November 9, 2020

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 3, 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 third quarter of 2020, which was performed in July 2020. This report discusses the analytical results of the quarterly groundwater monitoring event. An additional groundwater monitoring event is scheduled to be performed in the fourth quarter of 2020.

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
T 314.554.2108
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E DPalmer2@ameren.com

Attachment 1

Attachment 1

Groundwater Monitoring Summary – Quarter 3 2020 – Champaign MGP

ERM

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October 26, 2020

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
Third 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 third 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 July 2020.

INTRODUCTION

Groundwater sampling activities for the third quarter 2020 monitoring event were conducted from July 6 through 8. 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 July 6, prior to initiation of sampling activities. 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 third 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 third quarter 2020 groundwater sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the July groundwater sampling event. This purge water was staged onsite for removal during upcoming site activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured depths to groundwater and the calculated water level elevations at the Champaign Site for the July 2020 sampling event are shown on Table 1. The depth to groundwater in the shallow monitoring wells ranged from 2.35 to 8.47 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.35 to 4.35 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 July 2020 were calculated to be 0.025 (UMW-124 to UMW-105), 0.014 (UMW-124 to UMW-116), and 0.015 (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.

The depths to groundwater in the nine monitoring wells that monitor the intermediate groundwater unit, ranged from 25.55 to 28.24 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 0.0013 ft/ft across the Site from UMW-300 to UMW-308.

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples collected during the July 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. Three of the 28 monitoring wells sampled in the third 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 July sampling event exceeded their respective RO included shallow monitoring wells UMW-124 and UMW-126, and intermediate well UMW-302. Benzene concentrations of 0.129 mg/L and 0.152 mg/L were reported in shallow on-site monitoring wells UMW-124 and UMW-126, respectively, which exceed the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents measured in the other seventeen 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 0.192 and 1.84 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 third 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-124-WG-20200708, UMW-126-WG-20200708, UMW-127-WG-20200708 UMW-302-WG-20200708, DUP-001-WG-20200708, and DUP 002-WG-20200708). 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 third quarter 2020 groundwater sampling event did not require modification, other than addition of qualifiers. Naphthalene was detected in equipment blank sample, EB-01-WQ-20200707, at a concentration above the reporting limit. An evaluation of equipment blank detections will be discussed in the year-end report for the fourth quarter of 2020. 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 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

Based on the data collected during the July sampling event, on-site monitoring wells UMW-124 and UMW-126 were the only shallow monitoring wells where constituent concentrations were detected in samples that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in these samples 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.

The next quarterly groundwater sampling event was completed in October 2020. 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
Figure 4 Graphs of Concentration versus Time for Selected Monitoring Well Locations

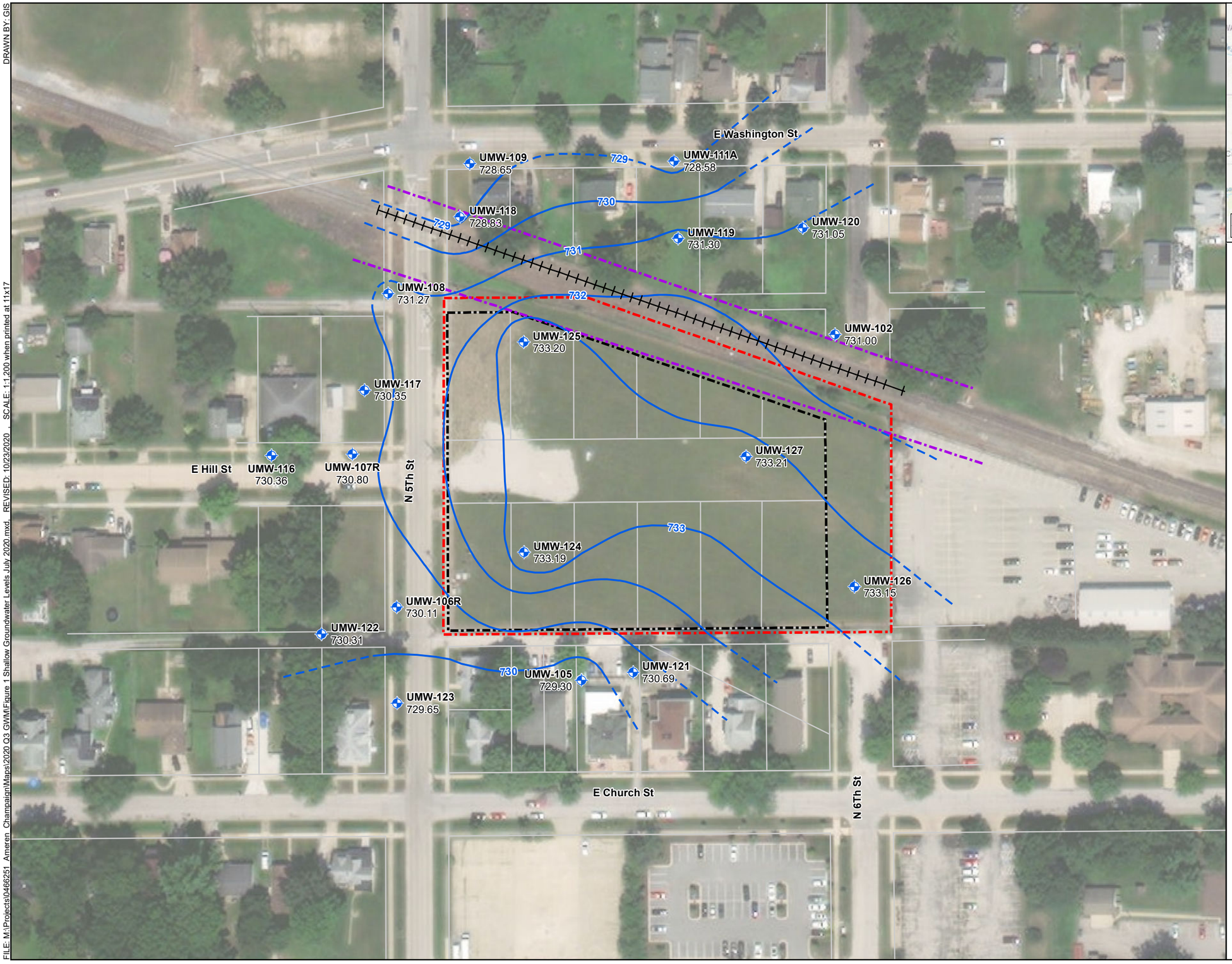
Table 1 Groundwater Elevation Data
Table 2 Summary of Analytical Results
Table 3 Analytical Result by Parameter

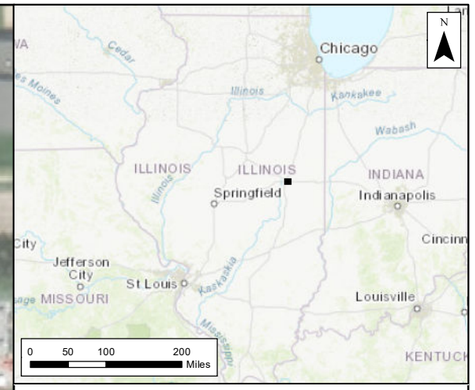
Attachment 1 Laboratory Analytical Report and Data Validation Summary

Figures

DRAWN BY: GIS

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2020 Q3 GWM\Figure 1 Shallow Groundwater Levels July 2020.mxd, REVISED: 10/23/2020 , SCALE: 1:1,200 when printed at 11x17





Legend

- Shallow Monitoring Well with July 6 2020 Groundwater Elevation
- July 6 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

0 100 200
Feet

Figure 1
Shallow Groundwater Elevation Contours
July 6 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

E Washington St

E Washington St

UMW-300
710.65

N 6Th St

Norfolk Southern Property

UMW-303
710.91

UMW-304R
710.18

UMW-301R
710.09

E Hill St

N 5Th St

UMW-308
709.99

UMW-302
709.97

UMW-305
709.92

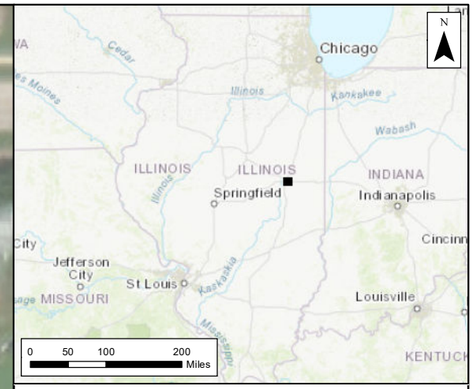
N 6Th St

E Church St

UMW-307
709.71

UMW-306
709.80

710.9
710.8
710.7
710.6
710.5
710.4
710.3
710.2
710.1
710.1
709.9
709.8



Legend

- Intermediate Monitoring Well with July 6 2020 Groundwater Elevation
- July 6 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
July 6 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
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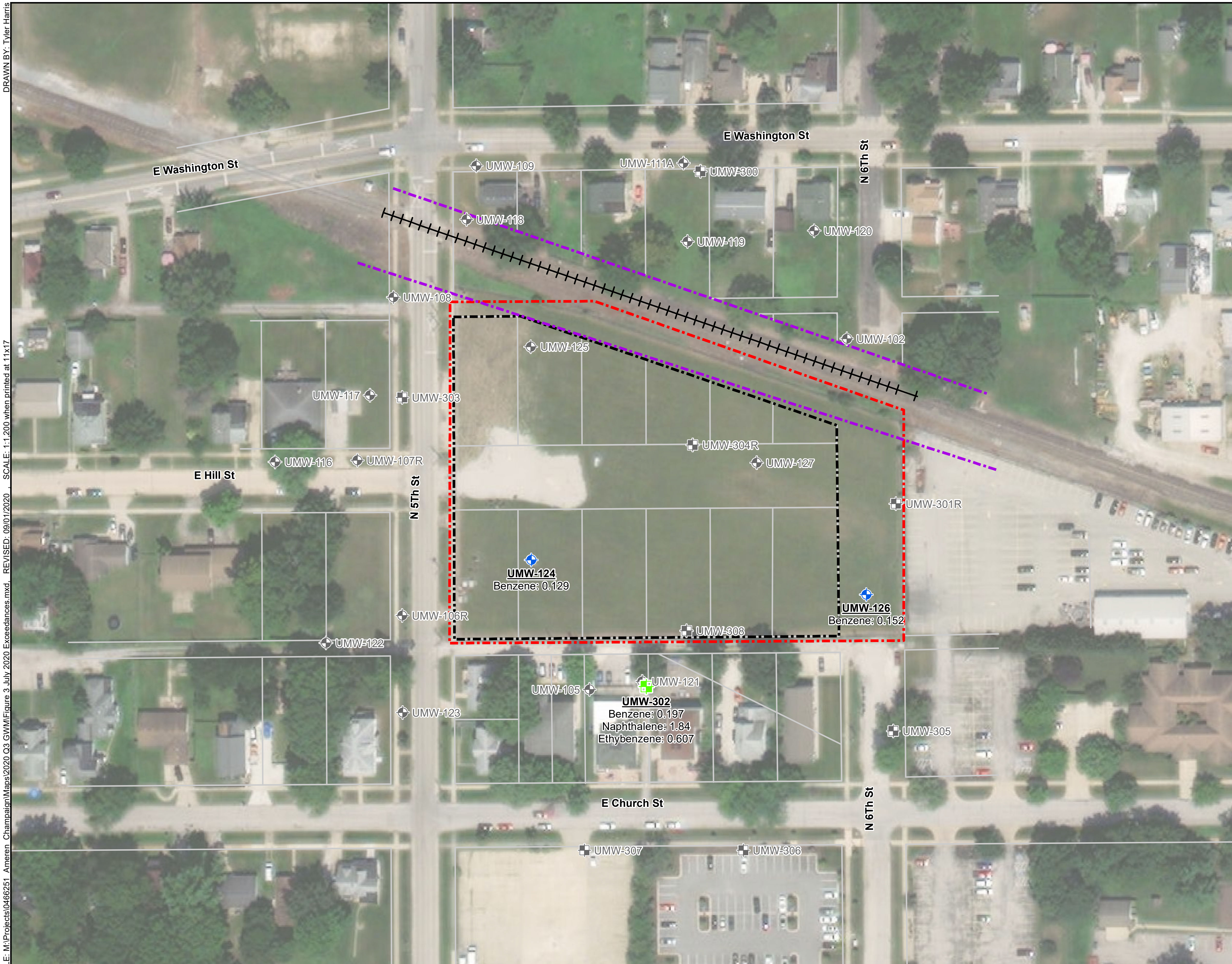

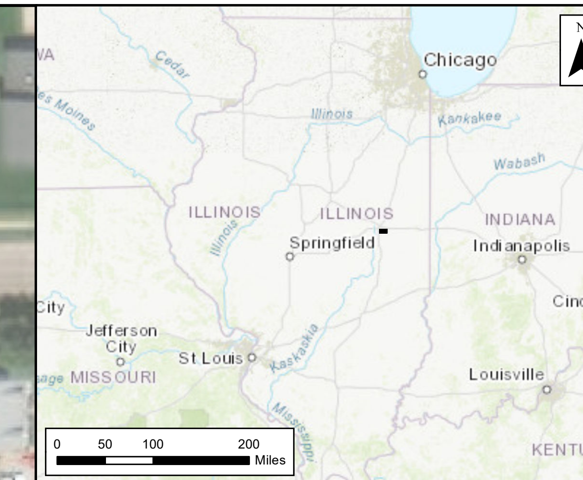

Legend

- Intermediate Monitoring Well with Exceedance
- Shallow Monitoring Well with Exceedance
- Intermediate Monitoring Well with No Exceedences
- Shallow Monitoring Well with No Exceedences
- 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
July 6-8 2020
Ameren Services
Champaign, Illinois

Environmental Resources Management
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ERM

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2020 Q3 GWM\Figure 3 July 2020 Exceedances.mxd. REVISED: 09/01/2020 SCALE: 1:1,200 when printed at 11x17 DRAWN BY: Tyler Harris

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

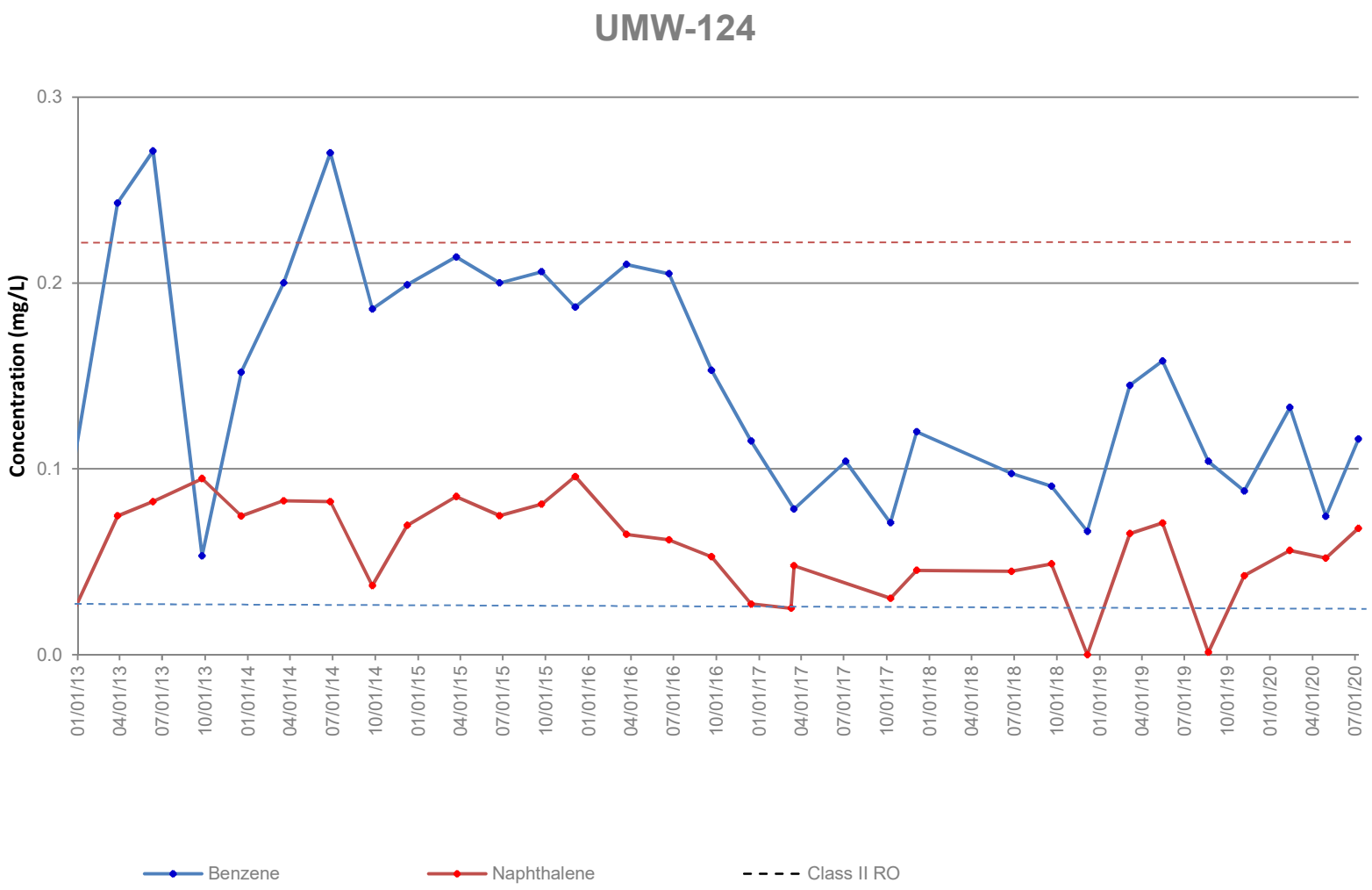


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

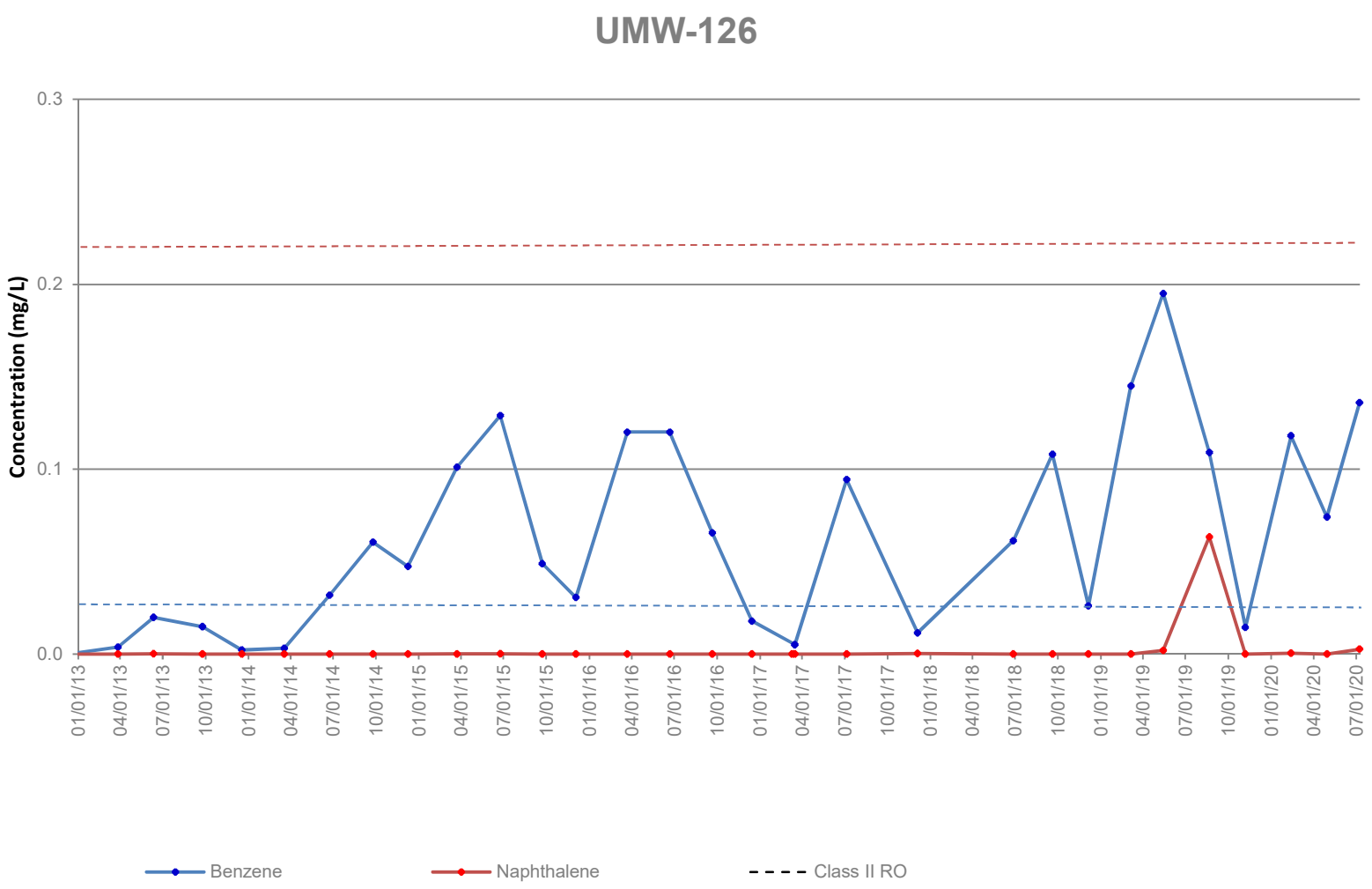
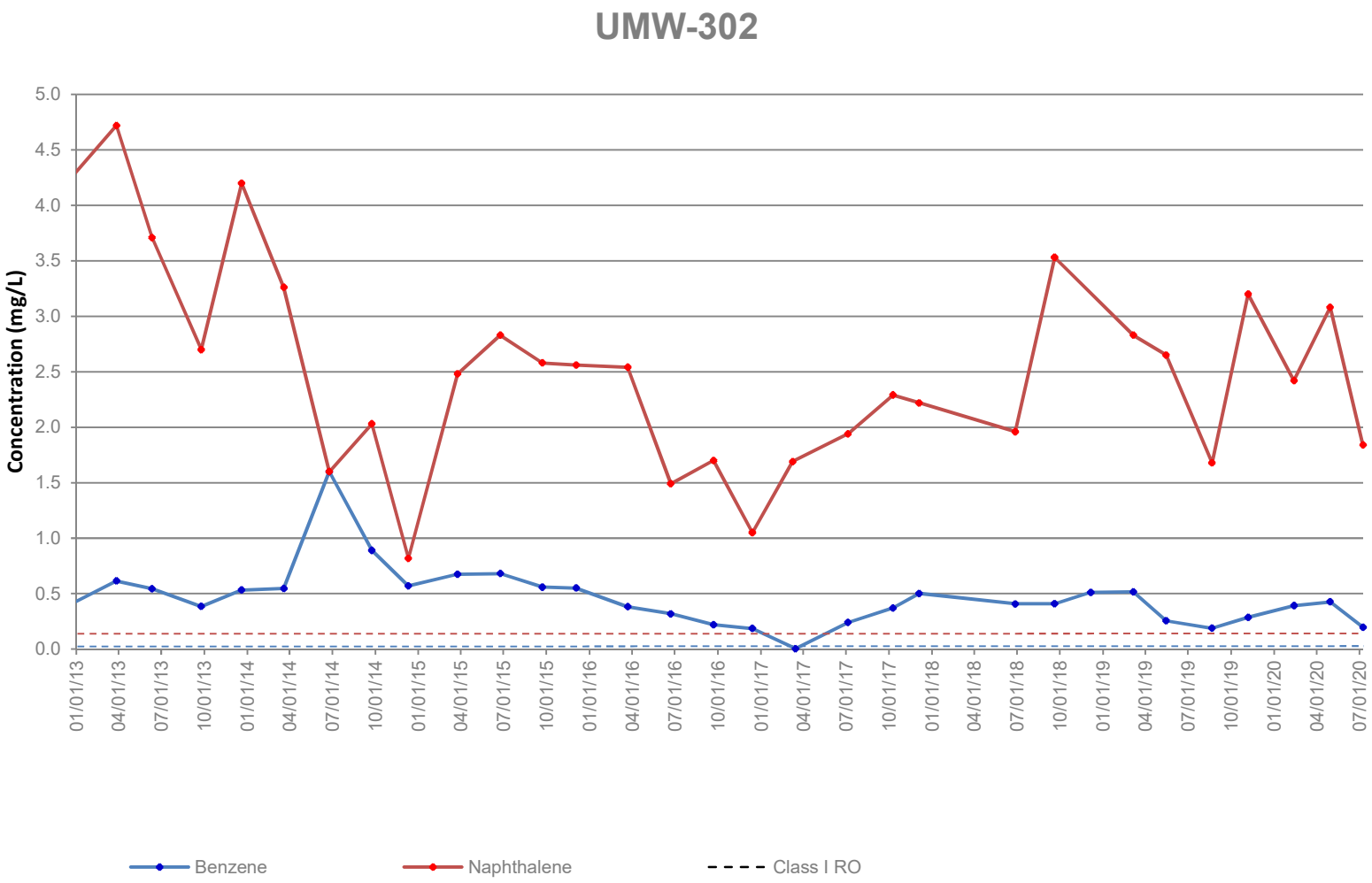


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1
Groundwater Elevation Data
July 6, 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 7/6/2020		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	5.95	731.00	3.60	150	06-Jul-20
UMW-105	19.70	9.50 - 19.70	17	736.96	737.33	7.66	729.30	2.65	150	08-Jul-20
UMW-106R	17.00	7.00 - 17.00	15	736.81	737.06	6.70	730.11	2.50	100	07-Jul-20
UMW-107R	19.70	9.50 - 19.70	17.7	736.51	736.93	5.71	730.80	3.00	150	07-Jul-20
UMW-108	15.00	4.80 - 15.00	13	736.49	736.73	5.22	731.27	2.00	175	07-Jul-20
UMW-109	20.00	10.00 - 20.00	18	734.74	735.13	6.09	728.65	2.25	20	07-Jul-20
UMW-111A	22.80	9.00 - 22.80	17	736.34	736.63	7.76	728.58	2.75	100	07-Jul-20
UMW-116	20.00	10.00 - 20.00	18	735.86	736.13	5.50	730.36	2.75	130	07-Jul-20
UMW-117	15.00	5.00 - 15.00	13	737.16	737.44	6.81	730.35	2.25	100	07-Jul-20
UMW-118	15.00	5.00 - 15.00	13	735.83	736.06	7.00	728.83	1.50	120	07-Jul-20
UMW-119	15.00	5.00 - 15.00	13	736.43	736.72	5.13	731.30	2.00	300	06-Jul-20
UMW-120	15.00	5.00 - 15.00	13	736.65	737.16	5.60	731.05	2.00	300	06-Jul-20
UMW-121	15.00	5.00 - 15.00	13	738.09	738.43	7.40	730.69	1.50	50	08-Jul-20
UMW-122	19.75	5.00 - 15.00	13	738.78	739.07	8.47	730.31	2.00	100	07-Jul-20
UMW-123	15.89	5.89 - 15.89	13.9	736.87	737.16	7.22	729.65	1.50	250	07-Jul-20
UMW-124 *	15.27	4.97 - 15.02	13.3	736.73	736.91	3.54	733.19	2.00	275	08-Jul-20
UMW-125 *	15.33	5.06 - 15.11	13.1	737.55	737.68	4.35	733.20	2.00	140	08-Jul-20
UMW-126 *	15.40	5.13 - 15.18	13.4	736.01	736.18	2.86	733.15	2.00	190	08-Jul-20
UMW-127 *	15.38	5.11 - 15.16	13.4	735.56	735.77	2.35	733.21	2.25	240	08-Jul-20
UMW-300	45.00	35.00 - 45.00	42	736.20	736.42	25.55	710.65	3.25	220	07-Jul-20
UMW-301R *	46.65	36.50 - 46.05	44	735.74	735.83	25.65	710.09	3.50	325	08-Jul-20
UMW-302	45.00	35.00 - 45.00	43	738.21	738.51	28.24	709.97	3.00	450	08-Jul-20
UMW-303	45.00	35.00 - 45.00	43	736.68	737.01	25.77	710.91	3.50	300	07-Jul-20
UMW-304R *	46.16	36.01 - 45.56	44	736.11	736.35	25.93	710.18	3.50	180	08-Jul-20
UMW-305	45.00	35.00 - 45.00	43	737.14	737.37	27.22	709.92	3.00	250	08-Jul-20
UMW-306	47.00	37.00 - 47.00	45	736.53	736.81	26.73	709.80	3.25	200	08-Jul-20
UMW-307	47.00	37.00 - 47.00	44	736.55	736.82	26.84	709.71	3.25	250	08-Jul-20
UMW-308 *	45.29	35.14 - 44.69	42.7	736.84	737.02	26.85	709.99	3.50	320	08-Jul-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
July 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	7/6/2020	7/8/2020	7/7/2020	7/7/2020	7/7/2020	7/7/2020	7/7/2020	7/7/2020	7/7/2020	7/7/2020	7/6/2020	7/6/2020	7/8/2020
			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	6.68	8.14	8.14	8.34	7.14	7.44	7.39	7.78	7.21	8.45	7.40	7.77	7.31
Temperature (C)	NS	NS	NS	16.1	18.0	18.4	19.9	19.6	29.7	18.5	20.1	17.6	23.5	15.1	16.9	22.1
ORP (mV)	NS	NS	NS	16.4	-67.2	-38.2	-149.9	56.7	-90.1	75.3	-65.3	34.3	-77.5	8.6	0.70	-25.5
Dissolved Oxygen (mg/L)	NS	NS	NS	0.27	1.21	5.23	0.15	1.52	1.13	4.08	0.47	0.83	0.73	0.43	1.68	1.19
Turbidity (NTU)	NS	NS	NS	0.69	10.05	1.25	29.8	2.85	1.85	0.38	0.80	1.15	9.79	9.48	4.72	6.68
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	< 0.000200	< 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																
Cyanide CN-	0.2	0.6	NS	< 0.005	0.043	0.016	0.378	0.027	0.026	< 0.005	< 0.005	< 0.005	0.018	0.031	< 0.005	0.093
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	0.0551	0.0521	0.0956	0.126	0.150	0.0836	0.0498	0.0798	0.120	0.113	0.0925	0.0491	0.114
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	0.181	< 0.0050	0.0269	< 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
July 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	7/7/2020	7/7/2020	7/8/2020	7/8/2020	7/8/2020	7/8/2020	7/8/2020	7/8/2020	7/7/2020	7/8/2020	7/8/2020	7/8/2020	7/7/2020
				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		7.11	7.45	11.21	11.21	9.24	9.34	9.34	12.84	7.37	8.28	7.98	7.98	7.48
Temperature (C)	NS	NS	NS		172	18.6	16.1	16.1	16.9	16.2	16.2	17.2	16.7	14.9	14.9	14.9	17.6
ORP (mV)	NS	NS	NS		83.5	65.7	-323.7	-323.7	134.7	-304.7	-304.7	-41.5	-43.3	-106.8	-147.2	-147.2	-65.4
Dissolved Oxygen (mg/L)	NS	NS	NS		0.60	2.67	0.08	0.08	0.08	0.010	0.010	0.05	0.50	0.17	0.28	0.28	0.14
Turbidity (NTU)	NS	NS	NS		2.77	1.26	23.4	23.4	0.51	3.56	3.56	8.9	1.2	1.11	1.53	1.53	4.49
BTEX, mg/L																	
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	**0.116**	**0.129**	0.0022	**0.136**	**0.152**	0.0014	< 0.0005	< 0.0005	**0.197**	**0.188**	< 0.0005
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	0.0164	0.0176	< 0.0020	0.0039	0.0046	< 0.0020	< 0.0020	< 0.0020	**0.598**	**0.607**	< 0.0020
Toluene	1	2.5	530		< 0.0020	< 0.0020	0.0978	0.102	< 0.0020	0.0196	0.0218	< 0.0020	< 0.0020	< 0.0020	0.0048	< 0.0200	< 0.0020
Xylene, Total	10	10	30		< 0.0040	< 0.0040	0.0464	0.0501	< 0.0040	0.0073	0.0085	< 0.0040	< 0.0040	< 0.0040	0.184	0.16	< 0.0040
PAH, mg/L																	
Acenaphthene	0.42	2.1	NS		< 0.000100	< 0.000100	0.000612	0.000574	< 0.000100	< 0.000100	< 0.000100	0.000181	< 0.000100	0.00322	0.000474	0.000454	< 0.000100
Acenaphthylene	0.21	1.05	NS		< 0.000100	< 0.000100	0.000416	0.000383	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00343	0.000406	0.000403	< 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	0.000237	0.000249	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000203	< 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	0.0680	0.0617	< 0.000400	0.00267 U	0.00285 U	0.00127 U	< 0.000400	< 0.000400	**1.84**	**1.81**	0.00146 U
Phenanthrene	0.21	1.05	NS		< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																	
Cyanide CN-	0.2	0.6	NS		0.009	< 0.005	< 0.005	< 0.005	0.026	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.074	0.076	< 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		0.0362	0.0185	0.0300	0.0293	0.0150	0.0318	0.0314	0.256	0.0993	0.0784	0.0585	0.0579	0.0397
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	0.0068	< 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	0.0136	< 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
July 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	7/8/2020	7/8/2020	7/8/2020	7/8/2020	7/8/2020	7/7/2020	7/6/2020
			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	7.73	8.18	8.71	7.83	7.87	NA	NA
Temperature (C)	NS	NS	NS	14.3	16.3	17.1	17.1	14.6	NA	NA
ORP (mV)	NS	NS	NS	-95.8	-135.3	-148.7	-141	-118.2	NA	NA
Dissolved Oxygen (mg/L)	NS	NS	NS	0.23	0.34	0.22	0.29	0.15	NA	NA
Turbidity (NTU)	NS	NS	NS	1.65	2.36	2.5	2.05	19.3	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	0.000266	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000564	< 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	0.00358	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										
Cyanide CN-	0.2	0.6	NS	< 0.005	0.010 J	0.011	0.023	0.020	< 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	0.0839	0.104	0.116	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.
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N = Normal Environmental Sample
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EB = Equipment Blank Sample
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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 July 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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

TABLE 3
Analytical Results by Parameter
September 2018 to July 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-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
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
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
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
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
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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)
UMW-305	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
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
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
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

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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	Benzo(k) fluoranthene (mg/L)	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-305	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
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
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
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

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

July 21, 2020

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

RE: Champaign GW **WorkOrder:** 20070538

Dear Greg Moore:

TEKLAB, INC received 33 samples on 7/9/2020 9:35:00 AM for the analysis presented in the following report.

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

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

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

Sincerely,

Elizabeth A. Hurley

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

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

This reporting package includes the following:

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-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
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)

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: 20070538
Report Date: 21-Jul-2020

Cooler Receipt Temp: 4.4 °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:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-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	166493	NELAP	6/30/2021	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2021	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2020	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:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-001 **Client Sample ID:** UMW-102-WG-20200706

Matrix: GROUNDWATER **Collection Date:** 07/06/2020 16:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/10/2020 11:56	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 17:35	167181
Barium	NELAP	0.0025		**0.0551**	mg/L	1	07/13/2020 17:35	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 17:35	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 17:35	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 17:35	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 17:35	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 17:35	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 8:53	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 11:36	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 11:36	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 11:36	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 11:36	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 11:36	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 11:36	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 11:36	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 11:36	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.6**	%REC	1	07/10/2020 11:36	167143
Surr: Nitrobenzene-d5	*	15-163		**72.0**	%REC	1	07/10/2020 11:36	167143
Surr: p-Terphenyl-d14	*	10-173		**86.4**	%REC	1	07/10/2020 11:36	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 14:42	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 14:42	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 14:42	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 14:42	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**98.3**	%REC	1	07/09/2020 14:42	167158
Surr: 4-Bromofluorobenzene	*	80-120		**98.7**	%REC	1	07/09/2020 14:42	167158
Surr: Dibromofluoromethane	*	80-120		**95.6**	%REC	1	07/09/2020 14:42	167158
Surr: Toluene-d8	*	80-120		**103.1**	%REC	1	07/09/2020 14:42	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-002 **Client Sample ID:** UMW-105-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.043**	mg/L	1	07/10/2020 14:14	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 19:39	167182
Barium	NELAP	0.0025		**0.0521**	mg/L	1	07/14/2020 19:39	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 19:39	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 19:39	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 19:39	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 19:39	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 19:39	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 10:56	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 12:18	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 12:18	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 12:18	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 12:18	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 12:18	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 12:18	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 12:18	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 12:18	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.5**	%REC	1	07/10/2020 12:18	167143
Surr: Nitrobenzene-d5	*	15-163		**73.1**	%REC	1	07/10/2020 12:18	167143
Surr: p-Terphenyl-d14	*	10-173		**86.6**	%REC	1	07/10/2020 12:18	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 15:10	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 15:10	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 15:10	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 15:10	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.0**	%REC	1	07/09/2020 15:10	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.9**	%REC	1	07/09/2020 15:10	167158
Surr: Dibromofluoromethane	*	80-120		**97.0**	%REC	1	07/09/2020 15:10	167158
Surr: Toluene-d8	*	80-120		**102.4**	%REC	1	07/09/2020 15:10	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-003 **Client Sample ID:** UMW-106R-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 18:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.016**	mg/L	1	07/10/2020 14:23	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 17:39	167181
Barium	NELAP	0.0025		**0.0956**	mg/L	1	07/13/2020 17:39	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 17:39	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 17:39	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 17:39	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 17:39	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 17:39	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:00	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 13:00	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:00	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 13:00	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:00	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:00	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 13:00	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 13:00	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:00	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**88.0**	%REC	1	07/10/2020 13:00	167143
Surr: Nitrobenzene-d5	*	15-163		**65.1**	%REC	1	07/10/2020 13:00	167143
Surr: p-Terphenyl-d14	*	10-173		**100.0**	%REC	1	07/10/2020 13:00	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 15:38	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 15:38	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 15:38	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 15:38	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.9**	%REC	1	07/09/2020 15:38	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.4**	%REC	1	07/09/2020 15:38	167158
Surr: Dibromofluoromethane	*	80-120		**98.0**	%REC	1	07/09/2020 15:38	167158
Surr: Toluene-d8	*	80-120		**101.8**	%REC	1	07/09/2020 15:38	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-004 **Client Sample ID:** UMW-107R-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 17:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.050		**0.378**	mg/L	10	07/10/2020 15:41	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 17:57	167181
Barium	NELAP	0.0025		**0.126**	mg/L	1	07/13/2020 17:57	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 17:57	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 17:57	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 17:57	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 17:57	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 17:57	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:03	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 13:43	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:43	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 13:43	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:43	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 13:43	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 13:43	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 13:43	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 13:43	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.8**	%REC	1	07/10/2020 13:43	167143
Surr: Nitrobenzene-d5	*	15-163		**65.1**	%REC	1	07/10/2020 13:43	167143
Surr: p-Terphenyl-d14	*	10-173		**97.6**	%REC	1	07/10/2020 13:43	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 16:05	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 16:05	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 16:05	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 16:05	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.2**	%REC	1	07/09/2020 16:05	167158
Surr: 4-Bromofluorobenzene	*	80-120		**98.8**	%REC	1	07/09/2020 16:05	167158
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	07/09/2020 16:05	167158
Surr: Toluene-d8	*	80-120		**102.4**	%REC	1	07/09/2020 16:05	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-005 **Client Sample ID:** UMW-108-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 11:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.027**	mg/L	1	07/10/2020 14:31	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 17:43	167181
Barium	NELAP	0.0025		**0.150**	mg/L	1	07/13/2020 17:43	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 17:43	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 17:43	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 17:43	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 17:43	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 17:43	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:05	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 14:26	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 14:26	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 14:26	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 14:26	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 14:26	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 14:26	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 14:26	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 14:26	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.1**	%REC	1	07/10/2020 14:26	167143
Surr: Nitrobenzene-d5	*	15-163		**68.0**	%REC	1	07/10/2020 14:26	167143
Surr: p-Terphenyl-d14	*	10-173		**112.2**	%REC	1	07/10/2020 14:26	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 16:33	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 16:33	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 16:33	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 16:33	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.8**	%REC	1	07/09/2020 16:33	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.4**	%REC	1	07/09/2020 16:33	167158
Surr: Dibromofluoromethane	*	80-120		**97.0**	%REC	1	07/09/2020 16:33	167158
Surr: Toluene-d8	*	80-120		**102.0**	%REC	1	07/09/2020 16:33	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-006 **Client Sample ID:** UMW-109-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.026**	mg/L	1	07/10/2020 14:36	167133
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:08	167181
Barium	NELAP	0.0025		**0.0836**	mg/L	1	07/13/2020 18:08	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:08	167181
Chromium	NELAP	0.0050		**0.181**	mg/L	1	07/13/2020 18:08	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:08	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:08	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:08	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:07	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 15:09	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:09	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 15:09	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:09	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:09	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 15:09	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 15:09	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:09	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**86.5**	%REC	1	07/10/2020 15:09	167143
Surr: Nitrobenzene-d5	*	15-163		**62.7**	%REC	1	07/10/2020 15:09	167143
Surr: p-Terphenyl-d14	*	10-173		**101.6**	%REC	1	07/10/2020 15:09	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 17:02	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:02	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:02	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 17:02	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.4**	%REC	1	07/09/2020 17:02	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.6**	%REC	1	07/09/2020 17:02	167158
Surr: Dibromofluoromethane	*	80-120		**97.6**	%REC	1	07/09/2020 17:02	167158
Surr: Toluene-d8	*	80-120		**102.2**	%REC	1	07/09/2020 17:02	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-007 **Client Sample ID:** UMW-111A-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 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	07/10/2020 12:30	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:12	167181
Barium	NELAP	0.0025		**0.0498**	mg/L	1	07/13/2020 18:12	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:12	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:12	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:12	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:12	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:12	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:09	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 15:52	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:52	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 15:52	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:52	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 15:52	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 15:52	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 15:52	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 15:52	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**85.8**	%REC	1	07/10/2020 15:52	167143
Surr: Nitrobenzene-d5	*	15-163		**70.0**	%REC	1	07/10/2020 15:52	167143
Surr: p-Terphenyl-d14	*	10-173		**100.5**	%REC	1	07/10/2020 15:52	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 17:30	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:30	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:30	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 17:30	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.3**	%REC	1	07/09/2020 17:30	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.0**	%REC	1	07/09/2020 17:30	167158
Surr: Dibromofluoromethane	*	80-120		**97.5**	%REC	1	07/09/2020 17:30	167158
Surr: Toluene-d8	*	80-120		**102.3**	%REC	1	07/09/2020 17:30	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-008 **Client Sample ID:** UMW-116-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 14:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/10/2020 14:40	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:16	167181
Barium	NELAP	0.0025		**0.0798**	mg/L	1	07/13/2020 18:16	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:16	167181
Chromium	NELAP	0.0050		**0.0269**	mg/L	1	07/13/2020 18:16	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:16	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:16	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:16	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:12	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 16:35	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 16:35	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 16:35	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 16:35	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 16:35	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 16:35	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 16:35	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 16:35	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.2**	%REC	1	07/10/2020 16:35	167143
Surr: Nitrobenzene-d5	*	15-163		**69.4**	%REC	1	07/10/2020 16:35	167143
Surr: p-Terphenyl-d14	*	10-173		**104.3**	%REC	1	07/10/2020 16:35	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 17:58	167158
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:58	167158
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 17:58	167158
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 17:58	167158
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.9**	%REC	1	07/09/2020 17:58	167158
Surr: 4-Bromofluorobenzene	*	80-120		**99.6**	%REC	1	07/09/2020 17:58	167158
Surr: Dibromofluoromethane	*	80-120		**97.1**	%REC	1	07/09/2020 17:58	167158
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	07/09/2020 17:58	167158

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-009 **Client Sample ID:** UMW-117-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 12:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/10/2020 15:06	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:19	167181
Barium	NELAP	0.0025		**0.120**	mg/L	1	07/13/2020 18:19	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:19	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:19	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:19	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:19	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:19	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:14	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 17:17	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 17:17	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 17:17	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 17:17	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 17:17	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 15:52	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 17:17	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 17:17	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.6**	%REC	1	07/14/2020 15:52	167143
Surr: Nitrobenzene-d5	*	15-163		**52.9**	%REC	1	07/14/2020 15:52	167143
Surr: p-Terphenyl-d14	*	10-173		**101.8**	%REC	1	07/10/2020 17:17	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 21:10	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 21:10	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 21:10	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 21:10	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.7**	%REC	1	07/09/2020 21:10	167160
Surr: 4-Bromofluorobenzene	*	80-120		**100.6**	%REC	1	07/09/2020 21:10	167160
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	07/09/2020 21:10	167160
Surr: Toluene-d8	*	80-120		**102.8**	%REC	1	07/09/2020 21:10	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-010 **Client Sample ID:** UMW-118-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.018**	mg/L	1	07/10/2020 15:10	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:23	167181
Barium	NELAP	0.0025		**0.113**	mg/L	1	07/13/2020 18:23	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:23	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:23	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:23	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:23	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:23	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:16	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 16:35	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 16:35	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 18:01	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 18:01	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 18:01	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 16:35	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:01	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/10/2020 18:01	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 18:01	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 18:01	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**56.3**	%REC	1	07/10/2020 18:01	167143
Surr: Nitrobenzene-d5	*	15-163		**58.7**	%REC	1	07/10/2020 18:01	167143
Surr: p-Terphenyl-d14	*	10-173		**107.2**	%REC	1	07/10/2020 18:01	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 21:37	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 21:37	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 21:37	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 21:37	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.0**	%REC	1	07/09/2020 21:37	167160
Surr: 4-Bromofluorobenzene	*	80-120		**99.4**	%REC	1	07/09/2020 21:37	167160
Surr: Dibromofluoromethane	*	80-120		**97.7**	%REC	1	07/09/2020 21:37	167160
Surr: Toluene-d8	*	80-120		**102.5**	%REC	1	07/09/2020 21:37	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-011 **Client Sample ID:** UMW-119-WG-20200706

Matrix: GROUNDWATER **Collection Date:** 07/06/2020 18:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.031**	mg/L	1	07/10/2020 15:19	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:27	167181
Barium	NELAP	0.0025		**0.0925**	mg/L	1	07/13/2020 18:27	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:27	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/21/2020 12:49	167494
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:27	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:27	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:27	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:18	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 17:18	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 17:18	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 18:43	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 18:43	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 18:43	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 17:18	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 18:43	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 17:18	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 18:43	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 18:43	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**77.5**	%REC	1	07/14/2020 17:18	167143
Surr: Nitrobenzene-d5	*	15-163		**55.5**	%REC	1	07/14/2020 17:18	167143
Surr: p-Terphenyl-d14	*	10-173		**109.8**	%REC	1	07/10/2020 18:43	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 22:04	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:04	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:04	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 22:04	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.6**	%REC	1	07/09/2020 22:04	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.3**	%REC	1	07/09/2020 22:04	167160
Surr: Dibromofluoromethane	*	80-120		**98.3**	%REC	1	07/09/2020 22:04	167160
Surr: Toluene-d8	*	80-120		**102.2**	%REC	1	07/09/2020 22:04	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-012 **Client Sample ID:** UMW-120-WG-20200706

Matrix: GROUNDWATER **Collection Date:** 07/06/2020 17:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/10/2020 15:23	167134
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:30	167181
Barium	NELAP	0.0025		**0.0491**	mg/L	1	07/13/2020 18:30	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:30	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:30	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:30	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:30	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:30	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:21	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/15/2020 0:14	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/15/2020 0:14	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/15/2020 0:14	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/15/2020 0:14	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/15/2020 0:14	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/15/2020 0:14	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/15/2020 0:14	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/15/2020 0:14	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**90.7**	%REC	1	07/15/2020 0:14	167143
Surr: Nitrobenzene-d5	*	15-163		**54.9**	%REC	1	07/15/2020 0:14	167143
Surr: p-Terphenyl-d14	*	10-173		**99.9**	%REC	1	07/15/2020 0:14	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 22:31	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:31	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:31	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 22:31	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.6**	%REC	1	07/09/2020 22:31	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.7**	%REC	1	07/09/2020 22:31	167160
Surr: Dibromofluoromethane	*	80-120		**97.3**	%REC	1	07/09/2020 22:31	167160
Surr: Toluene-d8	*	80-120		**102.9**	%REC	1	07/09/2020 22:31	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-013 **Client Sample ID:** UMW-121-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 14:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.093**	mg/L	5	07/13/2020 13:04	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 19:43	167182
Barium	NELAP	0.0025		**0.114**	mg/L	1	07/14/2020 19:43	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 19:43	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 19:43	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 19:43	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 19:43	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 19:43	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 10:59	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 10:52	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:52	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 10:52	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:52	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:52	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 10:52	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 10:52	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:52	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**92.2**	%REC	1	07/14/2020 10:52	167143
Surr: Nitrobenzene-d5	*	15-163		**58.2**	%REC	1	07/14/2020 10:52	167143
Surr: p-Terphenyl-d14	*	10-173		**104.8**	%REC	1	07/14/2020 10:52	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 22:58	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:58	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:58	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 22:58	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.7**	%REC	1	07/09/2020 22:58	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.3**	%REC	1	07/09/2020 22:58	167160
Surr: Dibromofluoromethane	*	80-120		**97.1**	%REC	1	07/09/2020 22:58	167160
Surr: Toluene-d8	*	80-120		**102.3**	%REC	1	07/09/2020 22:58	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-014 **Client Sample ID:** UMW-122-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.009**	mg/L	1	07/13/2020 10:23	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:45	167181
Barium	NELAP	0.0025		**0.0362**	mg/L	1	07/13/2020 18:45	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:45	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:45	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:45	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:45	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:45	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:33	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 11:34	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 11:34	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 11:34	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 11:34	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 11:34	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 11:34	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 11:34	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 11:34	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.2**	%REC	1	07/14/2020 11:34	167143
Surr: Nitrobenzene-d5	*	15-163		**52.5**	%REC	1	07/14/2020 11:34	167143
Surr: p-Terphenyl-d14	*	10-173		**92.2**	%REC	1	07/14/2020 11:34	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 23:25	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:25	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:25	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 23:25	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.1**	%REC	1	07/09/2020 23:25	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.9**	%REC	1	07/09/2020 23:25	167160
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	07/09/2020 23:25	167160
Surr: Toluene-d8	*	80-120		**102.5**	%REC	1	07/09/2020 23:25	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-015 **Client Sample ID:** UMW-123-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 17:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 10:28	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:49	167181
Barium	NELAP	0.0025		**0.0185**	mg/L	1	07/13/2020 18:49	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:49	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:49	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:49	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:49	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:49	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:35	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 12:16	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:16	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 12:16	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:16	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:16	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 12:16	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 12:16	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:16	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.5**	%REC	1	07/14/2020 12:16	167143
Surr: Nitrobenzene-d5	*	15-163		**56.0**	%REC	1	07/14/2020 12:16	167143
Surr: p-Terphenyl-d14	*	10-173		**90.6**	%REC	1	07/14/2020 12:16	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/09/2020 23:51	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:51	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:51	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 23:51	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.6**	%REC	1	07/09/2020 23:51	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.8**	%REC	1	07/09/2020 23:51	167160
Surr: Dibromofluoromethane	*	80-120		**98.1**	%REC	1	07/09/2020 23:51	167160
Surr: Toluene-d8	*	80-120		**102.5**	%REC	1	07/09/2020 23:51	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-016 **Client Sample ID:** UMW-124-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 15:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 10:32	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 19:46	167182
Barium	NELAP	0.0025		**0.0300**	mg/L	1	07/14/2020 19:46	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 19:46	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 19:46	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 19:46	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 19:46	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 19:46	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:01	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000612**	mg/L	1	07/10/2020 23:35	167143
Acenaphthylene	NELAP	0.000100		**0.000416**	mg/L	1	07/10/2020 23:35	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 23:35	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 23:35	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/10/2020 23:35	167143
Fluorene	NELAP	0.000200		**0.000237**	mg/L	1	07/10/2020 23:35	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/10/2020 23:35	167143
Naphthalene	NELAP	0.0400		**0.0680**	mg/L	100	07/14/2020 18:01	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/10/2020 23:35	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/10/2020 23:35	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.6**	%REC	1	07/10/2020 23:35	167143
Surr: Nitrobenzene-d5	*	15-163		**59.4**	%REC	1	07/10/2020 23:35	167143
Surr: p-Terphenyl-d14	*	10-173		**107.2**	%REC	1	07/10/2020 23:35	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**116**	µg/L	1	07/10/2020 0:18	167160
Ethylbenzene	NELAP	2.0		**16.4**	µg/L	1	07/10/2020 0:18	167160
Toluene	NELAP	2.0		**97.8**	µg/L	1	07/10/2020 0:18	167160
Xylenes, Total	NELAP	4.0		**46.4**	µg/L	1	07/10/2020 0:18	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.2**	%REC	1	07/10/2020 0:18	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.2**	%REC	1	07/10/2020 0:18	167160
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	07/10/2020 0:18	167160
Surr: Toluene-d8	*	80-120		**103.1**	%REC	1	07/10/2020 0:18	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-017 **Client Sample ID:** UMW-125-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.026**	mg/L	1	07/13/2020 10:41	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 19:50	167182
Barium	NELAP	0.0025		**0.0150**	mg/L	1	07/14/2020 19:50	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 19:50	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 19:50	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 19:50	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 19:50	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 19:50	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:03	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 12:59	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:59	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 12:59	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:59	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 12:59	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 12:59	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 12:59	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 12:59	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**80.3**	%REC	1	07/14/2020 12:59	167143
Surr: Nitrobenzene-d5	*	15-163		**57.5**	%REC	1	07/14/2020 12:59	167143
Surr: p-Terphenyl-d14	*	10-173		**89.7**	%REC	1	07/14/2020 12:59	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**2.2**	µg/L	1	07/10/2020 0:45	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:45	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:45	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 0:45	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.4**	%REC	1	07/10/2020 0:45	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.5**	%REC	1	07/10/2020 0:45	167160
Surr: Dibromofluoromethane	*	80-120		**97.5**	%REC	1	07/10/2020 0:45	167160
Surr: Toluene-d8	*	80-120		**103.0**	%REC	1	07/10/2020 0:45	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-018 **Client Sample ID:** UMW-126-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 14:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 10:45	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 19:54	167182
Barium	NELAP	0.0025		**0.0318**	mg/L	1	07/14/2020 19:54	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 19:54	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 19:54	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 19:54	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 19:54	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 19:54	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:05	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 13:42	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 13:42	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 13:42	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 13:42	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 13:42	167143
Naphthalene	NELAP	0.000400		**0.00267**	mg/L	1	07/14/2020 13:42	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 13:42	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 13:42	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.9**	%REC	1	07/14/2020 13:42	167143
Surr: Nitrobenzene-d5	*	15-163		**57.3**	%REC	1	07/14/2020 13:42	167143
Surr: p-Terphenyl-d14	*	10-173		**101.9**	%REC	1	07/14/2020 13:42	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**136**	µg/L	1	07/10/2020 1:12	167160
Ethylbenzene	NELAP	2.0		**3.9**	µg/L	1	07/10/2020 1:12	167160
Toluene	NELAP	2.0		**19.6**	µg/L	1	07/10/2020 1:12	167160
Xylenes, Total	NELAP	4.0		**7.3**	µg/L	1	07/10/2020 1:12	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.5**	%REC	1	07/10/2020 1:12	167160
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	07/10/2020 1:12	167160
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	07/10/2020 1:12	167160
Surr: Toluene-d8	*	80-120		**102.7**	%REC	1	07/10/2020 1:12	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-019 **Client Sample ID:** UMW-127-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 10:49	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:08	167182
Barium	NELAP	0.0025		**0.256**	mg/L	1	07/14/2020 20:08	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:08	167182
Chromium	NELAP	0.0050		**0.0068**	mg/L	1	07/14/2020 20:08	167182
Lead	NELAP	0.0075		**0.0136**	mg/L	1	07/14/2020 20:08	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:08	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:08	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:12	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000181**	mg/L	1	07/14/2020 14:25	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 14:25	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 14:25	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 14:25	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 14:25	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 14:25	167143
Naphthalene	NELAP	0.000400		**0.00127**	mg/L	1	07/14/2020 14:25	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 14:25	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 14:25	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**87.1**	%REC	1	07/14/2020 14:25	167143
Surr: Nitrobenzene-d5	*	15-163		**50.3**	%REC	1	07/14/2020 14:25	167143
Surr: p-Terphenyl-d14	*	10-173		**90.9**	%REC	1	07/14/2020 14:25	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.4**	µg/L	1	07/10/2020 1:39	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 1:39	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 1:39	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 1:39	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**99.9**	%REC	1	07/10/2020 1:39	167160
Surr: 4-Bromofluorobenzene	*	80-120		**97.9**	%REC	1	07/10/2020 1:39	167160
Surr: Dibromofluoromethane	*	80-120		**97.4**	%REC	1	07/10/2020 1:39	167160
Surr: Toluene-d8	*	80-120		**102.0**	%REC	1	07/10/2020 1:39	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-020 **Client Sample ID:** UMW-300-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 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	07/13/2020 11:15	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:52	167181
Barium	NELAP	0.0025		**0.0993**	mg/L	1	07/13/2020 18:52	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:52	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:52	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:52	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:52	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:52	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/10/2020 9:42	167142
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 17:23	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 17:23	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 17:23	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 17:23	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 17:23	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 17:23	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 17:23	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 17:23	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**92.7**	%REC	1	07/13/2020 17:23	167175
Surr: Nitrobenzene-d5	*	15-163		**61.1**	%REC	1	07/13/2020 17:23	167175
Surr: p-Terphenyl-d14	*	10-173		**115.1**	%REC	1	07/13/2020 17:23	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 2:06	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:06	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:06	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 2:06	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.5**	%REC	1	07/10/2020 2:06	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.4**	%REC	1	07/10/2020 2:06	167160
Surr: Dibromofluoromethane	*	80-120		**98.2**	%REC	1	07/10/2020 2:06	167160
Surr: Toluene-d8	*	80-120		**102.5**	%REC	1	07/10/2020 2:06	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-021 **Client Sample ID:** UMW-301R-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 12:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 11:20	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:12	167182
Barium	NELAP	0.0025		**0.0784**	mg/L	1	07/14/2020 20:12	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:12	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:12	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:12	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:12	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:12	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:19	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00322**	mg/L	1	07/13/2020 18:05	167175
Acenaphthylene	NELAP	0.000100		**0.00343**	mg/L	1	07/13/2020 18:05	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 18:05	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 18:05	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 18:05	167175
Fluorene	NELAP	0.000200		**0.000203**	mg/L	1	07/13/2020 18:05	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:05	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 18:05	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 18:05	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 18:05	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**92.5**	%REC	1	07/13/2020 18:05	167175
Surr: Nitrobenzene-d5	*	15-163		**61.6**	%REC	1	07/13/2020 18:05	167175
Surr: p-Terphenyl-d14	*	10-173		**116.2**	%REC	1	07/13/2020 18:05	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 2:32	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:32	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:32	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 2:32	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.4**	%REC	1	07/10/2020 2:32	167160
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	07/10/2020 2:32	167160
Surr: Dibromofluoromethane	*	80-120		**98.1**	%REC	1	07/10/2020 2:32	167160
Surr: Toluene-d8	*	80-120		**102.4**	%REC	1	07/10/2020 2:32	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-022 **Client Sample ID:** UMW-302-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 12:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.074**	mg/L	5	07/13/2020 13:08	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:16	167182
Barium	NELAP	0.0025		**0.0585**	mg/L	1	07/14/2020 20:16	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:16	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:16	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:16	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:16	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:16	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:22	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000474**	mg/L	1	07/13/2020 18:46	167175
Acenaphthylene	NELAP	0.000100		**0.000406**	mg/L	1	07/13/2020 18:46	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 18:46	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 18:46	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 18:46	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 18:46	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 18:46	167175
Naphthalene	NELAP	0.400		**1.84**	mg/L	1000	07/15/2020 11:38	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 18:46	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 18:46	167175
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**0**	%REC	1000	07/15/2020 11:38	167175
Surr: Nitrobenzene-d5	*	15-163	S	**0**	%REC	1000	07/15/2020 11:38	167175
Surr: p-Terphenyl-d14	*	10-173		**117.8**	%REC	1	07/13/2020 18:46	167175

Surrogate recovery is outside control limits due to sample dilution.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**197**	µg/L	10	07/10/2020 15:29	167187
Ethylbenzene	NELAP	20.0		**598**	µg/L	10	07/10/2020 15:29	167187
Toluene	NELAP	2.0		**4.8**	µg/L	1	07/10/2020 2:59	167160
Xylenes, Total	NELAP	4.0		**184**	µg/L	1	07/10/2020 2:59	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.9**	%REC	1	07/10/2020 2:59	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.7**	%REC	1	07/10/2020 2:59	167160
Surr: Dibromofluoromethane	*	80-120		**98.6**	%REC	1	07/10/2020 2:59	167160
Surr: Toluene-d8	*	80-120		**101.9**	%REC	1	07/10/2020 2:59	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-023 **Client Sample ID:** UMW-303-WG-20200707

Matrix: GROUNDWATER **Collection Date:** 07/07/2020 14:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 11:33	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 18:56	167181
Barium	NELAP	0.0025		**0.0397**	mg/L	1	07/13/2020 18:56	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 18:56	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 18:56	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 18:56	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 18:56	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 18:56	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:24	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 19:28	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 19:28	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 19:28	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 19:28	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 19:28	167175
Naphthalene	NELAP	0.000400		**0.00146**	mg/L	1	07/13/2020 19:28	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 19:28	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 19:28	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**81.3**	%REC	1	07/13/2020 19:28	167175
Surr: Nitrobenzene-d5	*	15-163		**53.2**	%REC	1	07/13/2020 19:28	167175
Surr: p-Terphenyl-d14	*	10-173		**99.2**	%REC	1	07/13/2020 19:28	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 3:26	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 3:26	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 3:26	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 3:26	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.4**	%REC	1	07/10/2020 3:26	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.9**	%REC	1	07/10/2020 3:26	167160
Surr: Dibromofluoromethane	*	80-120		**97.3**	%REC	1	07/10/2020 3:26	167160
Surr: Toluene-d8	*	80-120		**102.6**	%REC	1	07/10/2020 3:26	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-024 **Client Sample ID:** UMW-304R-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 9:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 11:37	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:19	167182
Barium	NELAP	0.0025		**0.0839**	mg/L	1	07/14/2020 20:19	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:19	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:19	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:19	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:19	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:19	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:26	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000266**	mg/L	1	07/13/2020 20:09	167175
Acenaphthylene	NELAP	0.000100		**0.000564**	mg/L	1	07/13/2020 20:09	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 20:09	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:09	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 20:09	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:09	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:09	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 20:09	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 20:09	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:09	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.4**	%REC	1	07/13/2020 20:09	167175
Surr: Nitrobenzene-d5	*	15-163		**56.7**	%REC	1	07/13/2020 20:09	167175
Surr: p-Terphenyl-d14	*	10-173		**105.5**	%REC	1	07/13/2020 20:09	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 0:10	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:10	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:10	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 0:10	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**108.7**	%REC	1	07/10/2020 0:10	167156
Surr: 4-Bromofluorobenzene	*	80-120		**104.1**	%REC	1	07/10/2020 0:10	167156
Surr: Dibromofluoromethane	*	80-120		**102.1**	%REC	1	07/10/2020 0:10	167156
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	07/10/2020 0:10	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-025 **Client Sample ID:** UMW-305-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 11:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005	S	**0.010**	mg/L	1	07/15/2020 8:59	167286
Matrix spike did not recover within control limits due to matrix interference.								
Consistent results were not achieved across multiple prep and analyses. The highest result is reported.								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:23	167182
Barium	NELAP	0.0025		**0.104**	mg/L	1	07/14/2020 20:23	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:23	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:23	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:23	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:23	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:23	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:28	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 15:09	167143
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 15:09	167143
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 15:09	167143
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 15:09	167143
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 15:09	167143
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/14/2020 15:09	167143
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 15:09	167143
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 15:09	167143
Surr: 2-Fluorobiphenyl	*	21.4-142		**87.1**	%REC	1	07/14/2020 15:09	167143
Surr: Nitrobenzene-d5	*	15-163		**56.3**	%REC	1	07/14/2020 15:09	167143
Surr: p-Terphenyl-d14	*	10-173		**94.3**	%REC	1	07/14/2020 15:09	167143
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	07/10/2020 3:52	167160
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 3:52	167160
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 3:52	167160
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 3:52	167160
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.0**	%REC	1	07/10/2020 3:52	167160
Surr: 4-Bromofluorobenzene	*	80-120		**98.1**	%REC	1	07/10/2020 3:52	167160
Surr: Dibromofluoromethane	*	80-120		**98.0**	%REC	1	07/10/2020 3:52	167160
Surr: Toluene-d8	*	80-120		**102.1**	%REC	1	07/10/2020 3:52	167160

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-026 **Client Sample ID:** UMW-306-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005	SR	**0.011**	mg/L	1	07/15/2020 9:16	167286
RPD for MS/MSD was outside control limits.								
Matrix spike did not recover within control limits due to matrix interference.								
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:34	167182
Barium	NELAP	0.0025		**0.116**	mg/L	1	07/14/2020 20:34	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:34	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:34	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:34	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:34	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:34	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:35	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 20:50	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:50	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 20:50	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:50	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 20:50	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 20:50	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 20:50	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 20:50	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**92.1**	%REC	1	07/13/2020 20:50	167175
Surr: Nitrobenzene-d5	*	15-163		**60.8**	%REC	1	07/13/2020 20:50	167175
Surr: p-Terphenyl-d14	*	10-173		**111.3**	%REC	1	07/13/2020 20:50	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 0:38	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:38	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 0:38	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 0:38	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.4**	%REC	1	07/10/2020 0:38	167156
Surr: 4-Bromofluorobenzene	*	80-120		**102.4**	%REC	1	07/10/2020 0:38	167156
Surr: Dibromofluoromethane	*	80-120		**103.7**	%REC	1	07/10/2020 0:38	167156
Surr: Toluene-d8	*	80-120		**96.8**	%REC	1	07/10/2020 0:38	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-027 **Client Sample ID:** UMW-307-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 8:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.023**	mg/L	1	07/13/2020 11:41	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 20:56	167182
Barium	NELAP	0.0025		**0.114**	mg/L	1	07/14/2020 20:56	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 20:56	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 20:56	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 20:56	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 20:56	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 20:56	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:47	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 22:52	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 22:52	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 22:52	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 22:52	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 22:52	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 22:52	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 22:52	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 22:52	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**89.3**	%REC	1	07/13/2020 22:52	167175
Surr: Nitrobenzene-d5	*	15-163		**61.6**	%REC	1	07/13/2020 22:52	167175
Surr: p-Terphenyl-d14	*	10-173		**106.9**	%REC	1	07/13/2020 22:52	167175

Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 2:02	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:02	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:02	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 2:02	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**110.1**	%REC	1	07/10/2020 2:02	167156
Surr: 4-Bromofluorobenzene	*	80-120		**103.8**	%REC	1	07/10/2020 2:02	167156
Surr: Dibromofluoromethane	*	80-120		**100.9**	%REC	1	07/10/2020 2:02	167156
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	07/10/2020 2:02	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-028 **Client Sample ID:** UMW-308-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 13:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.020**	mg/L	1	07/13/2020 11:46	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 21:00	167182
Barium	NELAP	0.0025		**0.116**	mg/L	1	07/14/2020 21:00	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 21:00	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 21:00	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 21:00	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 21:00	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 21:00	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:50	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 23:33	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 23:33	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/13/2020 23:33	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 23:33	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/13/2020 23:33	167175
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	07/13/2020 23:33	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/13/2020 23:33	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/13/2020 23:33	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**84.8**	%REC	1	07/13/2020 23:33	167175
Surr: Nitrobenzene-d5	*	15-163		**54.1**	%REC	1	07/13/2020 23:33	167175
Surr: p-Terphenyl-d14	*	10-173		**97.7**	%REC	1	07/13/2020 23:33	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/10/2020 2:29	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:29	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/10/2020 2:29	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/10/2020 2:29	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**110.9**	%REC	1	07/10/2020 2:29	167156
Surr: 4-Bromofluorobenzene	*	80-120		**102.9**	%REC	1	07/10/2020 2:29	167156
Surr: Dibromofluoromethane	*	80-120		**101.2**	%REC	1	07/10/2020 2:29	167156
Surr: Toluene-d8	*	80-120		**98.9**	%REC	1	07/10/2020 2:29	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-029 **Client Sample ID:** DUP 001-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 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	07/13/2020 11:54	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 21:03	167182
Barium	NELAP	0.0025		**0.0293**	mg/L	1	07/14/2020 21:03	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 21:03	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 21:03	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 21:03	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 21:03	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 21:03	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:52	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000574**	mg/L	1	07/14/2020 0:13	167175
Acenaphthylene	NELAP	0.000100		**0.000383**	mg/L	1	07/14/2020 0:13	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 0:13	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 0:13	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 0:13	167175
Fluorene	NELAP	0.000200		**0.000249**	mg/L	1	07/14/2020 0:13	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:13	167175
Naphthalene	NELAP	0.0400		**0.0617**	mg/L	100	07/15/2020 0:54	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 0:13	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 0:13	167175
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**0**	%REC	100	07/15/2020 0:54	167175
Surr: Nitrobenzene-d5	*	15-163	S	**0**	%REC	100	07/15/2020 0:54	167175
Surr: p-Terphenyl-d14	*	10-173		**113.7**	%REC	1	07/14/2020 0:13	167175

Surrogate recovery is outside control limits due to sample dilution.

Allowable Marginal Exceedance of Benzo(a)pyrene 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		**129**	µg/L	1	07/10/2020 2:57	167156
Ethylbenzene	NELAP	2.0		**17.6**	µg/L	1	07/10/2020 2:57	167156
Toluene	NELAP	2.0		**102**	µg/L	1	07/10/2020 2:57	167156
Xylenes, Total	NELAP	4.0		**50.1**	µg/L	1	07/10/2020 2:57	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.1**	%REC	1	07/10/2020 2:57	167156
Surr: 4-Bromofluorobenzene	*	80-120		**105.8**	%REC	1	07/10/2020 2:57	167156
Surr: Dibromofluoromethane	*	80-120		**101.3**	%REC	1	07/10/2020 2:57	167156
Surr: Toluene-d8	*	80-120		**98.2**	%REC	1	07/10/2020 2:57	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-030 **Client Sample ID:** DUP 002-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 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	07/13/2020 11:59	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 21:07	167182
Barium	NELAP	0.0025		**0.0314**	mg/L	1	07/14/2020 21:07	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 21:07	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 21:07	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 21:07	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 21:07	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 21:07	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:55	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 0:54	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 0:54	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 0:54	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 0:54	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 0:54	167175
Naphthalene	NELAP	0.000400		**0.00285**	mg/L	1	07/14/2020 0:54	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 0:54	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 0:54	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**82.9**	%REC	1	07/14/2020 0:54	167175
Surr: Nitrobenzene-d5	*	15-163		**62.5**	%REC	1	07/14/2020 0:54	167175
Surr: p-Terphenyl-d14	*	10-173		**109.8**	%REC	1	07/14/2020 0:54	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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		**152**	µg/L	1	07/10/2020 3:26	167156
Ethylbenzene	NELAP	2.0		**4.6**	µg/L	1	07/10/2020 3:26	167156
Toluene	NELAP	2.0		**21.8**	µg/L	1	07/10/2020 3:26	167156
Xylenes, Total	NELAP	4.0		**8.5**	µg/L	1	07/10/2020 3:26	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**109.3**	%REC	1	07/10/2020 3:26	167156
Surr: 4-Bromofluorobenzene	*	80-120		**104.9**	%REC	1	07/10/2020 3:26	167156
Surr: Dibromofluoromethane	*	80-120		**101.5**	%REC	1	07/10/2020 3:26	167156
Surr: Toluene-d8	*	80-120		**101.6**	%REC	1	07/10/2020 3:26	167156

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-031 **Client Sample ID:** DUP 003-WG-20200708

Matrix: GROUNDWATER **Collection Date:** 07/08/2020 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.076**	mg/L	5	07/13/2020 13:12	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/14/2020 21:11	167182
Barium	NELAP	0.0025		**0.0579**	mg/L	1	07/14/2020 21:11	167182
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/14/2020 21:11	167182
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/14/2020 21:11	167182
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/14/2020 21:11	167182
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/14/2020 21:11	167182
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/14/2020 21:11	167182
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:57	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000454**	mg/L	1	07/14/2020 1:35	167175
Acenaphthylene	NELAP	0.000100		**0.000403**	mg/L	1	07/14/2020 1:35	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 1:35	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 1:35	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 1:35	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 1:35	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 1:35	167175
Naphthalene	NELAP	0.400		**1.81**	mg/L	1000	07/15/2020 1:35	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 1:35	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 1:35	167175
Surr: 2-Fluorobiphenyl	*	21.4-142	S	**0**	%REC	1000	07/15/2020 1:35	167175
Surr: Nitrobenzene-d5	*	15-163	S	**0**	%REC	1000	07/15/2020 1:35	167175
Surr: p-Terphenyl-d14	*	10-173		**101.9**	%REC	1	07/14/2020 1:35	167175

Surrogate recovery is outside control limits due to sample dilution.

Allowable Marginal Exceedance of Benzo(a)pyrene in the laboratory control sample is verified per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**188**	µg/L	10	07/10/2020 15:56	167187
Ethylbenzene	NELAP	20.0		**607**	µg/L	10	07/10/2020 15:56	167187
Toluene	NELAP	20.0		**ND**	µg/L	10	07/10/2020 15:56	167187
Xylenes, Total	NELAP	40.0		**160**	µg/L	10	07/10/2020 15:56	167187
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.7**	%REC	10	07/10/2020 15:56	167187
Surr: 4-Bromofluorobenzene	*	80-120		**95.0**	%REC	10	07/10/2020 15:56	167187
Surr: Dibromofluoromethane	*	80-120		**99.4**	%REC	10	07/10/2020 15:56	167187
Surr: Toluene-d8	*	80-120		**105.1**	%REC	10	07/10/2020 15:56	167187

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

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Lab ID: 20070538-032 **Client Sample ID:** EB-01-WQ-20200707

Matrix: AQUEOUS **Collection Date:** 07/07/2020 14:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	07/13/2020 12:29	167183
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	07/13/2020 19:00	167181
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	07/13/2020 19:00	167181
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	07/13/2020 19:00	167181
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	07/13/2020 19:00	167181
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	07/13/2020 19:00	167181
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	07/13/2020 19:00	167181
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	07/13/2020 19:00	167181
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	07/13/2020 11:59	167198
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Anthracene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 10:10	167175
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:10	167175
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Chrysene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	07/14/2020 10:10	167175
Fluorene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:10	167175
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	07/14/2020 10:10	167175
Naphthalene	NELAP	0.000400		**0.00358**	mg/L	1	07/14/2020 10:10	167175
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	07/14/2020 10:10	167175
Pyrene	NELAP	0.000200		**ND**	mg/L	1	07/14/2020 10:10	167175
Surr: 2-Fluorobiphenyl	*	21.4-142		**83.6**	%REC	1	07/14/2020 10:10	167175
Surr: Nitrobenzene-d5	*	15-163		**65.0**	%REC	1	07/14/2020 10:10	167175
Surr: p-Terphenyl-d14	*	10-173		**111.8**	%REC	1	07/14/2020 10:10	167175
Allowable Marginal Exceedance of Benzo(a)pyrene 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	07/09/2020 22:45	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:45	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 22:45	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 22:45	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**107.5**	%REC	1	07/09/2020 22:45	167156
Surr: 4-Bromofluorobenzene	*	80-120		**102.1**	%REC	1	07/09/2020 22:45	167156
Surr: Dibromofluoromethane	*	80-120		**100.9**	%REC	1	07/09/2020 22:45	167156
Surr: Toluene-d8	*	80-120		**100.0**	%REC	1	07/09/2020 22:45	167156

Client: ERM
Work Order: 20070538
Client Project: Champaign GW
Report Date: 21-Jul-2020
Lab ID: 20070538-033
Client Sample ID: TB-01-WQ-202007
Matrix: TRIP BLANK
Collection Date: 07/09/2020 9:35

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	07/09/2020 23:13	167156
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:13	167156
Toluene	NELAP	2.0		**ND**	µg/L	1	07/09/2020 23:13	167156
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	07/09/2020 23:13	167156
Surr: 1,2-Dichloroethane-d4	*	80-120		**106.3**	%REC	1	07/09/2020 23:13	167156
Surr: 4-Bromofluorobenzene	*	80-120		**104.0**	%REC	1	07/09/2020 23:13	167156
Surr: Dibromofluoromethane	*	80-120		**101.4**	%REC	1	07/09/2020 23:13	167156
Surr: Toluene-d8	*	80-120		**101.1**	%REC	1	07/09/2020 23:13	167156

Client: ERM
Client Project: Champaign GW

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Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
20070538-001	UMW-102-WG-20200706	Groundwater	4	07/06/2020 16:15
20070538-002	UMW-105-WG-20200708	Groundwater	4	07/08/2020 15:45
20070538-003	UMW-106R-WG-20200707	Groundwater	4	07/07/2020 18:30
20070538-004	UMW-107R-WG-20200707	Groundwater	4	07/07/2020 17:10
20070538-005	UMW-108-WG-20200707	Groundwater	4	07/07/2020 11:30
20070538-006	UMW-109-WG-20200707	Groundwater	4	07/07/2020 10:40
20070538-007	UMW-111A-WG-20200707	Groundwater	4	07/07/2020 8:40
20070538-008	UMW-116-WG-20200707	Groundwater	4	07/07/2020 14:20
20070538-009	UMW-117-WG-20200707	Groundwater	4	07/07/2020 12:50
20070538-010	UMW-118-WG-20200707	Groundwater	4	07/07/2020 12:20
20070538-011	UMW-119-WG-20200706	Groundwater	4	07/06/2020 18:55
20070538-012	UMW-120-WG-20200706	Groundwater	4	07/06/2020 17:50
20070538-013	UMW-121-WG-20200708	Groundwater	4	07/08/2020 14:00
20070538-014	UMW-122-WG-20200707	Groundwater	4	07/07/2020 16:30
20070538-015	UMW-123-WG-20200707	Groundwater	4	07/07/2020 17:30
20070538-016	UMW-124-WG-20200708	Groundwater	4	07/08/2020 15:20
20070538-017	UMW-125-WG-20200708	Groundwater	4	07/08/2020 8:30
20070538-018	UMW-126-WG-20200708	Groundwater	4	07/08/2020 14:20
20070538-019	UMW-127-WG-20200708	Groundwater	4	07/08/2020 10:50
20070538-020	UMW-300-WG-20200707	Groundwater	4	07/07/2020 10:00
20070538-021	UMW-301R-WG-20200708	Groundwater	4	07/08/2020 12:00
20070538-022	UMW-302-WG-20200708	Groundwater	4	07/08/2020 12:45
20070538-023	UMW-303-WG-20200707	Groundwater	4	07/07/2020 14:30
20070538-024	UMW-304R-WG-20200708	Groundwater	4	07/08/2020 9:30
20070538-025	UMW-305-WG-20200708	Groundwater	4	07/08/2020 11:10
20070538-026	UMW-306-WG-20200708	Groundwater	4	07/08/2020 9:45
20070538-027	UMW-307-WG-20200708	Groundwater	4	07/08/2020 8:30
20070538-028	UMW-308-WG-20200708	Groundwater	4	07/08/2020 13:05
20070538-029	DUP 001-WG-20200708	Groundwater	4	07/08/2020 0:00
20070538-030	DUP 002-WG-20200708	Groundwater	4	07/08/2020 0:00
20070538-031	DUP 003-WG-20200708	Groundwater	4	07/08/2020 0:00
20070538-032	EB-01-WQ-20200707	Aqueous	4	07/07/2020 14:45
20070538-033	TB-01-WQ-202007	Trip Blank	1	07/09/2020 9:35

Client: ERM **Work Order:** 20070538

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20070538-001A	UMW-102-WG-20200706	07/06/2020 16:15	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 11:36
20070538-001B	UMW-102-WG-20200706	07/06/2020 16:15	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 17:35
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 8:53
20070538-001C	UMW-102-WG-20200706	07/06/2020 16:15	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 11:56
20070538-001D	UMW-102-WG-20200706	07/06/2020 16:15	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 14:42
20070538-002A	UMW-105-WG-20200708	07/08/2020 15:45	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 12:18
20070538-002B	UMW-105-WG-20200708	07/08/2020 15:45	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 19:39
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 10:56
20070538-002C	UMW-105-WG-20200708	07/08/2020 15:45	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 14:14
20070538-002D	UMW-105-WG-20200708	07/08/2020 15:45	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 15:10
20070538-003A	UMW-106R-WG-20200707	07/07/2020 18:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 13:00
20070538-003B	UMW-106R-WG-20200707	07/07/2020 18:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 17:39
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:00
20070538-003C	UMW-106R-WG-20200707	07/07/2020 18:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 14:23
20070538-003D	UMW-106R-WG-20200707	07/07/2020 18:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 15:38
20070538-004A	UMW-107R-WG-20200707	07/07/2020 17:10	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 13:43
20070538-004B	UMW-107R-WG-20200707	07/07/2020 17:10	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 17:57
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:03
20070538-004C	UMW-107R-WG-20200707	07/07/2020 17:10	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 15:41
20070538-004D	UMW-107R-WG-20200707	07/07/2020 17:10	07/09/2020 9:35		

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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				07/09/2020 16:05
20070538-005A	UMW-108-WG-20200707	07/07/2020 11:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 14:26
20070538-005B	UMW-108-WG-20200707	07/07/2020 11:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 17:43
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:05
20070538-005C	UMW-108-WG-20200707	07/07/2020 11:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 14:31
20070538-005D	UMW-108-WG-20200707	07/07/2020 11:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 16:33
20070538-006A	UMW-109-WG-20200707	07/07/2020 10:40	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 15:09
20070538-006B	UMW-109-WG-20200707	07/07/2020 10:40	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:08
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:07
20070538-006C	UMW-109-WG-20200707	07/07/2020 10:40	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 14:36
20070538-006D	UMW-109-WG-20200707	07/07/2020 10:40	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 17:02
20070538-007A	UMW-111A-WG-20200707	07/07/2020 8:40	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 15:52
20070538-007B	UMW-111A-WG-20200707	07/07/2020 8:40	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:12
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:09
20070538-007C	UMW-111A-WG-20200707	07/07/2020 8:40	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 12:30
20070538-007D	UMW-111A-WG-20200707	07/07/2020 8:40	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 17:30
20070538-008A	UMW-116-WG-20200707	07/07/2020 14:20	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 16:35
20070538-008B	UMW-116-WG-20200707	07/07/2020 14:20	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:16
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:12
20070538-008C	UMW-116-WG-20200707	07/07/2020 14:20	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 14:40

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20070538-008D	UMW-116-WG-20200707	07/07/2020 14:20	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 17:58
20070538-009A	UMW-117-WG-20200707	07/07/2020 12:50	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/10/2020 17:17
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 16:32	07/14/2020 15:52
20070538-009B	UMW-117-WG-20200707	07/07/2020 12:50	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:19
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:14
20070538-009C	UMW-117-WG-20200707	07/07/2020 12:50	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 15:06
20070538-009D	UMW-117-WG-20200707	07/07/2020 12:50	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 21:10
20070538-010A	UMW-118-WG-20200707	07/07/2020 12:20	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/10/2020 18:01
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 16:35
20070538-010B	UMW-118-WG-20200707	07/07/2020 12:20	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:23
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:16
20070538-010C	UMW-118-WG-20200707	07/07/2020 12:20	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 15:10
20070538-010D	UMW-118-WG-20200707	07/07/2020 12:20	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 21:37
20070538-011A	UMW-119-WG-20200706	07/06/2020 18:55	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/10/2020 18:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 17:18
20070538-011B	UMW-119-WG-20200706	07/06/2020 18:55	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:27
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/21/2020 8:14	07/21/2020 12:49
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:18
20070538-011C	UMW-119-WG-20200706	07/06/2020 18:55	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 15:19
20070538-011D	UMW-119-WG-20200706	07/06/2020 18:55	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 22:04
20070538-012A	UMW-120-WG-20200706	07/06/2020 17:50	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/15/2020 0:14

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20070538-012B	UMW-120-WG-20200706	07/06/2020 17:50	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:30
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:21
20070538-012C	UMW-120-WG-20200706	07/06/2020 17:50	07/09/2020 9:35		
	SW-846 9012A (Total)			07/09/2020 18:03	07/10/2020 15:23
20070538-012D	UMW-120-WG-20200706	07/06/2020 17:50	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 22:31
20070538-013A	UMW-121-WG-20200708	07/08/2020 14:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 10:52
20070538-013B	UMW-121-WG-20200708	07/08/2020 14:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 19:43
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 10:59
20070538-013C	UMW-121-WG-20200708	07/08/2020 14:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 13:04
20070538-013D	UMW-121-WG-20200708	07/08/2020 14:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 22:58
20070538-014A	UMW-122-WG-20200707	07/07/2020 16:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 11:34
20070538-014B	UMW-122-WG-20200707	07/07/2020 16:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:45
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:33
20070538-014C	UMW-122-WG-20200707	07/07/2020 16:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:23
20070538-014D	UMW-122-WG-20200707	07/07/2020 16:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 23:25
20070538-015A	UMW-123-WG-20200707	07/07/2020 17:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 12:16
20070538-015B	UMW-123-WG-20200707	07/07/2020 17:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:49
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:35
20070538-015C	UMW-123-WG-20200707	07/07/2020 17:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:28
20070538-015D	UMW-123-WG-20200707	07/07/2020 17:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 23:51
20070538-016A	UMW-124-WG-20200708	07/08/2020 15:20	07/09/2020 9:35		

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/10/2020 23:35
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 18:01
20070538-016B	UMW-124-WG-20200708	07/08/2020 15:20	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 19:46
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:01
20070538-016C	UMW-124-WG-20200708	07/08/2020 15:20	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:32
20070538-016D	UMW-124-WG-20200708	07/08/2020 15:20	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 0:18
20070538-017A	UMW-125-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 12:59
20070538-017B	UMW-125-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 19:50
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:03
20070538-017C	UMW-125-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:41
20070538-017D	UMW-125-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 0:45
20070538-018A	UMW-126-WG-20200708	07/08/2020 14:20	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 13:42
20070538-018B	UMW-126-WG-20200708	07/08/2020 14:20	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 19:54
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:05
20070538-018C	UMW-126-WG-20200708	07/08/2020 14:20	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:45
20070538-018D	UMW-126-WG-20200708	07/08/2020 14:20	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 1:12
20070538-019A	UMW-127-WG-20200708	07/08/2020 10:50	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 14:25
20070538-019B	UMW-127-WG-20200708	07/08/2020 10:50	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:08
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:12
20070538-019C	UMW-127-WG-20200708	07/08/2020 10:50	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 10:49
20070538-019D	UMW-127-WG-20200708	07/08/2020 10:50	07/09/2020 9:35		

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-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				07/10/2020 1:39
20070538-020A	UMW-300-WG-20200707	07/07/2020 10:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 17:23
20070538-020B	UMW-300-WG-20200707	07/07/2020 10:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:52
	SW-846 7470A (Total)			07/09/2020 16:25	07/10/2020 9:42
20070538-020C	UMW-300-WG-20200707	07/07/2020 10:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:15
20070538-020D	UMW-300-WG-20200707	07/07/2020 10:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:06
20070538-021A	UMW-301R-WG-20200708	07/08/2020 12:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 18:05
20070538-021B	UMW-301R-WG-20200708	07/08/2020 12:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:12
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:19
20070538-021C	UMW-301R-WG-20200708	07/08/2020 12:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:20
20070538-021D	UMW-301R-WG-20200708	07/08/2020 12:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:32
20070538-022A	UMW-302-WG-20200708	07/08/2020 12:45	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 18:46
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/15/2020 11:38
20070538-022B	UMW-302-WG-20200708	07/08/2020 12:45	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:16
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:22
20070538-022C	UMW-302-WG-20200708	07/08/2020 12:45	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 13:08
20070538-022D	UMW-302-WG-20200708	07/08/2020 12:45	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:59
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 15:29
20070538-023A	UMW-303-WG-20200707	07/07/2020 14:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 19:28
20070538-023B	UMW-303-WG-20200707	07/07/2020 14:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 18:56
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:24

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
20070538-023C	UMW-303-WG-20200707	07/07/2020 14:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:33
20070538-023D	UMW-303-WG-20200707	07/07/2020 14:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 3:26
20070538-024A	UMW-304R-WG-20200708	07/08/2020 9:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 20:09
20070538-024B	UMW-304R-WG-20200708	07/08/2020 9:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:19
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:26
20070538-024C	UMW-304R-WG-20200708	07/08/2020 9:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:37
20070538-024D	UMW-304R-WG-20200708	07/08/2020 9:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 0:10
20070538-025A	UMW-305-WG-20200708	07/08/2020 11:10	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/09/2020 19:02	07/14/2020 15:09
20070538-025B	UMW-305-WG-20200708	07/08/2020 11:10	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:23
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:28
20070538-025C	UMW-305-WG-20200708	07/08/2020 11:10	07/09/2020 9:35		
	SW-846 9012A (Total)			07/14/2020 19:25	07/15/2020 8:59
20070538-025D	UMW-305-WG-20200708	07/08/2020 11:10	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 3:52
20070538-026A	UMW-306-WG-20200708	07/08/2020 9:45	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 20:50
20070538-026B	UMW-306-WG-20200708	07/08/2020 9:45	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:34
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:35
20070538-026C	UMW-306-WG-20200708	07/08/2020 9:45	07/09/2020 9:35		
	SW-846 9012A (Total)			07/14/2020 19:25	07/15/2020 9:16
20070538-026D	UMW-306-WG-20200708	07/08/2020 9:45	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 0:38
20070538-027A	UMW-307-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 10:09	07/13/2020 22:52
20070538-027B	UMW-307-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 20:56

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:47
20070538-027C	UMW-307-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:41
20070538-027D	UMW-307-WG-20200708	07/08/2020 8:30	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:02
20070538-028A	UMW-308-WG-20200708	07/08/2020 13:05	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/13/2020 23:33
20070538-028B	UMW-308-WG-20200708	07/08/2020 13:05	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 21:00
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:50
20070538-028C	UMW-308-WG-20200708	07/08/2020 13:05	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:46
20070538-028D	UMW-308-WG-20200708	07/08/2020 13:05	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:29
20070538-029A	DUP 001-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/14/2020 0:13
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/15/2020 0:54
20070538-029B	DUP 001-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 21:03
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:52
20070538-029C	DUP 001-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:54
20070538-029D	DUP 001-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 2:57
20070538-030A	DUP 002-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/14/2020 0:54
20070538-030B	DUP 002-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 21:07
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:55
20070538-030C	DUP 002-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 11:59
20070538-030D	DUP 002-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 3:26
20070538-031A	DUP 003-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/14/2020 1:35

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/15/2020 1:35
20070538-031B	DUP 003-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:09	07/14/2020 21:11
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:57
20070538-031C	DUP 003-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 13:12
20070538-031D	DUP 003-WG-20200708	07/08/2020 0:00	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/10/2020 15:56
20070538-032A	EB-01-WQ-20200707	07/07/2020 14:45	07/09/2020 9:35		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			07/10/2020 12:58	07/14/2020 10:10
20070538-032B	EB-01-WQ-20200707	07/07/2020 14:45	07/09/2020 9:35		
	SW-846 3005A, 6010B, Metals by ICP (Total)			07/10/2020 14:06	07/13/2020 19:00
	SW-846 7470A (Total)			07/10/2020 20:04	07/13/2020 11:59
20070538-032C	EB-01-WQ-20200707	07/07/2020 14:45	07/09/2020 9:35		
	SW-846 9012A (Total)			07/10/2020 17:47	07/13/2020 12:29
20070538-032D	EB-01-WQ-20200707	07/07/2020 14:45	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 22:45
20070538-033A	TB-01-WQ-202007	07/09/2020 9:35	07/09/2020 9:35		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				07/09/2020 23:13

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

SW-846 9012A (TOTAL)

Batch 167133 **SampType:** MBLK Units **mg/L**
SampID: MBLK 200709 TCN1

Analyses	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	07/10/2020

Batch 167133 **SampType:** LCS Units **mg/L**
SampID: LCS 200709 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.023**	0.0250	0	93.1	90	110	07/10/2020

Batch 167133 **SampType:** MS Units **mg/L**
SampID: 20070538-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.023**	0.0250	0	91.8	75	125	07/10/2020

Batch 167133 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20070538-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.021**	0.0250	0	84.5	0.02294	8.21	07/10/2020

Batch 167134 **SampType:** MBLK Units **mg/L**
SampID: MBLK 200709 TCN2

Analyses	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	07/10/2020

Batch 167134 **SampType:** LCS Units **mg/L**
SampID: LCS 200709 TCN2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.023**	0.0250	0	93.0	85	115	07/10/2020

Batch 167134 **SampType:** MS Units **mg/L**
SampID: 20070538-007CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.024**	0.0250	0	95.2	75	125	07/10/2020

Batch 167134 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20070538-007CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.024**	0.0250	0	95.5	0.02380	0.34	07/10/2020

Batch 167183 **SampType:** MBLK Units **mg/L**
SampID: MBLK 200710 TCN1

Analyses	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	07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

SW-846 9012A (TOTAL)

Batch 167183 **SampType: LCS** Units **mg/L**

SampID: LCS 200710 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.025**	0.0250	0	100.4	85	115	07/13/2020

Batch 167286 **SampType: MBLK** Units **mg/L**

SampID: MBLK 200714 TCN1

Analyses	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	07/15/2020

Batch 167286 **SampType: LCS** Units **mg/L**

SampID: LCS 200714 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.023**	0.0250	0	90.8	90	110	07/15/2020

Batch 167286 **SampType: MS** Units **mg/L**

SampID: 20070538-025CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005	S	**0.028**	0.0250	0.009780	71.4	75	125	07/15/2020

Batch 167286 **SampType: MSD** Units **mg/L** RPD Limit **15**

SampID: 20070538-025CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.031**	0.0250	0.009780	86.9	0.02764	13.04	07/15/2020

Batch 167286 **SampType: MS** Units **mg/L**

SampID: 20070538-026CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005	S	**0.022**	0.0250	0.01057	46.3	75	125	07/15/2020

Batch 167286 **SampType: MSD** Units **mg/L** RPD Limit **15**

SampID: 20070538-026CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005	R	**0.036**	0.0250	0.01057	100.6	0.02214	46.97	07/15/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167181 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167181

Analyses	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	07/13/2020
Barium	0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/13/2020
Cadmium	0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/13/2020
Chromium	0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/13/2020
Lead	0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/13/2020
Selenium	0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/13/2020
Silver	0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/13/2020

Batch 167181 **SampType:** LCS Units **mg/L**

SampID: LCS-167181

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.535**	0.5000	0	107.0	85	115	07/13/2020
Barium	0.0025		**2.05**	2.000	0	102.4	85	115	07/13/2020
Cadmium	0.0020		**0.0508**	0.0500	0	101.6	85	115	07/13/2020
Chromium	0.0050		**0.203**	0.2000	0	101.4	85	115	07/13/2020
Lead	0.0150		**0.514**	0.5000	0	102.8	85	115	07/13/2020
Selenium	0.0400		**0.506**	0.5000	0	101.1	85	115	07/13/2020
Silver	0.0070		**0.0505**	0.0500	0	101.0	85	115	07/13/2020

Batch 167181 **SampType:** MS Units **mg/L**

SampID: 20070538-004BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.552**	0.5000	0	110.3	75	125	07/13/2020
Barium	0.0025		**2.19**	2.000	0.1260	103.2	75	125	07/13/2020
Cadmium	0.0020		**0.0498**	0.0500	0	99.6	75	125	07/13/2020
Chromium	0.0050		**0.204**	0.2000	0	102.1	75	125	07/13/2020
Lead	0.0150		**0.507**	0.5000	0	101.3	75	125	07/13/2020
Selenium	0.0400		**0.505**	0.5000	0	101.0	75	125	07/13/2020
Silver	0.0070		**0.0519**	0.0500	0	103.8	75	125	07/13/2020

Batch 167181 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20070538-004BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.549**	0.5000	0	109.9	0.5515	0.40	07/13/2020
Barium	0.0025		**2.20**	2.000	0.1260	103.6	2.190	0.41	07/13/2020
Cadmium	0.0020		**0.0502**	0.0500	0	100.4	0.04980	0.80	07/13/2020
Chromium	0.0050		**0.206**	0.2000	0	102.8	0.2042	0.73	07/13/2020
Lead	0.0150		**0.511**	0.5000	0	102.1	0.5067	0.75	07/13/2020
Selenium	0.0400		**0.508**	0.5000	0	101.6	0.5048	0.59	07/13/2020
Silver	0.0070		**0.0518**	0.0500	0	103.6	0.05190	0.19	07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167182 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167182

Analyses	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	07/14/2020
Barium	0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/14/2020
Cadmium	0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/14/2020
Chromium	0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/14/2020
Lead	0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/14/2020
Selenium	0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/14/2020
Silver	0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/14/2020

Batch 167182 **SampType:** LCS Units **mg/L**

SampID: LCS-167182

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.557**	0.5000	0	111.5	85	115	07/14/2020
Barium	0.0025		**2.10**	2.000	0	105.2	85	115	07/14/2020
Cadmium	0.0020		**0.0521**	0.0500	0	104.2	85	115	07/14/2020
Chromium	0.0050		**0.208**	0.2000	0	103.8	85	115	07/14/2020
Lead	0.0150		**0.528**	0.5000	0	105.6	85	115	07/14/2020
Selenium	0.0400		**0.532**	0.5000	0	106.3	85	115	07/14/2020
Silver	0.0070		**0.0520**	0.0500	0	104.0	85	115	07/14/2020

Batch 167182 **SampType:** MS Units **mg/L**

SampID: 20070538-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.573**	0.5000	0	114.6	75	125	07/14/2020
Barium	0.0025		**2.27**	2.000	0.1037	108.2	75	125	07/14/2020
Cadmium	0.0020		**0.0529**	0.0500	0	105.8	75	125	07/14/2020
Chromium	0.0050		**0.212**	0.2000	0	106.0	75	125	07/14/2020
Lead	0.0150		**0.535**	0.5000	0	107.1	75	125	07/14/2020
Selenium	0.0400		**0.549**	0.5000	0	109.8	75	125	07/14/2020
Silver	0.0070		**0.0539**	0.0500	0	107.8	75	125	07/14/2020

Batch 167182 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20070538-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.556**	0.5000	0	111.1	0.5730	3.08	07/14/2020
Barium	0.0025		**2.22**	2.000	0.1037	105.7	2.267	2.23	07/14/2020
Cadmium	0.0020		**0.0519**	0.0500	0	103.8	0.05290	1.91	07/14/2020
Chromium	0.0050		**0.207**	0.2000	0	103.3	0.2119	2.53	07/14/2020
Lead	0.0150		**0.528**	0.5000	0	105.6	0.5353	1.37	07/14/2020
Selenium	0.0400		**0.530**	0.5000	0	105.9	0.5491	3.62	07/14/2020
Silver	0.0070		**0.0525**	0.0500	0	105.0	0.05390	2.63	07/14/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167182 **SampType:** MS Units **mg/L**

SampID: 20070538-026BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.559**	0.5000	0	111.8	75	125	07/14/2020
Barium	0.0025		**2.23**	2.000	0.1159	105.7	75	125	07/14/2020
Cadmium	0.0020		**0.0522**	0.0500	0	104.4	75	125	07/14/2020
Chromium	0.0050		**0.207**	0.2000	0	103.6	75	125	07/14/2020
Lead	0.0150		**0.528**	0.5000	0	105.6	75	125	07/14/2020
Selenium	0.0400		**0.527**	0.5000	0	105.4	75	125	07/14/2020
Silver	0.0070		**0.0529**	0.0500	0	105.8	75	125	07/14/2020

Batch 167182 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 20070538-026BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.579**	0.5000	0	115.8	0.5591	3.46	07/14/2020
Barium	0.0025		**2.30**	2.000	0.1159	109.2	2.230	3.09	07/14/2020
Cadmium	0.0020		**0.0534**	0.0500	0	106.8	0.05220	2.27	07/14/2020
Chromium	0.0050		**0.214**	0.2000	0	107.0	0.2071	3.32	07/14/2020
Lead	0.0150		**0.542**	0.5000	0	108.4	0.5280	2.60	07/14/2020
Selenium	0.0400		**0.544**	0.5000	0	108.9	0.5272	3.19	07/14/2020
Silver	0.0070		**0.0544**	0.0500	0	108.8	0.05290	2.80	07/14/2020

Batch 167422 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167422

Analyses	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	07/20/2020
Barium	0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/20/2020
Cadmium	0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/20/2020
Chromium	0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/20/2020
Lead	0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/20/2020
Selenium	0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/20/2020
Silver	0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/20/2020

Batch 167422 **SampType:** LCS Units **mg/L**

SampID: LCS-167422

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.573**	0.5000	0	114.7	85	115	07/20/2020
Barium	0.0025		**2.07**	2.000	0	103.4	85	115	07/20/2020
Cadmium	0.0020		**0.0534**	0.0500	0	106.8	85	115	07/20/2020
Chromium	0.0050		**0.210**	0.2000	0	105.0	85	115	07/20/2020
Lead	0.0150		**0.539**	0.5000	0	107.8	85	115	07/20/2020
Selenium	0.0400		**0.559**	0.5000	0	111.7	85	115	07/20/2020
Silver	0.0070		**0.0521**	0.0500	0	104.2	85	115	07/20/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167494 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167494

Analyses	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	07/21/2020
Barium	0.0025		**< 0.0025**	0.0007	0	0	-100	100	07/21/2020
Cadmium	0.0020		**< 0.0020**	0.0005	0	0	-100	100	07/21/2020
Chromium	0.0050		**< 0.0050**	0.0028	0	0	-100	100	07/21/2020
Lead	0.0150		**< 0.0150**	0.0040	0	0	-100	100	07/21/2020
Selenium	0.0400		**< 0.0400**	0.0170	0	0	-100	100	07/21/2020
Silver	0.0070		**< 0.0070**	0.0027	0	0	-100	100	07/21/2020

Batch 167494 **SampType:** LCS Units **mg/L**

SampID: LCS-167494

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Barium	0.0025		**2.09**	2.000	0	104.7	85	115	07/21/2020
Cadmium	0.0020		**0.0543**	0.0500	0	108.6	85	115	07/21/2020
Chromium	0.0050		**0.209**	0.2000	0	104.7	85	115	07/21/2020
Lead	0.0150		**0.546**	0.5000	0	109.3	85	115	07/21/2020
Selenium	0.0400		**0.558**	0.5000	0	111.6	85	115	07/21/2020
Silver	0.0070		**0.0519**	0.0500	0	103.8	85	115	07/21/2020

Batch 167494 **SampType:** DUP Units **mg/L** RPD Limit **20**

SampID: 20070538-011BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Chromium	0.0050		**< 0.0050**				0	0.00	07/21/2020

SW-846 7470A (TOTAL)

Batch 167142 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167142

Analyses	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	07/10/2020

Batch 167142 **SampType:** LCS Units **mg/L**

SampID: LCS-167142

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00484**	0.0050	0	96.9	85	115	07/10/2020

Batch 167142 **SampType:** MS Units **mg/L**

SampID: 20070538-012BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00484**	0.0050	0	96.7	75	125	07/10/2020

Batch 167142 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 20070538-012BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00497**	0.0050	0	99.5	0.004835	2.80	07/10/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

SW-846 7470A (TOTAL)

Batch 167142 **SampType:** MS Units **mg/L**
SampID: 20070538-015BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00475**	0.0050	0	95.0	75	125	07/10/2020

Batch 167142 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20070538-015BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00461**	0.0050	0	92.1	0.004750	3.07	07/10/2020

Batch 167198 **SampType:** MBLK Units **mg/L**
SampID: MBLK-167198

Analyses	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	07/13/2020

Batch 167198 **SampType:** LCS Units **mg/L**
SampID: LCS-167198

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00499**	0.0050	0	99.8	85	115	07/13/2020

Batch 167198 **SampType:** MS Units **mg/L**
SampID: 20070538-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00514**	0.0050	0	102.7	75	125	07/13/2020

Batch 167198 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20070538-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00513**	0.0050	0	102.7	0.005136	0.06	07/13/2020

Batch 167198 **SampType:** MS Units **mg/L**
SampID: 20070538-026BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00520**	0.0050	0	103.9	75	125	07/13/2020

Batch 167198 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 20070538-026BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00514**	0.0050	0	102.8	0.005195	1.12	07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167143 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167143

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						07/10/2020
Acenaphthylene	0.000100		**ND**						07/10/2020
Anthracene	0.000300		**ND**						07/10/2020
Benzo(a)anthracene	0.000100		**ND**						07/10/2020
Benzo(a)pyrene	0.000100		**ND**						07/10/2020
Benzo(b)fluoranthene	0.000100		**ND**						07/10/2020
Benzo(g,h,i)perylene	0.000200		**ND**						07/10/2020
Benzo(k)fluoranthene	0.000100		**ND**						07/10/2020
Chrysene	0.000100		**ND**						07/10/2020
Dibenzo(a,h)anthracene	0.000100		**ND**						07/10/2020
Fluoranthene	0.000300		**ND**						07/10/2020
Fluorene	0.000200		**ND**						07/10/2020
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						07/10/2020
Naphthalene	0.000400		**ND**						07/10/2020
Phenanthrene	0.000600		**ND**						07/10/2020
Pyrene	0.000200		**ND**						07/10/2020
Surr: 2-Fluorobiphenyl			**0.000851**	0.0010		85.1	51.8	120	07/10/2020
Surr: Nitrobenzene-d5			**0.000868**	0.0010		86.8	48.3	123	07/10/2020
Surr: p-Terphenyl-d14			**0.00106**	0.0010		106.3	67.1	164	07/10/2020

Batch 167143 **SampType:** LCS Units **mg/L**

SampID: LCS-167143

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00172**	0.0020	0	85.9	47.2	128	07/10/2020
Acenaphthylene	0.000100		**0.00175**	0.0020	0	87.5	56	129	07/10/2020
Anthracene	0.000300		**0.00172**	0.0020	0	85.8	53.6	131	07/10/2020
Benzo(a)anthracene	0.000100		**0.00169**	0.0020	0	84.4	52.4	138	07/10/2020
Benzo(a)pyrene	0.000100		**0.00194**	0.0020	0	97.0	76.3	154	07/10/2020
Benzo(b)fluoranthene	0.000100		**0.00186**	0.0020	0	93.0	61.3	170	07/10/2020
Benzo(g,h,i)perylene	0.000200		**0.00199**	0.0020	0	99.4	65.3	138	07/10/2020
Benzo(k)fluoranthene	0.000100		**0.00188**	0.0020	0	94.2	61.9	126	07/10/2020
Chrysene	0.000100		**0.00186**	0.0020	0	92.9	59.6	127	07/10/2020
Dibenzo(a,h)anthracene	0.000100		**0.00216**	0.0020	0	107.9	68.4	166	07/10/2020
Fluoranthene	0.000300		**0.00187**	0.0020	0	93.5	66.7	131	07/10/2020
Fluorene	0.000200		**0.00183**	0.0020	0	91.7	54.6	132	07/10/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00209**	0.0020	0	104.6	63.2	154	07/10/2020
Naphthalene	0.000400		**0.00165**	0.0020	0	82.6	41.2	124	07/10/2020
Phenanthrene	0.000600		**0.00185**	0.0020	0	92.7	54	143	07/10/2020
Pyrene	0.000200		**0.00189**	0.0020	0	94.4	67.3	128	07/10/2020
Surr: 2-Fluorobiphenyl			**0.000849**	0.0010		84.9	51.8	120	07/10/2020
Surr: Nitrobenzene-d5			**0.000852**	0.0010		85.2	48.3	123	07/10/2020
Surr: p-Terphenyl-d14			**0.000981**	0.0010		98.1	67.1	164	07/10/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167143 **SampType: LCSD** Units **mg/L** RPD Limit **40**

SampID: LCSD-167143

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00162**	0.0020	0	81.1	0.001718	5.71	07/10/2020
Acenaphthylene	0.000100		**0.00165**	0.0020	0	82.5	0.001750	5.90	07/10/2020
Anthracene	0.000300		**0.00164**	0.0020	0	82.1	0.001715	4.38	07/10/2020
Benzo(a)anthracene	0.000100		**0.00154**	0.0020	0	77.1	0.001688	9.05	07/10/2020
Benzo(a)pyrene	0.000100		**0.00178**	0.0020	0	88.8	0.001941	8.84	07/10/2020
Benzo(b)fluoranthene	0.000100		**0.00157**	0.0020	0	78.5	0.001860	16.94	07/10/2020
Benzo(g,h,i)perylene	0.000200		**0.00183**	0.0020	0	91.6	0.001988	8.20	07/10/2020
Benzo(k)fluoranthene	0.000100		**0.00177**	0.0020	0	88.5	0.001884	6.21	07/10/2020
Chrysene	0.000100		**0.00171**	0.0020	0	85.5	0.001858	8.24	07/10/2020
Dibenzo(a,h)anthracene	0.000100		**0.00197**	0.0020	0	98.6	0.002158	9.01	07/10/2020
Fluoranthene	0.000300		**0.00175**	0.0020	0	87.7	0.001869	6.30	07/10/2020
Fluorene	0.000200		**0.00171**	0.0020	0	85.3	0.001835	7.23	07/10/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00191**	0.0020	0	95.7	0.002093	8.92	07/10/2020
Naphthalene	0.000400		**0.00152**	0.0020	0	75.8	0.001652	8.66	07/10/2020
Phenanthrene	0.000600		**0.00170**	0.0020	0	85.2	0.001855	8.43	07/10/2020
Pyrene	0.000200		**0.00176**	0.0020	0	88.1	0.001888	6.97	07/10/2020
Surr: 2-Fluorobiphenyl			**0.000813**	0.0010		81.3			07/10/2020
Surr: Nitrobenzene-d5			**0.000752**	0.0010		75.2			07/10/2020
Surr: p-Terphenyl-d14			**0.000930**	0.0010		93.0			07/10/2020

Batch 167143 **SampType: MS** Units **mg/L**

SampID: 20070538-025AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00150**	0.0020	0	75.1	28.3	133	07/11/2020
Acenaphthylene	0.000100		**0.00152**	0.0020	0	75.9	5	176	07/11/2020
Anthracene	0.000300		**0.00158**	0.0020	0	79.2	34.6	131	07/11/2020
Benzo(a)anthracene	0.000100		**0.00146**	0.0020	0	73.2	40.3	132	07/11/2020
Benzo(a)pyrene	0.000100		**0.00167**	0.0020	0	83.3	40.8	132	07/11/2020
Benzo(b)fluoranthene	0.000100		**0.00168**	0.0020	0	84.0	41.9	132	07/11/2020
Benzo(g,h,i)perylene	0.000200		**0.00172**	0.0020	0	86.2	46	132	07/11/2020
Benzo(k)fluoranthene	0.000100		**0.00160**	0.0020	0	80.0	49.4	126	07/11/2020
Chrysene	0.000100		**0.00163**	0.0020	0	81.3	46.1	129	07/11/2020
Dibenzo(a,h)anthracene	0.000100		**0.00190**	0.0020	0	95.1	42.1	146	07/11/2020
Fluoranthene	0.000300		**0.00174**	0.0020	0	87.1	23.9	164	07/11/2020
Fluorene	0.000200		**0.00164**	0.0020	0	82.2	24.3	148	07/11/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00186**	0.0020	0	92.8	26.6	157	07/11/2020
Naphthalene	0.000400		**0.00142**	0.0020	0	71.0	24.2	132	07/11/2020
Phenanthrene	0.000600		**0.00156**	0.0020	0	77.8	36.6	139	07/11/2020
Pyrene	0.000200		**0.00171**	0.0020	0	85.4	14.6	169	07/11/2020
Surr: 2-Fluorobiphenyl			**0.000881**	0.0010		88.1	21.4	142	07/11/2020
Surr: Nitrobenzene-d5			**0.000668**	0.0010		66.8	15	163	07/11/2020
Surr: p-Terphenyl-d14			**0.00103**	0.0010		103.2	10	173	07/11/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167143 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 20070538-025AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00155**	0.0020	0	77.4	0.001501	2.99	07/11/2020
Acenaphthylene	0.000100		**0.00159**	0.0020	0	79.5	0.001518	4.63	07/11/2020
Anthracene	0.000300		**0.00161**	0.0020	0	80.7	0.001584	1.90	07/11/2020
Benzo(a)anthracene	0.000100		**0.00154**	0.0020	0	76.9	0.001463	5.00	07/11/2020
Benzo(a)pyrene	0.000100		**0.00167**	0.0020	0	83.3	0.001666	0.03	07/11/2020
Benzo(b)fluoranthene	0.000100		**0.00155**	0.0020	0	77.6	0.001681	7.93	07/11/2020
Benzo(g,h,i)perylene	0.000200		**0.00176**	0.0020	0	88.2	0.001724	2.23	07/11/2020
Benzo(k)fluoranthene	0.000100		**0.00173**	0.0020	0	86.4	0.001601	7.68	07/11/2020
Chrysene	0.000100		**0.00168**	0.0020	0	84.0	0.001626	3.33	07/11/2020
Dibenzo(a,h)anthracene	0.000100		**0.00190**	0.0020	0	95.0	0.001902	0.14	07/11/2020
Fluoranthene	0.000300		**0.00174**	0.0020	0	87.2	0.001742	0.10	07/11/2020
Fluorene	0.000200		**0.00171**	0.0020	0	85.4	0.001644	3.75	07/11/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00180**	0.0020	0	90.2	0.001857	2.85	07/11/2020
Naphthalene	0.000400		**0.00143**	0.0020	0	71.6	0.001421	0.72	07/11/2020
Phenanthrene	0.000600		**0.00158**	0.0020	0	78.8	0.001556	1.31	07/11/2020
Pyrene	0.000200		**0.00172**	0.0020	0	86.2	0.001708	0.94	07/11/2020
Surr: 2-Fluorobiphenyl			**0.000866**	0.0010		86.6			07/11/2020
Surr: Nitrobenzene-d5			**0.000652**	0.0010		65.2			07/11/2020
Surr: p-Terphenyl-d14			**0.000991**	0.0010		99.1			07/11/2020

Batch 167175 **SampType:** MBLK Units **mg/L**

SampID: MBLK-167175

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						07/13/2020
Acenaphthylene	0.000100		**ND**						07/13/2020
Anthracene	0.000300		**ND**						07/13/2020
Benzo(a)anthracene	0.000100		**ND**						07/13/2020
Benzo(a)pyrene	0.000100		**ND**						07/13/2020
Benzo(b)fluoranthene	0.000100		**ND**						07/13/2020
Benzo(g,h,i)perylene	0.000200		**ND**						07/13/2020
Benzo(k)fluoranthene	0.000100		**ND**						07/13/2020
Chrysene	0.000100		**ND**						07/13/2020
Dibenzo(a,h)anthracene	0.000100		**ND**						07/13/2020
Fluoranthene	0.000300		**ND**						07/13/2020
Fluorene	0.000200		**ND**						07/13/2020
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						07/13/2020
Naphthalene	0.000400		**ND**						07/13/2020
Phenanthrene	0.000600		**ND**						07/13/2020
Pyrene	0.000200		**ND**						07/13/2020
Surr: p-Terphenyl-d14			**0.00103**	0.0010		102.9	67.1	164	07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167175 **SampType:** LCS Units **mg/L**

SampID: LCS-167175

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00155**	0.0020	0	77.3	47.2	128	07/13/2020
Acenaphthylene	0.000100		**0.00158**	0.0020	0	78.8	56	129	07/13/2020
Anthracene	0.000300		**0.00156**	0.0020	0	77.8	53.6	131	07/13/2020
Benzo(a)anthracene	0.000100		**0.00152**	0.0020	0	76.0	52.4	138	07/13/2020
Benzo(a)pyrene	0.000100		**0.00170**	0.0020	0	85.0	76.3	154	07/13/2020
Benzo(b)fluoranthene	0.000100		**0.00172**	0.0020	0	86.1	61.3	170	07/13/2020
Benzo(g,h,i)perylene	0.000200		**0.00175**	0.0020	0	87.5	65.3	138	07/13/2020
Benzo(k)fluoranthene	0.000100		**0.00176**	0.0020	0	88.0	61.9	126	07/13/2020
Chrysene	0.000100		**0.00162**	0.0020	0	81.1	59.6	127	07/13/2020
Dibenzo(a,h)anthracene	0.000100		**0.00186**	0.0020	0	93.2	68.4	166	07/13/2020
Fluoranthene	0.000300		**0.00177**	0.0020	0	88.3	66.7	131	07/13/2020
Fluorene	0.000200		**0.00173**	0.0020	0	86.4	54.6	132	07/13/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00184**	0.0020	0	91.8	63.2	154	07/13/2020
Naphthalene	0.000400		**0.00144**	0.0020	0	71.8	41.2	124	07/13/2020
Phenanthrene	0.000600		**0.00173**	0.0020	0	86.6	54	143	07/13/2020
Pyrene	0.000200		**0.00170**	0.0020	0	85.0	67.3	128	07/13/2020
Surr: p-Terphenyl-d14			**0.00111**	0.0010		111.0	67.1	164	07/13/2020

Batch 167175 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-167175

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00136**	0.0020	0	68.2	0.001547	12.58	07/13/2020
Acenaphthylene	0.000100		**0.00142**	0.0020	0	70.9	0.001577	10.56	07/13/2020
Anthracene	0.000300		**0.00139**	0.0020	0	69.6	0.001556	11.12	07/13/2020
Benzo(a)anthracene	0.000100		**0.00132**	0.0020	0	65.8	0.001521	14.42	07/13/2020
Benzo(a)pyrene	0.000100	S	**0.00151**	0.0020	0	75.3	0.001700	12.13	07/13/2020
Benzo(b)fluoranthene	0.000100		**0.00149**	0.0020	0	74.6	0.001722	14.31	07/13/2020
Benzo(g,h,i)perylene	0.000200		**0.00156**	0.0020	0	77.9	0.001749	11.62	07/13/2020
Benzo(k)fluoranthene	0.000100		**0.00155**	0.0020	0	77.7	0.001761	12.46	07/13/2020
Chrysene	0.000100		**0.00145**	0.0020	0	72.7	0.001622	10.98	07/13/2020
Dibenzo(a,h)anthracene	0.000100		**0.00177**	0.0020	0	88.4	0.001865	5.32	07/13/2020
Fluoranthene	0.000300		**0.00158**	0.0020	0	79.2	0.001765	10.82	07/13/2020
Fluorene	0.000200		**0.00151**	0.0020	0	75.6	0.001729	13.43	07/13/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00162**	0.0020	0	81.2	0.001836	12.22	07/13/2020
Naphthalene	0.000400		**0.00126**	0.0020	0	62.9	0.001435	13.11	07/13/2020
Phenanthrene	0.000600		**0.00156**	0.0020	0	77.8	0.001732	10.74	07/13/2020
Pyrene	0.000200		**0.00154**	0.0020	0	77.1	0.001699	9.74	07/13/2020
Surr: p-Terphenyl-d14			**0.00101**	0.0010		100.7			07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167175 **SampType:** MS Units **mg/L**

SampID: 20070538-026AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00150**	0.0020	0	75.1	28.3	133	07/13/2020
Acenaphthylene	0.000100		**0.00151**	0.0020	0	75.5	5	176	07/13/2020
Anthracene	0.000300		**0.00158**	0.0020	0	79.1	34.6	131	07/13/2020
Benzo(a)anthracene	0.000100		**0.00145**	0.0020	0	72.7	40.3	132	07/13/2020
Benzo(a)pyrene	0.000100		**0.00161**	0.0020	0	80.7	40.8	132	07/13/2020
Benzo(b)fluoranthene	0.000100		**0.00157**	0.0020	0	78.6	41.9	132	07/13/2020
Benzo(g,h,i)perylene	0.000200		**0.00171**	0.0020	0	85.4	46	132	07/13/2020
Benzo(k)fluoranthene	0.000100		**0.00164**	0.0020	0	82.0	49.4	126	07/13/2020
Chrysene	0.000100		**0.00156**	0.0020	0	77.8	46.1	129	07/13/2020
Dibenzo(a,h)anthracene	0.000100		**0.00186**	0.0020	0	92.9	42.1	146	07/13/2020
Fluoranthene	0.000300		**0.00171**	0.0020	0	85.7	23.9	164	07/13/2020
Fluorene	0.000200		**0.00162**	0.0020	0	81.0	24.3	148	07/13/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00179**	0.0020	0	89.4	26.6	157	07/13/2020
Naphthalene	0.000400		**0.00141**	0.0020	0	70.4	24.2	132	07/13/2020
Phenanthrene	0.000600		**0.00165**	0.0020	0	82.6	36.6	139	07/13/2020
Pyrene	0.000200		**0.00169**	0.0020	0	84.4	14.6	169	07/13/2020
Surr: p-Terphenyl-d14			**0.00112**	0.0010		111.8	10	173	07/13/2020

Batch 167175 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 20070538-026AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00142**	0.0020	0	71.0	0.001502	5.63	07/13/2020
Acenaphthylene	0.000100		**0.00146**	0.0020	0	72.9	0.001510	3.50	07/13/2020
Anthracene	0.000300		**0.00158**	0.0020	0	79.0	0.001582	0.15	07/13/2020
Benzo(a)anthracene	0.000100		**0.00141**	0.0020	0	70.3	0.001453	3.27	07/13/2020
Benzo(a)pyrene	0.000100		**0.00158**	0.0020	0	79.2	0.001615	1.93	07/13/2020
Benzo(b)fluoranthene	0.000100		**0.00149**	0.0020	0	74.3	0.001572	5.67	07/13/2020
Benzo(g,h,i)perylene	0.000200		**0.00162**	0.0020	0	81.1	0.001707	5.17	07/13/2020
Benzo(k)fluoranthene	0.000100		**0.00160**	0.0020	0	79.9	0.001640	2.63	07/13/2020
Chrysene	0.000100		**0.00150**	0.0020	0	75.2	0.001556	3.46	07/13/2020
Dibenzo(a,h)anthracene	0.000100		**0.00176**	0.0020	0	88.2	0.001859	5.27	07/13/2020
Fluoranthene	0.000300		**0.00181**	0.0020	0	90.6	0.001714	5.51	07/13/2020
Fluorene	0.000200		**0.00160**	0.0020	0	80.2	0.001619	0.97	07/13/2020
Indeno(1,2,3-cd)pyrene	0.000100		**0.00172**	0.0020	0	85.8	0.001789	4.10	07/13/2020
Naphthalene	0.000400		**0.00135**	0.0020	0	67.6	0.001408	4.09	07/13/2020
Phenanthrene	0.000600		**0.00164**	0.0020	0	82.0	0.001651	0.62	07/13/2020
Pyrene	0.000200		**0.00173**	0.0020	0	86.5	0.001689	2.46	07/13/2020
Surr: p-Terphenyl-d14			**0.00109**	0.0010		109.4			07/13/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167156 **SampType:** MBLK Units µg/L

SampID: MBLK-N200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						07/09/2020
Ethylbenzene	2.0		ND						07/09/2020
Toluene	2.0		ND						07/09/2020
Xylenes, Total	4.0		ND						07/09/2020
Surr: 1,2-Dichloroethane-d4			53.0	50.00		105.9	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			49.6	50.00		99.2	80	120	07/09/2020
Surr: Dibromofluoromethane			50.8	50.00		101.5	80	120	07/09/2020
Surr: Toluene-d8			49.5	50.00		98.9	80	120	07/09/2020

Batch 167156 **SampType:** LCSD Units µg/L RPD Limit 15.9

SampID: LCSD-N200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		45.2	50.00	0	90.4	46.59	3.01	07/09/2020
Ethylbenzene	2.0		46.7	50.00	0	93.3	47.90	2.62	07/09/2020
Toluene	2.0		45.4	50.00	0	90.8	46.42	2.22	07/09/2020
Xylenes, Total	4.0		142	150.0	0	94.3	144.8	2.33	07/09/2020
Surr: 1,2-Dichloroethane-d4			52.9	50.00		105.8			07/09/2020
Surr: 4-Bromofluorobenzene			50.6	50.00		101.2			07/09/2020
Surr: Dibromofluoromethane			52.0	50.00		104.1			07/09/2020
Surr: Toluene-d8			49.3	50.00		98.6			07/09/2020

Batch 167156 **SampType:** LCS Units µg/L

SampID: LCS-N200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		46.6	50.00	0	93.2	78.5	119	07/09/2020
Ethylbenzene	2.0		47.9	50.00	0	95.8	78.2	114	07/09/2020
Toluene	2.0		46.4	50.00	0	92.8	78.6	112	07/09/2020
Xylenes, Total	4.0		145	150.0	0	96.6	78.3	114	07/09/2020
Surr: 1,2-Dichloroethane-d4			53.7	50.00		107.4	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			49.2	50.00		98.4	80	120	07/09/2020
Surr: Dibromofluoromethane			52.9	50.00		105.8	80	120	07/09/2020
Surr: Toluene-d8			48.8	50.00		97.7	80	120	07/09/2020

Batch 167156 **SampType:** MS Units µg/L

SampID: 20070538-026DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		49.7	50.00	0	99.4	72	120	07/10/2020
Ethylbenzene	2.0		52.8	50.00	0	105.6	74.8	115	07/10/2020
Toluene	2.0		48.0	50.00	0	95.9	70.6	109	07/10/2020
Xylenes, Total	4.0		101	100.0	0	101.0	72.1	113	07/10/2020
Surr: 1,2-Dichloroethane-d4			55.2	50.00		110.3	80.9	113	07/10/2020
Surr: 4-Bromofluorobenzene			52.6	50.00		105.2	88.3	109	07/10/2020
Surr: Dibromofluoromethane			51.8	50.00		103.6	87.4	111	07/10/2020
Surr: Toluene-d8			50.0	50.00		100.1	86.1	110	07/10/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167156 **SampType: MSD** Units **µg/L** RPD Limit **20**

SampID: 20070538-026DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**50.4**	50.00	0	100.7	49.69	1.32	07/10/2020
Ethylbenzene	2.0		**52.7**	50.00	0	105.5	52.82	0.17	07/10/2020
Toluene	2.0		**49.2**	50.00	0	98.4	47.95	2.61	07/10/2020
Xylenes, Total	4.0		**102**	100.0	0	101.6	101.0	0.52	07/10/2020
Surr: 1,2-Dichloroethane-d4			**54.8**	50.00		109.7			07/10/2020
Surr: 4-Bromofluorobenzene			**52.3**	50.00		104.6			07/10/2020
Surr: Dibromofluoromethane			**51.7**	50.00		103.4			07/10/2020
Surr: Toluene-d8			**49.6**	50.00		99.1			07/10/2020

Batch 167158 **SampType: MBLK** Units **µg/L**

SampID: MBLK-AE200709A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						07/09/2020
Ethylbenzene	2.0		**ND**						07/09/2020
Toluene	2.0		**ND**						07/09/2020
Xylenes, Total	4.0		**ND**						07/09/2020
Surr: 1,2-Dichloroethane-d4			**50.4**	50.00		100.8	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			**49.3**	50.00		98.6	80	120	07/09/2020
Surr: Dibromofluoromethane			**49.7**	50.00		99.4	80	120	07/09/2020
Surr: Toluene-d8			**51.2**	50.00		102.3	80	120	07/09/2020

Batch 167158 **SampType: LCS** Units **µg/L**

SampID: LCS-AE200709A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**45.8**	50.00	0	91.5	78.5	119	07/09/2020
Ethylbenzene	2.0		**47.6**	50.00	0	95.2	78.2	114	07/09/2020
Toluene	2.0		**47.4**	50.00	0	94.8	78.6	112	07/09/2020
Xylenes, Total	4.0		**143**	150.0	0	95.1	78.3	114	07/09/2020
Surr: 1,2-Dichloroethane-d4			**49.8**	50.00		99.5	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			**50.2**	50.00		100.4	80	120	07/09/2020
Surr: Dibromofluoromethane			**49.9**	50.00		99.8	80	120	07/09/2020
Surr: Toluene-d8			**51.0**	50.00		101.9	80	120	07/09/2020

Batch 167158 **SampType: LCSD** Units **µg/L** RPD Limit **15.9**

SampID: LCSD-AE200709A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**43.1**	50.00	0	86.1	45.75	6.03	07/09/2020
Ethylbenzene	2.0		**45.4**	50.00	0	90.7	47.59	4.80	07/09/2020
Toluene	2.0		**45.3**	50.00	0	90.5	47.42	4.64	07/09/2020
Xylenes, Total	4.0		**135**	150.0	0	90.1	142.7	5.46	07/09/2020
Surr: 1,2-Dichloroethane-d4			**49.4**	50.00		98.8			07/09/2020
Surr: 4-Bromofluorobenzene			**50.6**	50.00		101.2			07/09/2020
Surr: Dibromofluoromethane			**49.5**	50.00		99.1			07/09/2020
Surr: Toluene-d8			**51.3**	50.00		102.6			07/09/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167160 **SampType:** MBLK Units µg/L

SampID: MBLK-AE200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		ND						07/09/2020
Ethylbenzene	2.0		ND						07/09/2020
Toluene	2.0		ND						07/09/2020
Xylenes, Total	4.0		ND						07/09/2020
Surr: 1,2-Dichloroethane-d4			50.3	50.00		100.5	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			49.9	50.00		99.8	80	120	07/09/2020
Surr: Dibromofluoromethane			48.5	50.00		97.0	80	120	07/09/2020
Surr: Toluene-d8			51.6	50.00		103.3	80	120	07/09/2020

Batch 167160 **SampType:** LCS Units µg/L

SampID: LCS-AE200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		45.4	50.00	0	90.8	78.5	119	07/09/2020
Ethylbenzene	2.0		47.5	50.00	0	94.9	78.2	114	07/09/2020
Toluene	2.0		45.9	50.00	0	91.8	78.6	112	07/09/2020
Xylenes, Total	4.0		142	150.0	0	94.8	78.3	114	07/09/2020
Surr: 1,2-Dichloroethane-d4			49.7	50.00		99.4	80	120	07/09/2020
Surr: 4-Bromofluorobenzene			50.0	50.00		100.1	80	120	07/09/2020
Surr: Dibromofluoromethane			48.9	50.00		97.9	80	120	07/09/2020
Surr: Toluene-d8			50.7	50.00		101.4	80	120	07/09/2020

Batch 167160 **SampType:** LCSD Units µg/L RPD Limit **15.9**

SampID: LCSD-AE200709A-2

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		45.0	50.00	0	90.0	45.38	0.80	07/09/2020
Ethylbenzene	2.0		47.0	50.00	0	94.0	47.47	0.97	07/09/2020
Toluene	2.0		47.0	50.00	0	94.0	45.92	2.30	07/09/2020
Xylenes, Total	4.0		141	150.0	0	94.0	142.2	0.81	07/09/2020
Surr: 1,2-Dichloroethane-d4			49.9	50.00		99.8			07/09/2020
Surr: 4-Bromofluorobenzene			51.5	50.00		103.0			07/09/2020
Surr: Dibromofluoromethane			49.2	50.00		98.4			07/09/2020
Surr: Toluene-d8			50.8	50.00		101.6			07/09/2020

Batch 167160 **SampType:** MS Units µg/L

SampID: 20070538-025DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		44.3	50.00	0	88.6	72	120	07/10/2020
Ethylbenzene	2.0		46.1	50.00	0.1600	92.0	74.8	115	07/10/2020
Toluene	2.0		44.7	50.00	0	89.5	70.6	109	07/10/2020
Xylenes, Total	4.0		88.6	100.0	0	88.6	72.1	113	07/10/2020
Surr: 1,2-Dichloroethane-d4			50.3	50.00		100.5	80.9	113	07/10/2020
Surr: 4-Bromofluorobenzene			49.4	50.00		98.8	88.3	109	07/10/2020
Surr: Dibromofluoromethane			49.0	50.00		97.9	87.4	111	07/10/2020
Surr: Toluene-d8			51.0	50.00		102.1	86.1	110	07/10/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167160 **SampType: MSD** Units **µg/L** RPD Limit **20**

SampID: 20070538-025DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**41.3**	50.00	0	82.6	44.31	7.03	07/10/2020
Ethylbenzene	2.0		**44.0**	50.00	0.1600	87.7	46.14	4.73	07/10/2020
Toluene	2.0		**41.8**	50.00	0	83.5	44.73	6.87	07/10/2020
Xylenes, Total	4.0		**84.7**	100.0	0	84.7	88.57	4.44	07/10/2020
Surr: 1,2-Dichloroethane-d4			**50.5**	50.00		101.0			07/10/2020
Surr: 4-Bromofluorobenzene			**49.5**	50.00		99.0			07/10/2020
Surr: Dibromofluoromethane			**49.0**	50.00		98.1			07/10/2020
Surr: Toluene-d8			**51.4**	50.00		102.8			07/10/2020

Batch 167187 **SampType: MBLK** Units **µg/L**

SampID: MBLK-T200710A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						07/10/2020
Ethylbenzene	2.0		**ND**						07/10/2020
Toluene	2.0		**ND**						07/10/2020
Xylenes, Total	4.0		**ND**						07/10/2020
Surr: 1,2-Dichloroethane-d4			**49.8**	50.00		99.6	80	120	07/10/2020
Surr: 4-Bromofluorobenzene			**48.2**	50.00		96.5	80	120	07/10/2020
Surr: Dibromofluoromethane			**48.9**	50.00		97.8	80	120	07/10/2020
Surr: Toluene-d8			**52.9**	50.00		105.7	80	120	07/10/2020

Batch 167187 **SampType: LCSD** Units **µg/L** RPD Limit **15.9**

SampID: LCSD-T200710A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**44.9**	50.00	0	89.8	52.48	15.55	07/10/2020
Ethylbenzene	2.0		**45.6**	50.00	0	91.2	53.69	16.27	07/10/2020
Toluene	2.0	R	**46.7**	50.00	0	93.4	55.75	17.65	07/10/2020
Xylenes, Total	4.0	R	**139**	150.0	0	92.9	165.5	17.17	07/10/2020
Surr: 1,2-Dichloroethane-d4			**50.0**	50.00		100.0			07/10/2020
Surr: 4-Bromofluorobenzene			**47.1**	50.00		94.1			07/10/2020
Surr: Dibromofluoromethane			**49.2**	50.00		98.5			07/10/2020
Surr: Toluene-d8			**50.6**	50.00		101.3			07/10/2020

Batch 167187 **SampType: LCS** Units **µg/L**

SampID: LCS-T200710A-1

Analyses	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	07/10/2020
Ethylbenzene	2.0		**53.7**	50.00	0	107.4	78.2	114	07/10/2020
Toluene	2.0		**55.8**	50.00	0	111.5	78.6	112	07/10/2020
Xylenes, Total	4.0		**166**	150.0	0	110.4	78.3	114	07/10/2020
Surr: 1,2-Dichloroethane-d4			**50.1**	50.00		100.2	80	120	07/10/2020
Surr: 4-Bromofluorobenzene			**47.1**	50.00		94.3	80	120	07/10/2020
Surr: Dibromofluoromethane			**50.6**	50.00		101.1	80	120	07/10/2020
Surr: Toluene-d8			**52.3**	50.00		104.7	80	120	07/10/2020

Client: ERM **Work Order:** 20070538

Client Project: Champaign GW **Report Date:** 21-Jul-2020

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

Batch 167187 **SampType:** MS Units **µg/L**

SampID: 20070538-031DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	5.0		**645**	500.0	188.1	91.3	72	120	07/10/2020
Ethylbenzene	20.0		**1100**	500.0	607.4	98.7	74.8	115	07/10/2020
Toluene	20.0		**458**	500.0	4.600	90.7	70.6	109	07/10/2020
Xylenes, Total	40.0		**1060**	1000	159.5	90.5	72.1	113	07/10/2020
Surr: 1,2-Dichloroethane-d4			**512**	500.0		102.3	80.9	113	07/10/2020
Surr: 4-Bromofluorobenzene			**482**	500.0		96.4	88.3	109	07/10/2020
Surr: Dibromofluoromethane			**494**	500.0		98.8	87.4	111	07/10/2020
Surr: Toluene-d8			**513**	500.0		102.5	86.1	110	07/10/2020

Batch 167187 **SampType:** MSD Units **µg/L** RPD Limit **20**

SampID: 20070538-031DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	5.0		**614**	500.0	188.1	85.2	644.6	4.88	07/10/2020
Ethylbenzene	20.0		**1060**	500.0	607.4	89.8	1101	4.14	07/10/2020
Toluene	20.0		**440**	500.0	4.600	87.0	458.0	4.10	07/10/2020
Xylenes, Total	40.0		**1030**	1000	159.5	86.8	1065	3.52	07/10/2020
Surr: 1,2-Dichloroethane-d4			**516**	500.0		103.2			07/10/2020
Surr: 4-Bromofluorobenzene			**476**	500.0		95.1			07/10/2020
Surr: Dibromofluoromethane			**496**	500.0		99.2			07/10/2020
Surr: Toluene-d8			**525**	500.0		105.1			07/10/2020

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 20070538
Report Date: 21-Jul-2020

Carrier: Michael Abegg

Received By: KMT

Completed by: Amanda R. Ham
On: 09-Jul-2020

Reviewed by: Shelly A. Hennessy
On: 09-Jul-2020

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **4.4**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		

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

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

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

Additional sodium hydroxide (73098) was needed in 102, 106R, 108, and DUP 003 upon arrival at the laboratory. - EEP/aham - 7/9/2020 1:35:01 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 7/16/2020 1:54:38 PM

CHAIN OF COUSTODY

pg. 1 of 4 Work order # 20070538

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 4.4 °C LZ64

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

Lab Notes:
*Add NaOH 67014 EOP 7/9/20 H.S okay. 7/9/2020

Client Comments

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	Ayers / Moore / Mendiola

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Matrix: Groundwater	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20070538-001	UMW-102-WG-20200706 *	7/6/20; 1615	1	1	1	2	X	X	X	X	X
-002	UMW-105-WG-20200708	7/8/20; 1545	1	1	1	2	X	X	X	X	X
-003	UMW-106R-WG-20200707 *	7/7/20; 1830	1	1	1	2	X	X	X	X	X
-004	UMW-107R-WG-20200707	7/7/20; 1710	1	1	1	2	X	X	X	X	X
-005	UMW-108-WG-20200707 *	7/7/20; 1130	1	1	1	2	X	X	X	X	X
-006	UMW-109-WG-20200707	7/7/20; 1040	1	1	1	2	X	X	X	X	X
-007	UMW-111A-WG-20200707	7/7/20; 0840	1	1	1	2	X	X	X	X	X
-008	UMW-116-WG-20200707	7/7/20; 1420	1	1	1	2	X	X	X	X	X
-009	UMW-117-WG-20200707	7/7/20; 1250	1	1	1	2	X	X	X	X	X
-010	UMW-118-WG-20200709	7/7/20; 1220	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	7/9/2020 0930	[signature]	7/9/20 0935

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: 59357

AH/ 7/9/2020

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 200705538

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

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: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
200705538-011	UMW-119-WG-20200706	7/6/20; 1855	1	1	1	2	X	X	X	X	X
-012	UMW-120-WG-20200706	7/6/20; 1750	1	1	1	2	X	X	X	X	X
-013	UMW-121-WG-20200706	7/6/20; 1400	1	1	1	2	X	X	X	X	X
-014	UMW-122-WG-20200707	7/7/20; 1630	1	1	1	2	X	X	X	X	X
-015	UMW-123-WG-20200707	7/7/20; 1730	1	1	1	2	X	X	X	X	X
-016	UMW-124-WG-20200708	7/8/20; 1520	1	1	1	2	X	X	X	X	X
-017	UMW-125-WG-20200708	7/8/20; 0830	1	1	1	2	X	X	X	X	X
-018	UMW-126-WG-20200708	7/8/20; 1420	1	1	1	2	X	X	X	X	X
-019	UMW-127-WG-20200708	7/8/20; 1650	1	1	1	2	X	X	X	X	X
-020	UMW-300-WG-20200707	7/7/20; 1000	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Michael Brew (ERM)	7/9/2020 0930	TG	7/9/20 0935

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: 59357

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 20070538

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

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

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: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20070538-021	UMW-301R-WG-20200708	7/8/20;1200	1	1	1	2	X	X	X	X	X
-022	UMW-302-WG-20200708	7/8/20;1245	1	1	1	2	X	X	X	X	X
-023	UMW-303-WG-20200707	7/7/20;1430	1	1	1	2	X	X	X	X	X
-024	UMW-304R-WG-20200708	7/8/20; 0930	1	1	1	2	X	X	X	X	X
-025	UMW-305-WG-20200708	7/8/20; 1110	1	1	1	2	X	X	X	X	X
-026	UMW-306-WG-20200708	7/8/20; 0945	1	1	1	2	X	X	X	X	X
-027	UMW-307-WG-20200708	7/8/20; 0830	1	1	1	2	X	X	X	X	X
-028	UMW-308-WG-20200708	7/8/20; 1305	1	1	1	2	X	X	X	X	X
-029	DUP 001-WG-20200708	7/8/20	1	1	1	2	X	X	X	X	X
-030	DUP 002-WG-20200708	7/8/20	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	7/9/2020 0930	[signature]	7/9/20 0935

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: 59357

CHAIN OF CUSTODY

 Work order # 20070538

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

Client Comments

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	UNP	HNO3	NaOH	HCl	MATRIX: Groundwater	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
20070538 -031	DUP 003-WG-20200708 *	7/8/20	1	1	1	2	X	X	X	X	X
-032	EB-01-WQ-20200707	7/7/20; 1445	1	1	1	2	X	X	X	X	X
-033	TB-01-WQ-202007__	— —				2	X	X			
	UMW-305-WG-20200708- MS/MSD	7/8/20; 1110									
	UMW-306-WG-20200708-MS/MSD	7/8/20 1945									

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	7/9/2020 0930	[signature]	7/9/20 0935

BottleOrder: 59357

ERM

1050 SW 6th Avenue
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www.erm.com

Memorandum

To	Lacy Smith
From	Rachel James
Date	13 August 2020
Reference	0543705
Subject	Data Review of Ameren Champaign Groundwater Samples Third Quarter 2020: Teklab, Inc. Data Package 20070538.

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

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

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

Stage 4 data review for 20 percent of the samples (6 samples: UMW-124-WG-20200708, UMW-126-WG-20200708, UMW-127-WG-20200708, UMW-302-WG-20200708, DUP-001-WG-20200708, and DUP 003-WG-20200708) 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 four of the 32 samples for cyanide analysis. In these cases, the pH was less than 12 and the laboratory adjusted the pH with additional sodium hydroxide upon receipt. No qualifications were added to the cyanide results since the samples were preserved properly upon receipt. The samples with inadequate preservation are presented in Table 1.

BLANK EVALUATION

Naphthalene was detected in equipment blank sample EB-01-WQ-20200707 at a concentration above the reporting limit. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. The blank detection and associated data are presented in Table 2.

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

CALIBRATION EVALUATION

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

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

BLANK SPIKE EVALUATION

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

MATRIX SPIKE EVALUATION

The MS/MSD recoveries and RPDs were within the laboratory's limits of acceptance for project samples, with two exceptions. Cyanide was recovered below the control limits in the MS or MSD samples prepared from UMW-305-WG-20200708 and UMW-306-WG-20200708. Teklab qualified these results with S flags for recovery and an R flag on sample UMW-306-WG-20200708 for RPD. No data were qualified as the outliers could be verified by another in-control recovery. The laboratory-applied S and R flags were removed. Additional qualifications were not necessary. The matrix spike outliers are presented in Table 3.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits with six exceptions. Data were not qualified since in all cases the dilution factor was 10 times or greater. The surrogate outliers are presented in Table 4.

INTERNAL STANDARD EVALUATION

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

SAMPLES WITH INACCURATE QUANTIFICATION

The laboratory described that consistent results for cyanide in sample UMW-305-WG-20200708 were not achieved across multiple preparations and analyses. The highest result was reported and it was qualified as an estimate (J). The result is presented in Table 5.

LABORATORY DUPLICATE EVALUATION

The laboratory prepared one project sample as a laboratory duplicate. An RPD could not be calculated as the target analyte was non-detected in the parent and laboratory duplicate samples.

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 6. An RPD control limit of 30 was used when both the

sample and the field duplicate results were greater than or equal to five times the reporting limit. An absolute difference control limit of two times the reporting limit was used when at least one of the results was less than five times the reporting limit (if the reporting limits are not the same between the parent and field duplicate samples, professional judgement was used for the control limit determination). 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
Third Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Preservation Condition	Limits	ERM Qualifier
20070538	UMW-102-WG-20200706	9012A	pH < 12	pH ≥ 12	--
	UMW-106R-WG-20200707				
	UMW-108-WG-20200707				
	DUP 003-WG-20200708				

Lab package reviewed: 20070538

Table 2
Blank and Associated Suspect Sample Detections
Third 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
20070538	EB-01-WQ-20200707	Naphthalene	0.00358	0.000400	UMW-126-WG-20200708	0.00267	0.000400	mg/L	0.00267 U
					UMW-127-WG-20200708	0.00127	0.000400	mg/L	0.00127 U
					UMW-303-WG-20200707	0.00146	0.000400	mg/L	0.00146 U
					DUP 002-WG-20200708	0.00285	0.000400	mg/L	0.00285 U

Lab package reviewed: 20070538

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

Table 3
Spike Recoveries Outside of Acceptable Limits
Third 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										
20070538	LCS-167175 LCSD-167175	None for qualification	Benzo(a)pyrene	85.0/75.3	76.3-154	12.13	40	--	--	--
	LCS-T200710A-1 LCSD-T200710A-1	None for qualification	Toluene	111.5/93.4	78.6-112	17.65	15.9	--	--	--
			Xylenes, Total	110.4/92.9	78.3-114	17.17	15.9	--	--	--
MS/MSD										
20070538	UMW-305-WG-20200708 MS/MSD	None for qualification	Cyanide	71.4/86.9	75-125	13.04	15	--	--	--
	UMW-306-WG-20200708 MS/MSD	None for qualification	Cyanide	46.3/100.6	75-125	46.97	15	--	--	--

Lab package reviewed: 20070538

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

Table 4
Surrogate Recovery Results out of Acceptable Limits
Third Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Surrogate	Recovery (%)	Limit (%)	Affected Analyte	Dilution Factor	ERM Qualifier
20070538	UMW-302-WG-20200708	8270C	2-Fluorobiphenyl	0	21.4-142	--	1000	--
			Nitrobenzene-d5	0	15-163	--		--
	DUP 001-WG-20200708	8270C	2-Fluorobiphenyl	0	21.4-142	--	100	--
			Nitrobenzene-d5	0	15-163	--		--
	DUP 003-WG-20200708	8270C	2-Fluorobiphenyl	0	21.4-142	--	1000	--
			Nitrobenzene-d5	0	15-163	--		--

Lab package reviewed: 20070538

Table 5
Samples with Inaccurate Quantification
Third Quarter 2020 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Sample ID	Method	Analyte	Result	Units	Comment	ERM Qualifier
20070538	UMW-305-WG-20200708	9012A	Cyanide	0.010	mg/L	Consistent results were not achieved across multiple prep and analyses	J

Lab package reviewed: 20070538

Notes:
J = Estimated
mg/L = Milligrams per liter

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
Third 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						
20070538	UMW-124-WG-20200708/ DUP 001-WG-20200708	Barium	0.0300	0.0293	0.0025	0.0025	--	--	mg/L	2.4	30	--
		Acenaphthene	0.000612	0.000574	0.000100	0.000100	--	--	mg/L	6.4	30	--
		Acenaphthylene	0.000416	0.000383	0.000100	0.000100	0.000033	0.000200	mg/L	--	--	--
		Fluorene	0.000237	0.000249	0.000200	0.000200	0.000012	0.000400	mg/L	--	--	--
		Naphthalene	0.0680	0.0617	0.0400	0.0100	0.0063	0.0200	mg/L	--	--	--
		Benzene	116	129	0.5	0.5	--	--	µg/L	11	30	--
		Ethylbenzene	16.4	17.6	2.0	2.0	--	--	µg/L	7.1	30	--
		Toluene	97.8	102	2.0	2.0	--	--	µg/L	4.2	30	--
		Xylene, Total	46.4	50.1	4.0	4.0	--	--	µg/L	7.7	30	--
	UMW-126-WG-20200708/ DUP 002-WG-20200708	Barium	0.0318	0.0314	0.0025	0.0025	--	--	mg/L	1.3	30	--
		Naphthalene	0.00267	0.00285	0.000400	0.000400	--	--	mg/L	6.5	30	--
		Benzene	136	152	0.5	0.5	--	--	µg/L	11	30	--
		Ethylbenzene	3.9	4.6	2.0	2.0	0.7	4.0	µg/L	--	--	--
		Toluene	19.6	21.8	2.0	2.0	--	--	µg/L	11	30	--
		Xylene, Total	7.3	8.5	4.0	4.0	1.2	8.0	µg/L	--	--	--

Table 6
Field Duplicate Results and Calculated Relative Percent Differences
Third 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						
20070538	UMW-302-WG-20200708/ DUP 003-WG-20200708	Cyanide	0.074	0.076	0.025	0.025	0.002	0.050	mg/L	--	--	--
		Barium	0.0585	0.0579	0.0025	0.0025	--	--	mg/L	1.0	30	--
		Acenaphthene	0.000474	0.000454	0.000100	0.000100	0.000020	0.000200	mg/L	--	--	--
		Acenaphthylene	0.000406	0.000403	0.000100	0.000100	0.000003	0.000200	mg/L	--	--	--
		Naphthalene	1.84	1.81	0.400	0.400	0.03	0.800	mg/L	--	--	--
		Benzene	197	188	5.0	5.0	--	--	µg/L	4.7	30	--
		Ethylbenzene	598	607	20.0	20.0	--	--	µg/L	1.5	30	--
		Toluene	4.8	ND	2.0	20.0	4.8	40.0	µg/L	--	--	--
		Xylene, Total	184	160	4.0	40.0	--	--	µg/L	14	30	--

Lab package reviewed: 20070538

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

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