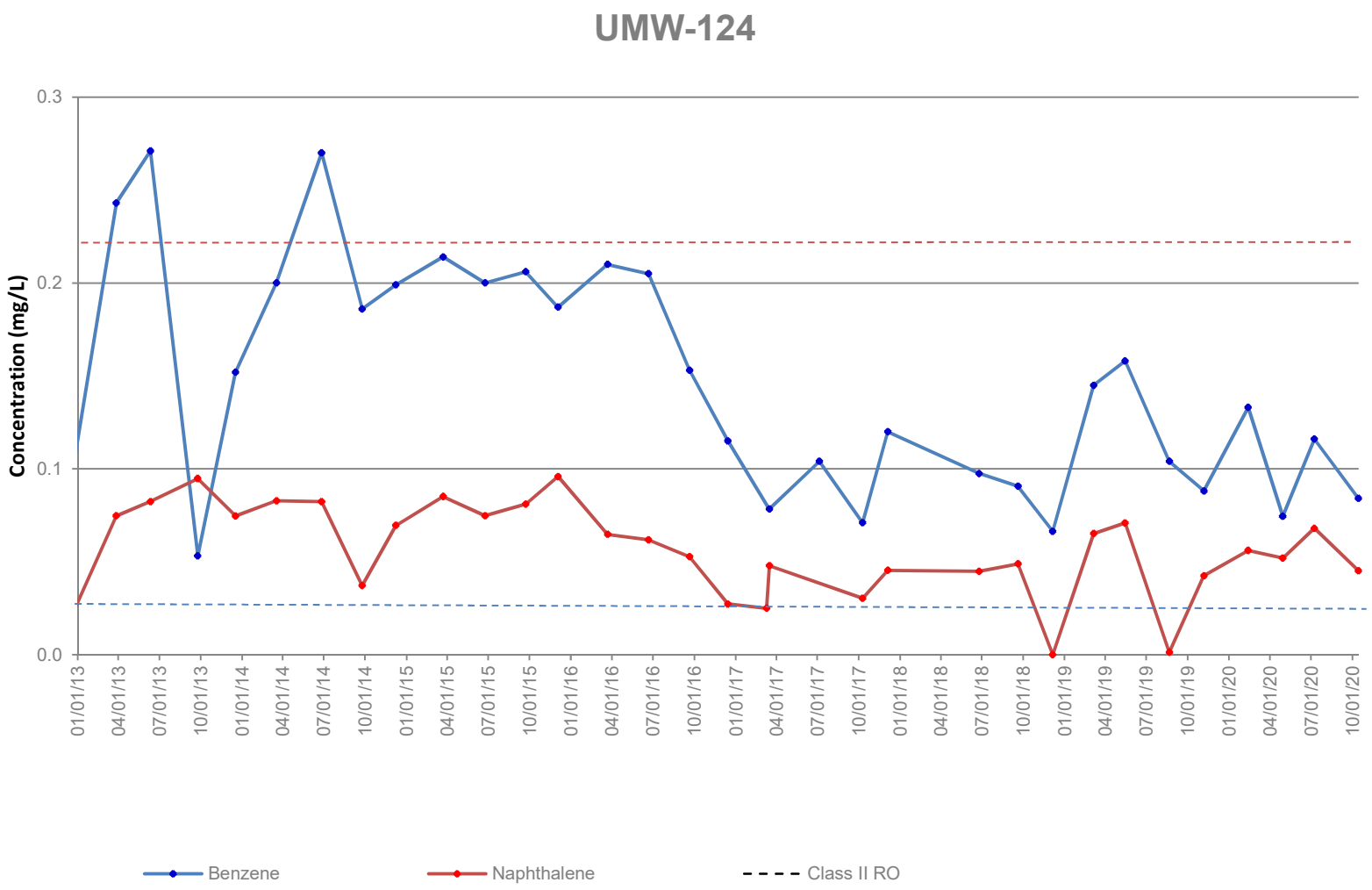


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

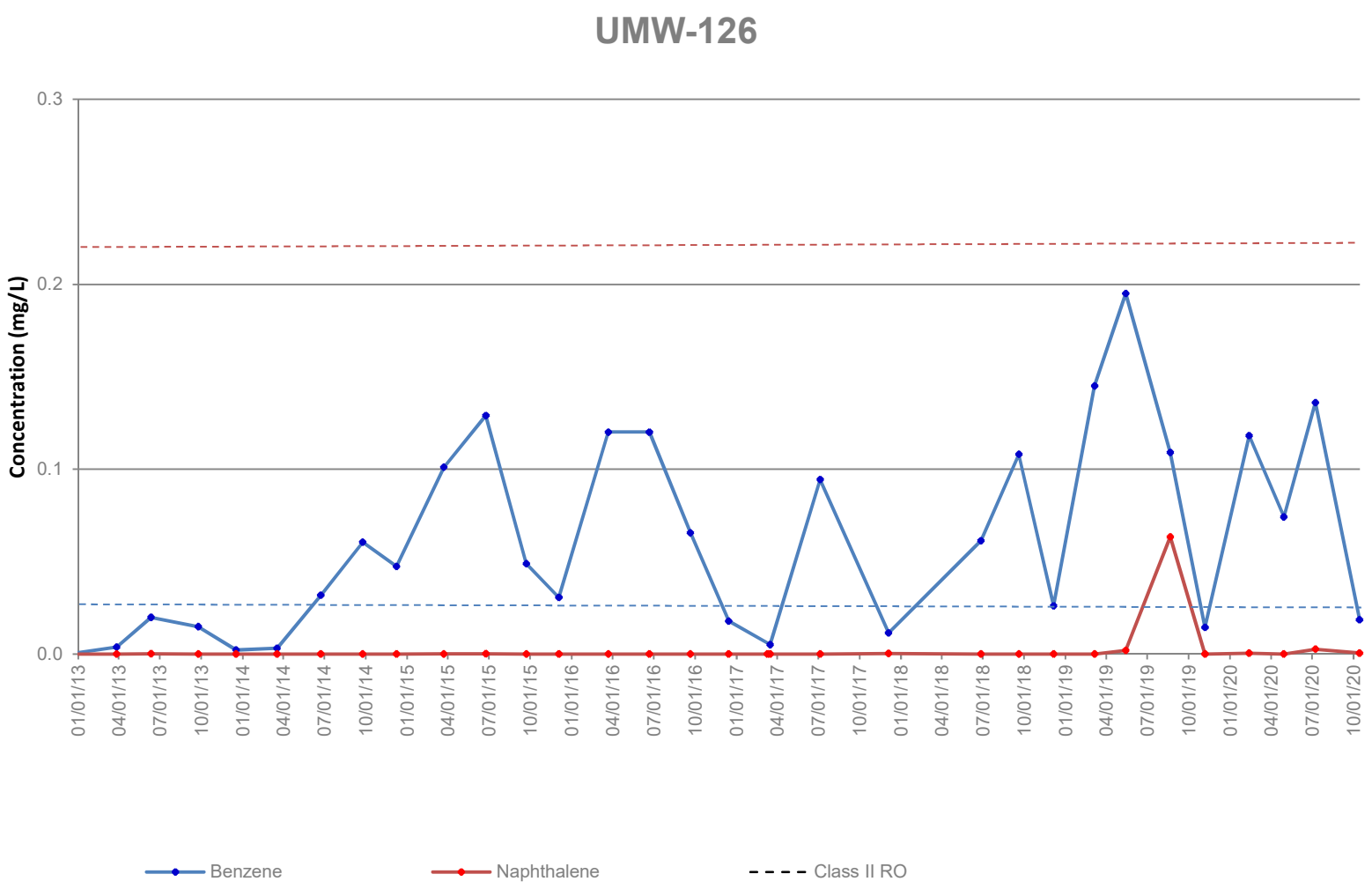
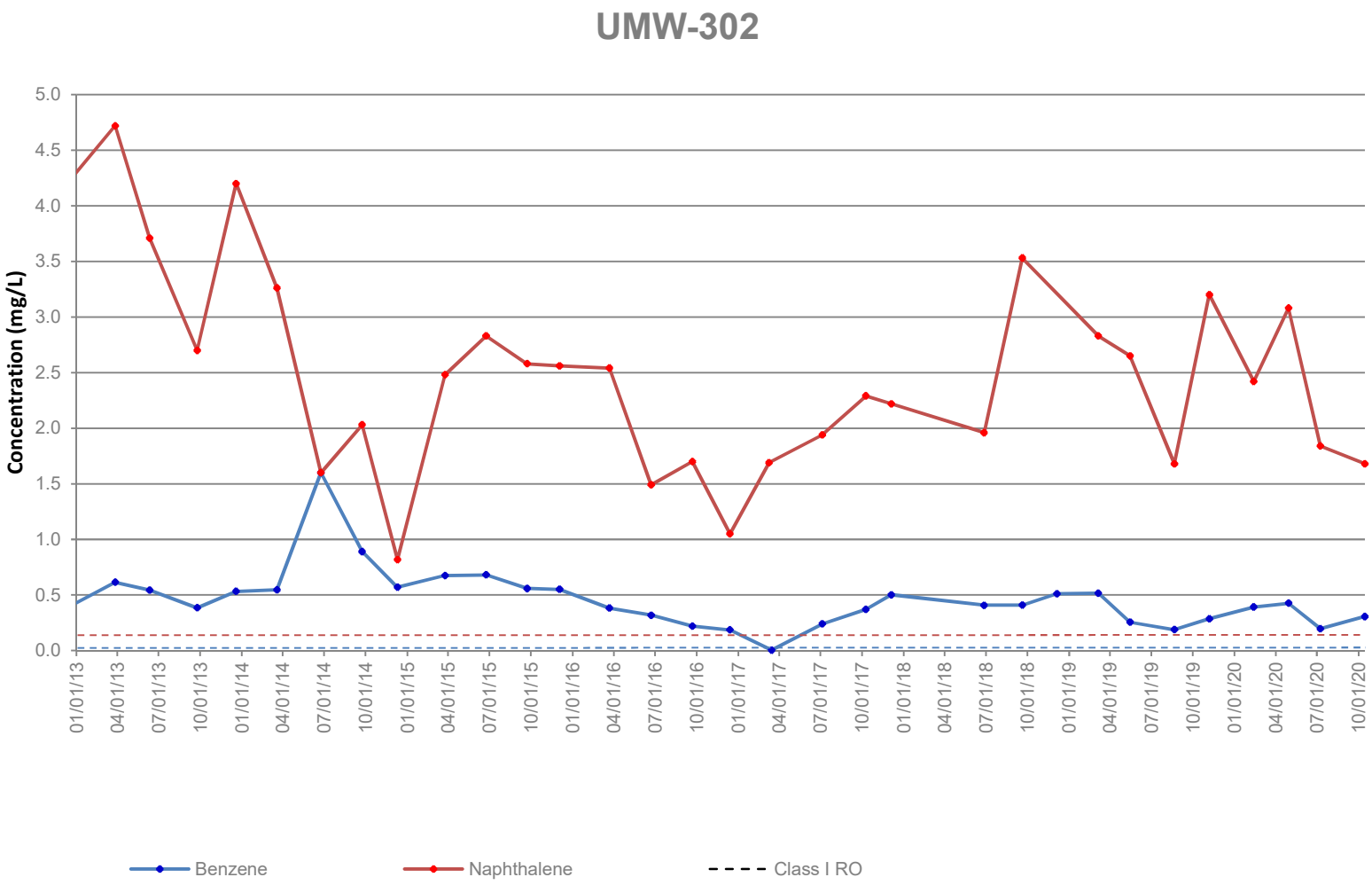


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1
Groundwater Elevation Data
October 12, 2020
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 10/12/2020		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 - 22.0	17	736.95	737.33	7.27	729.68	3.25	120	10/12/20
UMW-105	19.70	9.50 - 19.70	17	736.96	737.33	8.38	728.58	2.00	130	10/14/20
UMW-106R	17.00	7.00 - 17.00	15	736.81	737.06	7.47	729.34	2.50	180	10/13/20
UMW-107R	19.70	9.50 - 19.70	17.7	736.51	736.93	6.59	729.92	2.25	250	10/13/20
UMW-108	15.00	4.80 - 15.00	13	736.49	736.73	6.82	729.67	1.50	300	10/13/20
UMW-109	20.00	10.00 - 20.00	18	734.74	735.13	6.51	728.23	2.50	100	10/13/20
UMW-111A	22.80	9.00 - 22.80	17	736.34	736.63	8.44	727.90	2.50	150	10/13/20
UMW-116	20.00	10.00 - 20.00	18	735.86	736.13	6.72	729.14	2.25	260	10/13/20
UMW-117	15.00	5.00 - 15.00	13	737.16	737.44	7.70	729.46	1.75	320	10/13/20
UMW-118	15.00	5.00 - 15.00	13	735.83	736.06	7.79	728.04	2.00	200	10/13/20
UMW-119	15.00	5.00 - 15.00	13	736.43	736.72	6.61	729.82	2.00	200	10/12/20
UMW-120	15.00	5.00 - 15.00	13	736.65	737.16	6.54	730.11	2.25	250	10/12/20
UMW-121	15.00	5.00 - 15.00	13	738.09	738.43	8.11	729.98	1.75	200	10/14/20
UMW-122	19.75	5.00 - 15.00	13	738.78	739.07	11.48	727.30	1.50	100	10/13/20
UMW-123	15.89	5.89 - 15.89	13.9	736.87	737.16	8.51	728.36	1.50	340	10/13/20
UMW-124 *	15.27	4.97 - 15.02	13.3	736.73	736.91	5.57	731.16	1.75	300	10/14/20
UMW-125 *	15.33	5.06 - 15.11	13.1	737.55	737.68	6.46	731.09	1.75	200	10/14/20
UMW-126 *	15.40	5.13 - 15.18	13.4	736.01	736.18	4.79	731.22	1.75	150	10/14/20
UMW-127 *	15.38	5.11 - 15.16	13.4	735.56	735.77	4.36	731.20	2.00	175	10/14/20
UMW-300	45.00	35.00 - 45.00	42	736.20	736.42	27.72	708.48	2.75	200	10/13/20
UMW-301R *	46.65	36.50 - 46.05	44	735.74	735.83	27.79	707.95	3.00	500	10/14/20
UMW-302	45.00	35.00 - 45.00	43	738.21	738.51	30.29	707.92	2.50	300	10/14/20
UMW-303	45.00	35.00 - 45.00	43	736.68	737.01	27.91	708.77	2.75	300	10/13/20
UMW-304R *	46.16	36.01 - 45.56	44	736.11	736.35	28.04	708.07	3.25	480	10/14/20
UMW-305	45.00	35.00 - 45.00	43	737.14	737.37	29.31	707.83	2.75	400	10/14/20
UMW-306	47.00	37.00 - 47.00	45	736.53	736.81	28.77	707.76	3.00	380	10/13/20
UMW-307	47.00	37.00 - 47.00	44	736.55	736.82	28.83	707.72	3.00	480	10/13/20
UMW-308 *	45.29	35.14 - 44.69	42.7	736.84	737.02	28.93	707.91	3.00	300	10/14/20

Notes:

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

TABLE 2
Summary of Analytical Results
October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)												
			Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118	UMW-119	UMW-120	UMW-121
			Sample Date	10/12/2020	10/14/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/12/2020	10/12/2020	10/14/2020
			Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES													
Field Parameters																
pH	NS	NS	NS	7.17	7.10	6.95	7.17	6.75	7.17	8.65	7.05	6.87	7.03	8.84	7.51	6.91
Temperature (C)	NS	NS	NS	15.6	16.7	18.4	17.8	19.2	15.1	16.9	17.9	18.9	18.2	16.2	17.4	19.3
ORP (mV)	NS	NS	NS	4.5	20.6	39.7	-101.9	3.7	-41.6	55.5	75.3	76.9	50.1	37.0	23.6	-19.6
Dissolved Oxygen (mg/L)	NS	NS	NS	0.27	1.48	2.79	0.33	0.37	1.32	3.19	1.89	0.62	0.29	0.70	0.52	0.50
Turbidity (NTU)	NS	NS	NS	1.62	0.95	1.32	30.5	26.5	1.41	0.75	1.21	4.78	15.9	5.88	23.6	4.20
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS	0.000259	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000241	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS	< 0.005	0.043	0.026	0.391	0.029	0.032	< 0.005	< 0.005	< 0.005	0.038	0.033	< 0.005	0.125
Metals, mg/L																
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0648	0.0581	0.111	0.130	0.159	0.101	0.0532	0.0768	0.129	0.130	0.0918	0.0375	0.117
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0435	< 0.0050	0.0070	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

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

TABLE 2
Summary of Analytical Results
October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)								Intermediate Wells (Class I Groundwater Ingestion)				
			Location ID	UMW-122	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302	UMW-302	UMW-303
			Sample Date	10/13/2020	10/13/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/14/2020	10/13/2020	10/14/2020	10/14/2020	10/14/2020	10/13/2020
			Sample Type	N	N	N	FD	N	N	FD	N	N	N	N	FD	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES													
Field Parameters																
pH	NS	NS	NS	6.95	7.05	10.75	10.75	9.53	7.46	7.46	12.26	8.52	7.21	7.42	7.42	7.22
Temperature (C)	NS	NS	NS	17.9	18.3	18.0	18.0	18.2	17.1	17.1	18.1	14.5	14.5	14.7	14.7	16.8
ORP (mV)	NS	NS	NS	-11.5	79.6	-199.3	-199.3	-59.6	-171.9	-171.9	-218.4	5.9	-102.8	-125.2	-125.2	-68.4
Dissolved Oxygen (mg/L)	NS	NS	NS	0.85	1.55	0.09	0.09	0.08	0.13	0.13	0.12	0.45	0.21	0.22	0.22	0.20
Turbidity (NTU)	NS	NS	NS	2.43	1.69	23.8	23.8	5.21	1.18	1.18	21.6	0.88	5.18	0.52	0.52	7.92
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	0.0841	0.0960	0.0057	0.0186	0.0197	0.0029	< 0.0005	< 0.0005	**0.306**	**0.29**	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	0.0109	0.0120	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.751**	**0.78**	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	0.0590	0.0666	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0046	0.0045	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	0.0308	0.0344	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.207	0.214	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	0.000579	0.000472	< 0.000100	< 0.000100	< 0.000100	0.000236	< 0.000100	0.00300	0.000444	0.000481	< 0.000100
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	0.000344	0.000278	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00304	0.000381	0.000404	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	0.000244	< 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	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	0.0452	0.0389	< 0.000400	< 0.000498	< 0.000447	< 0.00152	< 0.000400	< 0.000400	**1.68**	**1.84**	< 0.00182
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS	0.014	< 0.005	0.013	0.012	0.025	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.105	0.115	< 0.005
Metals, mg/L																
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.0433	0.0206	0.0364	0.0361	0.0271	0.0352	0.0350	0.192	0.0930	0.0770	0.0561	0.0567	0.0408
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

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

TABLE 2
Summary of Analytical Results
October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Intermediate Wells (Class I Groundwater Ingestion)					Field Quality Control	
			Location ID	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blank	Trip Blank
			Sample Date	10/14/2020	10/14/2020	10/13/2020	10/13/2020	10/14/2020	10/14/2020	10/15/2020
			Sample Type	N	N	N	N	N	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES							
Field Parameters										
pH	NS	NS	NS	7.31	7.40	7.39	7.50	7.34	NA	NA
Temperature (C)	NS	NS	NS	14.6	14.5	15.3	15.5	14.6	NA	NA
ORP (mV)	NS	NS	NS	-97.3	-118.8	-119.8	-131.4	-141.6	NA	NA
Dissolved Oxygen (mg/L)	NS	NS	NS	0.19	0.47	0.18	0.16	0.21	NA	NA
Turbidity (NTU)	NS	NS	NS	4.91	4.28	3.10	1.45	7.11	NA	NA
BTEX, mg/L										
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L										
Acenaphthene	0.42	2.1	NS	0.000241	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000525	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.00273	NA
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	NA
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
General Chemistry, mg/L										
Total Cyanide	0.2	0.6	NS	< 0.005	0.008	0.018	0.034	0.010	< 0.005	NA
Metals, mg/L										
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0794	0.103	0.121	0.114	0.116	< 0.0025	NA
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	NA
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	NA
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	NA
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA

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

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-102	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/4/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	8/19/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	< 0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	0.000268	0.000131	0.000185	< 0.0002
	2/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/6/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
UMW-105	9/19/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/6/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000135	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-106R	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-107R	9/18/2018	0.0045	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0038	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	0.0021	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	0.0033	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	0.0006	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-108	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-102	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.002 BU	<0.005
	3/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	0.000116	<0.0002	<0.0004	<0.002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.002	<0.005
	11/6/2019	<0.0001	0.000324	<0.0001	0.000413	<0.0001	<0.0001	<0.0002	<0.0004	0.000438	<0.005
	2/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/6/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
UMW-105	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.049
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.057
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.045
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.044
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.042
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.052
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	7/8/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
UMW-106R	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.022
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.018
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.014
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.007
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.024
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
UMW-107R	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.381
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.385
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.333
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.406
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.409
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.376
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
UMW-108	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0002	<0.0004	0.032
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.028
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.027
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.021
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.024
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-109	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-111A	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-116	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-117	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU UJ	<0.0001 BU UJ
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000192	<0.000385
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-118	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-109	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.036
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.024
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.010
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.017
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.020
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000104	<0.0001	<0.0002	<0.0004	<0.0002	0.030
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
UMW-111A	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	0.000339	<0.0001	<0.0001	<0.0002	<0.0004	0.000245	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-116	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0001	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-117	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	0.000102	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.000192	<0.000192	<0.000192	<0.000385	<0.000192	<0.000192	<0.000385	<0.000769	<0.000385	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.034
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.043
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.028
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.029
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-119	9/17/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000144	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/6/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
UMW-120	9/17/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.000167	<0.000167 UJ	<0.000167 BU	<0.000167	<0.000167	<0.000167	<0.000167
	3/6/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/6/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
UMW-121	9/19/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-122	9/18/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-123	9/18/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/5/2019	<0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	<0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-119	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.033
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	0.026
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.031
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.027
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.035
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.033
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	7/6/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
UMW-120	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.000167	<0.000167	<0.000167	<0.000333 BU	<0.000167	<0.000167	<0.000333	<0.000667	<0.000333 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/10/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/27/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/6/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-121	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.138
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.108
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.122
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.098
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.099
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.117
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	7/8/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
UMW-122	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.027
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.028
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.017
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.013
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.013
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.018
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	4/29/2020	< 0.000100	< 0.000100	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	7/7/2020	< 0.000100	< 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	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
UMW-123	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005

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Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-124	9/19/2018	0.0869	0.009	0.0415	0.0236	0.000469	0.000248	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0664	0.0067	0.0313	0.018	0.000326	0.000187	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.145**	0.0128	0.0743	0.0364	0.000586	0.00033	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	**0.166**	0.0177	0.103	0.048	0.000667	0.000405	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.104	0.0029	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0881	0.0084	0.0483	0.0229	0.000448	0.000278	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	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
UMW-125	9/19/2018	0.0078	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0007	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	0.0037	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	0.0040	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.0065	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0008	<0.002	<0.002	<0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-126	9/19/2018	0.108	<0.002	0.0034	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	0.0261	<0.002	<0.002	<0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.142**	<0.002	0.0046	0.0022	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	**0.195**	0.0038	0.0337	0.0068	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.109	0.0143	0.0804	0.0391	0.000616	0.000382	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0144	<0.002	<0.002	<0.0040	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-127	9/19/2018	0.0029	< 0.002	< 0.002	< 0.002	0.000238	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	0.0021	< 0.002	< 0.002	< 0.002	0.000171	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/6/2019	0.0012	< 0.002	< 0.002	< 0.002	0.000149	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	0.0021	< 0.002	< 0.002	< 0.004	0.000202	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	0.0024	< 0.002	< 0.002	< 0.004	0.000199	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	0.0025	< 0.002	< 0.002	< 0.004	0.000216	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	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
	4/29/2020	0.0019	< 0.0020	< 0.0020	< 0.0040	0.000229	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-300	9/17/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001 UJ	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/5/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/13/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/19/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/4/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-124	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000142	<0.0001	0.0489	<0.0004	<0.0001	0.010
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000109	<0.0001	<0.00255 U	<0.0004	<0.0002	0.008
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000204	<0.0001	0.0652	<0.0004	<0.0002	0.011
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000253	<0.0001	0.0709	<0.0004	<0.0002	0.007
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00125	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000160	<0.0001	0.0425	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.013
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	7/8/2020	< 0.000100	< 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	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
UMW-125	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00102	<0.0004	<0.0001	0.048
	12/5/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.055
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.041
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000338	<0.0004	<0.0002	0.033
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000517	<0.0004	<0.0002	0.031
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000239	<0.0004	<0.0002	0.061
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
	4/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
UMW-126	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000385	<0.0004	<0.0001	<0.005
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000505 U	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00195	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.0634	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000887 U	< 0.000600	< 0.000200	< 0.005
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00267 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000498	< 0.000600	< 0.000200	< 0.005
UMW-127	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.00017	<0.0001	<0.0022	0.000451	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	0.000134	<0.0001	<0.00169 U	<0.0004	<0.0002 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.00011	<0.0001	<0.000631 U	<0.0004	<0.0002	<0.005
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000134	<0.0001	0.00138	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000159	<0.0001	0.00195	0.000445	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000156	<0.0001	<0.00208	0.000429	<0.0002	<0.005
	2/12/2020	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ	< 0.000100 UJ	0.00109 J	< 0.000400 UJ	< 0.000200 UJ	< 0.005
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00127 U	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00152	< 0.000600	< 0.000200	< 0.005
UMW-300	9/17/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/5/2019	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/13/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/19/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/4/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-301R	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00274	0.00337	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00349	0.00425	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	0.00407	0.00423	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00317	0.00328	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00317	0.00403	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.00396	0.00584	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-302	9/19/2018	**0.409**	**0.751**	<0.02	0.198	0.000456	0.000652	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/5/2018	**0.511**	**0.886**	<0.02	0.238	0.000368	0.00053	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	**0.516**	**0.929**	<0.02	0.247	0.000469	0.000593	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	**0.288**	**0.751**	0.0094	0.228	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	**0.188**	**0.697**	<0.04	0.179	0.000467	0.000498	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	**0.286**	**0.687**	<0.04	0.188	0.000614	0.000743	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-303	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/5/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/7/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-304R	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.000539	0.00127	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/3/2018	< 0.0005	< 0.002	< 0.002	< 0.002	0.00055	0.00139 J-	<0.0001 BU	<0.0001	<0.0001	<0.0001	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	0.000608	0.00131	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000348	0.000778	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000313	0.000697	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000379	0.000816	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-305	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0001 BU
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	0.000283	0.000283	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-301R	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000142	<0.0001	0.000238	<0.0004	<0.0001	<0.005
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	0.000162	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000237	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000166	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000245	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000215	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-302	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**3.53**	<0.0004	<0.0001	0.113
	12/5/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<2.2U	<0.0004	<0.0002	0.134
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**2.83**	<0.0004	<0.0002	0.120
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**2.65**	<0.0004	<0.0002	0.130
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**1.68**	<0.0004	<0.0002	0.152
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	**3.2**	<0.0004	<0.0002	0.135
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
UMW-303	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00188 U	<0.0004	<0.0002	<0.005
	3/5/2019	<0.0001 UJ	<0.0001 UJ	<0.0001 UJ	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 UJ	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00238	<0.0004	<0.0002	<0.005
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.00305 J+	<0.0004	<0.0002	<0.005
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	7/7/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00146	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00182	< 0.000600	< 0.000200	< 0.005
UMW-304R	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	<0.005
	12/3/2018	<0.0001	<0.0001	<0.0001	<0.0002 BU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 BU	<0.005
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00106 U	<0.0004	<0.0002	<0.005
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000472	<0.0004	<0.0002	<0.005
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	<0.005
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.000233	<0.0004	<0.0002	<0.005
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	4/30/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	0.000266	< 0.000100	< 0.000441 U	0.000894	0.000273	< 0.005
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-305	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.012
	12/4/2018	<0.0001 BU	<0.0001 BU	<0.0001 BU	<0.0002	<0.0001	<0.0001 BU	<0.0002	<0.0004	<0.0002	0.011
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002 UJ	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.007
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	0.000113	<0.0001	**0.910**	<0.0004	<0.0002	0.011
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.008
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.008
	2/12/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-306	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-307	9/18/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/14/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/20/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/5/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/11/2020	< 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
	4/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000490	< 0.000300	0.000118	0.000192	0.000172	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
UMW-308	9/19/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	0.000134	<0.0001	<0.0001	<0.0001	<0.0001
	12/4/2018	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 UJ	<0.0001
	3/6/2019	< 0.0005	< 0.002	< 0.002	< 0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	5/15/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	8/21/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	11/6/2019	< 0.0005	< 0.002	< 0.002	< 0.004	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0002
	2/12/2020	< 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
	4/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000172	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	7/8/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200

TABLE 3
Analytical Results by Parameter
September 2018 to October 2020
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-306	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.019
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002 SU	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002 SU	0.014
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.014
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.000352	<0.0004	<0.0002	0.014
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.020
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.018
	2/11/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
UMW-307	9/18/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0001	0.053
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.046
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.056
	5/14/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.046
	8/20/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.032
	11/5/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.029
	2/11/2020	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.00160 UJ	< 0.000800 UJ	0.046
	4/28/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
UMW-308	9/19/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	0.005	<0.0004	0.000107	0.018
	12/4/2018	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.00025 U	<0.0004	<0.0002	0.018
	3/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.011
	5/15/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.022
	8/21/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.015
	11/6/2019	<0.0001	<0.0001	<0.0001	<0.0002	<0.0001	<0.0001	<0.0002	<0.0004	<0.0002	0.012
	2/12/2020	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	0.006
	4/29/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	7/8/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000100	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010

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:
B = Analyte detected in method blank
BU = Compound was found in the blank and sample; analyte was analyzed but not detected.
H = Holding times exceeded
U = Non-detect
J = Detected results are estimated
UJ = Non-detect, estimated report limit
SU = Non-detect, spike recovery outside recovery limits
J- = Detected Results are estimated with a low bias
J+ = Detected Results are estimated with a high bias
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

October 22, 2020

Greg Moore
ERM
2 CityPlace Drive, Suite 70
St. Louis, MO 63141
TEL: (314) 238-6162
FAX:

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

RE: Champaign GW **WorkOrder:** 20100994

Dear Greg Moore:

TEKLAB, INC received 34 samples on 10/15/2020 12:05:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

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

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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)

Definitions

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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: 20100994
Report Date: 22-Oct-2020

Cooler Receipt Temp: 4.2 °C

Locations

Collinsville

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

Springfield

Address 3920 Pintail Dr
Springfield, IL 62711-9415
Phone (217) 698-1004
Fax (217) 698-1005
Email KKlostermann@teklabinc.com

Kansas City

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

Collinsville Air

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

Chicago

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

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-001 **Client Sample ID:** UMW-102-WG-20201012

Matrix: GROUNDWATER **Collection Date:** 10/12/2020 14:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/19/2020 14:33	170220
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 2:39	170222
Barium	NELAP	0.0025		**0.0648**	mg/L	1	10/20/2020 2:39	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 2:39	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 2:39	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 2:39	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 2:39	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 18:57	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:19	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 11:31	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 11:31	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 11:31	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 11:31	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 11:31	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 11:31	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 11:31	170187
Pyrene	NELAP	0.000200		**0.000259**	mg/L	1	10/16/2020 11:31	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**51.7**	%REC	1	10/16/2020 11:31	170187
Surr: Nitrobenzene-d5	*	15-163		**62.1**	%REC	1	10/16/2020 11:31	170187
Surr: p-Terphenyl-d14	*	10-173		**105.0**	%REC	1	10/16/2020 11:31	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 9:14	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 9:14	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 9:14	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 9:14	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.6**	%REC	1	10/16/2020 9:14	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.6**	%REC	1	10/16/2020 9:14	170210
Surr: Dibromofluoromethane	*	80-120		**96.4**	%REC	1	10/16/2020 9:14	170210
Surr: Toluene-d8	*	80-120		**95.0**	%REC	1	10/16/2020 9:14	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-002 **Client Sample ID:** UMW-105-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.043**	mg/L	1	10/19/2020 14:37	170220
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 2:43	170222
Barium	NELAP	0.0025		**0.0581**	mg/L	1	10/20/2020 2:43	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 2:43	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 2:43	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 2:43	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 2:43	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:01	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:39	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 12:12	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:12	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 12:12	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:12	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:12	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 12:12	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 12:12	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:12	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.7**	%REC	1	10/16/2020 12:12	170187
Surr: Nitrobenzene-d5	*	15-163		**71.9**	%REC	1	10/16/2020 12:12	170187
Surr: p-Terphenyl-d14	*	10-173		**113.9**	%REC	1	10/16/2020 12:12	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 9:40	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 9:40	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 9:40	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 9:40	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.3**	%REC	1	10/16/2020 9:40	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.8**	%REC	1	10/16/2020 9:40	170210
Surr: Dibromofluoromethane	*	80-120		**96.5**	%REC	1	10/16/2020 9:40	170210
Surr: Toluene-d8	*	80-120		**95.6**	%REC	1	10/16/2020 9:40	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-003 **Client Sample ID:** UMW-106R-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.026**	mg/L	1	10/20/2020 11:27	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 2:46	170222
Barium	NELAP	0.0025		**0.111**	mg/L	1	10/20/2020 2:46	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 2:46	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 2:46	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 2:46	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 2:46	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:05	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:41	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 12:53	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:53	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 12:53	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:53	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 12:53	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 12:53	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 12:53	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 12:53	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.8**	%REC	1	10/16/2020 12:53	170187
Surr: Nitrobenzene-d5	*	15-163		**72.4**	%REC	1	10/16/2020 12:53	170187
Surr: p-Terphenyl-d14	*	10-173		**120.2**	%REC	1	10/16/2020 12:53	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 10:07	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:07	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:07	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 10:07	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.2**	%REC	1	10/16/2020 10:07	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.6**	%REC	1	10/16/2020 10:07	170210
Surr: Dibromofluoromethane	*	80-120		**97.1**	%REC	1	10/16/2020 10:07	170210
Surr: Toluene-d8	*	80-120		**95.1**	%REC	1	10/16/2020 10:07	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-004 **Client Sample ID:** UMW-107R-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.100		**0.391**	mg/L	20	10/20/2020 13:33	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 2:50	170222
Barium	NELAP	0.0025		**0.130**	mg/L	1	10/20/2020 2:50	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 2:50	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 2:50	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 2:50	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 2:50	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:19	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:43	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 13:33	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 13:33	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 13:33	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 13:33	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 13:33	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 13:33	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 13:33	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 13:33	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.7**	%REC	1	10/16/2020 13:33	170187
Surr: Nitrobenzene-d5	*	15-163		**77.0**	%REC	1	10/16/2020 13:33	170187
Surr: p-Terphenyl-d14	*	10-173		**121.7**	%REC	1	10/16/2020 13:33	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 10:34	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:34	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:34	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 10:34	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.9**	%REC	1	10/16/2020 10:34	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.3**	%REC	1	10/16/2020 10:34	170210
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	10/16/2020 10:34	170210
Surr: Toluene-d8	*	80-120		**94.2**	%REC	1	10/16/2020 10:34	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-005 **Client Sample ID:** UMW-108-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 11:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.029**	mg/L	1	10/20/2020 11:58	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:04	170222
Barium	NELAP	0.0025		**0.159**	mg/L	1	10/20/2020 3:04	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:04	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:04	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:04	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:04	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:23	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:45	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 14:14	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:14	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 14:14	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:14	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:14	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 14:14	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 14:14	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:14	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.2**	%REC	1	10/16/2020 14:14	170187
Surr: Nitrobenzene-d5	*	15-163		**72.2**	%REC	1	10/16/2020 14:14	170187
Surr: p-Terphenyl-d14	*	10-173		**119.2**	%REC	1	10/16/2020 14:14	170187

Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 11:01	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:01	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:01	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 11:01	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.6**	%REC	1	10/16/2020 11:01	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.6**	%REC	1	10/16/2020 11:01	170210
Surr: Dibromofluoromethane	*	80-120		**97.5**	%REC	1	10/16/2020 11:01	170210
Surr: Toluene-d8	*	80-120		**94.6**	%REC	1	10/16/2020 11:01	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-006 **Client Sample ID:** UMW-109-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.032**	mg/L	1	10/20/2020 9:35	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:08	170222
Barium	NELAP	0.0025		**0.101**	mg/L	1	10/20/2020 3:08	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:08	170222
Chromium	NELAP	0.0050		**0.0435**	mg/L	1	10/20/2020 3:08	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:08	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:08	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:27	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:48	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 14:55	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:55	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 14:55	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:55	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 14:55	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 14:55	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 14:55	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 14:55	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.4**	%REC	1	10/16/2020 14:55	170187
Surr: Nitrobenzene-d5	*	15-163		**74.8**	%REC	1	10/16/2020 14:55	170187
Surr: p-Terphenyl-d14	*	10-173		**130.4**	%REC	1	10/16/2020 14:55	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 11:27	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:27	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:27	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 11:27	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.0**	%REC	1	10/16/2020 11:27	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.8**	%REC	1	10/16/2020 11:27	170210
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	10/16/2020 11:27	170210
Surr: Toluene-d8	*	80-120		**94.6**	%REC	1	10/16/2020 11:27	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-007 **Client Sample ID:** UMW-111A-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 10:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 12:02	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:19	170222
Barium	NELAP	0.0025		**0.0532**	mg/L	1	10/20/2020 3:19	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:19	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:19	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:19	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:19	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:38	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:50	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 15:36	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 15:36	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 15:36	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 15:36	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 15:36	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 15:36	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 15:36	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 15:36	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.1**	%REC	1	10/16/2020 15:36	170187
Surr: Nitrobenzene-d5	*	15-163		**76.0**	%REC	1	10/16/2020 15:36	170187
Surr: p-Terphenyl-d14	*	10-173		**124.4**	%REC	1	10/16/2020 15:36	170187

Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 11:54	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:54	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 11:54	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 11:54	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.6**	%REC	1	10/16/2020 11:54	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.1**	%REC	1	10/16/2020 11:54	170210
Surr: Dibromofluoromethane	*	80-120		**97.2**	%REC	1	10/16/2020 11:54	170210
Surr: Toluene-d8	*	80-120		**95.5**	%REC	1	10/16/2020 11:54	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-008 **Client Sample ID:** UMW-116-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 12:06	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:23	170222
Barium	NELAP	0.0025		**0.0768**	mg/L	1	10/20/2020 3:23	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:23	170222
Chromium	NELAP	0.0050		**0.0070**	mg/L	1	10/20/2020 3:23	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:23	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:23	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:41	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:52	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 16:17	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:17	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 16:17	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:17	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:17	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 16:17	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 16:17	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:17	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**66.5**	%REC	1	10/16/2020 16:17	170187
Surr: Nitrobenzene-d5	*	15-163		**76.1**	%REC	1	10/16/2020 16:17	170187
Surr: p-Terphenyl-d14	*	10-173		**120.6**	%REC	1	10/16/2020 16:17	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 12:20	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:20	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:20	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 12:20	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.4**	%REC	1	10/16/2020 12:20	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.5**	%REC	1	10/16/2020 12:20	170210
Surr: Dibromofluoromethane	*	80-120		**97.1**	%REC	1	10/16/2020 12:20	170210
Surr: Toluene-d8	*	80-120		**94.4**	%REC	1	10/16/2020 12:20	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-009 **Client Sample ID:** UMW-117-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 12:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 12:15	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:26	170222
Barium	NELAP	0.0025		**0.129**	mg/L	1	10/20/2020 3:26	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:26	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:26	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:26	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:26	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 19:52	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 13:59	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 16:58	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:58	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 16:58	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:58	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 16:58	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 16:58	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 16:58	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 16:58	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**64.8**	%REC	1	10/16/2020 16:58	170187
Surr: Nitrobenzene-d5	*	15-163		**70.4**	%REC	1	10/16/2020 16:58	170187
Surr: p-Terphenyl-d14	*	10-173		**118.0**	%REC	1	10/16/2020 16:58	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 12:47	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:47	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:47	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 12:47	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.8**	%REC	1	10/16/2020 12:47	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.6**	%REC	1	10/16/2020 12:47	170210
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	10/16/2020 12:47	170210
Surr: Toluene-d8	*	80-120		**95.0**	%REC	1	10/16/2020 12:47	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-010 **Client Sample ID:** UMW-118-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 10:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.038**	mg/L	1	10/20/2020 12:19	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:30	170222
Barium	NELAP	0.0025		**0.130**	mg/L	1	10/20/2020 3:30	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:30	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:30	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:30	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:30	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:07	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:01	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 17:39	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 17:39	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 17:39	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 17:39	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 17:39	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 17:39	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 17:39	170187
Pyrene	NELAP	0.000200		**0.000241**	mg/L	1	10/16/2020 17:39	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.4**	%REC	1	10/16/2020 17:39	170187
Surr: Nitrobenzene-d5	*	15-163		**73.2**	%REC	1	10/16/2020 17:39	170187
Surr: p-Terphenyl-d14	*	10-173		**123.6**	%REC	1	10/16/2020 17:39	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 13:14	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:14	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:14	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 13:14	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.3**	%REC	1	10/16/2020 13:14	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.4**	%REC	1	10/16/2020 13:14	170210
Surr: Dibromofluoromethane	*	80-120		**96.6**	%REC	1	10/16/2020 13:14	170210
Surr: Toluene-d8	*	80-120		**95.1**	%REC	1	10/16/2020 13:14	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-011 **Client Sample ID:** UMW-119-WG-20201012

Matrix: GROUNDWATER **Collection Date:** 10/12/2020 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.033**	mg/L	1	10/20/2020 12:24	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:34	170222
Barium	NELAP	0.0025		**0.0918**	mg/L	1	10/20/2020 3:34	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:34	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:34	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:34	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:34	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:11	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:22	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 18:20	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 18:20	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 18:20	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 18:20	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 18:20	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 18:20	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 18:20	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 18:20	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.8**	%REC	1	10/16/2020 18:20	170187
Surr: Nitrobenzene-d5	*	15-163		**70.2**	%REC	1	10/16/2020 18:20	170187
Surr: p-Terphenyl-d14	*	10-173		**117.0**	%REC	1	10/16/2020 18:20	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 13:40	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:40	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:40	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 13:40	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.2**	%REC	1	10/16/2020 13:40	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.6**	%REC	1	10/16/2020 13:40	170210
Surr: Dibromofluoromethane	*	80-120		**96.2**	%REC	1	10/16/2020 13:40	170210
Surr: Toluene-d8	*	80-120		**94.6**	%REC	1	10/16/2020 13:40	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-012 **Client Sample ID:** UMW-120-WG-20201012

Matrix: GROUNDWATER **Collection Date:** 10/12/2020 15:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 12:28	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:37	170222
Barium	NELAP	0.0025		**0.0375**	mg/L	1	10/20/2020 3:37	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:37	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:37	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:37	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:37	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:14	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:24	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 19:01	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 19:01	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 19:01	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 19:01	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 19:01	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 19:01	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 19:01	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 19:01	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**60.2**	%REC	1	10/16/2020 19:01	170187
Surr: Nitrobenzene-d5	*	15-163		**66.4**	%REC	1	10/16/2020 19:01	170187
Surr: p-Terphenyl-d14	*	10-173		**106.7**	%REC	1	10/16/2020 19:01	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 14:07	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:07	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:07	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 14:07	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.8**	%REC	1	10/16/2020 14:07	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.5**	%REC	1	10/16/2020 14:07	170210
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	10/16/2020 14:07	170210
Surr: Toluene-d8	*	80-120		**94.3**	%REC	1	10/16/2020 14:07	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-013 **Client Sample ID:** UMW-121-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.125**	mg/L	5	10/20/2020 13:37	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:52	170222
Barium	NELAP	0.0025		**0.117**	mg/L	1	10/20/2020 3:52	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:52	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:52	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:52	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:52	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:18	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:04	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 21:45	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 21:45	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 21:45	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 21:45	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 21:45	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 21:45	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 21:45	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 21:45	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.0**	%REC	1	10/16/2020 21:45	170187
Surr: Nitrobenzene-d5	*	15-163		**76.8**	%REC	1	10/16/2020 21:45	170187
Surr: p-Terphenyl-d14	*	10-173		**122.6**	%REC	1	10/16/2020 21:45	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 14:34	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:34	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:34	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 14:34	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.5**	%REC	1	10/16/2020 14:34	170210
Surr: 4-Bromofluorobenzene	*	80-120		**97.0**	%REC	1	10/16/2020 14:34	170210
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	10/16/2020 14:34	170210
Surr: Toluene-d8	*	80-120		**94.6**	%REC	1	10/16/2020 14:34	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-014 **Client Sample ID:** UMW-122-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 16:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.014**	mg/L	1	10/20/2020 12:41	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:56	170222
Barium	NELAP	0.0025		**0.0433**	mg/L	1	10/20/2020 3:56	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:56	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:56	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:56	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:56	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:22	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:06	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 22:26	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 22:26	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 22:26	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 22:26	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 22:26	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 22:26	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 22:26	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 22:26	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.9**	%REC	1	10/16/2020 22:26	170187
Surr: Nitrobenzene-d5	*	15-163		**72.0**	%REC	1	10/16/2020 22:26	170187
Surr: p-Terphenyl-d14	*	10-173		**119.5**	%REC	1	10/16/2020 22:26	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 15:01	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:01	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:01	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 15:01	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**94.0**	%REC	1	10/16/2020 15:01	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.1**	%REC	1	10/16/2020 15:01	170210
Surr: Dibromofluoromethane	*	80-120		**96.7**	%REC	1	10/16/2020 15:01	170210
Surr: Toluene-d8	*	80-120		**94.5**	%REC	1	10/16/2020 15:01	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-015 **Client Sample ID:** UMW-123-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 12:45	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 3:59	170222
Barium	NELAP	0.0025		**0.0206**	mg/L	1	10/20/2020 3:59	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 3:59	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 3:59	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 3:59	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 3:59	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:25	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:08	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 23:07	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 23:07	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 23:07	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 23:07	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:07	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/16/2020 23:07	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 23:07	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 23:07	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.0**	%REC	1	10/16/2020 23:07	170187
Surr: Nitrobenzene-d5	*	15-163		**70.3**	%REC	1	10/16/2020 23:07	170187
Surr: p-Terphenyl-d14	*	10-173		**106.8**	%REC	1	10/16/2020 23:07	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 15:27	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:27	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:27	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 15:27	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.4**	%REC	1	10/16/2020 15:27	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.1**	%REC	1	10/16/2020 15:27	170210
Surr: Dibromofluoromethane	*	80-120		**96.5**	%REC	1	10/16/2020 15:27	170210
Surr: Toluene-d8	*	80-120		**91.3**	%REC	1	10/16/2020 15:27	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-016 **Client Sample ID:** UMW-124-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.013**	mg/L	1	10/20/2020 13:11	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:03	170222
Barium	NELAP	0.0025		**0.0364**	mg/L	1	10/20/2020 4:03	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:03	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:03	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:03	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:03	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:29	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:10	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000579**	mg/L	1	10/16/2020 23:48	170187
Acenaphthylene	NELAP	0.000100		**0.000344**	mg/L	1	10/16/2020 23:48	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 23:48	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 23:48	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/16/2020 23:48	170187
Fluorene	NELAP	0.000200		**0.000244**	mg/L	1	10/16/2020 23:48	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/16/2020 23:48	170187
Naphthalene	NELAP	0.0100		**0.0452**	mg/L	25	10/19/2020 16:25	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/16/2020 23:48	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/16/2020 23:48	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.7**	%REC	1	10/16/2020 23:48	170187
Surr: Nitrobenzene-d5	*	15-163		**77.0**	%REC	1	10/16/2020 23:48	170187
Surr: p-Terphenyl-d14	*	10-173		**120.5**	%REC	1	10/16/2020 23:48	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**84.1**	µg/L	1	10/16/2020 15:54	170210
Ethylbenzene	NELAP	2.0		**10.9**	µg/L	1	10/16/2020 15:54	170210
Toluene	NELAP	2.0		**59.0**	µg/L	1	10/16/2020 15:54	170210
Xylenes, Total	NELAP	4.0		**30.8**	µg/L	1	10/16/2020 15:54	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**92.9**	%REC	1	10/16/2020 15:54	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.3**	%REC	1	10/16/2020 15:54	170210
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	10/16/2020 15:54	170210
Surr: Toluene-d8	*	80-120		**95.4**	%REC	1	10/16/2020 15:54	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-017 **Client Sample ID:** UMW-125-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 13:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.025**	mg/L	1	10/20/2020 9:57	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:07	170222
Barium	NELAP	0.0025		**0.0271**	mg/L	1	10/20/2020 4:07	170222
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:07	170222
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:07	170222
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:07	170222
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:07	170222
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:33	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:31	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 0:29	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 0:29	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 0:29	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 0:29	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 0:29	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/17/2020 0:29	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/17/2020 0:29	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 0:29	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**77.8**	%REC	1	10/17/2020 0:29	170187
Surr: Nitrobenzene-d5	*	15-163		**76.6**	%REC	1	10/17/2020 0:29	170187
Surr: p-Terphenyl-d14	*	10-173		**118.2**	%REC	1	10/17/2020 0:29	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**5.7**	µg/L	1	10/16/2020 16:20	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:20	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:20	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 16:20	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.0**	%REC	1	10/16/2020 16:20	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.4**	%REC	1	10/16/2020 16:20	170210
Surr: Dibromofluoromethane	*	80-120		**96.9**	%REC	1	10/16/2020 16:20	170210
Surr: Toluene-d8	*	80-120		**93.9**	%REC	1	10/16/2020 16:20	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-018 **Client Sample ID:** UMW-126-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 8:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 13:16	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:10	170224
Barium	NELAP	0.0025		**0.0352**	mg/L	1	10/20/2020 4:10	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:10	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:10	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:10	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:10	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:36	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:33	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 1:10	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:10	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 1:10	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:10	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:10	170187
Naphthalene	NELAP	0.000400		**0.000498**	mg/L	1	10/17/2020 1:10	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/17/2020 1:10	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:10	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.0**	%REC	1	10/17/2020 1:10	170187
Surr: Nitrobenzene-d5	*	15-163		**84.5**	%REC	1	10/17/2020 1:10	170187
Surr: p-Terphenyl-d14	*	10-173		**126.9**	%REC	1	10/17/2020 1:10	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**18.6**	µg/L	1	10/16/2020 16:47	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:47	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:47	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 16:47	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**93.6**	%REC	1	10/16/2020 16:47	170210
Surr: 4-Bromofluorobenzene	*	80-120		**95.9**	%REC	1	10/16/2020 16:47	170210
Surr: Dibromofluoromethane	*	80-120		**97.9**	%REC	1	10/16/2020 16:47	170210
Surr: Toluene-d8	*	80-120		**94.3**	%REC	1	10/16/2020 16:47	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-019 **Client Sample ID:** UMW-127-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 13:24	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:14	170224
Barium	NELAP	0.0025		**0.192**	mg/L	1	10/20/2020 4:14	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:14	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:14	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:14	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:14	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 20:40	170309
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:36	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000236**	mg/L	1	10/17/2020 1:51	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 1:51	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:51	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 1:51	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:51	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 1:51	170187
Naphthalene	NELAP	0.000400		**0.00152**	mg/L	1	10/17/2020 1:51	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/17/2020 1:51	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 1:51	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.8**	%REC	1	10/17/2020 1:51	170187
Surr: Nitrobenzene-d5	*	15-163		**92.8**	%REC	1	10/17/2020 1:51	170187
Surr: p-Terphenyl-d14	*	10-173		**110.3**	%REC	1	10/17/2020 1:51	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**2.9**	µg/L	1	10/16/2020 17:13	170210
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:13	170210
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:13	170210
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 17:13	170210
Surr: 1,2-Dichloroethane-d4	*	80-120		**91.8**	%REC	1	10/16/2020 17:13	170210
Surr: 4-Bromofluorobenzene	*	80-120		**96.4**	%REC	1	10/16/2020 17:13	170210
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	10/16/2020 17:13	170210
Surr: Toluene-d8	*	80-120		**94.3**	%REC	1	10/16/2020 17:13	170210

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-020 **Client Sample ID:** UMW-300-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/20/2020 13:29	170270
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:18	170224
Barium	NELAP	0.0025		**0.0930**	mg/L	1	10/20/2020 4:18	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:18	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:18	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:18	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:18	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 14:34	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:13	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 2:32	170187
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 2:32	170187
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/17/2020 2:32	170187
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 2:32	170187
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/17/2020 2:32	170187
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/17/2020 2:32	170187
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/17/2020 2:32	170187
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/17/2020 2:32	170187
Surr: 2-Fluorobiphenyl	*	21.4-142		**70.8**	%REC	1	10/17/2020 2:32	170187
Surr: Nitrobenzene-d5	*	15-163		**77.3**	%REC	1	10/17/2020 2:32	170187
Surr: p-Terphenyl-d14	*	10-173		**119.2**	%REC	1	10/17/2020 2:32	170187
Allowable Marginal Exceedance of Fluoranthene in the laboratory control sample is verified per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 14:52	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:52	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 14:52	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 14:52	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**98.7**	%REC	1	10/16/2020 14:52	170209
Surr: 4-Bromofluorobenzene	*	80-120		**91.5**	%REC	1	10/16/2020 14:52	170209
Surr: Dibromofluoromethane	*	80-120		**104.8**	%REC	1	10/16/2020 14:52	170209
Surr: Toluene-d8	*	80-120		**93.8**	%REC	1	10/16/2020 14:52	170209

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-021 **Client Sample ID:** UMW-301R-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 10:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/21/2020 11:25	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:21	170224
Barium	NELAP	0.0025		**0.0770**	mg/L	1	10/20/2020 4:21	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:21	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:21	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:21	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:21	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 14:38	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:38	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00300**	mg/L	1	10/19/2020 17:07	170249
Acenaphthylene	NELAP	0.000100		**0.00304**	mg/L	1	10/19/2020 17:07	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 17:07	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:07	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 17:07	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:07	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:07	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/19/2020 17:07	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/19/2020 17:07	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:07	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**60.5**	%REC	1	10/19/2020 17:07	170249
Surr: Nitrobenzene-d5	*	15-163		**66.6**	%REC	1	10/19/2020 17:07	170249
Surr: p-Terphenyl-d14	*	10-173		**110.3**	%REC	1	10/19/2020 17:07	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 15:18	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:18	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 15:18	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 15:18	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.2**	%REC	1	10/16/2020 15:18	170209
Surr: 4-Bromofluorobenzene	*	80-120		**92.7**	%REC	1	10/16/2020 15:18	170209
Surr: Dibromofluoromethane	*	80-120		**105.6**	%REC	1	10/16/2020 15:18	170209
Surr: Toluene-d8	*	80-120		**93.5**	%REC	1	10/16/2020 15:18	170209

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-022 **Client Sample ID:** UMW-302-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.105**	mg/L	5	10/21/2020 16:07	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:25	170224
Barium	NELAP	0.0025		**0.0561**	mg/L	1	10/20/2020 4:25	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:25	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:25	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:25	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:25	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 14:41	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:47	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000444**	mg/L	1	10/19/2020 17:48	170249
Acenaphthylene	NELAP	0.000100		**0.000381**	mg/L	1	10/19/2020 17:48	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 17:48	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:48	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 17:48	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:48	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 17:48	170249
Naphthalene	NELAP	0.400		**1.68**	mg/L	1000	10/21/2020 3:44	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/19/2020 17:48	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 17:48	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.2**	%REC	1	10/19/2020 17:48	170249
Surr: Nitrobenzene-d5	*	15-163		**87.7**	%REC	1	10/19/2020 17:48	170249
Surr: p-Terphenyl-d14	*	10-173		**104.6**	%REC	1	10/19/2020 17:48	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**306**	µg/L	10	10/19/2020 17:52	170268
Ethylbenzene	NELAP	20.0		**751**	µg/L	10	10/19/2020 17:52	170268
Toluene	NELAP	2.0		**4.6**	µg/L	1	10/16/2020 15:43	170209
Xylenes, Total	NELAP	4.0		**207**	µg/L	1	10/16/2020 15:43	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**96.6**	%REC	1	10/16/2020 15:43	170209
Surr: 4-Bromofluorobenzene	*	80-120		**90.7**	%REC	1	10/16/2020 15:43	170209
Surr: Dibromofluoromethane	*	80-120		**101.8**	%REC	1	10/16/2020 15:43	170209
Surr: Toluene-d8	*	80-120		**92.9**	%REC	1	10/16/2020 15:43	170209

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020
Lab ID: 20100994-023
Client Sample ID: UMW-303-WG-20201013
Matrix: GROUNDWATER
Collection Date: 10/13/2020 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	10/21/2020 13:44	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:40	170224
Barium	NELAP	0.0025		**0.0408**	mg/L	1	10/20/2020 4:40	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:40	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:40	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:40	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:40	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 14:45	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:15	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 18:29	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 18:29	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 18:29	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 18:29	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 18:29	170249
Naphthalene	NELAP	0.000400		**0.00182**	mg/L	1	10/19/2020 18:29	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/19/2020 18:29	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 18:29	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**60.7**	%REC	1	10/19/2020 18:29	170249
Surr: Nitrobenzene-d5	*	15-163		**67.2**	%REC	1	10/19/2020 18:29	170249
Surr: p-Terphenyl-d14	*	10-173		**102.9**	%REC	1	10/19/2020 18:29	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 16:09	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:09	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:09	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 16:09	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.6**	%REC	1	10/16/2020 16:09	170209
Surr: 4-Bromofluorobenzene	*	80-120		**90.5**	%REC	1	10/16/2020 16:09	170209
Surr: Dibromofluoromethane	*	80-120		**105.6**	%REC	1	10/16/2020 16:09	170209
Surr: Toluene-d8	*	80-120		**91.7**	%REC	1	10/16/2020 16:09	170209

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-024 **Client Sample ID:** UMW-304R-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/21/2020 13:48	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:43	170224
Barium	NELAP	0.0025		**0.0794**	mg/L	1	10/20/2020 4:43	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:43	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:43	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:43	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:43	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:12	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:49	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000241**	mg/L	1	10/19/2020 19:10	170249
Acenaphthylene	NELAP	0.000100		**0.000525**	mg/L	1	10/19/2020 19:10	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 19:10	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 19:10	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/19/2020 19:10	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 19:10	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/19/2020 19:10	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/19/2020 19:10	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/19/2020 19:10	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/19/2020 19:10	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**52.9**	%REC	1	10/19/2020 19:10	170249
Surr: Nitrobenzene-d5	*	15-163		**62.1**	%REC	1	10/19/2020 19:10	170249
Surr: p-Terphenyl-d14	*	10-173		**100.7**	%REC	1	10/19/2020 19:10	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 16:35	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:35	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 16:35	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 16:35	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**98.9**	%REC	1	10/16/2020 16:35	170209
Surr: 4-Bromofluorobenzene	*	80-120		**91.9**	%REC	1	10/16/2020 16:35	170209
Surr: Dibromofluoromethane	*	80-120		**104.9**	%REC	1	10/16/2020 16:35	170209
Surr: Toluene-d8	*	80-120		**94.8**	%REC	1	10/16/2020 16:35	170209

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020
Lab ID: 20100994-025
Client Sample ID: UMW-305-WG-20201014
Matrix: GROUNDWATER
Collection Date: 10/14/2020 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	10/21/2020 13:57	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:47	170224
Barium	NELAP	0.0025		**0.103**	mg/L	1	10/20/2020 4:47	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:47	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:47	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:47	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:47	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:15	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:52	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 16:05	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:05	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 16:05	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:05	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:05	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/20/2020 16:05	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 16:05	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:05	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**62.8**	%REC	1	10/20/2020 16:05	170249
Surr: Nitrobenzene-d5	*	15-163		**63.2**	%REC	1	10/20/2020 16:05	170249
Surr: p-Terphenyl-d14	*	10-173		**84.3**	%REC	1	10/20/2020 16:05	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 17:00	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:00	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:00	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 17:00	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**98.6**	%REC	1	10/16/2020 17:00	170209
Surr: 4-Bromofluorobenzene	*	80-120		**91.1**	%REC	1	10/16/2020 17:00	170209
Surr: Dibromofluoromethane	*	80-120		**103.0**	%REC	1	10/16/2020 17:00	170209
Surr: Toluene-d8	*	80-120		**97.0**	%REC	1	10/16/2020 17:00	170209

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-026 **Client Sample ID:** UMW-306-WG-20201013

Matrix: GROUNDWATER **Collection Date:** 10/13/2020 18:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.018**	mg/L	1	10/19/2020 10:44	170220
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 4:51	170224
Barium	NELAP	0.0025		**0.121**	mg/L	1	10/20/2020 4:51	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 4:51	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 4:51	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 4:51	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 4:51	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:19	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:17	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 16:47	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:47	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 16:47	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:47	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 16:47	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/20/2020 16:47	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 16:47	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 16:47	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**62.4**	%REC	1	10/20/2020 16:47	170249
Surr: Nitrobenzene-d5	*	15-163		**65.5**	%REC	1	10/20/2020 16:47	170249
Surr: p-Terphenyl-d14	*	10-173		**90.2**	%REC	1	10/20/2020 16:47	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 10:19	170208
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:19	170208
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 10:19	170208
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 10:19	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.2**	%REC	1	10/16/2020 10:19	170208
Surr: 4-Bromofluorobenzene	*	80-120		**103.0**	%REC	1	10/16/2020 10:19	170208
Surr: Dibromofluoromethane	*	80-120		**104.4**	%REC	1	10/16/2020 10:19	170208
Surr: Toluene-d8	*	80-120		**95.8**	%REC	1	10/16/2020 10:19	170208

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020
Lab ID: 20100994-027
Client Sample ID: UMW-307-WG-20201013
Matrix: GROUNDWATER
Collection Date: 10/13/2020 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.034**	mg/L	1	10/19/2020 11:01	170220
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:02	170224
Barium	NELAP	0.0025		**0.114**	mg/L	1	10/20/2020 5:02	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:02	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:02	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:02	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:02	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:30	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/16/2020 14:29	170185
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 18:50	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 18:50	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 18:50	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 18:50	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 18:50	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/20/2020 18:50	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 18:50	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 18:50	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**60.8**	%REC	1	10/20/2020 18:50	170249
Surr: Nitrobenzene-d5	*	15-163		**62.8**	%REC	1	10/20/2020 18:50	170249
Surr: p-Terphenyl-d14	*	10-173		**96.7**	%REC	1	10/20/2020 18:50	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/21/2020 11:21	170374
Ethylbenzene	NELAP	2.0	S	**ND**	µg/L	1	10/21/2020 11:21	170374
Toluene	NELAP	2.0	S	**ND**	µg/L	1	10/21/2020 11:21	170374
Xylenes, Total	NELAP	4.0	S	**ND**	µg/L	1	10/21/2020 11:21	170374
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.2**	%REC	1	10/21/2020 11:21	170374
Surr: 4-Bromofluorobenzene	*	80-120		**95.2**	%REC	1	10/21/2020 11:21	170374
Surr: Dibromofluoromethane	*	80-120		**104.5**	%REC	1	10/21/2020 11:21	170374
Surr: Toluene-d8	*	80-120		**100.8**	%REC	1	10/21/2020 11:21	170374

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

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-028 **Client Sample ID:** UMW-308-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	10/21/2020 14:01	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:13	170224
Barium	NELAP	0.0025		**0.116**	mg/L	1	10/20/2020 5:13	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:13	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:13	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:13	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:13	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:41	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 10:54	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/21/2020 1:41	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 1:41	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/21/2020 1:41	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 1:41	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 1:41	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/21/2020 1:41	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/21/2020 1:41	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 1:41	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**61.0**	%REC	1	10/21/2020 1:41	170249
Surr: Nitrobenzene-d5	*	15-163		**67.9**	%REC	1	10/21/2020 1:41	170249
Surr: p-Terphenyl-d14	*	10-173		**85.3**	%REC	1	10/21/2020 1:41	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 17:26	170209
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:26	170209
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 17:26	170209
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 17:26	170209
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.5**	%REC	1	10/16/2020 17:26	170209
Surr: 4-Bromofluorobenzene	*	80-120		**93.3**	%REC	1	10/16/2020 17:26	170209
Surr: Dibromofluoromethane	*	80-120		**104.7**	%REC	1	10/16/2020 17:26	170209
Surr: Toluene-d8	*	80-120		**93.8**	%REC	1	10/16/2020 17:26	170209

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-029 **Client Sample ID:** DUP 001-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	10/21/2020 14:06	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:27	170224
Barium	NELAP	0.0025		**0.0361**	mg/L	1	10/20/2020 5:27	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:27	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:27	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:27	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:27	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 15:45	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 11:05	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000472**	mg/L	1	10/21/2020 2:22	170249
Acenaphthylene	NELAP	0.000100		**0.000278**	mg/L	1	10/21/2020 2:22	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/21/2020 2:22	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 2:22	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/21/2020 2:22	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 2:22	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/21/2020 2:22	170249
Naphthalene	NELAP	0.0100		**0.0389**	mg/L	25	10/21/2020 3:03	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/21/2020 2:22	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/21/2020 2:22	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.6**	%REC	1	10/21/2020 2:22	170249
Surr: Nitrobenzene-d5	*	15-163		**72.5**	%REC	1	10/21/2020 2:22	170249
Surr: p-Terphenyl-d14	*	10-173		**88.3**	%REC	1	10/21/2020 2:22	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**96.0**	µg/L	1	10/16/2020 11:39	170208
Ethylbenzene	NELAP	2.0		**12.0**	µg/L	1	10/16/2020 11:39	170208
Toluene	NELAP	2.0		**66.6**	µg/L	1	10/16/2020 11:39	170208
Xylenes, Total	NELAP	4.0		**34.4**	µg/L	1	10/16/2020 11:39	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**108.7**	%REC	1	10/16/2020 11:39	170208
Surr: 4-Bromofluorobenzene	*	80-120		**102.6**	%REC	1	10/16/2020 11:39	170208
Surr: Dibromofluoromethane	*	80-120		**104.1**	%REC	1	10/16/2020 11:39	170208
Surr: Toluene-d8	*	80-120		**95.5**	%REC	1	10/16/2020 11:39	170208

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-030 **Client Sample ID:** DUP 002-WG-20201014

Matrix: GROUNDWATER **Collection Date:** 10/14/2020 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	10/21/2020 14:10	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:31	170224
Barium	NELAP	0.0025		**0.0350**	mg/L	1	10/20/2020 5:31	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:31	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:31	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:31	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:31	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 16:44	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 11:08	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 20:53	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 20:53	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 20:53	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 20:53	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 20:53	170249
Naphthalene	NELAP	0.000400		**0.000447**	mg/L	1	10/20/2020 20:53	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 20:53	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 20:53	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.2**	%REC	1	10/20/2020 20:53	170249
Surr: Nitrobenzene-d5	*	15-163		**68.5**	%REC	1	10/20/2020 20:53	170249
Surr: p-Terphenyl-d14	*	10-173		**83.9**	%REC	1	10/20/2020 20:53	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**19.7**	µg/L	1	10/16/2020 12:05	170208
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:05	170208
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:05	170208
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 12:05	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**106.2**	%REC	1	10/16/2020 12:05	170208
Surr: 4-Bromofluorobenzene	*	80-120		**102.0**	%REC	1	10/16/2020 12:05	170208
Surr: Dibromofluoromethane	*	80-120		**102.7**	%REC	1	10/16/2020 12:05	170208
Surr: Toluene-d8	*	80-120		**96.5**	%REC	1	10/16/2020 12:05	170208

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020
Lab ID: 20100994-031
Client Sample ID: DUP 003-WG-20201014
Matrix: GROUNDWATER
Collection Date: 10/14/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.115**	mg/L	5	10/21/2020 16:11	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:35	170224
Barium	NELAP	0.0025		**0.0567**	mg/L	1	10/20/2020 5:35	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:35	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:35	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:35	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:35	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 16:48	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 11:10	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000481**	mg/L	1	10/20/2020 21:34	170249
Acenaphthylene	NELAP	0.000100		**0.000404**	mg/L	1	10/20/2020 21:34	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 21:34	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 21:34	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 21:34	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 21:34	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 21:34	170249
Naphthalene	NELAP	0.400		**1.84**	mg/L	1000	10/21/2020 10:38	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 21:34	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 21:34	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.8**	%REC	1	10/20/2020 21:34	170249
Surr: Nitrobenzene-d5	*	15-163		**84.2**	%REC	1	10/20/2020 21:34	170249
Surr: p-Terphenyl-d14	*	10-173		**102.5**	%REC	1	10/20/2020 21:34	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**290**	µg/L	10	10/20/2020 16:49	170298
Ethylbenzene	NELAP	20.0		**780**	µg/L	10	10/20/2020 16:49	170298
Toluene	NELAP	2.0		**4.5**	µg/L	1	10/16/2020 12:31	170208
Xylenes, Total	NELAP	4.0		**214**	µg/L	1	10/16/2020 12:31	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.8**	%REC	1	10/16/2020 12:31	170208
Surr: 4-Bromofluorobenzene	*	80-120		**101.0**	%REC	1	10/16/2020 12:31	170208
Surr: Dibromofluoromethane	*	80-120		**102.2**	%REC	1	10/16/2020 12:31	170208
Surr: Toluene-d8	*	80-120		**97.5**	%REC	1	10/16/2020 12:31	170208

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-032 **Client Sample ID:** EB-01-WQ-20201014

Matrix: AQUEOUS **Collection Date:** 10/14/2020 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/21/2020 14:23	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:38	170224
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	10/20/2020 5:38	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:38	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:38	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:38	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:38	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 16:52	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 11:12	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 22:15	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:15	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 22:15	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:15	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:15	170249
Naphthalene	NELAP	0.000400		**0.00273**	mg/L	1	10/20/2020 22:15	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 22:15	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:15	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.8**	%REC	1	10/20/2020 22:15	170249
Surr: Nitrobenzene-d5	*	15-163		**62.3**	%REC	1	10/20/2020 22:15	170249
Surr: p-Terphenyl-d14	*	10-173		**91.4**	%REC	1	10/20/2020 22:15	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 12:58	170208
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:58	170208
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 12:58	170208
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 12:58	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.9**	%REC	1	10/16/2020 12:58	170208
Surr: 4-Bromofluorobenzene	*	80-120		**102.2**	%REC	1	10/16/2020 12:58	170208
Surr: Dibromofluoromethane	*	80-120		**103.1**	%REC	1	10/16/2020 12:58	170208
Surr: Toluene-d8	*	80-120		**96.2**	%REC	1	10/16/2020 12:58	170208

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020
Lab ID: 20100994-033
Client Sample ID: TB-01-WQ-20201012
Matrix: TRIP BLANK
Collection Date: 10/15/2020 12:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 13:24	170208
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:24	170208
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:24	170208
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 13:24	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**106.4**	%REC	1	10/16/2020 13:24	170208
Surr: 4-Bromofluorobenzene	*	80-120		**102.7**	%REC	1	10/16/2020 13:24	170208
Surr: Dibromofluoromethane	*	80-120		**102.9**	%REC	1	10/16/2020 13:24	170208
Surr: Toluene-d8	*	80-120		**95.6**	%REC	1	10/16/2020 13:24	170208

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Lab ID: 20100994-034 **Client Sample ID:** EB-02-WQ-20201014

Matrix: AQUEOUS **Collection Date:** 10/14/2020 8:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	10/21/2020 14:28	170303
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	10/20/2020 5:42	170224
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	10/20/2020 5:42	170224
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	10/20/2020 5:42	170224
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	10/20/2020 5:42	170224
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	10/20/2020 5:42	170224
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	10/20/2020 5:42	170224
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	10/21/2020 16:56	170317
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	10/19/2020 11:15	170232
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Anthracene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 22:57	170249
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:57	170249
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Chrysene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	10/20/2020 22:57	170249
Fluorene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:57	170249
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	10/20/2020 22:57	170249
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	10/20/2020 22:57	170249
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	10/20/2020 22:57	170249
Pyrene	NELAP	0.000200		**ND**	mg/L	1	10/20/2020 22:57	170249
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.8**	%REC	1	10/20/2020 22:57	170249
Surr: Nitrobenzene-d5	*	15-163		**68.4**	%REC	1	10/20/2020 22:57	170249
Surr: p-Terphenyl-d14	*	10-173		**91.6**	%REC	1	10/20/2020 22:57	170249
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	10/16/2020 13:51	170208
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:51	170208
Toluene	NELAP	2.0		**ND**	µg/L	1	10/16/2020 13:51	170208
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	10/16/2020 13:51	170208
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.1**	%REC	1	10/16/2020 13:51	170208
Surr: 4-Bromofluorobenzene	*	80-120		**103.0**	%REC	1	10/16/2020 13:51	170208
Surr: Dibromofluoromethane	*	80-120		**103.2**	%REC	1	10/16/2020 13:51	170208
Surr: Toluene-d8	*	80-120		**96.0**	%REC	1	10/16/2020 13:51	170208

Client: ERM
Client Project: Champaign GW

Work Order: 20100994
Report Date: 22-Oct-2020

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
20100994-001	UMW-102-WG-20201012	Groundwater	4	10/12/2020 14:40
20100994-002	UMW-105-WG-20201014	Groundwater	4	10/14/2020 10:00
20100994-003	UMW-106R-WG-20201013	Groundwater	4	10/13/2020 14:45
20100994-004	UMW-107R-WG-20201013	Groundwater	4	10/13/2020 12:20
20100994-005	UMW-108-WG-20201013	Groundwater	4	10/13/2020 11:20
20100994-006	UMW-109-WG-20201013	Groundwater	4	10/13/2020 9:10
20100994-007	UMW-111A-WG-20201013	Groundwater	4	10/13/2020 10:00
20100994-008	UMW-116-WG-20201013	Groundwater	4	10/13/2020 11:50
20100994-009	UMW-117-WG-20201013	Groundwater	4	10/13/2020 12:45
20100994-010	UMW-118-WG-20201013	Groundwater	4	10/13/2020 10:30
20100994-011	UMW-119-WG-20201012	Groundwater	4	10/12/2020 16:30
20100994-012	UMW-120-WG-20201012	Groundwater	4	10/12/2020 15:55
20100994-013	UMW-121-WG-20201014	Groundwater	4	10/14/2020 11:00
20100994-014	UMW-122-WG-20201013	Groundwater	4	10/13/2020 16:45
20100994-015	UMW-123-WG-20201013	Groundwater	4	10/13/2020 15:15
20100994-016	UMW-124-WG-20201014	Groundwater	4	10/14/2020 12:30
20100994-017	UMW-125-WG-20201014	Groundwater	4	10/14/2020 13:20
20100994-018	UMW-126-WG-20201014	Groundwater	4	10/14/2020 8:50
20100994-019	UMW-127-WG-20201014	Groundwater	4	10/14/2020 11:45
20100994-020	UMW-300-WG-20201013	Groundwater	4	10/13/2020 8:45
20100994-021	UMW-301R-WG-20201014	Groundwater	4	10/14/2020 10:10
20100994-022	UMW-302-WG-20201014	Groundwater	4	10/14/2020 12:00
20100994-023	UMW-303-WG-20201013	Groundwater	4	10/13/2020 13:45
20100994-024	UMW-304R-WG-20201014	Groundwater	4	10/14/2020 14:00
20100994-025	UMW-305-WG-20201014	Groundwater	4	10/14/2020 8:15
20100994-026	UMW-306-WG-20201013	Groundwater	4	10/13/2020 18:00
20100994-027	UMW-307-WG-20201013	Groundwater	4	10/13/2020 16:10
20100994-028	UMW-308-WG-20201014	Groundwater	4	10/14/2020 13:45
20100994-029	DUP 001-WG-20201014	Groundwater	4	10/14/2020 0:00
20100994-030	DUP 002-WG-20201014	Groundwater	4	10/14/2020 0:00
20100994-031	DUP 003-WG-20201014	Groundwater	4	10/14/2020 0:00
20100994-032	EB-01-WQ-20201014	Aqueous	4	10/14/2020 8:30
20100994-033	TB-01-WQ-20201012	Trip Blank	1	10/15/2020 12:05
20100994-034	EB-02-WQ-20201014	Aqueous	4	10/14/2020 8:40

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20100994-001A	UMW-102-WG-20201012	10/12/2020 14:40	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 11:31
20100994-001B	UMW-102-WG-20201012	10/12/2020 14:40	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 2:39
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 18:57
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:19
20100994-001C	UMW-102-WG-20201012	10/12/2020 14:40	10/15/2020 12:05		
	SW-846 9012A (Total)			10/16/2020 17:35	10/19/2020 14:33
20100994-001D	UMW-102-WG-20201012	10/12/2020 14:40	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 9:14
20100994-002A	UMW-105-WG-20201014	10/14/2020 10:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 12:12
20100994-002B	UMW-105-WG-20201014	10/14/2020 10:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 2:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:01
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:39
20100994-002C	UMW-105-WG-20201014	10/14/2020 10:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/16/2020 17:35	10/19/2020 14:37
20100994-002D	UMW-105-WG-20201014	10/14/2020 10:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 9:40
20100994-003A	UMW-106R-WG-20201013	10/13/2020 14:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 12:53
20100994-003B	UMW-106R-WG-20201013	10/13/2020 14:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 2:46
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:05
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:41
20100994-003C	UMW-106R-WG-20201013	10/13/2020 14:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 11:27
20100994-003D	UMW-106R-WG-20201013	10/13/2020 14:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 10:07
20100994-004A	UMW-107R-WG-20201013	10/13/2020 12:20	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 13:33
20100994-004B	UMW-107R-WG-20201013	10/13/2020 12:20	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 2:50
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:19

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:43
20100994-004C	UMW-107R-WG-20201013	10/13/2020 12:20	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:33
20100994-004D	UMW-107R-WG-20201013	10/13/2020 12:20	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 10:34
20100994-005A	UMW-108-WG-20201013	10/13/2020 11:20	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 14:14
20100994-005B	UMW-108-WG-20201013	10/13/2020 11:20	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:04
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:23
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:45
20100994-005C	UMW-108-WG-20201013	10/13/2020 11:20	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 11:58
20100994-005D	UMW-108-WG-20201013	10/13/2020 11:20	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 11:01
20100994-006A	UMW-109-WG-20201013	10/13/2020 9:10	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 14:55
20100994-006B	UMW-109-WG-20201013	10/13/2020 9:10	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:08
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:27
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:48
20100994-006C	UMW-109-WG-20201013	10/13/2020 9:10	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 9:35
20100994-006D	UMW-109-WG-20201013	10/13/2020 9:10	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 11:27
20100994-007A	UMW-111A-WG-20201013	10/13/2020 10:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 15:36
20100994-007B	UMW-111A-WG-20201013	10/13/2020 10:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:19
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:38
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:50
20100994-007C	UMW-111A-WG-20201013	10/13/2020 10:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:02
20100994-007D	UMW-111A-WG-20201013	10/13/2020 10:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 11:54

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20100994-008A	UMW-116-WG-20201013	10/13/2020 11:50	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 16:17
20100994-008B	UMW-116-WG-20201013	10/13/2020 11:50	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:23
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:41
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:52
20100994-008C	UMW-116-WG-20201013	10/13/2020 11:50	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:06
20100994-008D	UMW-116-WG-20201013	10/13/2020 11:50	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 12:20
20100994-009A	UMW-117-WG-20201013	10/13/2020 12:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 16:58
20100994-009B	UMW-117-WG-20201013	10/13/2020 12:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:26
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 19:52
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 13:59
20100994-009C	UMW-117-WG-20201013	10/13/2020 12:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:15
20100994-009D	UMW-117-WG-20201013	10/13/2020 12:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 12:47
20100994-010A	UMW-118-WG-20201013	10/13/2020 10:30	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 17:39
20100994-010B	UMW-118-WG-20201013	10/13/2020 10:30	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:30
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:07
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:01
20100994-010C	UMW-118-WG-20201013	10/13/2020 10:30	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:19
20100994-010D	UMW-118-WG-20201013	10/13/2020 10:30	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 13:14
20100994-011A	UMW-119-WG-20201012	10/12/2020 16:30	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 18:20
20100994-011B	UMW-119-WG-20201012	10/12/2020 16:30	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:34
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:11

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:22
20100994-011C	UMW-119-WG-20201012	10/12/2020 16:30	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:24
20100994-011D	UMW-119-WG-20201012	10/12/2020 16:30	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 13:40
20100994-012A	UMW-120-WG-20201012	10/12/2020 15:55	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 19:01
20100994-012B	UMW-120-WG-20201012	10/12/2020 15:55	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:37
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:14
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:24
20100994-012C	UMW-120-WG-20201012	10/12/2020 15:55	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:28
20100994-012D	UMW-120-WG-20201012	10/12/2020 15:55	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 14:07
20100994-013A	UMW-121-WG-20201014	10/14/2020 11:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 21:45
20100994-013B	UMW-121-WG-20201014	10/14/2020 11:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:52
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:18
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:04
20100994-013C	UMW-121-WG-20201014	10/14/2020 11:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:37
20100994-013D	UMW-121-WG-20201014	10/14/2020 11:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 14:34
20100994-014A	UMW-122-WG-20201013	10/13/2020 16:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 22:26
20100994-014B	UMW-122-WG-20201013	10/13/2020 16:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:56
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:22
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:06
20100994-014C	UMW-122-WG-20201013	10/13/2020 16:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:41
20100994-014D	UMW-122-WG-20201013	10/13/2020 16:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 15:01

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20100994-015A	UMW-123-WG-20201013	10/13/2020 15:15	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 17:13	10/16/2020 23:07
20100994-015B	UMW-123-WG-20201013	10/13/2020 15:15	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 3:59
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:25
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:08
20100994-015C	UMW-123-WG-20201013	10/13/2020 15:15	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 12:45
20100994-015D	UMW-123-WG-20201013	10/13/2020 15:15	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 15:27
20100994-016A	UMW-124-WG-20201014	10/14/2020 12:30	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/16/2020 23:48
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/19/2020 16:25
20100994-016B	UMW-124-WG-20201014	10/14/2020 12:30	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 4:03
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:29
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:10
20100994-016C	UMW-124-WG-20201014	10/14/2020 12:30	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:11
20100994-016D	UMW-124-WG-20201014	10/14/2020 12:30	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 15:54
20100994-017A	UMW-125-WG-20201014	10/14/2020 13:20	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/17/2020 0:29
20100994-017B	UMW-125-WG-20201014	10/14/2020 13:20	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:29	10/20/2020 4:07
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:33
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:31
20100994-017C	UMW-125-WG-20201014	10/14/2020 13:20	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 9:57
20100994-017D	UMW-125-WG-20201014	10/14/2020 13:20	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 16:20
20100994-018A	UMW-126-WG-20201014	10/14/2020 8:50	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/17/2020 1:10
20100994-018B	UMW-126-WG-20201014	10/14/2020 8:50	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:10

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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)			10/20/2020 15:29	10/21/2020 20:36
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:33
20100994-018C	UMW-126-WG-20201014	10/14/2020 8:50	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:16
20100994-018D	UMW-126-WG-20201014	10/14/2020 8:50	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 16:47
20100994-019A	UMW-127-WG-20201014	10/14/2020 11:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/17/2020 1:51
20100994-019B	UMW-127-WG-20201014	10/14/2020 11:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:14
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 15:29	10/21/2020 20:40
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:36
20100994-019C	UMW-127-WG-20201014	10/14/2020 11:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:24
20100994-019D	UMW-127-WG-20201014	10/14/2020 11:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 17:13
20100994-020A	UMW-300-WG-20201013	10/13/2020 8:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/15/2020 20:28	10/17/2020 2:32
20100994-020B	UMW-300-WG-20201013	10/13/2020 8:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:18
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 14:34
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:13
20100994-020C	UMW-300-WG-20201013	10/13/2020 8:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/19/2020 17:47	10/20/2020 13:29
20100994-020D	UMW-300-WG-20201013	10/13/2020 8:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 14:52
20100994-021A	UMW-301R-WG-20201014	10/14/2020 10:10	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 10:26	10/19/2020 17:07
20100994-021B	UMW-301R-WG-20201014	10/14/2020 10:10	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:21
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 14:38
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:38
20100994-021C	UMW-301R-WG-20201014	10/14/2020 10:10	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 11:25
20100994-021D	UMW-301R-WG-20201014	10/14/2020 10:10	10/15/2020 12:05		

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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				10/16/2020 15:18
20100994-022A	UMW-302-WG-20201014	10/14/2020 12:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 10:26	10/19/2020 17:48
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 10:26	10/21/2020 3:44
20100994-022B	UMW-302-WG-20201014	10/14/2020 12:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:25
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 14:41
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:47
20100994-022C	UMW-302-WG-20201014	10/14/2020 12:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 16:07
20100994-022D	UMW-302-WG-20201014	10/14/2020 12:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 15:43
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/19/2020 17:52
20100994-023A	UMW-303-WG-20201013	10/13/2020 13:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 10:26	10/19/2020 18:29
20100994-023B	UMW-303-WG-20201013	10/13/2020 13:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:40
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 14:45
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:15
20100994-023C	UMW-303-WG-20201013	10/13/2020 13:45	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 13:44
20100994-023D	UMW-303-WG-20201013	10/13/2020 13:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 16:09
20100994-024A	UMW-304R-WG-20201014	10/14/2020 14:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 11:34	10/19/2020 19:10
20100994-024B	UMW-304R-WG-20201014	10/14/2020 14:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:43
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:12
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:49
20100994-024C	UMW-304R-WG-20201014	10/14/2020 14:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 13:48
20100994-024D	UMW-304R-WG-20201014	10/14/2020 14:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 16:35
20100994-025A	UMW-305-WG-20201014	10/14/2020 8:15	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 11:34	10/20/2020 16:05

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20100994-025B	UMW-305-WG-20201014	10/14/2020 8:15	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:47
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:15
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:52
20100994-025C	UMW-305-WG-20201014	10/14/2020 8:15	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 13:57
20100994-025D	UMW-305-WG-20201014	10/14/2020 8:15	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 17:00
20100994-026A	UMW-306-WG-20201013	10/13/2020 18:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 11:34	10/20/2020 16:47
20100994-026B	UMW-306-WG-20201013	10/13/2020 18:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 4:51
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:19
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:17
20100994-026C	UMW-306-WG-20201013	10/13/2020 18:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/16/2020 17:35	10/19/2020 10:44
20100994-026D	UMW-306-WG-20201013	10/13/2020 18:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 10:19
20100994-027A	UMW-307-WG-20201013	10/13/2020 16:10	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 11:34	10/20/2020 18:50
20100994-027B	UMW-307-WG-20201013	10/13/2020 16:10	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:02
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:30
	SW-846 7470A (Total)			10/15/2020 16:12	10/16/2020 14:29
20100994-027C	UMW-307-WG-20201013	10/13/2020 16:10	10/15/2020 12:05		
	SW-846 9012A (Total)			10/16/2020 17:35	10/19/2020 11:01
20100994-027D	UMW-307-WG-20201013	10/13/2020 16:10	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/21/2020 11:21
20100994-028A	UMW-308-WG-20201014	10/14/2020 13:45	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/21/2020 1:41
20100994-028B	UMW-308-WG-20201014	10/14/2020 13:45	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:13
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:41
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 10:54
20100994-028C	UMW-308-WG-20201014	10/14/2020 13:45	10/15/2020 12:05		

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 14:01
20100994-028D	UMW-308-WG-20201014	10/14/2020 13:45	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 17:26
20100994-029A	DUP 001-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/21/2020 2:22
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/21/2020 3:03
20100994-029B	DUP 001-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 15:45
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 11:05
20100994-029C	DUP 001-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 14:06
20100994-029D	DUP 001-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 11:39
20100994-030A	DUP 002-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/20/2020 20:53
20100994-030B	DUP 002-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:31
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 16:44
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 11:08
20100994-030C	DUP 002-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 14:10
20100994-030D	DUP 002-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 12:05
20100994-031A	DUP 003-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/20/2020 21:34
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/21/2020 10:38
20100994-031B	DUP 003-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:35
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 16:48
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 11:10
20100994-031C	DUP 003-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 16:11
20100994-031D	DUP 003-WG-20201014	10/14/2020 0:00	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 12:31
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/20/2020 16:49

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20100994-032A	EB-01-WQ-20201014	10/14/2020 8:30	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/20/2020 22:15
20100994-032B	EB-01-WQ-20201014	10/14/2020 8:30	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:38
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 16:52
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 11:12
20100994-032C	EB-01-WQ-20201014	10/14/2020 8:30	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 14:23
20100994-032D	EB-01-WQ-20201014	10/14/2020 8:30	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 12:58
20100994-033A	TB-01-WQ-20201012	10/15/2020 12:05	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 13:24
20100994-034A	EB-02-WQ-20201014	10/14/2020 8:40	10/15/2020 12:05		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			10/19/2020 16:35	10/20/2020 22:57
20100994-034B	EB-02-WQ-20201014	10/14/2020 8:40	10/15/2020 12:05		
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/16/2020 14:35	10/20/2020 5:42
	SW-846 3005A, 6010B, Metals by ICP (Total)			10/20/2020 17:25	10/21/2020 16:56
	SW-846 7470A (Total)			10/16/2020 17:18	10/19/2020 11:15
20100994-034C	EB-02-WQ-20201014	10/14/2020 8:40	10/15/2020 12:05		
	SW-846 9012A (Total)			10/20/2020 20:00	10/21/2020 14:28
20100994-034D	EB-02-WQ-20201014	10/14/2020 8:40	10/15/2020 12:05		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				10/16/2020 13:51

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

SW-846 9012A (TOTAL)

Batch 170220 **SampType:** MBLK Units **mg/L**
SampID: MBLK 201016 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0030	0	0	-100	100	10/19/2020

Batch 170220 **SampType:** LCS Units **mg/L**
SampID: LCS 201016 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.8	90	110	10/19/2020

Batch 170220 **SampType:** MS Units **mg/L**
SampID: 20100994-026CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.042**	0.0250	0.01819	94.1	75	125	10/19/2020

Batch 170220 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-026CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.043**	0.0250	0.01819	100.0	0.04170	3.48	10/19/2020

Batch 170220 **SampType:** MS Units **mg/L**
SampID: 20100994-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.060**	0.0250	0.03380	102.9	75	125	10/19/2020

Batch 170220 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.061**	0.0250	0.03380	108.7	0.05951	2.41	10/19/2020

Batch 170270 **SampType:** MBLK Units **mg/L**
SampID: MBLK 201019 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0030	0	0	-100	100	10/20/2020

Batch 170270 **SampType:** LCS Units **mg/L**
SampID: LCS 201019 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.4	85	115	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

SW-846 9012A (TOTAL)

Batch 170270 **SampType:** MS Units **mg/L**
SampID: 20100994-006CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.055**	0.0250	0.03156	92.4	75	125	10/20/2020

Batch 170270 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-006CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.057**	0.0250	0.03156	101.7	0.05466	4.17	10/20/2020

Batch 170270 **SampType:** MS Units **mg/L**
SampID: 20100994-017CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005	E	**0.051**	0.0250	0.02544	103.7	75	125	10/20/2020

Batch 170270 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-017CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005	E	**0.053**	0.0250	0.02544	108.4	0.05136	2.26	10/20/2020

Batch 170303 **SampType:** MBLK Units **mg/L**
SampID: MBLK 201020 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0030	0	0	-100	100	10/21/2020

Batch 170303 **SampType:** LCS Units **mg/L**
SampID: LCS 201020 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.3	90	110	10/21/2020

Batch 170303 **SampType:** MS Units **mg/L**
SampID: 20100994-021CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	96.7	75	125	10/21/2020

Batch 170303 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-021CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	101.3	0.02418	4.63	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)

Batch 170222 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**< 0.0400**	0.0200	0	0	-100	100	10/19/2020
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/19/2020

Batch 170222 **SampType:** LCS Units **mg/L**

SampID: LCS-170222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400		**2.06**	2.000	0	103.0	85	115	10/19/2020
Lead		0.0150		**0.522**	0.5000	0	104.3	85	115	10/19/2020

Batch 170224 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170224

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400	S	**0.101**	0.0200	0	504.5	-100	100	10/19/2020
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/19/2020

Batch 170224 **SampType:** LCS Units **mg/L**

SampID: LCS-170224

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Iron		0.0400	B	**2.02**	2.000	0	101.0	85	115	10/19/2020
Lead		0.0150		**0.509**	0.5000	0	101.8	85	115	10/19/2020

Batch 170309 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170309

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/21/2020

Batch 170309 **SampType:** LCS Units **mg/L**

SampID: LCS-170309

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**0.525**	0.5000	0	105.1	85	115	10/21/2020

Batch 170317 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170317

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)

Batch 170317 **SampType:** LCS Units **mg/L**

SampID: LCS-170317

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead		0.0150		**0.525**	0.5000	0	105.0	85	115	10/21/2020

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

Batch 170222 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170222

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	10/19/2020
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/19/2020
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/19/2020
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/19/2020
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/19/2020
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/19/2020

Batch 170222 **SampType:** LCS Units **mg/L**

SampID: LCS-170222

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.554**	0.5000	0	110.7	85	115	10/19/2020
Barium		0.0025		**2.12**	2.000	0	106.2	85	115	10/19/2020
Cadmium		0.0020		**0.0528**	0.0500	0	105.6	85	115	10/19/2020
Chromium		0.0050		**0.203**	0.2000	0	101.6	85	115	10/19/2020
Selenium		0.0400		**0.505**	0.5000	0	101.0	85	115	10/19/2020

Batch 170222 **SampType:** MS Units **mg/L**

SampID: 20100994-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.576**	0.5000	0	115.1	75	125	10/20/2020
Barium		0.0025		**2.26**	2.000	0.1012	107.7	75	125	10/20/2020
Cadmium		0.0020		**0.0531**	0.0500	0	106.2	75	125	10/20/2020
Chromium		0.0050		**0.248**	0.2000	0.04350	102.3	75	125	10/20/2020
Lead		0.0150		**0.518**	0.5000	0	103.6	75	125	10/20/2020
Selenium		0.0400		**0.534**	0.5000	0	106.9	75	125	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170222 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20100994-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.575**	0.5000	0	115.0	0.5757	0.10	10/20/2020
Barium		0.0025		**2.24**	2.000	0.1012	106.8	2.256	0.80	10/20/2020
Cadmium		0.0020		**0.0526**	0.0500	0	105.2	0.05310	0.95	10/20/2020
Chromium		0.0050		**0.240**	0.2000	0.04350	98.5	0.2481	3.11	10/20/2020
Lead		0.0150		**0.515**	0.5000	0	103.0	0.5182	0.60	10/20/2020
Selenium		0.0400		**0.528**	0.5000	0	105.6	0.5343	1.17	10/20/2020

Batch 170224 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170224

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	10/19/2020
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/19/2020
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/19/2020
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/19/2020
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/19/2020
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/19/2020

Batch 170224 **SampType:** LCS Units **mg/L**

SampID: LCS-170224

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.547**	0.5000	0	109.3	85	115	10/19/2020
Barium		0.0025		**2.09**	2.000	0	104.3	85	115	10/19/2020
Cadmium		0.0020		**0.0518**	0.0500	0	103.6	85	115	10/19/2020
Chromium		0.0050		**0.200**	0.2000	0	99.9	85	115	10/19/2020
Selenium		0.0400		**0.494**	0.5000	0	98.7	85	115	10/19/2020

Batch 170224 **SampType:** MS Units **mg/L**

SampID: 20100994-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.568**	0.5000	0	113.7	75	125	10/20/2020
Barium		0.0025		**2.26**	2.000	0.1210	107.1	75	125	10/20/2020
Cadmium		0.0020		**0.0529**	0.0500	0	105.8	75	125	10/20/2020
Chromium		0.0050		**0.203**	0.2000	0	101.6	75	125	10/20/2020
Lead		0.0150		**0.520**	0.5000	0	104.0	75	125	10/20/2020
Selenium		0.0400		**0.519**	0.5000	0	103.8	75	125	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170224 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20100994-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.558**	0.5000	0	111.5	0.5685	1.94	10/20/2020
Barium		0.0025		**2.24**	2.000	0.1210	105.7	2.263	1.24	10/20/2020
Cadmium		0.0020		**0.0517**	0.0500	0	103.4	0.05290	2.29	10/20/2020
Chromium		0.0050		**0.202**	0.2000	0	100.8	0.2031	0.74	10/20/2020
Lead		0.0150		**0.515**	0.5000	0	103.0	0.5202	1.02	10/20/2020
Selenium		0.0400		**0.514**	0.5000	0	102.7	0.5188	1.01	10/20/2020

Batch 170224 **SampType:** MS Units **mg/L**

SampID: 20100994-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.556**	0.5000	0	111.3	75	125	10/20/2020
Barium		0.0025		**2.22**	2.000	0.1136	105.1	75	125	10/20/2020
Cadmium		0.0020		**0.0515**	0.0500	0	103.0	75	125	10/20/2020
Chromium		0.0050		**0.201**	0.2000	0	100.4	75	125	10/20/2020
Lead		0.0150		**0.512**	0.5000	0	102.3	75	125	10/20/2020
Selenium		0.0400		**0.507**	0.5000	0	101.4	75	125	10/20/2020

Batch 170224 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20100994-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.557**	0.5000	0	111.5	0.5564	0.18	10/20/2020
Barium		0.0025		**2.21**	2.000	0.1136	104.9	2.216	0.23	10/20/2020
Cadmium		0.0020		**0.0516**	0.0500	0	103.2	0.05150	0.19	10/20/2020
Chromium		0.0050		**0.201**	0.2000	0	100.5	0.2008	0.10	10/20/2020
Lead		0.0150		**0.509**	0.5000	0	101.9	0.5117	0.45	10/20/2020
Selenium		0.0400		**0.514**	0.5000	0	102.7	0.5069	1.31	10/20/2020

Batch 170309 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170309

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	10/21/2020
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/21/2020
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/21/2020
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/21/2020
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/21/2020
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170309 **SampType:** LCS Units **mg/L**

SampID: LCS-170309

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.554**	0.5000	0	110.8	85	115	10/21/2020
Barium		0.0025		**2.17**	2.000	0	108.4	85	115	10/21/2020
Cadmium		0.0020		**0.0526**	0.0500	0	105.2	85	115	10/21/2020
Chromium		0.0050		**0.208**	0.2000	0	103.8	85	115	10/21/2020
Selenium		0.0400		**0.524**	0.5000	0	104.7	85	115	10/21/2020
Silver		0.0070		**0.0528**	0.0500	0	105.6	85	115	10/21/2020

Batch 170309 **SampType:** MS Units **mg/L**

SampID: 20100994-006BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver		0.0070		**0.0535**	0.0500	0	107.0	75	125	10/21/2020

Batch 170309 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20100994-006BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Silver		0.0070		**0.0560**	0.0500	0	112.0	0.05350	4.57	10/21/2020

Batch 170309 **SampType:** MS Units **mg/L**

SampID: 20100994-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver		0.0070		**0.0527**	0.0500	0	105.4	75	125	10/21/2020

Batch 170309 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20100994-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Silver		0.0070		**0.0534**	0.0500	0	106.8	0.05270	1.32	10/21/2020

Batch 170317 **SampType:** MBLK Units **mg/L**

SampID: MBLK-170317

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	10/21/2020
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	10/21/2020
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	10/21/2020
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	10/21/2020
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	10/21/2020
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170317 **SampType:** LCS Units **mg/L**
SampID: LCS-170317

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.550**	0.5000	0	109.9	85	115	10/21/2020
Barium		0.0025		**2.16**	2.000	0	108.2	85	115	10/21/2020
Cadmium		0.0020		**0.0521**	0.0500	0	104.2	85	115	10/21/2020
Chromium		0.0050		**0.206**	0.2000	0	102.8	85	115	10/21/2020
Selenium		0.0400		**0.503**	0.5000	0	100.6	85	115	10/21/2020
Silver		0.0070		**0.0526**	0.0500	0	105.2	85	115	10/21/2020

Batch 170317 **SampType:** MS Units **mg/L**
SampID: 20100994-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver		0.0070		**0.0552**	0.0500	0	110.4	75	125	10/21/2020

Batch 170317 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 20100994-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Silver		0.0070		**0.0532**	0.0500	0	106.4	0.05520	3.69	10/21/2020

Batch 170317 **SampType:** MS Units **mg/L**
SampID: 20100994-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Silver		0.0070		**0.0528**	0.0500	0	105.6	75	125	10/21/2020

Batch 170317 **SampType:** MSD Units **mg/L** RPD Limit **20**
SampID: 20100994-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Silver		0.0070		**0.0535**	0.0500	0	107.0	0.05280	1.32	10/21/2020

SW-846 7470A (TOTAL)

Batch 170185 **SampType:** MBLK Units **mg/L**
SampID: MBLK-170185

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	10/16/2020

Batch 170185 **SampType:** LCS Units **mg/L**
SampID: LCS-170185

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00482**	0.0050	0	96.4	85	115	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

SW-846 7470A (TOTAL)

Batch 170185 **SampType:** MS Units **mg/L**
SampID: 20100994-026BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00537**	0.0050	0	107.4	75	125	10/16/2020

Batch 170185 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-026BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00515**	0.0050	0	102.9	0.005372	4.29	10/16/2020

Batch 170185 **SampType:** MS Units **mg/L**
SampID: 20100994-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00500**	0.0050	0	100.0	75	125	10/16/2020

Batch 170185 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00495**	0.0050	0	99.0	0.005000	1.06	10/16/2020

Batch 170232 **SampType:** MBLK Units **mg/L**
SampID: MBLK-170232

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	10/19/2020

Batch 170232 **SampType:** LCS Units **mg/L**
SampID: LCS-170232

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00528**	0.0050	0	105.7	85	115	10/19/2020

Batch 170232 **SampType:** MS Units **mg/L**
SampID: 20100994-028BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00561**	0.0050	0	112.3	75	125	10/19/2020

Batch 170232 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20100994-028BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00541**	0.0050	0	108.2	0.005613	3.67	10/19/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch **170187** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-170187

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.000200		**ND**						10/16/2020
Acenaphthene		0.000100		**ND**						10/16/2020
Acenaphthylene		0.000100		**ND**						10/16/2020
Anthracene		0.000300		**ND**						10/16/2020
Benzo(a)anthracene		0.000100		**ND**						10/16/2020
Benzo(a)pyrene		0.000100		**ND**						10/16/2020
Benzo(b)fluoranthene		0.000100		**ND**						10/16/2020
Benzo(g,h,i)perylene		0.000200		**ND**						10/16/2020
Benzo(k)fluoranthene		0.000100		**ND**						10/16/2020
Chrysene		0.000100		**ND**						10/16/2020
Dibenzo(a,h)anthracene		0.000100		**ND**						10/16/2020
Fluoranthene		0.000300		**ND**						10/16/2020
Fluorene		0.000200		**ND**						10/16/2020
Indeno(1,2,3-cd)pyrene		0.000100		**ND**						10/16/2020
m,p-Cresol		0.0100		**ND**						10/16/2020
Naphthalene		0.000400		**ND**						10/16/2020
o-Cresol		0.0100		**ND**						10/16/2020
Phenanthrene		0.000600		**ND**						10/16/2020
Pyrene		0.000200		**ND**						10/16/2020
Total PNAs except Naphthalene	*	0.00200		**ND**						10/16/2020
Surr: 2-Fluorobiphenyl	*			**0.000767**	0.0010		76.7	55.1	115	10/16/2020
Surr: Nitrobenzene-d5	*			**0.000853**	0.0010		85.3	53.3	123	10/16/2020
Surr: p-Terphenyl-d14	*			**0.00147**	0.0010		146.6	50.3	150	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170187 **SampType:** LCS Units **mg/L**

SampID: LCS-170187

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.000200		**0.00150**	0.0020	0	75.2	56.7	96	10/16/2020
Acenaphthene		0.000100		**0.00173**	0.0020	0	86.5	65.1	101	10/16/2020
Acenaphthylene		0.000100		**0.00172**	0.0020	0	86.1	68.1	107	10/16/2020
Anthracene		0.000300		**0.00186**	0.0020	0	93.1	63.3	106	10/16/2020
Benzo(a)anthracene		0.000100		**0.00167**	0.0020	0	83.5	63.7	107	10/16/2020
Benzo(a)pyrene		0.000100		**0.00178**	0.0020	0	89.0	68.7	113	10/16/2020
Benzo(b)fluoranthene		0.000100		**0.00167**	0.0020	0	83.7	60.7	117	10/16/2020
Benzo(g,h,i)perylene		0.000200		**0.00172**	0.0020	0	86.2	66.8	120	10/16/2020
Benzo(k)fluoranthene		0.000100		**0.00175**	0.0020	0	87.4	66.3	110	10/16/2020
Chrysene		0.000100		**0.00180**	0.0020	0	90.1	67.1	109	10/16/2020
Dibenzo(a,h)anthracene		0.000100		**0.00169**	0.0020	0	84.7	58.6	127	10/16/2020
Fluoranthene		0.000300	S	**0.00211**	0.0020	0	105.4	70.2	101	10/16/2020
Fluorene		0.000200		**0.00190**	0.0020	0	95.2	68.4	106	10/16/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00175**	0.0020	0	87.3	66.3	117	10/16/2020
m,p-Cresol		0.0100		**0.0165**	0.0200	0	82.6	59.3	106	10/16/2020
Naphthalene		0.000400		**0.00152**	0.0020	0	76.1	58.9	98.2	10/16/2020
o-Cresol		0.0100		**0.0166**	0.0200	0	83.1	54.7	113	10/16/2020
Phenanthrene		0.000600		**0.00202**	0.0020	0	101.0	71.8	116	10/16/2020
Pyrene		0.000200		**0.00195**	0.0020	0	97.5	66.2	102	10/16/2020
Surr: 2-Fluorobiphenyl	*			**0.000838**	0.0010		83.8	55.1	115	10/16/2020
Surr: Nitrobenzene-d5	*			**0.000800**	0.0010		80.0	53.3	123	10/16/2020
Surr: p-Terphenyl-d14	*			**0.00127**	0.0010		126.8	50.3	150	10/16/2020

Client: ERM **Work Order:** 20100994

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

Batch **170187** **SampType:** **LCSD** Units **mg/L** RPD Limit **40**

SampID: LCSD-170187

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2-Methylnaphthalene		0.000200		**0.00146**	0.0020	0	73.1	0.001504	2.88	10/16/2020
Acenaphthene		0.000100		**0.00160**	0.0020	0	80.2	0.001729	7.50	10/16/2020
Acenaphthylene		0.000100		**0.00160**	0.0020	0	79.9	0.001722	7.42	10/16/2020
Anthracene		0.000300		**0.00170**	0.0020	0	85.2	0.001862	8.83	10/16/2020
Benzo(a)anthracene		0.000100		**0.00166**	0.0020	0	83.2	0.001670	0.37	10/16/2020
Benzo(a)pyrene		0.000100		**0.00173**	0.0020	0	86.7	0.001780	2.65	10/16/2020
Benzo(b)fluoranthene		0.000100		**0.00165**	0.0020	0	82.7	0.001674	1.17	10/16/2020
Benzo(g,h,i)perylene		0.000200		**0.00162**	0.0020	0	81.0	0.001724	6.26	10/16/2020
Benzo(k)fluoranthene		0.000100		**0.00177**	0.0020	0	88.4	0.001747	1.18	10/16/2020
Chrysene		0.000100		**0.00174**	0.0020	0	86.9	0.001802	3.58	10/16/2020
Dibenzo(a,h)anthracene		0.000100		**0.00164**	0.0020	0	81.8	0.001694	3.48	10/16/2020
Fluoranthene		0.000300		**0.00180**	0.0020	0	89.8	0.002108	16.03	10/16/2020
Fluorene		0.000200		**0.00181**	0.0020	0	90.4	0.001904	5.16	10/16/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00164**	0.0020	0	81.8	0.001746	6.53	10/16/2020
m,p-Cresol		0.0100		**0.0165**	0.0200	0	82.6	0.01652	0.03	10/16/2020
Naphthalene		0.000400		**0.00144**	0.0020	0	72.2	0.001521	5.16	10/16/2020
o-Cresol		0.0100		**0.0169**	0.0200	0	84.3	0.01661	1.45	10/16/2020
Phenanthrene		0.000600		**0.00176**	0.0020	0	87.9	0.002019	13.87	10/16/2020
Pyrene		0.000200		**0.00173**	0.0020	0	86.7	0.001950	11.72	10/16/2020
Surr: 2-Fluorobiphenyl	*			**0.000842**	0.0010		84.2			10/16/2020
Surr: Nitrobenzene-d5	*			**0.000800**	0.0010		80.0			10/16/2020
Surr: p-Terphenyl-d14	*			**0.00113**	0.0010		113.4			10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch **170249** **SampType:** **MBLK** Units **mg/L**

SampID: MBLK-170249

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.000200		**ND**						10/20/2020
Acenaphthene		0.000100		**ND**						10/20/2020
Acenaphthylene		0.000100		**ND**						10/20/2020
Anthracene		0.000300		**ND**						10/20/2020
Benzo(a)anthracene		0.000100		**ND**						10/20/2020
Benzo(a)pyrene		0.000100		**ND**						10/20/2020
Benzo(b)fluoranthene		0.000100		**ND**						10/20/2020
Benzo(g,h,i)perylene		0.000200		**ND**						10/20/2020
Benzo(k)fluoranthene		0.000100		**ND**						10/20/2020
Chrysene		0.000100		**ND**						10/20/2020
Dibenzo(a,h)anthracene		0.000100		**ND**						10/20/2020
Fluoranthene		0.000300		**ND**						10/20/2020
Fluorene		0.000200		**ND**						10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**ND**						10/20/2020
m,p-Cresol		0.0100		**ND**						10/20/2020
Naphthalene		0.000400		**ND**						10/20/2020
o-Cresol		0.0100		**ND**						10/20/2020
Phenanthrene		0.000600		**ND**						10/20/2020
Pyrene		0.000200		**ND**						10/20/2020
Total PNAs except Naphthalene	*	0.00200		**ND**						10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000561**	0.0010		56.1	55.1	115	10/20/2020
Surr: Nitrobenzene-d5	*			**0.000657**	0.0010		65.7	53.3	123	10/20/2020
Surr: p-Terphenyl-d14	*			**0.000975**	0.0010		97.5	50.3	150	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch **170249** **SampType:** **LCS** Units **mg/L**

SampID: LCS-170249

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
2-Methylnaphthalene		0.000200	S	**0.00111**	0.0020	0	55.5	56.7	96	10/20/2020
Acenaphthene		0.000100		**0.00142**	0.0020	0	70.9	65.1	101	10/20/2020
Acenaphthylene		0.000100		**0.00146**	0.0020	0	72.9	68.1	107	10/20/2020
Anthracene		0.000300		**0.00137**	0.0020	0	68.4	63.3	106	10/20/2020
Benzo(a)anthracene		0.000100		**0.00135**	0.0020	0	67.4	63.7	107	10/20/2020
Benzo(a)pyrene		0.000100		**0.00141**	0.0020	0	70.3	68.7	113	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00134**	0.0020	0	67.2	60.7	117	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00162**	0.0020	0	81.2	66.8	120	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00134**	0.0020	0	66.8	66.3	110	10/20/2020
Chrysene		0.000100		**0.00140**	0.0020	0	70.0	67.1	109	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00145**	0.0020	0	72.7	58.6	127	10/20/2020
Fluoranthene		0.000300		**0.00152**	0.0020	0	75.9	70.2	101	10/20/2020
Fluorene		0.000200		**0.00146**	0.0020	0	72.9	68.4	106	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00152**	0.0020	0	75.8	66.3	117	10/20/2020
m,p-Cresol		0.0100		**0.0130**	0.0200	0	65.1	59.3	106	10/20/2020
Naphthalene		0.000400		**0.00129**	0.0020	0	64.5	58.9	98.2	10/20/2020
o-Cresol		0.0100		**0.0135**	0.0200	0	67.3	54.7	113	10/20/2020
Phenanthrene		0.000600		**0.00151**	0.0020	0	75.4	71.8	116	10/20/2020
Pyrene		0.000200		**0.00153**	0.0020	0	76.7	66.2	102	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000643**	0.0010		64.3	55.1	115	10/20/2020
Surr: Nitrobenzene-d5	*			**0.000714**	0.0010		71.4	53.3	123	10/20/2020
Surr: p-Terphenyl-d14	*			**0.00104**	0.0010		104.3	50.3	150	10/20/2020

Client: ERM **Work Order:** 20100994

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

Batch **170249** **SampType:** **LCSD** Units **mg/L** RPD Limit **40**

SampID: LCSD-170249

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
2-Methylnaphthalene		0.000200		**0.00137**	0.0020	0	68.4	0.001110	20.83	10/20/2020
Acenaphthene		0.000100		**0.00146**	0.0020	0	73.0	0.001419	2.92	10/20/2020
Acenaphthylene		0.000100		**0.00151**	0.0020	0	75.4	0.001457	3.44	10/20/2020
Anthracene		0.000300		**0.00148**	0.0020	0	74.0	0.001369	7.78	10/20/2020
Benzo(a)anthracene		0.000100		**0.00144**	0.0020	0	72.0	0.001348	6.65	10/20/2020
Benzo(a)pyrene		0.000100		**0.00157**	0.0020	0	78.4	0.001407	10.84	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00145**	0.0020	0	72.7	0.001344	7.90	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00169**	0.0020	0	84.7	0.001625	4.19	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00143**	0.0020	0	71.5	0.001336	6.81	10/20/2020
Chrysene		0.000100		**0.00146**	0.0020	0	72.8	0.001400	3.85	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00147**	0.0020	0	73.3	0.001455	0.78	10/20/2020
Fluoranthene		0.000300		**0.00169**	0.0020	0	84.6	0.001518	10.82	10/20/2020
Fluorene		0.000200		**0.00144**	0.0020	0	72.2	0.001458	0.99	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00165**	0.0020	0	82.3	0.001516	8.19	10/20/2020
m,p-Cresol		0.0100		**0.0146**	0.0200	0	72.9	0.01302	11.28	10/20/2020
Naphthalene		0.000400		**0.00129**	0.0020	0	64.7	0.001289	0.40	10/20/2020
o-Cresol		0.0100		**0.0149**	0.0200	0	74.3	0.01346	9.81	10/20/2020
Phenanthrene		0.000600		**0.00163**	0.0020	0	81.5	0.001507	7.82	10/20/2020
Pyrene		0.000200		**0.00172**	0.0020	0	86.0	0.001533	11.53	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000698**	0.0010		69.8			10/20/2020
Surr: Nitrobenzene-d5	*			**0.000709**	0.0010		70.9			10/20/2020
Surr: p-Terphenyl-d14	*			**0.00104**	0.0010		103.7			10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170249 **SampType:** MS Units **mg/L**

SampID: 20100994-026AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00110**	0.0020	0	54.9	28.3	133	10/20/2020
Acenaphthylene		0.000100		**0.00115**	0.0020	0	57.4	5	176	10/20/2020
Anthracene		0.000300		**0.00116**	0.0020	0	58.0	34.6	131	10/20/2020
Benzo(a)anthracene		0.000100		**0.00116**	0.0020	0	58.1	40.3	132	10/20/2020
Benzo(a)pyrene		0.000100		**0.00118**	0.0020	0	59.2	40.8	132	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00115**	0.0020	0	57.4	41.9	132	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00125**	0.0020	0	62.6	46	132	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00112**	0.0020	0	56.1	49.4	126	10/20/2020
Chrysene		0.000100		**0.00114**	0.0020	0	57.1	46.1	129	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00120**	0.0020	0	59.9	42.1	146	10/20/2020
Fluoranthene		0.000300		**0.00136**	0.0020	0	68.2	23.9	164	10/20/2020
Fluorene		0.000200		**0.00120**	0.0020	0	59.9	24.3	148	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00127**	0.0020	0	63.6	26.6	157	10/20/2020
Naphthalene		0.000400		**0.00104**	0.0020	0	52.2	24.2	132	10/20/2020
Phenanthrene		0.000600		**0.00123**	0.0020	0	61.6	36.6	139	10/20/2020
Pyrene		0.000200		**0.00140**	0.0020	0	69.8	14.6	169	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000626**	0.0010		62.6	21.4	142	10/20/2020
Surr: Nitrobenzene-d5	*			**0.000657**	0.0010		65.7	15	163	10/20/2020
Surr: p-Terphenyl-d14	*			**0.000937**	0.0010		93.7	10	173	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch **170249** **SampType:** **MSD** Units **mg/L** RPD Limit **40**

SampID: 20100994-026AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00146**	0.0020	0	73.0	0.001097	28.44	10/20/2020
Acenaphthylene		0.000100		**0.00152**	0.0020	0	75.9	0.001148	27.68	10/20/2020
Anthracene		0.000300		**0.00133**	0.0020	0	66.3	0.001160	13.31	10/20/2020
Benzo(a)anthracene		0.000100		**0.00140**	0.0020	0	70.0	0.001162	18.65	10/20/2020
Benzo(a)pyrene		0.000100		**0.00144**	0.0020	0	71.9	0.001185	19.29	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00140**	0.0020	0	69.9	0.001148	19.64	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00155**	0.0020	0	77.4	0.001252	21.13	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00136**	0.0020	0	68.2	0.001123	19.39	10/20/2020
Chrysene		0.000100		**0.00137**	0.0020	0	68.3	0.001142	17.84	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00144**	0.0020	0	72.2	0.001199	18.54	10/20/2020
Fluoranthene		0.000300		**0.00152**	0.0020	0	76.1	0.001364	10.90	10/20/2020
Fluorene		0.000200		**0.00148**	0.0020	0	73.9	0.001199	20.85	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00155**	0.0020	0	77.4	0.001272	19.48	10/20/2020
Naphthalene		0.000400		**0.00130**	0.0020	0	64.9	0.001044	21.64	10/20/2020
Phenanthrene		0.000600		**0.00137**	0.0020	0	68.6	0.001233	10.67	10/20/2020
Pyrene		0.000200		**0.00154**	0.0020	0	77.0	0.001396	9.90	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000693**	0.0010		69.3			10/20/2020
Surr: Nitrobenzene-d5	*			**0.000727**	0.0010		72.7			10/20/2020
Surr: p-Terphenyl-d14	*			**0.000948**	0.0010		94.8			10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch **170249** **SampType:** **MS** Units **mg/L**

SampID: 20100994-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00145**	0.0020	0	72.7	28.3	133	10/20/2020
Acenaphthylene		0.000100		**0.00145**	0.0020	0	72.3	5	176	10/20/2020
Anthracene		0.000300		**0.00137**	0.0020	0	68.7	34.6	131	10/20/2020
Benzo(a)anthracene		0.000100		**0.00137**	0.0020	0	68.5	40.3	132	10/20/2020
Benzo(a)pyrene		0.000100		**0.00143**	0.0020	0	71.3	40.8	132	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00143**	0.0020	0	71.4	41.9	132	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00157**	0.0020	0	78.4	46	132	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00137**	0.0020	0	68.5	49.4	126	10/20/2020
Chrysene		0.000100		**0.00139**	0.0020	0	69.4	46.1	129	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00147**	0.0020	0	73.6	42.1	146	10/20/2020
Fluoranthene		0.000300		**0.00159**	0.0020	0	79.4	23.9	164	10/20/2020
Fluorene		0.000200		**0.00144**	0.0020	0	72.2	24.3	148	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00155**	0.0020	0	77.6	26.6	157	10/20/2020
Naphthalene		0.000400		**0.00128**	0.0020	0	64.2	24.2	132	10/20/2020
Phenanthrene		0.000600		**0.00140**	0.0020	0	70.0	36.6	139	10/20/2020
Pyrene		0.000200		**0.00162**	0.0020	0	80.8	14.6	169	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000732**	0.0010		73.2	21.4	142	10/20/2020
Surr: Nitrobenzene-d5	*			**0.000787**	0.0010		78.7	15	163	10/20/2020
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		109.0	10	173	10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170249 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 20100994-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00143**	0.0020	0	71.4	0.001454	1.73	10/20/2020
Acenaphthylene		0.000100		**0.00148**	0.0020	0	74.2	0.001447	2.52	10/20/2020
Anthracene		0.000300		**0.00139**	0.0020	0	69.7	0.001374	1.39	10/20/2020
Benzo(a)anthracene		0.000100		**0.00144**	0.0020	0	72.2	0.001369	5.35	10/20/2020
Benzo(a)pyrene		0.000100		**0.00151**	0.0020	0	75.3	0.001426	5.46	10/20/2020
Benzo(b)fluoranthene		0.000100		**0.00146**	0.0020	0	73.2	0.001428	2.57	10/20/2020
Benzo(g,h,i)perylene		0.000200		**0.00170**	0.0020	0	84.9	0.001568	8.01	10/20/2020
Benzo(k)fluoranthene		0.000100		**0.00147**	0.0020	0	73.4	0.001370	6.89	10/20/2020
Chrysene		0.000100		**0.00145**	0.0020	0	72.7	0.001387	4.74	10/20/2020
Dibenzo(a,h)anthracene		0.000100		**0.00156**	0.0020	0	78.0	0.001472	5.85	10/20/2020
Fluoranthene		0.000300		**0.00160**	0.0020	0	79.9	0.001589	0.54	10/20/2020
Fluorene		0.000200		**0.00151**	0.0020	0	75.6	0.001444	4.60	10/20/2020
Indeno(1,2,3-cd)pyrene		0.000100		**0.00162**	0.0020	0	80.8	0.001553	4.01	10/20/2020
Naphthalene		0.000400		**0.00146**	0.0020	0	73.2	0.001285	12.99	10/20/2020
Phenanthrene		0.000600		**0.00142**	0.0020	0	70.8	0.001400	1.21	10/20/2020
Pyrene		0.000200		**0.00172**	0.0020	0	85.8	0.001617	5.96	10/20/2020
Surr: 2-Fluorobiphenyl	*			**0.000720**	0.0010		72.0			10/20/2020
Surr: Nitrobenzene-d5	*			**0.000782**	0.0010		78.2			10/20/2020
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		106.2			10/20/2020

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

Batch 170208 **SampType:** MBLK Units **µg/L**

SampID: MBLK-N201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/16/2020
Ethylbenzene	*	2.0		**ND**						10/16/2020
m,p-Xylenes	*	2.0		**ND**						10/16/2020
Naphthalene	*	5.0		**ND**						10/16/2020
o-Xylene	*	2.0		**ND**						10/16/2020
Toluene	*	2.0		**ND**						10/16/2020
Xylenes, Total	*	4.0		**ND**						10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**53.9**	50.00		107.9	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**51.2**	50.00		102.4	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**51.8**	50.00		103.6	80	120	10/16/2020
Surr: Toluene-d8	*			**48.3**	50.00		96.5	80	120	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170208 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-N201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.8**	50.00	0	103.6	52.39	1.11	10/16/2020
Ethylbenzene	*	2.0		**47.8**	50.00	0	95.5	48.72	2.01	10/16/2020
m,p-Xylenes	*	2.0		**95.6**	100.0	0	95.6	98.99	3.46	10/16/2020
Naphthalene	*	5.0		**48.2**	50.00	0	96.4	48.09	0.25	10/16/2020
o-Xylene	*	2.0		**48.1**	50.00	0	96.2	49.47	2.77	10/16/2020
Toluene	*	2.0		**47.5**	50.00	0	95.0	48.18	1.44	10/16/2020
Xylenes, Total	*	4.0		**144**	150.0	0	95.8	148.5	3.23	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**52.0**	50.00		104.0			10/16/2020
Surr: 4-Bromofluorobenzene	*			**49.3**	50.00		98.6			10/16/2020
Surr: Dibromofluoromethane	*			**52.2**	50.00		104.3			10/16/2020
Surr: Toluene-d8	*			**47.3**	50.00		94.6			10/16/2020

Batch 170208 **SampType:** LCS Units **µg/L**

SampID: LCS-N201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.4**	50.00	0	104.8	78.5	119	10/16/2020
Ethylbenzene	*	2.0		**48.7**	50.00	0	97.4	78.2	114	10/16/2020
m,p-Xylenes	*	2.0		**99.0**	100.0	0	99.0	77.2	116	10/16/2020
Naphthalene	*	5.0		**48.1**	50.00	0	96.2	75.6	121	10/16/2020
o-Xylene	*	2.0		**49.5**	50.00	0	98.9	79.2	112	10/16/2020
Toluene	*	2.0		**48.2**	50.00	0	96.4	78.6	112	10/16/2020
Xylenes, Total	*	4.0		**148**	150.0	0	99.0	78.3	114	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**51.6**	50.00		103.1	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**49.6**	50.00		99.3	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**51.9**	50.00		103.8	80	120	10/16/2020
Surr: Toluene-d8	*			**46.9**	50.00		93.8	80	120	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170208 **SampType:** MS Units µg/L

SampID: 20100994-026DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**53.2**	50.00	0	106.4	72	120	10/16/2020
Ethylbenzene		2.0		**50.5**	50.00	0	100.9	74.8	115	10/16/2020
Toluene		2.0		**48.2**	50.00	0	96.3	70.6	109	10/16/2020
Xylenes, Total		4.0		**99.0**	100.0	0	99.0	72.1	113	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**53.8**	50.00		107.5	80.9	113	10/16/2020
Surr: 4-Bromofluorobenzene	*			**50.4**	50.00		100.8	88.3	109	10/16/2020
Surr: Dibromofluoromethane	*			**51.5**	50.00		103.0	87.4	111	10/16/2020
Surr: Toluene-d8	*			**48.4**	50.00		96.7	86.1	110	10/16/2020

Batch 170208 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 20100994-026DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**54.7**	50.00	0	109.4	53.21	2.76	10/16/2020
Ethylbenzene		2.0		**52.1**	50.00	0	104.1	50.46	3.12	10/16/2020
Toluene		2.0		**48.6**	50.00	0	97.1	48.17	0.79	10/16/2020
Xylenes, Total		4.0		**99.7**	100.0	0	99.7	98.95	0.74	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**54.8**	50.00		109.6			10/16/2020
Surr: 4-Bromofluorobenzene	*			**50.5**	50.00		101.0			10/16/2020
Surr: Dibromofluoromethane	*			**52.1**	50.00		104.2			10/16/2020
Surr: Toluene-d8	*			**47.9**	50.00		95.8			10/16/2020

Batch 170209 **SampType:** MBLK Units µg/L

SampID: MBLK-T201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/16/2020
Ethylbenzene	*	2.0		**ND**						10/16/2020
m,p-Xylenes	*	2.0		**ND**						10/16/2020
Naphthalene	*	5.0		**ND**						10/16/2020
o-Xylene	*	2.0		**ND**						10/16/2020
Toluene	*	2.0		**ND**						10/16/2020
Xylenes, Total	*	4.0		**ND**						10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**50.1**	50.00		100.2	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**46.5**	50.00		92.9	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**53.4**	50.00		106.8	80	120	10/16/2020
Surr: Toluene-d8	*			**46.8**	50.00		93.7	80	120	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170209 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-T201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**47.6**	50.00	0	95.1	48.78	2.51	10/16/2020
Ethylbenzene	*	2.0		**46.6**	50.00	0	93.2	49.92	6.92	10/16/2020
m,p-Xylenes	*	2.0		**97.6**	100.0	0	97.6	102.6	5.00	10/16/2020
Naphthalene	*	5.0		**49.5**	50.00	0	99.0	49.65	0.26	10/16/2020
o-Xylene	*	2.0		**47.3**	50.00	0	94.6	50.50	6.59	10/16/2020
Toluene	*	2.0		**44.8**	50.00	0	89.5	47.25	5.43	10/16/2020
Xylenes, Total	*	4.0		**145**	150.0	0	96.6	153.1	5.52	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.4			10/16/2020
Surr: 4-Bromofluorobenzene	*			**44.9**	50.00		89.8			10/16/2020
Surr: Dibromofluoromethane	*			**54.2**	50.00		108.3			10/16/2020
Surr: Toluene-d8	*			**47.1**	50.00		94.3			10/16/2020

Batch 170209 **SampType:** LCS Units **µg/L**

SampID: LCS-T201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**48.8**	50.00	0	97.6	78.5	119	10/16/2020
Ethylbenzene	*	2.0		**49.9**	50.00	0	99.8	78.2	114	10/16/2020
m,p-Xylenes	*	2.0		**103**	100.0	0	102.6	77.2	116	10/16/2020
Naphthalene	*	5.0		**49.6**	50.00	0	99.3	75.6	121	10/16/2020
o-Xylene	*	2.0		**50.5**	50.00	0	101.0	79.2	112	10/16/2020
Toluene	*	2.0		**47.2**	50.00	0	94.5	78.6	112	10/16/2020
Xylenes, Total	*	4.0		**153**	150.0	0	102.1	78.3	114	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**49.1**	50.00		98.2	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**45.4**	50.00		90.9	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**53.1**	50.00		106.3	80	120	10/16/2020
Surr: Toluene-d8	*			**47.2**	50.00		94.4	80	120	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170210 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/16/2020
Ethylbenzene	*	2.0		**ND**						10/16/2020
m,p-Xylenes	*	2.0		**ND**						10/16/2020
Naphthalene	*	5.0		**ND**						10/16/2020
o-Xylene	*	2.0		**ND**						10/16/2020
Toluene	*	2.0		**ND**						10/16/2020
Xylenes, Total	*	4.0		**ND**						10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**46.7**	50.00		93.3	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**47.8**	50.00		95.6	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**48.8**	50.00		97.6	80	120	10/16/2020
Surr: Toluene-d8	*			**47.2**	50.00		94.4	80	120	10/16/2020

Batch 170210 **SampType:** LCS Units **µg/L**

SampID: LCS-AE201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**49.3**	50.00	0	98.6	78.5	119	10/16/2020
Ethylbenzene	*	2.0		**45.9**	50.00	0	91.7	78.2	114	10/16/2020
m,p-Xylenes	*	2.0		**92.8**	100.0	0	92.8	77.2	116	10/16/2020
Naphthalene	*	5.0		**46.1**	50.00	0	92.2	75.6	121	10/16/2020
o-Xylene	*	2.0		**46.4**	50.00	0	92.8	79.2	112	10/16/2020
Toluene	*	2.0		**45.5**	50.00	0	90.9	78.6	112	10/16/2020
Xylenes, Total	*	4.0		**139**	150.0	0	92.8	78.3	114	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**45.8**	50.00		91.5	80	120	10/16/2020
Surr: 4-Bromofluorobenzene	*			**48.6**	50.00		97.2	80	120	10/16/2020
Surr: Dibromofluoromethane	*			**49.6**	50.00		99.1	80	120	10/16/2020
Surr: Toluene-d8	*			**47.1**	50.00		94.2	80	120	10/16/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170210 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-AE201016A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**48.3**	50.00	0	96.6	49.32	2.11	10/16/2020
Ethylbenzene	*	2.0		**45.0**	50.00	0	89.9	45.86	2.00	10/16/2020
m,p-Xylenes	*	2.0		**90.7**	100.0	0	90.7	92.81	2.34	10/16/2020
Naphthalene	*	5.0		**46.4**	50.00	0	92.8	46.09	0.65	10/16/2020
o-Xylene	*	2.0		**45.4**	50.00	0	90.7	46.39	2.27	10/16/2020
Toluene	*	2.0		**44.5**	50.00	0	89.0	45.47	2.13	10/16/2020
Xylenes, Total	*	4.0		**136**	150.0	0	90.7	139.2	2.32	10/16/2020
Surr: 1,2-Dichloroethane-d4	*			**45.7**	50.00		91.4			10/16/2020
Surr: 4-Bromofluorobenzene	*			**48.5**	50.00		97.0			10/16/2020
Surr: Dibromofluoromethane	*			**49.2**	50.00		98.4			10/16/2020
Surr: Toluene-d8	*			**47.0**	50.00		94.0			10/16/2020

Batch 170268 **SampType:** MBLK Units **µg/L**

SampID: MBLK-N201019A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/19/2020
Ethylbenzene	*	2.0		**ND**						10/19/2020
m,p-Xylenes	*	2.0		**ND**						10/19/2020
Naphthalene	*	5.0		**ND**						10/19/2020
o-Xylene	*	2.0		**ND**						10/19/2020
Toluene	*	2.0		**ND**						10/19/2020
Xylenes, Total	*	4.0		**ND**						10/19/2020
Surr: 1,2-Dichloroethane-d4	*			**53.9**	50.00		107.8	80	120	10/19/2020
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.8	80	120	10/19/2020
Surr: Dibromofluoromethane	*			**51.4**	50.00		102.9	80	120	10/19/2020
Surr: Toluene-d8	*			**47.6**	50.00		95.3	80	120	10/19/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170268 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-N201019A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**50.9**	50.00	0	101.8	52.49	3.08	10/19/2020
Ethylbenzene	*	2.0		**47.3**	50.00	0	94.7	48.65	2.73	10/19/2020
m,p-Xylenes	*	2.0		**95.1**	100.0	0	95.1	96.94	1.92	10/19/2020
Naphthalene	*	5.0		**45.8**	50.00	0	91.5	45.81	0.13	10/19/2020
o-Xylene	*	2.0		**48.3**	50.00	0	96.7	48.71	0.76	10/19/2020
Toluene	*	2.0		**46.1**	50.00	0	92.1	47.67	3.44	10/19/2020
Xylenes, Total	*	4.0		**143**	150.0	0	95.6	145.6	1.53	10/19/2020
Surr: 1,2-Dichloroethane-d4	*			**52.4**	50.00		104.8			10/19/2020
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.0			10/19/2020
Surr: Dibromofluoromethane	*			**52.4**	50.00		104.8			10/19/2020
Surr: Toluene-d8	*			**47.7**	50.00		95.4			10/19/2020

Batch 170268 **SampType:** LCS Units **µg/L**

SampID: LCS-N201019A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.5**	50.00	0	105.0	78.5	119	10/19/2020
Ethylbenzene	*	2.0		**48.6**	50.00	0	97.3	78.2	114	10/19/2020
m,p-Xylenes	*	2.0		**96.9**	100.0	0	96.9	77.2	116	10/19/2020
Naphthalene	*	5.0		**45.8**	50.00	0	91.6	75.6	121	10/19/2020
o-Xylene	*	2.0		**48.7**	50.00	0	97.4	79.2	112	10/19/2020
Toluene	*	2.0		**47.7**	50.00	0	95.3	78.6	112	10/19/2020
Xylenes, Total	*	4.0		**146**	150.0	0	97.1	78.3	114	10/19/2020
Surr: 1,2-Dichloroethane-d4	*			**52.0**	50.00		104.1	80	120	10/19/2020
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	10/19/2020
Surr: Dibromofluoromethane	*			**52.2**	50.00		104.3	80	120	10/19/2020
Surr: Toluene-d8	*			**47.4**	50.00		94.8	80	120	10/19/2020

Batch 170268 **SampType:** LCSGD Units **%REC** RPD Limit **0**

SampID: LCSGD-N201019A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**52.7**	50.00		105.4			10/19/2020
Surr: 4-Bromofluorobenzene	*			**49.8**	50.00		99.5			10/19/2020
Surr: Dibromofluoromethane	*			**50.9**	50.00		101.9			10/19/2020
Surr: Toluene-d8	*			**48.3**	50.00		96.6			10/19/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170268 **SampType:** LCSG Units **%REC**

SampID: LCSG-N201019A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Surr: 1,2-Dichloroethane-d4	*			**51.4**	50.00		102.9	80	120	10/19/2020
Surr: 4-Bromofluorobenzene	*			**50.5**	50.00		101.0	80	120	10/19/2020
Surr: Dibromofluoromethane	*			**50.9**	50.00		101.8	80	120	10/19/2020
Surr: Toluene-d8	*			**48.8**	50.00		97.6	80	120	10/19/2020

Batch 170298 **SampType:** MBLK Units **µg/L**

SampID: MBLK-T201020A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/20/2020
Ethylbenzene	*	2.0		**ND**						10/20/2020
m,p-Xylenes	*	2.0		**ND**						10/20/2020
Naphthalene	*	5.0		**ND**						10/20/2020
o-Xylene	*	2.0		**ND**						10/20/2020
Toluene	*	2.0		**ND**						10/20/2020
Xylenes, Total	*	4.0		**ND**						10/20/2020
Surr: 1,2-Dichloroethane-d4	*			**51.6**	50.00		103.2	80	120	10/20/2020
Surr: 4-Bromofluorobenzene	*			**45.4**	50.00		90.8	80	120	10/20/2020
Surr: Dibromofluoromethane	*			**55.1**	50.00		110.2	80	120	10/20/2020
Surr: Toluene-d8	*			**47.2**	50.00		94.5	80	120	10/20/2020

Batch 170298 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-T201020A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.2**	50.00	0	102.3	52.75	3.04	10/20/2020
Ethylbenzene	*	2.0		**50.8**	50.00	0	101.7	52.19	2.62	10/20/2020
m,p-Xylenes	*	2.0		**104**	100.0	0	104.1	107.2	2.93	10/20/2020
Naphthalene	*	5.0	B	**52.8**	50.00	0	105.5	54.21	2.73	10/20/2020
o-Xylene	*	2.0		**51.5**	50.00	0	103.1	52.28	1.43	10/20/2020
Toluene	*	2.0		**47.5**	50.00	0	95.1	49.32	3.70	10/20/2020
Xylenes, Total	*	4.0		**156**	150.0	0	103.8	159.5	2.44	10/20/2020
Surr: 1,2-Dichloroethane-d4	*			**50.5**	50.00		100.9			10/20/2020
Surr: 4-Bromofluorobenzene	*			**42.8**	50.00		85.6			10/20/2020
Surr: Dibromofluoromethane	*			**54.8**	50.00		109.5			10/20/2020
Surr: Toluene-d8	*			**46.0**	50.00		92.1			10/20/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170298 **SampType:** LCS Units **µg/L**

SampID: LCS-T201020A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**52.8**	50.00	0	105.5	78.5	119	10/20/2020
Ethylbenzene	*	2.0		**52.2**	50.00	0	104.4	78.2	114	10/20/2020
m,p-Xylenes	*	2.0		**107**	100.0	0	107.2	77.2	116	10/20/2020
Naphthalene	*	5.0	B	**54.2**	50.00	0	108.4	75.6	121	10/20/2020
o-Xylene	*	2.0		**52.3**	50.00	0	104.6	79.2	112	10/20/2020
Toluene	*	2.0		**49.3**	50.00	0	98.6	78.6	112	10/20/2020
Xylenes, Total	*	4.0		**160**	150.0	0	106.3	78.3	114	10/20/2020
Surr: 1,2-Dichloroethane-d4	*			**51.0**	50.00		102.0	80	120	10/20/2020
Surr: 4-Bromofluorobenzene	*			**44.8**	50.00		89.5	80	120	10/20/2020
Surr: Dibromofluoromethane	*			**54.6**	50.00		109.1	80	120	10/20/2020
Surr: Toluene-d8	*			**46.8**	50.00		93.6	80	120	10/20/2020

Batch 170374 **SampType:** MBLK Units **µg/L**

SampID: MBLK-T201021A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						10/21/2020
Ethylbenzene	*	2.0		**ND**						10/21/2020
m,p-Xylenes	*	2.0		**ND**						10/21/2020
Naphthalene	*	5.0	B	**ND**						10/21/2020
o-Xylene	*	2.0		**ND**						10/21/2020
Toluene	*	2.0		**ND**						10/21/2020
Xylenes, Total	*	4.0		**ND**						10/21/2020
Surr: 1,2-Dichloroethane-d4	*			**49.0**	50.00		98.1	80	120	10/21/2020
Surr: 4-Bromofluorobenzene	*			**45.7**	50.00		91.4	80	120	10/21/2020
Surr: Dibromofluoromethane	*			**51.9**	50.00		103.9	80	120	10/21/2020
Surr: Toluene-d8	*			**49.2**	50.00		98.3	80	120	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170374 **SampType:** LCSD Units **µg/L** RPD Limit **15.9**

SampID: LCSD-T201021A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**48.1**	50.00	0	96.1	48.66	1.24	10/21/2020
Ethylbenzene	*	2.0		**53.2**	50.00	0	106.5	52.18	1.99	10/21/2020
m,p-Xylenes	*	2.0		**108**	100.0	0	108.3	105.6	2.57	10/21/2020
Naphthalene	*	5.0	B	**55.2**	50.00	0	110.4	58.52	5.88	10/21/2020
o-Xylene	*	2.0		**53.3**	50.00	0	106.6	52.96	0.62	10/21/2020
Toluene	*	2.0		**50.5**	50.00	0	101.0	48.98	3.06	10/21/2020
Xylenes, Total	*	4.0		**162**	150.0	0	107.7	158.5	1.92	10/21/2020
Surr: 1,2-Dichloroethane-d4	*			**49.8**	50.00		99.5			10/21/2020
Surr: 4-Bromofluorobenzene	*			**45.1**	50.00		90.1			10/21/2020
Surr: Dibromofluoromethane	*			**51.8**	50.00		103.6			10/21/2020
Surr: Toluene-d8	*			**49.6**	50.00		99.2			10/21/2020

Batch 170374 **SampType:** LCS Units **µg/L**

SampID: LCS-T201021A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**48.7**	50.00	0	97.3	78.5	119	10/21/2020
Ethylbenzene	*	2.0		**52.2**	50.00	0	104.4	78.2	114	10/21/2020
m,p-Xylenes	*	2.0		**106**	100.0	0	105.6	77.2	116	10/21/2020
Naphthalene	*	5.0	B	**58.5**	50.00	0	117.0	75.6	121	10/21/2020
o-Xylene	*	2.0		**53.0**	50.00	0	105.9	79.2	112	10/21/2020
Toluene	*	2.0		**49.0**	50.00	0	98.0	78.6	112	10/21/2020
Xylenes, Total	*	4.0		**159**	150.0	0	105.7	78.3	114	10/21/2020
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.4	80	120	10/21/2020
Surr: 4-Bromofluorobenzene	*			**45.9**	50.00		91.7	80	120	10/21/2020
Surr: Dibromofluoromethane	*			**53.4**	50.00		106.9	80	120	10/21/2020
Surr: Toluene-d8	*			**49.2**	50.00		98.4	80	120	10/21/2020

Client: ERM **Work Order:** 20100994

Client Project: Champaign GW **Report Date:** 22-Oct-2020

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

Batch 170374 **SampType:** MS Units **µg/L**

SampID: 20100994-027DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**52.7**	50.00	0	105.5	72	120	10/21/2020
Ethylbenzene		2.0	S	**60.3**	50.00	0	120.7	74.8	115	10/21/2020
Toluene		2.0	S	**57.1**	50.00	0	114.2	70.6	109	10/21/2020
Xylenes, Total		4.0	S	**120**	100.0	0	119.7	72.1	113	10/21/2020
Surr: 1,2-Dichloroethane-d4	*			**48.2**	50.00		96.3	80.9	113	10/21/2020
Surr: 4-Bromofluorobenzene	*			**47.2**	50.00		94.5	88.3	109	10/21/2020
Surr: Dibromofluoromethane	*			**50.5**	50.00		100.9	87.4	111	10/21/2020
Surr: Toluene-d8	*			**50.3**	50.00		100.6	86.1	110	10/21/2020

Batch 170374 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 20100994-027DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**49.4**	50.00	0	98.7	52.73	6.62	10/21/2020
Ethylbenzene		2.0		**55.2**	50.00	0	110.3	60.33	8.95	10/21/2020
Toluene		2.0		**50.7**	50.00	0	101.5	57.10	11.80	10/21/2020
Xylenes, Total		4.0		**109**	100.0	0	108.5	119.7	9.78	10/21/2020
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.9			10/21/2020
Surr: 4-Bromofluorobenzene	*			**45.5**	50.00		91.0			10/21/2020
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.4			10/21/2020
Surr: Toluene-d8	*			**50.5**	50.00		101.0			10/21/2020

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Work Order: 20100994
Client Project: Champaign GW
Report Date: 22-Oct-2020

Carrier: Michael Abegg
Received By: AMD

Completed by: Amanda R. Ham
On: 15-Oct-2020

Reviewed by: Elizabeth A. Hurley
On: 15-Oct-2020

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 4.2
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.

Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☑	NA ☐

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

Additional sodium hydroxide (74593) was needed in 102, 105, 106R, 108, 109, 111A, 116, 117, 118, 121, 122, 300, 301R, 302, 304, 304R, 306, 307, 308 and DUP 003 upon arrival at the laboratory. - AMD/aham - 10/15/2020 1:51:39 PM

pH strip #74263. - AMD/aham - 10/15/2020 1:52:09 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 10/15/2020 3:09:03 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 20106994

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: Greg Moore Phone: (314) 238-6162
E-Mail: greg.moore@erm.com Fax:

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 4.2 °C LTG# 4
Preserved in: [X] LAB [ ] FIELD **FOR LAB USE ONLY**
Lab Notes: Added NaOH (74593) to all except ✱.048 Om 10/15/20

Client Comments
Pb limit 0.0075 mg/L
pH strip #71263

Are these samples known to be involved in litigation? If yes, a surcharge will apply [ ] Yes [X] No
Are these samples known to be hazardous? [ ] Yes [X] No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. [X] Yes [ ] No

Project Name/Number: Champaign GW
Sample Collector's Name: J. Schmidt / M. Abegg

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

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20100994-001	UMW-102-WG-20201012	10/12/20, 1440	1	1	1	2		X		X	X	X	X
002	UMW-105-WG-20201014	10/14/20, 1000	1	1	1	2		X		X	X	X	X
003	UMW-106R-WG-20201013	10/13/20, 1445	1	1	1	2		X		X	X	X	X
✱ 004	UMW-107R-WG-20201013	10/13/20, 1220	1	1	1	2		X		X	X	X	X
005	UMW-108-WG-20201013	10/13/20, 1120	1	1	1	2		X		X	X	X	X
006	UMW-109-WG-20201013	10/13/20, 0910	1	1	1	2		X		X	X	X	X
007	UMW-111A-WG-20201013	10/13/20, 1000	1	1	1	2		X		X	X	X	X
008	UMW-116-WG-20201013	10/13/20, 1150	1	1	1	2		X		X	X	X	X
009	UMW-117-WG-20201013	10/13/20, 1245	1	1	1	2		X		X	X	X	X
010	UMW-118-WG-20201013	10/[illegible]/20, 1030	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	10/15/20 ~~1145~~ 1203	[signature]	10/15/20 1205

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: 60906

Om 10/15/20

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 20100994

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:	Greg Moore	**Phone:**	(314) 238-6162
E-Mail:	greg.moore@erm.com	**Fax:**	

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Pb limit 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	

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
20100994-011	UMW-119-WG-202010[12]	10/12/20, 1630	1	1	1	2		X		X	X	X	X
012	UMW-120-WG-202010[12]	10/12/20, 1555	1	1	1	2		X		X	X	X	X
013	UMW-121-WG-202010[14]	10/14/20, 1100	1	1	1	2		X		X	X	X	X
014	UMW-122-WG-202010[13]	10/13/20, 1645	1	1	1	2		X		X	X	X	X
015	UMW-123-WG-202010[13]	10/13/2020, 1515	1	1	1	2		X		X	X	X	X
016	UMW-124-WG-202010[14]	10/14/20, 1230	1	1	1	2		X		X	X	X	X
017	UMW-125-WG-202010[14]	10/14/20, 1330	1	1	1	2		X		X	X	X	X
018	UMW-126-WG-202010[14]	10/14/20, 0850	1	1	1	2		X		X	X	X	X
019	UMW-127-WG-202010[14]	10/14/20, 1145	1	1	1	2		X		X	X	X	X
020	UMW-300-WG-202010[13]	10/13/20, 0845	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (FedEx)	10/15/20 1205	[signature]	10/15/20 1205

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: 60906

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 20100994

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:	Greg Moore
Phone:	(314) 238-6162
E-Mail:	greg.moore@erm.com
Fax:	

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Pb limit 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	J. Schmidt / M. Abegg

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20100994-021	UMW-301R-WG-20201014	10/14/20, 1010	1	1	1	2		X		X	X	X	X
022	UMW-302-WG-20201014	10/14/20, 1200	1	1	1	2		X		X	X	X	X
023	UMW-303-WG-20201013	10/13/20, 1345	1	1	1	2		X		X	X	X	X
024	UMW-304R-WG-20201014	10/14/20, 1400	1	1	1	2		X		X	X	X	X
025	UMW-305-WG-20201014	10/14/20, 0815	1	1	1	2		X		X	X	X	X
026	UMW-306-WG-20201013	10/13/20, 1800	3	2	2	6		X		X	X	X	X
027	UMW-307-WG-20201013	10/13/20, 1610	3	2	2	6		X		X	X	X	X
028	UMW-308-WG-20201014	10/14/20, 1345	1	1	1	2		X		X	X	X	X
029	DUP 001-WG-20201014	10/14/20	1	1	1	2		X		X	X	X	X
030	DUP 002-WG-20201014	10/14/20	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	10/16/20 1505	[signature]	10/15/20 1205

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: 60906

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 20100994

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:	Greg Moore
Phone:	(314) 238-6162
E-Mail:	greg.moore@erm.com
Fax:	

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

Pb limit 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	J. Schmidt / M. Abegg

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl					MATRIX: Aqueous	Groundwater	Trip Blank				INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20100994-031	DUP 003-WG-202010[14]	10/14/20,	1	1	1	2						X					X	X	X	X
* 032	EB-01-WQ-202010[14]	10/14/20, 0830	1	1	1	2					X						X	X	X	X
033	TB-01-WQ-202010[2]	10/12/20				2							X				X			
* 034	EB-02-WQ-202010[14]	10/14/20, 0840	1	1	1	2					X						X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature]	10/15/20 1105	[signature]	10/15/20 1205

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: 60906

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	12 November 2020
Reference	0543705
Subject	Data Review of Ameren Champaign Groundwater Samples Fourth Quarter 2020: Teklab, Inc. Data Package 20100994.

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

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

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

Stage 4 data review for 20 percent of the samples (6 samples: UMW-118-WG-20201013, UMW-124-WG-20201014, UMW-127-WG-20201014, UMW-302-WG-20201014, DUP 001-WG-20201014, and DUP 003-WG-20201014) was performed. The Stage 4 review included all of the QA/QC project and/or method-prescribed criteria for Stage 2B review plus:

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

CHAIN-OF-CUSTODY DISCREPANCIES

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

HOLDING TIME AND PRESERVATION EVALUATION

The sample shipment was received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C. The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The samples had the correct chemical preservation, with the exception of 20 of the 33 samples for cyanide analysis. In these cases, the pH was less than 12 and the laboratory adjusted the pH with additional sodium hydroxide upon receipt. No qualifications were added to the cyanide results since the samples were preserved properly upon receipt. The samples received with inadequate preservation are presented in Table 1.

BLANK EVALUATION

Naphthalene was detected in equipment blank sample EB-01-WQ-20201014 at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. Additionally, iron was detected in a method blank sample; however, no qualifications were required as iron was not reported in the project samples. The blank detections and associated data are presented in Table 2.

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

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and initial/continuing calibration verification (ICV/CCV). For linear ICALs, the correlation coefficient (r^2) was within control limits and for average response factor ICALs, the relative standard deviations (RSDs)

were within the control limits. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The laboratory calculated the percent deviation (%D) between CCV/ICV and the ICAL. The laboratory calculated the CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The ICAL and ICV/CCV results were within acceptable limits for the reported sample results.

BLANK SPIKE EVALUATION

The laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and relative percent differences (RPDs) were within the laboratory's limits of acceptance, with the exceptions presented in Table 3. No data were qualified as the outliers could be verified by another in-control recovery.

MATRIX SPIKE EVALUATION

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries and RPDs were within the laboratory's limits of acceptance for project samples, with three exceptions. Ethylbenzene, toluene, and total xylenes were recovered above the control limits in the MS samples prepared from UMW-307-WG-20201013. Teklab qualified these results with S flags for matrix spike recovery. No data were qualified as the outliers could be verified by another in-control recovery. The laboratory-applied S flags were 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.

CALIBRATION RANGE EXCEEDANCES

The cyanide results for several MS/MSD samples exceeded the instrument calibration range as noted in Table 4. Since the calibration range exceedances were limited to MS/MSD samples and parent samples were not affected, no qualifications were applied.

INTERNAL STANDARD EVALUATION

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

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 5. 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). All results for the three field duplicate sample pairs met the field duplicate criteria, indicating acceptable precision.

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
Fourth Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	ERM Qualifier
20100994	UMW-102-WG-20201012	9012A	pH < 12	pH ≥ 12	--
	UMW-105-WG-20201014				
	UMW-106R-WG-20201013				
	UMW-108-WG-20201013				
	UMW-109-WG-20201013				
	UMW-111A-WG-20201013				
	UMW-116-WG-20201013				
	UMW-117-WG-20201013				
	UMW-118-WG-20201013				
	UMW-121-WG-20201014				
	UMW-122-WG-20201013				
	UMW-300-WG-20201013				
	UMW-301R-WG-20201014				
	UMW-302-WG-20201014				
	UMW-303-WG-20201013				
	UMW-304R-WG-20201014				
	UMW-306-WG-20201013				
	UMW-307-WG-20201013				
	UMW-308-WG-20201014				
	DUP 003-WG-20201014				

Lab package reviewed: 20100994

Table 2
Blank and Associated Suspect Sample Detections
Fourth Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Blank ID	Detected Analyte	Reported Blank Concentration	Blank Report Limit	Associated Sample	Associated Sample Result	Associated Sample Report Limit	Units	ERM Qualifier
20100994	MBLK-170224	Iron	0.101	0.0400	None for qualification; analyte not reported in project samples	--	--	mg/L	--
	EB-01-WQ-20201014	Naphthalene	0.00273	0.000400	UMW-126-WG-20201014	0.000498	0.000400	mg/L	0.000498 U
					UMW-127-WG-20201014	0.00152	0.000400	mg/L	0.00152 U
					UMW-303-WG-20201013	0.00182	0.000400	mg/L	0.00182 U
					DUP 002-WG-20201014	0.000447	0.000400	mg/L	0.000447 U

Lab package reviewed: 20100994

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

Table 3
Spike Recoveries Outside of Acceptable Limits
Fourth Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
LCS/LCSD										
20100994	LCS-170187	None for qualification	Fluoranthene	105.4/89.8	70.2-101	16.03	40	--	--	--
	LCS-170249	None for qualification	2-Methylnaphthalene	55.5/68.4	56.7-96	20.83	40	--	--	--
MS/MSD										
20100994	UMW-307-WG-20201013 MS/MSD	None for qualification	Ethylbenzene	120.7/110.3	74.8-115	6.62	20	--	--	--
			Toluene	114.2/101.5	70.6-109	11.8	20	--	--	--
			Xylenes, Total	119.7/108.5	72.1-113	9.78	20	--	--	--

Lab package reviewed: 20100994

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

Table 4
Calibration Range Exceedances
Fourth Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Analyte	Reported Concentration	Units	ERM Qualifier
20100994	UMW-307-WG-20201013 MS	Cyanide	0.060	mg/L	--
	UMW-307-WG-20201013 MSD		0.061	mg/L	--
	UMW-109-WG-20201013 MS		0.057	mg/L	--
	UMW-109-WG-20201013 MSD		0.055	mg/L	--
	UMW-125-WG-20201014 MS		0.051	mg/L	--
	UMW-125-WG-20201014 MSD		0.053	mg/L	--

Lab package reviewed: 20100994

Notes:
mg/L = Milligrams per liter
MS = Matrix spike
MSD = Matrix spike duplicate

Table 5
Field Duplicate Results and Calculated Relative Percent Differences
Fourth Quarter 2020 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						
20100994	UMW-124-WG-20201014/ DUP 001-WG-20201014	Cyanide	0.013	0.012	0.005	0.005	0.00100	0.010	mg/L	--	--	--
		Barium	0.0364	0.0361	0.0025	0.0025	--	--	mg/L	0.83	30	--
		Acenaphthene	0.000579	0.000472	0.000100	0.000100	0.000107	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000344	0.000278	0.000100	0.000100	0.000066	0.000200	mg/L	--	--	--
		Fluorene	0.000244	ND	0.000200	0.000200	0.000244	0.000400	mg/L	--	--	--
		Naphthalene	0.0452	0.0389	0.0100	0.0100	0.0063	0.0200	mg/L	--	--	--
		Benzene	84.1	96.0	0.5	0.5	--	--	µg/L	13	30	--
		Ethylbenzene	10.9	12.0	2.0	2.0	--	--	µg/L	9.6	30	--
		Toluene	59.0	66.6	2.0	2.0	--	--	µg/L	12	30	--
		Xylene, Total	30.8	34.4	4.0	4.0	--	--	µg/L	11	30	--
	UMW-126-WG-202010014/ DUP 002-WG-20201014	Barium	0.0352	0.0350	0.0025	0.0025	--	--	mg/L	0.57	30	--
		Naphthalene	0.0000498 U	0.0000447 U	0.000400	0.000400	--	--	mg/L	--	--	--
		Benzene	18.6	19.7	0.5	0.5	--	--	µg/L	5.7	30	--

Table 5
Field Duplicate Results and Calculated Relative Percent Differences
Fourth Quarter 2020 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						
20100994	UMW-302-WG-20201014/ DUP 003-WG-20201014	Cyanide	0.105	0.115	0.025	0.025	0.010	0.050	mg/L	--	--	--
		Barium	0.0561	0.0567	0.0025	0.0025	--	--	mg/L	1.1	30	--
		Acenaphthene	0.000444	0.000481	0.000100	0.000100	0.0000370	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000381	0.000404	0.000100	0.000100	0.0000230	0.000200	mg/L	--	--	--
		Naphthalene	1.68	1.84	0.400	0.400	0.160	0.800	mg/L	--	--	--
		Benzene	306	290	5.0	5.0	--	--	µg/L	5.4	30	--
		Ethylbenzene	751	780	20.0	20.0	--	--	µg/L	3.8	30	--
		Toluene	4.6	4.5	2.0	2.0	0.10	4.0	µg/L	--	--	--
		Xylene, Total	207	214	4.0	4.0	--	--	µg/L	3.3	30	--

Lab package reviewed: 20100994

Notes:
mg/L = Milligrams per liter
ND = Not detected
RPD = Relative percent difference
U = Nondetected
µg/L = Micrograms per liter

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Indonesia	Spain
Ireland	Sweden
Italy	Taiwan
Japan	Thailand
Kazakhstan	The Netherlands
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