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January 28, 2022

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

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

Dear Ms. Ambrose:

On behalf of Ameren Services, Environmental Resources Management, Inc. (ERM) has completed the fourth quarter 2021 groundwater sampling event at the Champaign Former Manufactured Gas Plant Site (Site), located at 308 North Fifth Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event.

INTRODUCTION

Groundwater sampling activities for the fourth quarter 2021 monitoring event were conducted from November 1 through November 4, 2021. During the sampling event, groundwater samples were collected from 28 monitoring wells, which included seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location on November 1, 2021, prior to initiation of sampling activities. Prior to sampling, groundwater was purged from the monitoring wells using the dedicated bladder pumps until water quality instrumentation indicated that measured parameters had stabilized. Upon stabilization, groundwater samples were collected in containers provided by the laboratory, and placed in ice-filled coolers pending delivery to the laboratory. Monitoring wells were gauged, purged and sampled from least impacted to most impacted.

Groundwater samples were analyzed for the following Manufactured Gas Plant (MGP) - related compounds: the volatile organic compounds (VOCs) benzene, toluene, ethylbenzene, and total xylenes (BTEX); the 16 Priority Pollutant polynuclear aromatic hydrocarbons (PAHs); total cyanide; and total Resource Conservation and Recovery Act (RCRA) metals. Laboratory analytical services were provided by Teklab, Inc. (Teklab) of Collinsville, Illinois.

Groundwater level measurement data for the fourth quarter 2021 monitoring event included the depth to water (DTW) below each monitoring well's top of casing (TOC) and calculated groundwater elevation, which are provided in Table 1. Groundwater elevation contour

maps for the shallow monitoring zone (100 series wells) and the intermediate depth unit (300 series wells) are provided as Figures 1 and 2, respectively.

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

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

Purge water that was collected from the monitoring wells during the fourth quarter 2021 sampling event was containerized in two 55-gallon poly drums. Approximately 100 gallons of purge water were generated during the November 2021 groundwater monitoring event. The purge water was removed from the Site for disposal by Clean Harbors Environmental Services, Inc. on November 4, 2021, following completion of sampling activities.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured DTW and the calculated water level elevations at the Site for the fourth quarter 2021 monitoring event are shown on Table 1. The DTW in the shallow monitoring wells ranged from 1.90 to 8.17 feet below land surface (BLS). The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 1.90 to 3.53 feet below 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 November 2021 were calculated to be 0.028 (UMW-124 to UMW-105), 0.015 (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, respectively.

The depths to groundwater in the nine monitoring wells that monitor the intermediate groundwater unit, ranged from 26.37 to 28.93 feet below BLS. As shown on Figure 2, the intermediate groundwater flow direction is generally towards the south and southeast, with a groundwater gradient of approximately 0.001 ft/ft across the Site (UMW-300 to UMW-308).

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents reported in samples exceeded at least one Class I (intermediate groundwater) or Class II (shallow groundwater) ingestion RO, or groundwater (vapor) inhalation RO for indoor air at residential sites

(inhalation RO). The shallow groundwater unit underlying and in the vicinity of the Site is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Two of the 28 monitoring wells sampled in the fourth quarter 2021 monitoring event had at least one MGP-related constituent exceeding its respective Class I or II ingestion, or inhalation RO.

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

A benzene concentration of 0.104 mg/L was reported in shallow on-site monitoring well UMW-124, which exceeds the Class II groundwater RO of 0.025 mg/L. Concentrations of other organic constituents detected in the other eighteen shallow monitoring wells located on-site or off-site were below their respective Class II RO.

Benzene, ethylbenzene and naphthalene were reported in samples collected from intermediate monitoring well UMW-302 at concentrations of 0.256, 0.763, and 2.20 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.7, and 0.14 mg/L. The benzene, ethylbenzene, and naphthalene constituent concentrations also exceeded the groundwater inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet BLS, and is separated by over 20 vertical feet of silty clay from the overlying shallow groundwater monitored in the co-located shallow well UMW-121. Of the nine intermediate monitoring wells screened in the lower groundwater unit, UMW-302 is the only intermediate well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation RO.

Data Validation

ERM reviewed analytical data from the fourth quarter 2021 monitoring event for compliance with quality assurance/quality control (QA/QC) and method-prescribed criteria for review of holding time and sample preservation, blank samples, spike samples, surrogate spikes, and duplicate samples.

Additional data review of calibration, internal standards, and recalculation was completed for 20 percent of the samples (6 samples: UMW-109-WG-20211102, UMW-124-WG-20211103, UMW-301R-WG-20211103, UMW-302-WG-202111103, DUP-001-WG-20211103, and DUP-003-WG-20211103). A summary of the results of data validation is included with the analytical report in Attachment 1.

The results of the data validation indicated that data from the fourth quarter 2021 monitoring event did not require modification, other than addition of qualifiers.

Naphthalene was detected in equipment blank sample, EB-02-WQ-20211103, at a concentration above the reporting limit but below groundwater ROs. Results less than the blank concentration, but greater than the reporting limit were qualified as non-detect (U) at the sample concentration. While low-level concentrations of naphthalene have been detected in the equipment blank samples, naphthalene is absent at detectable concentrations in the groundwater samples collected from the proceeding and subsequent monitoring wells. This indicates that cross-contamination from the water level meter probe tip is not adversely affecting groundwater sample results.

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

All of the data, including qualified data, can be used for decision-making purposes. However, the limitations indicated by the following applied qualifiers should be considered when using the data. A 'J+' qualifier indicates that the result is an estimated quantity with a high bias. A 'U' qualifier indicates that the analyte was analyzed for, but was not detected above the reported quantitation or detection limit. A 'UJ' qualifier indicates that the result is non-detected with an estimated report limit.

CONCLUSIONS – 4th Quarter Results

Based on the data collected during the fourth quarter 2021 monitoring event, on-site monitoring well UMW-124 was the only shallow monitoring well where a constituent concentration was reported that exceeded a Class II groundwater ingestion RO. Benzene was the only constituent reported in the sample that exceeded a groundwater RO. No other Class II groundwater ROs for organic (BTEX and PAHs) or inorganic (total cyanide or total RCRA metals) constituents were exceeded in samples collected from the other monitoring wells screened in the shallow groundwater unit.

The intermediate groundwater unit had detections in one monitoring well location exceeding groundwater ROs: monitoring well UMW-302, located south of the Site. Benzene, ethylbenzene, and naphthalene were detected in UMW-302 at concentrations exceeding the Class I groundwater ingestion ROs and the groundwater inhalation ROs for indoor air.

CONCLUSIONS – SUMMARY OF ANNUAL RESULTS

The analytical results from sampling events completed during the two-year period between November 2019 and November 2021 are summarized in Table 3. The tabular display of the analytical results was used to assess changes in constituent concentrations over time.

Summary of Remediation Objectives Exceeded

Groundwater Ingestion Pathway

Exceedances of the groundwater ingestion ROs for the shallow and intermediate groundwater units (Class II or Class I ROs, respectively) for the four groundwater sampling events completed in 2021 were limited to the following monitoring well locations and constituents.

- UMW-124: benzene (0.025 mg/L Class II groundwater ingestion RO), all four quarter events with reported concentrations of 0.0526, 0.091, 0.092, and 0.104 mg/L, respectively.
- UMW-126: benzene (0.025 mg/L Class II groundwater ingestion RO), for the second and third quarter events with reported concentrations of 0.077 and 0.0803 mg/L, respectively. The first and fourth quarters had concentrations of 0.0033 and 0.019 mg/L, respectively, which are both below the RO.

- UMW-302:
    - Benzene (0.005 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 0.374, 0.392, 0.316, and 0.256 mg/L, respectively.
    - Ethylbenzene (0.7 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 0.786, 0.916, 0.804, and 0.763 mg/L, respectively.
    - Naphthalene (0.14 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 2.26, 2.79, 2.59, and 2.20 mg/L, respectively.

Indoor Inhalation Pathway

Exceedance of the groundwater RO for the indoor inhalation pathway at residential sites for the four groundwater sampling events completed in 2021 was limited to the following intermediate monitoring well location and constituents:

- UMW-302:
    - Benzene (0.11 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 0.374, 0.392, 0.316, and 0.256 mg/L, respectively.
    - Ethylbenzene (0.37 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 0.786, 0.916, 0.804, and 0.763 mg/L, respectively.
    - Naphthalene (0.075 mg/L Class I groundwater ingestion RO), all four quarter events with reported concentrations of 2.26, 2.79, 2.59, and 2.20 mg/L, respectively.

Analytical Trends

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

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

The next quarterly groundwater sampling event is scheduled to be completed in February 2022. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

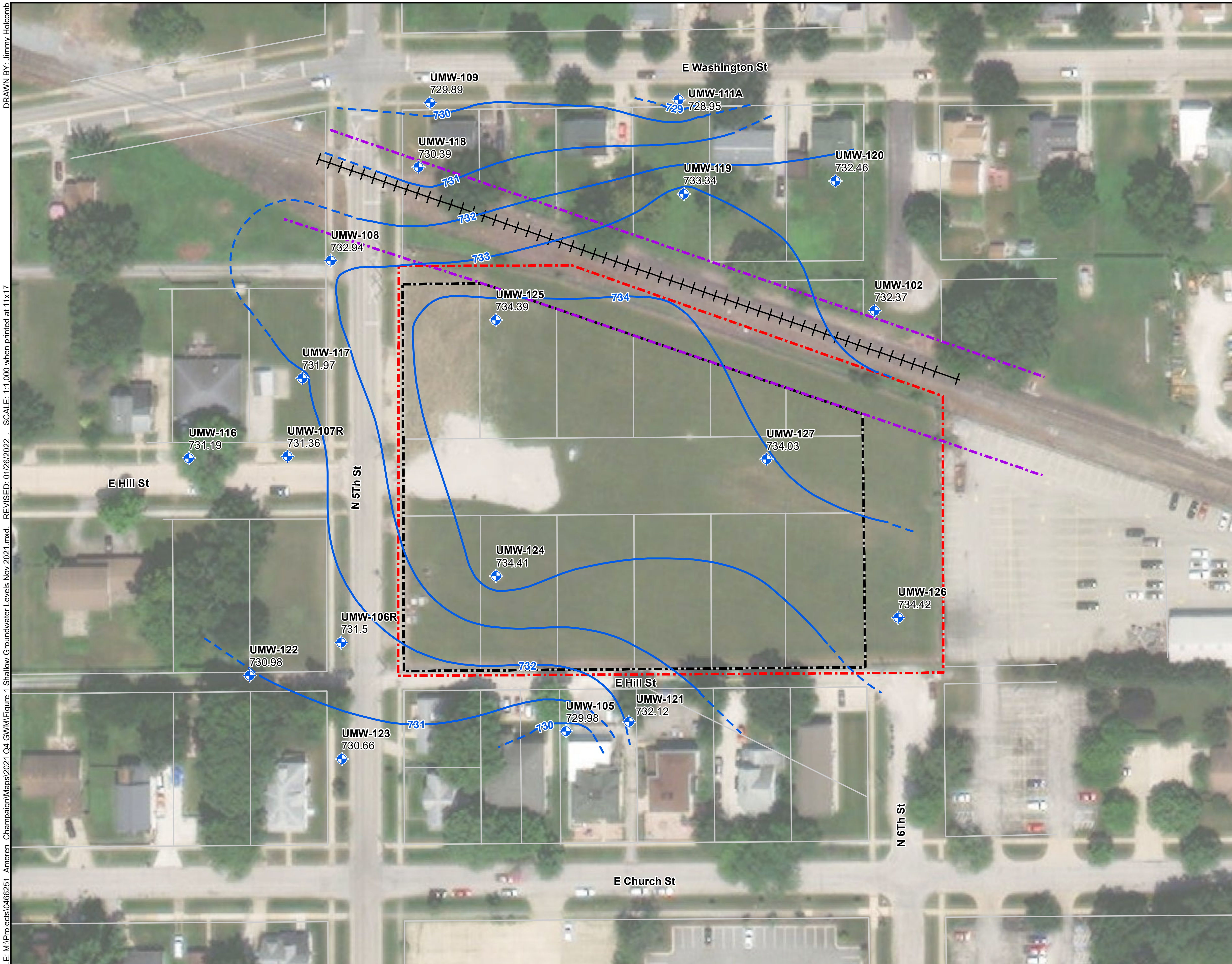
Sincerely,

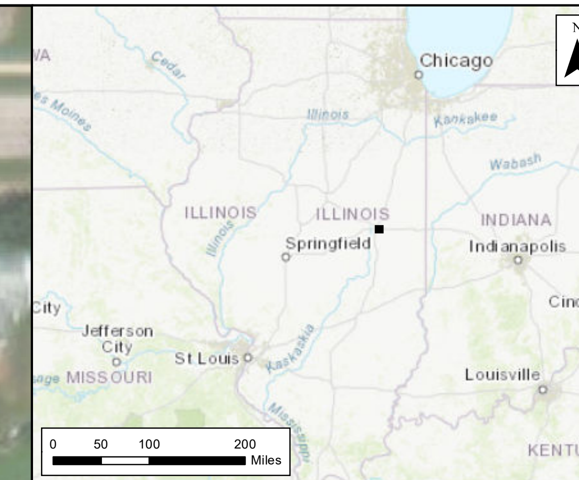
Jarred Schmidt
Senior Consultant, Geology

Alan Cork, P.E.
Principal Consultant, Engineer

Figures	Figure 1 Shallow Groundwater Elevation Contours Figure 2 Intermediate Groundwater Elevation Contours Figure 3 Class I and II Groundwater RO Exceedances Figures 4A-C Graphs of Concentration versus Time for Selected Monitoring Well
Tables	Table 1 Groundwater Elevation Data Table 2 Summary of Analytical Results Table 3 Analytical Result by Parameter
Attachment	Attachment1 Laboratory Analytical Reports and Data Validation Summary

Figures





Legend

- Shallow Monitoring Well with Nov 01 2021 Groundwater Elevation
- Nov 01 2021 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

N
0 80 160
Feet

Figure 1
Shallow Groundwater Elevation Contours
Nov 01 2021
Ameren Services
Champaign, Illinois

Environmental Resources Management
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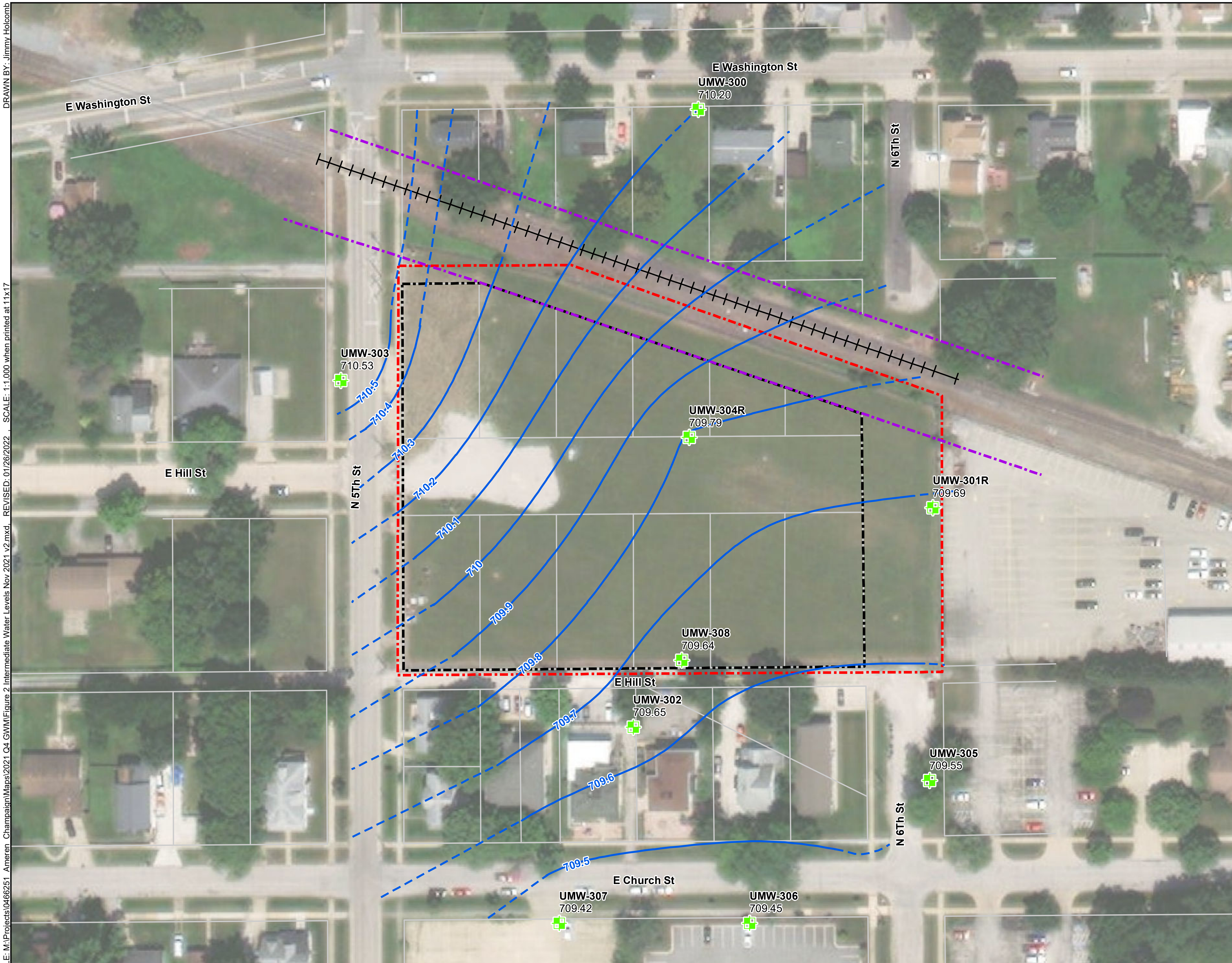
FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q4 GWM\Figure 1 Shallow Groundwater Levels Nov 2021.mxd REVISED: 01/26/2022 SCALE: 1:1,000 when printed at 11x17 DRAWN BY: Jimmy Holcomb



Legend

- Intermediate Monitoring Well with Nov 01 2021 Groundwater Elevation
- Nov 01 2021 Potentiometric Surface Contour (Dashed Where Inferred)
- Railroad
- Ameren Property Boundary
- 2009 Remediation Site Boundary
- Norfolk Southern Railroad Property Boundary
- Parcel Lot Line

Notes:
All water levels in feet above NAVD88 datum.

Figure 2
Intermediate Groundwater Elevation Contours
Nov 01 2021
Ameren Services
Champaign, Illinois

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FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q4 GWM\Figure 2 Intermediate Water Levels Nov 2021 v2.mxd. REVISED: 01/26/2022 SCALE: 1:1,000 when printed at 11x17 DRAWN BY: Jimmy Holcomb

DRAWN BY: Jimmy Holcomb

FILE: M:\Projects\0466251 Ameren Champaign\Maps\2021 Q4 GWM\Figure 3 Nov 2021 Exceedances.mxd REVISED: 01/03/2022 , SCALE: 1:1 200 when printed at 11x17

E Washington St

E Washington St

N 6Th St

N 5Th St

E Hill St

E Hill St

E Church St

N 6Th St

UMW-109

UMW-111A

UMW-300

UMW-118

UMW-119

UMW-120

UMW-108

UMW-125

UMW-102

UMW-117

UMW-303

UMW-304R

UMW-116

UMW-107R

UMW-127

UMW-301R

UMW-124
Benzene: 0.104

UMW-126

UMW-106R

UMW-308

UMW-122

UMW-121

UMW-302
Benzene: 0.256
Ethylbenzene: 0.763
Naphthalene: 2.20

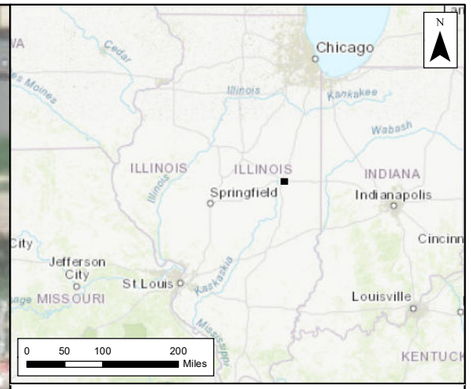
UMW-105

UMW-123

UMW-305

UMW-307

UMW-306



Legend

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

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

N

0 100 200
Feet

Figure 3
Groundwater Ingestion and Inhalation RO Exceedances
Nov 01-03 2021
Ameren Services
Champaign, Illinois

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

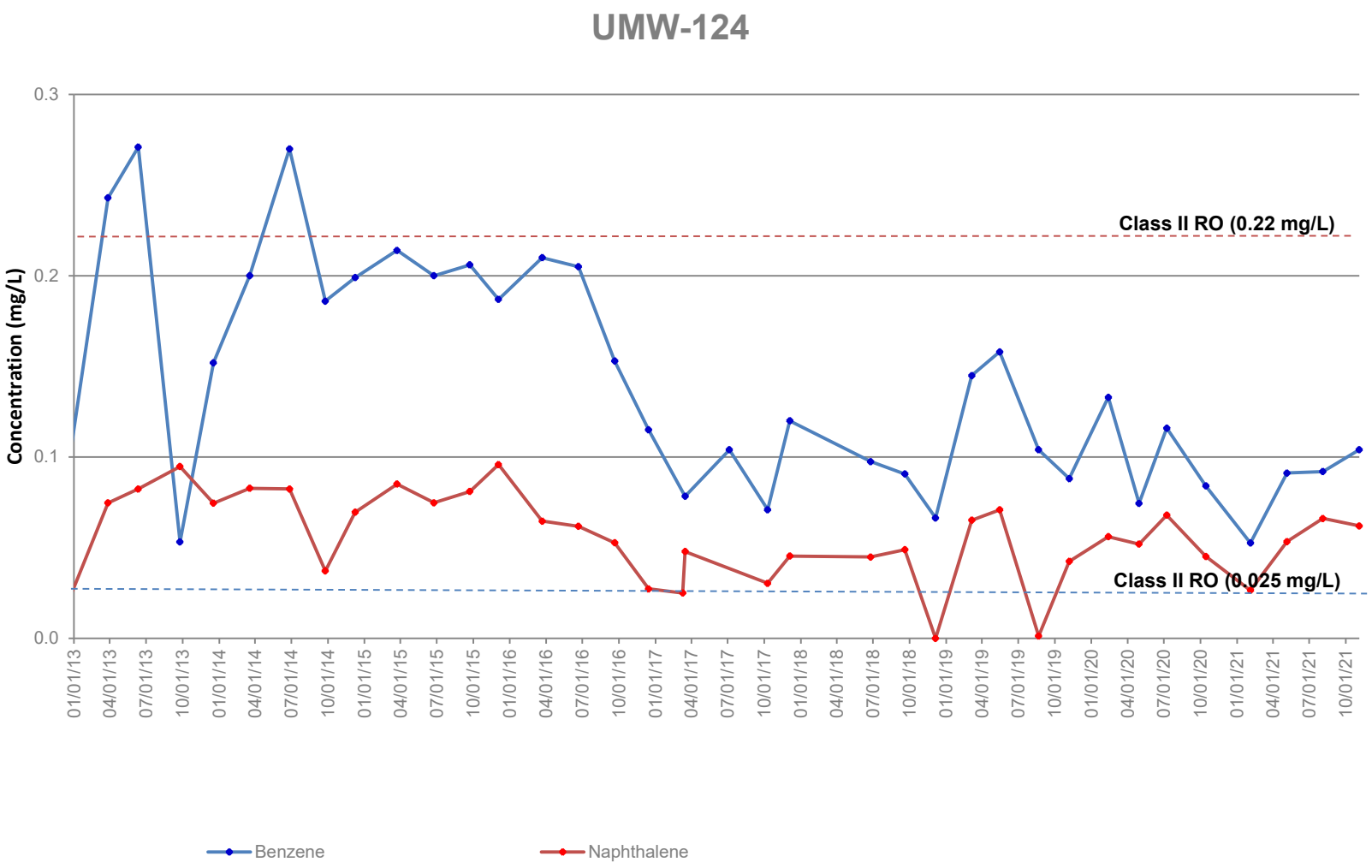


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs

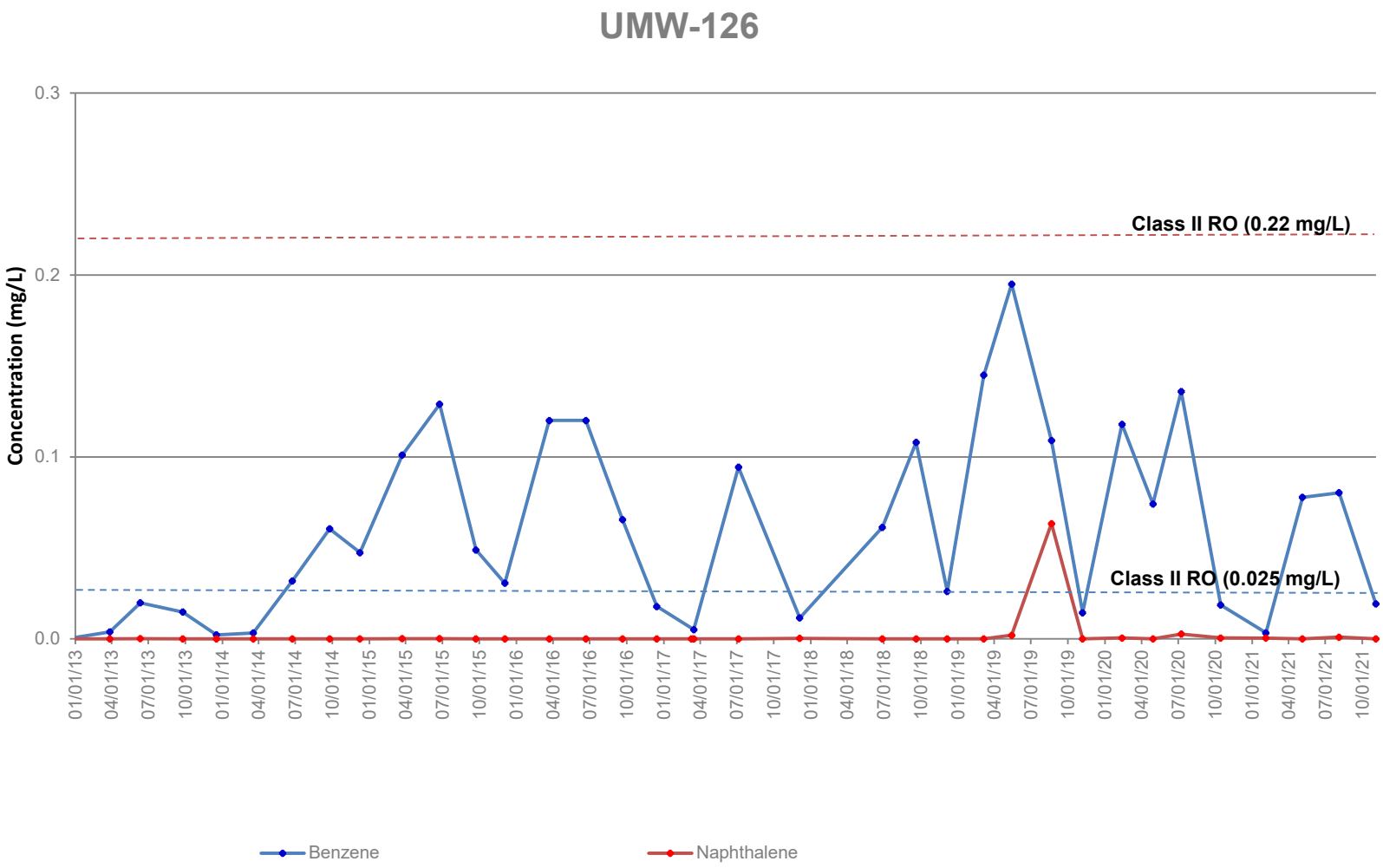
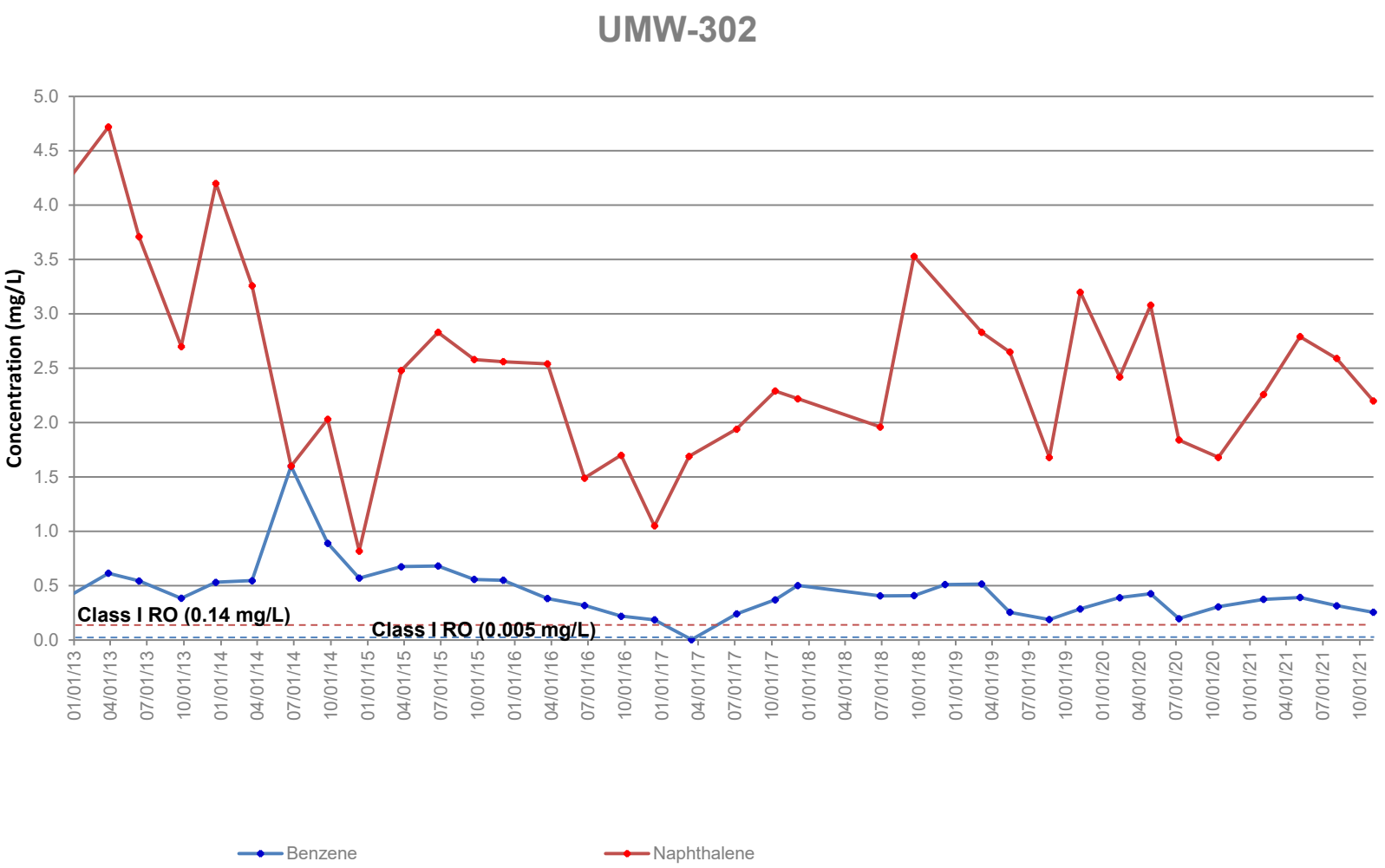


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater ROs



Tables

TABLE 1

Groundwater Elevation Data

November 1, 2021

Ameren - Champaign FMGP Site

Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval (feet BLS)	Pump Intake Depth (+) (feet BLS)	Elevation (feet NAVD88)		Measured 11/1/2021		Purge Vol (Gallons)	Flow Rate (mL/min)°	Sample Date
				Top of Casing (TOC)	Land Surface (LS)	WL Below TOC (feet)	Elevation (feet NAVD88)			
UMW-102	22.00	6.70-22.00	17.00	737.32	737.70	4.95	732.37	3.50	200.00	11/1/2021
UMW-105	19.70	9.50-19.70	17.00	737.33	737.70	7.35	729.98	2.75	150.00	11/3/2021
UMW-106R	17.00	7.00-17.00	15.00	737.18	737.43	5.68	731.50	2.25	240.00	11/2/2021
UMW-107R	19.70	9.50-19.70	17.70	736.88	737.30	5.52	731.36	3.00	300.00	11/2/2021
UMW-108	15.00	4.80-15.00	13.00	736.86	737.10	3.92	732.94	2.50	300.00	11/2/2021
UMW-109	20.00	10.00-20.00	18.00	735.11	735.50	5.22	729.89	2.50	180.00	11/2/2021
UMW-111A	22.80	9.00-22.80	17.00	736.71	737.00	7.76	728.95	3.25	160.00	11/2/2021
UMW-116	20.00	10.00-20.00	18.00	736.23	736.50	5.04	731.19	2.50	300.00	11/2/2021
UMW-117	15.00	5.00-15.00	13.00	737.53	737.81	5.56	731.97	2.00	200.00	11/2/2021
UMW-118	15.00	5.00-15.00	13.00	736.20	736.43	5.81	730.39	2.00	280.00	11/2/2021
UMW-119	15.00	5.00-15.00	13.00	736.80	737.09	3.46	733.34	3.00	300.00	11/1/2021
UMW-120	15.00	5.00-15.00	13.00	737.02	737.53	4.56	732.46	1.75	250.00	11/2/2021
UMW-121	15.00	5.00-15.00	13.00	738.46	738.80	6.34	732.12	1.75	200.00	11/3/2021
UMW-122	19.75	5.00-15.00	13.00	739.15	739.44	8.17	730.98	2.00	250.00	11/2/2021
UMW-123	15.89	5.89-15.89	13.90	737.24	737.53	6.58	730.66	2.00	300.00	11/2/2021
UMW-124 *	15.27	4.97-15.02	13.30	737.10	737.28	2.69	734.41	2.00	200.00	11/3/2021
UMW-125 *	15.33	5.06-15.11	13.10	737.92	738.05	3.53	734.39	2.00	250.00	11/3/2021
UMW-126 *	15.40	5.13-15.18	13.40	736.38	736.55	1.96	734.42	2.75	300.00	11/3/2021
UMW-127 *	15.38	5.11-15.16	13.40	735.93	736.14	1.90	734.03	2.25	320.00	11/3/2021
UMW-300	45.00	35.00-45.00	43.00	736.57	736.79	26.37	710.20	3.50	450.00	11/2/2021
UMW-301R *	46.65	36.50-46.05	44.00	736.11	736.20	26.42	709.69	3.50	450.00	11/3/2021
UMW-302	45.00	35.00-45.00	44.00	738.58	738.88	28.93	709.65	3.50	360.00	11/3/2021
UMW-303	45.00	35.00-45.00	43.00	737.05	737.38	26.52	710.53	3.50	400.00	11/2/2021
UMW-304R *	46.16	36.01-45.56	44.00	736.48	736.72	26.69	709.79	3.50	300.00	11/3/2021
UMW-305	45.00	35.00-45.00	43.00	737.51	737.74	27.96	709.55	3.00	400.00	11/3/2021
UMW-306	47.00	37.00-47.00	45.00	736.90	737.18	27.45	709.45	3.00	350.00	11/2/2021
UMW-307	47.00	37.00-47.00	44.00	736.92	737.19	27.50	709.42	3.00	350.00	11/2/2021
UMW-308 *	45.29	35.14-44.69	42.70	737.21	737.39	27.57	709.64	3.25	450.00	11/3/2021

Notes:

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

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

				Location Group	Shallow Wells (Class II Groundwater Ingestion)											
				Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118	UMW-119	UMW-120
				Sample Date	11/01/2021	11/03/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/02/2021	11/01/2021	11/02/2021
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES													
Field Parameters																
pH	NS	NS	NS		6.8	7.08	6.87	7.12	6.69	7.08	7.21	6.94	6.68	6.58	7.08	6.94
Temperature (C)	NS	NS	NS		15.5	16	17.3	17.6	17.6	15.4	15.5	17.5	17.2	17.5	15.9	16.4
ORP (mV)	NS	NS	NS		57.4	-2.4	117.2	-107.7	50.8	13.1	49.3	104.4	41.5	74.3	60.1	163.9
Dissolved Oxygen (mg/L)	NS	NS	NS		0.25	1.76	4.28	0.23	2.39	2.29	3.13	1.61	2.73	1.5	1.67	5.4
Turbidity (NTU)	NS	NS	NS		0.72	1.05	3.93	53.2	2.59	1.76	0.65	1.87	29.1	10	6.55	9.8
BTEX, mg/L																
Benzene	0.005	0.025	**0.11**		< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
Ethylbenzene	0.7	1	**0.37**		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30		< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040
PAH, mg/L																
Acenaphthene	0.42	2.1	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Acenaphthylene	0.21	1.05	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Benzo(k)fluoranthene	0.00017	0.00085	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ
Chrysene	0.0015	0.0075	NS		< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Fluoranthene	0.28	1.4	NS		< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Naphthalene	0.14	0.22	**0.075**		< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Phenanthrene	0.21	1.05	NS		< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS		< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L																
Total Cyanide	0.2	0.6	NS		< 0.005	0.042	0.011	0.271	0.027	0.028	< 0.005	< 0.005	< 0.005	0.028	0.026	< 0.005
Metals, mg/L																
Arsenic	0.05	0.2	NS		< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS		0.0627	0.0511	0.0900	0.112	0.167	0.0846	0.0520	0.0732	0.119	0.150	0.0869	0.0730
Cadmium	0.005	0.05	NS		< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS		< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0126	< 0.0050	0.0101	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS		< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053		< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS		< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS		< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units
Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J+ - Detected results are estimated with a high bias
U - Nondetected
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
November 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

			Location Group	Shallow Wells (Class II Groundwater Ingestion)									Intermediate Wells (Class I Groundwater Ingestion)		
			Location ID	UMW-121	UMW-122	UMW-123	UMW-124	UMW-124	UMW-125	UMW-126	UMW-126	UMW-127	UMW-300	UMW-301R	UMW-302
			Sample Date	11/03/2021	11/02/2021	11/02/2021	11/03/2021	11/03/2021	11/03/2021	11/03/2021	11/03/2021	11/03/2021	11/02/2021	11/03/2021	11/03/2021
			Sample Type	N	N	N	N	FD	N	N	FD	N	N	N	N
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES												
Field Parameters															
pH	NS	NS	NS	6.79	6.79	7.03	10.99	NA	8.2	7.36	NA	12.07	7.22	7.47	7.37
Temperature (C)	NS	NS	NS	18.3	15.4	17.2	16.6	NA	16.7	17	NA	16.9	14.4	14.5	14.1
ORP (mV)	NS	NS	NS	28.9	140.3	-11.9	-260.2	NA	142.2	-135.6	NA	-158.3	15.8	-119.1	-148.7
Dissolved Oxygen (mg/L)	NS	NS	NS	2.31	3.98	1.25	0.09	NA	0.68	0.12	NA	0.12	0.52	0.2	0.17
Turbidity (NTU)	NS	NS	NS	10.8	1.47	1.36	35	NA	2	23	NA	10	0.43	2.58	0.84
BTEX, mg/L															
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	0.104	0.0990	< 0.0005	0.0193	0.0182	0.0014	< 0.0005	< 0.0005	**0.256**
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	0.0159	0.0142	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	**0.763**
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	0.0914	0.0875	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0200
Xylene, Total	10	10	30	< 0.0040	< 0.0040	< 0.0040	0.0483	0.0433	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	< 0.0040	0.202
PAH, mg/L															
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	0.000532	0.000653	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00321	0.000710
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	0.000459	0.000502	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.00307	0.000500
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300
Fluorene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	0.000320	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ
Naphthalene	0.14	0.22	**0.075**	< 0.000400	< 0.000400	< 0.000400	0.0620	0.0691	< 0.000400	< 0.000400	< 0.000400	< 0.00152	< 0.000400	0.00936 J+	**2.20**
Phenanthrene	0.21	1.05	NS	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600	< 0.000600
Pyrene	0.21	1.05	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
General Chemistry, mg/L															
Total Cyanide	0.2	0.6	NS	0.047	0.007	< 0.005	0.012	0.013	0.092	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.099
Metals, mg/L															
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250
Barium	2	2	NS	0.102	0.0334	0.0259	0.0285	0.0291	0.0157	0.0254	0.0254	0.133	0.0960	0.0696	0.0509
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
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* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
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The laboratory reporting detection limit is shown.
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EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units
Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J+ - Detected results are estimated with a high bias
U - Nondetected
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
November 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

				Location Group	Intermediate Wells (Class I Groundwater Ingestion)							Field Quality Control		
				Location ID	UMW-302	UMW-303	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	EQUIPMENT BLANK	EQUIPMENT BLANK	TRIP BLANK
				Sample Date	11/03/2021	11/02/2021	11/03/2021	11/03/2021	11/02/2021	11/02/2021	11/03/2021	11/01/2021	11/03/2021	11/01/2021
				Sample Type	FD	N	N	N	N	N	N	EB	EB	TB
Parameter/Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES											
Field Parameters														
pH	NS	NS	NS	NA	7.29	7.17	7.36	7.44	7.45	7.37	NA	NA	NA	
Temperature (C)	NS	NS	NS	NA	14.4	14	14.3	14.5	14.7	13.6	NA	NA	NA	
ORP (mV)	NS	NS	NS	NA	-6.4	-79.3	-95.2	-100.3	-88.3	-76.3	NA	NA	NA	
Dissolved Oxygen (mg/L)	NS	NS	NS	NA	0.14	0.29	0.2	0.25	0.2	0.17	NA	NA	NA	
Turbidity (NTU)	NS	NS	NS	NA	2.62	6.61	2.62	4.55	2.94	19	NA	NA	NA	
BTEX, mg/L														
Benzene	0.005	0.025	**0.11**	**0.258**	< 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**	**0.774**	< 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	0.0055	< 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	0.204	< 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	0.000589	< 0.000100	0.000321	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Acenaphthylene	0.21	1.05	NS	0.000404	< 0.000100	0.000691	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Anthracene	2.1	10.5	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
Benzo(a)anthracene	0.00013	0.00065	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200	< 0.000200	< 0.000200	NA
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000100	< 0.000100	NA
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	NA
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	NA
Fluoranthene	0.28	1.4	NS	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	< 0.000300	NA
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	NA
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000200	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200	< 0.000200	NA
Naphthalene	0.14	0.22	**0.075**	**2.02**	< 0.00123	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.00267	NA
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	NA
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	NA
General Chemistry, mg/L														
Total Cyanide	0.2	0.6	NS	0.096	< 0.005	< 0.005	0.008	0.012	0.050	0.010	< 0.005	< 0.005	NA	
Metals, mg/L														
Arsenic	0.05	0.2	NS	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	NA
Barium	2	2	NS	0.0513	0.0396	0.0729	0.102	0.110	0.110	0.114	< 0.0025	< 0.0025	NA	
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	NA	
Chromium	0.1	1	NS	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050	NA	
Lead	0.0075	0.1	NS	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	< 0.0075	NA	
Mercury	0.002	0.01	0.053	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020	NA	
Selenium	0.05	0.05	NS	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	< 0.0400	NA	
Silver	0.05	NS	NS	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	< 0.0070	NA	

Notes:
Blue highlight = Exceeds RO for Class I Groundwater Ingestion
Green highlight = Exceeds RO for Class II Groundwater Ingestion
* = Field Quality Control Samples Split with the Teklab samples and submitted to Pace Analytical
Bold = Exceeds RO for Groundwater Inhalation - Diffusion and Advection for Residential
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
NA = Not analyzed
mg/L = milligrams per liter
mV = millivolts
pH units = pH units
deg C = degrees Celsius
NTU = nephelometric turbidity units
Qualifiers:
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
J+ - Detected results are estimated with a high bias
U - Nondetected
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
November 2019 to November 2021
Ameren - Champaign FMGP Site
Champaign, Illinois

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)
UMW-102	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	0.000268	0.000131	0.000185	< 0.000200	< 0.000100
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-105	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-106R	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-107R	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-108	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-109	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100

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

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

Well ID	Date Sampled	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-102	11/06/2019	0.000324	< 0.000100	0.000413	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000438	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000259	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/01/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-105	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.052
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.037
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.044
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.043
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.036 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.049
	11/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.042
UMW-106R	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.014
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.007
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.016 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.014
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
UMW-107R	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.376
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.342
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.334
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.378
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.391
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.324 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.339
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.316
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.271
UMW-108	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.025
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.021
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.027
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.029
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.025
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027
UMW-109	11/05/2019	< 0.000100	< 0.000100	< 0.000200	0.000104	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.030
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.019
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.016
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.023 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.024
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.028

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)
UMW-111A	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-116	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100 UJ	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-117	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-118	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000287	< 0.000300	0.000184	0.000380	0.000389	0.000227	0.000140
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-119	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/01/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-120	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/10/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/27/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/06/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ

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

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

Well ID	Date Sampled	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-111A	11/04/2019	< 0.000100	< 0.000100	0.000339	< 0.000100	< 0.000100	< 0.000200	< 0.000400	0.000245	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-116	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-117	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-118	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.041
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.028
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000241	0.038
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/03/2021	0.000163	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	0.00107	0.031
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.028
UMW-119	11/04/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.033
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.032
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.031
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.033
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.027 J
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.022
	08/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.034
	11/01/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.026
UMW-120	11/04/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/10/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/27/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/06/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/12/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)
UMW-121	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-122	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	0.000115	0.000107	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-123	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-124	11/06/2019	0.0881	0.0084	0.0483	0.0229	0.000448	0.000278	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	**0.133**	0.0148	0.0926	0.0423	0.000549	0.000340	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	0.0745	0.0087	0.0500	0.0252	0.000567	0.000337	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.116**	0.0164	0.0978	0.0464	0.000612	0.000416	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0841	0.0109	0.0590	0.0308	0.000579	0.000344	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0526	0.0062	0.0350	0.0186	0.000341	0.000174	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/06/2021	0.0912	0.0134	0.0776	0.0395	0.000465	0.000316	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0920	0.0119	0.0707	0.0345	0.000570	0.000373	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	0.104	0.0159	0.0914	0.0483	0.000532	0.000459	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-125	11/06/2019	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	0.0022	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0057	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0080	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0008	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-126	11/06/2019	0.0144	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	**0.118**	< 0.0020	0.0060	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	0.0742	< 0.0020	0.0035	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.136**	0.0039	0.0196	0.0073	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0186	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0033	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	0.0778	< 0.0020	0.0045	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0803	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	0.0193	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ

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

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

Well ID	Date Sampled	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-121	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.117
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.101
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.065
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.093
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.125
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.080
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.070
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.054
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.047
UMW-122	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.015
	04/29/2020	< 0.000100	0.000102	< 0.000300	< 0.000200	0.000105	< 0.000400	< 0.000600	< 0.000200	0.011
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.009
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.014
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.018 J
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.008
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.007
UMW-123	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-124	11/06/2019	< 0.000100	< 0.000100	< 0.000200	0.000160	< 0.000100	0.0425	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	0.000201	< 0.000100	0.0561	< 0.000400	< 0.000200	0.012
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	0.000229	< 0.000100	0.0520	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	0.000237	< 0.000100	0.0680	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	0.000244	< 0.000100	0.0452	< 0.000600	< 0.000200	0.013
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0265	< 0.000600	< 0.000200	0.008
	05/06/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.0534	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	0.000209	< 0.000200	0.0661	< 0.000600	< 0.000200	0.012
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	0.0620	< 0.000600	< 0.000200	0.012
UMW-125	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000239	< 0.000400	< 0.000200	0.061
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.036
	04/30/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.019
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.026
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.025
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000878	< 0.000600	< 0.000200	0.024
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.038
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.041
	11/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.092
UMW-126	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.000476	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000887	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000498	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000455	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.000928	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)
UMW-127	11/06/2019	0.0025	< 0.0020	< 0.0020	< 0.0040	0.000216	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	0.0017	< 0.0020	< 0.0020	< 0.0040	0.000166 J	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ
	04/29/2020	0.0019	< 0.0020	< 0.0020	< 0.0040	0.000229	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000181	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	0.0029	< 0.0020	< 0.0020	< 0.0040	0.000236	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000173	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	0.0012	< 0.0020	< 0.0020	< 0.0040	0.000187	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	0.000194	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	0.0014	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-300	11/04/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-301R	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00396	0.00584	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00375	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00401	0.00443	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00322	0.00343	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00300	0.00304	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00291	0.00301	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00308	0.00264	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00346	0.00337	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.00321	0.00307	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-302	11/06/2019	**0.286**	**0.687**	< 0.0400	0.188	0.000614	0.000743	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	**0.391**	**0.863**	< 0.0400	0.256	0.000542	0.000557	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	**0.426**	**0.961**	< 0.0200	0.268	0.000770	0.000721	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	**0.197**	**0.598**	0.0048	0.184	0.000474	0.000406	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	**0.306**	**0.751**	0.0046	0.207	0.000444	0.000381	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	**0.374**	**0.786**	< 0.0200	0.223	0.000635	0.000450	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	**0.392**	**0.916**	< 0.0200	0.287	0.000776	0.000501	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	**0.316**	**0.804**	< 0.0200	0.205	0.000691	0.000585	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	**0.256**	**0.763**	< 0.0200	0.202	0.000710	0.000500	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-303	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000136	0.000112 J+	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/07/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	0.000475	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-304R	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000379	0.000816	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000264	0.000613	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/30/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000580	0.00117	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000266	0.000564	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000241	0.000525	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000284	0.000612	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000418	0.000740	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000329	0.000834	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000321	0.000691	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ

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

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

Well ID	Date Sampled	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-127	11/06/2019	< 0.000100	< 0.000100	< 0.000200	0.000156	< 0.000100	< 0.00208	0.000429	< 0.000200	< 0.005
	02/12/2020	< 0.000100 UJ	< 0.000100 UJ	< 0.000200 UJ	< 0.000100 UJ	< 0.000100 UJ	0.00109 J	< 0.000400 UJ	< 0.000200 UJ	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	0.00188 J+	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00152	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00150	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00129	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00201	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00152	< 0.000600	< 0.000200	< 0.005
UMW-300	11/04/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005 UJ
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005
UMW-301R	11/06/2019	< 0.000100	< 0.000100	< 0.000200	0.000215	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	0.000214	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	0.000338	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	0.000203	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	0.000208	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	0.00936 J+	< 0.000600	< 0.000200	< 0.005
UMW-302	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**3.20**	< 0.000400	< 0.000200	0.135
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	**2.42**	< 0.000400	< 0.000200	0.070
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**3.08**	< 0.000600	< 0.000200	0.087
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.84**	< 0.000600	< 0.000200	0.074
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	**1.68**	< 0.000600	< 0.000200	0.105
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.26**	< 0.000600	< 0.000200	0.175 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.79**	< 0.000600	< 0.000200	0.154 J
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	**2.59**	< 0.000600	< 0.000200	0.073
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	**2.20**	< 0.000600	< 0.000200	0.099
UMW-303	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00305 J+	< 0.000400	< 0.000200	< 0.005
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	0.00372	< 0.000400	< 0.000200	< 0.005
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	0.000225	< 0.000100	0.00306 J+	0.000838	0.000254	< 0.005
	07/07/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.00182	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000419	< 0.000600	< 0.000200	< 0.005
	05/04/2021	< 0.000100	< 0.000200	< 0.000300	0.000280	< 0.000200	0.00548	0.00298	0.000316	< 0.005
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	0.00256	< 0.000600	< 0.000200	< 0.005
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.00123	< 0.000600	< 0.000200	< 0.005
UMW-304R	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000233	< 0.000400	< 0.000200	< 0.005
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	< 0.005
	04/30/2020	< 0.000100	< 0.000100	< 0.000300	0.000266	< 0.000100	< 0.000441	0.000894	0.000273	< 0.005
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	< 0.005
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	< 0.005

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

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

Well ID	Date Sampled	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Xylene, total (mg/L)	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) anthracene (mg/L)	Benzo(a) pyrene (mg/L)	Benzo(b) fluoranthene (mg/L)	Benzo(g,h,i) perylene (mg/L)	Benzo(k) fluoranthene (mg/L)
UMW-305	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-306	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000105	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ
UMW-307	11/05/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/11/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ
	04/28/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	0.000490	< 0.000300	0.000118	0.000192	0.000172	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/13/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/02/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
UMW-308	11/06/2019	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/12/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ
	04/29/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	0.000172	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	07/08/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	10/14/2020	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000100	< 0.000100	< 0.000200	< 0.000100
	02/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	05/05/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	08/04/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200	< 0.000100
	11/03/2021	< 0.0005	< 0.0020	< 0.0020	< 0.0040	< 0.000100	< 0.000100	< 0.000300	< 0.000100	< 0.000200	< 0.000100	< 0.000200 UJ	< 0.000100 UJ

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

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

Well ID	Date Sampled	Chrysene (mg/L)	Dibenzo(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno(1,2,3-cd) pyrene (mg/L)	Naphthalene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)	Cyanide, total (mg/L)
UMW-305	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	02/12/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.008
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.006
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010 J
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.008
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.006
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.010
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.011
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.008
UMW-306	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.018
	02/11/2020	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.011
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	0.000608	< 0.000200	0.015
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.011
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.018
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.009
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.00111	< 0.000600	< 0.000200	0.008
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.012
	11/02/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.012
UMW-307	11/05/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.029
	02/11/2020	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.00160 UJ	< 0.000800 UJ	0.046
	04/28/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	0.000211	0.050
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.023
	10/13/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.034
	02/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.032 J
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.048
	08/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.069
	11/02/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.050
UMW-308	11/06/2019	< 0.000100	< 0.000100	< 0.000200	< 0.000100	< 0.000100	< 0.000200	< 0.000400	< 0.000200	0.012
	02/12/2020	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000200 UJ	< 0.000200 UJ	< 0.000400 UJ	< 0.000800 UJ	< 0.000400 UJ	0.006
	04/29/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.013
	07/08/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.020
	10/14/2020	< 0.000100	< 0.000100	< 0.000300	< 0.000200	< 0.000100	< 0.000400	< 0.000600	< 0.000200	0.010
	02/03/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.007
	05/05/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	< 0.005
	08/04/2021	< 0.000100	< 0.000200	< 0.000300	< 0.000200	< 0.000200	< 0.000400	< 0.000600	< 0.000200	0.017
	11/03/2021	< 0.000100	< 0.000200 UJ	< 0.000300	< 0.000200	< 0.000200 UJ	< 0.000400	< 0.000600	< 0.000200	0.010

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
mg/L = milligrams per liter

Qualifiers:
U = Nondetected
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The concentration of the sample is considered to be biased high, as the associated QC results exceed the upper control limits
UJ = Analyte was analyzed for, but not detected. The detection limit is a quantitative estimate.
All analyses performed by TekLab.

CLASS I GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS I GROUNDWATER INGESTION
CLASS II GROUNDWATER INGESTION = IEPA TACO Tier 1 CLASS II GROUNDWATER INGESTION
GW INHALATION DIFFUSION & ADVECTION RESIDENTIAL = IEPA TACO Tier 1 GW INHALATION DIFFUSION & ADVECTION RESIDENTIAL
Non-TACO Class I and Class II Groundwater Objectives applied for Acenaphthylene, Benzo(g,h,i)perylene, and Phenanthrene. (Revision Date 3/31/2016)

Attachment 1

Laboratory Analytical Reports and Data Validation Summary

November 16, 2021

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

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

RE: Champaign GW **WorkOrder:** 21110303

Dear Jarred Schmidt:

TEKLAB, INC received 34 samples on 11/4/2021 9:40:00 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
Project Manager
(618)344-1004 ex 33
ehurley@teklabinc.com

Report Contents

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21

This reporting package includes the following:

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Abbr Definition

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

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Qualifiers

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

Case Narrative

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21110303
Report Date: 16-Nov-21

Cooler Receipt Temp: 0.6 °C

Locations

Collinsville

Address 5445 Horseshoe Lake Road
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Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-001
Client Sample ID: UMW-102-WG-20211101
Matrix: GROUNDWATER
Collection Date: 11/01/2021 13:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 11:11	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 17:41	184654
Barium	NELAP	0.0025		**0.0627**	mg/L	1	11/05/2021 17:41	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 17:41	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 17:41	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 17:41	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 17:41	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 17:41	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 21:52	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 10:48	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 10:48	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 10:48	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 10:48	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 10:48	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 10:48	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.0**	%REC	1	11/05/2021 10:48	184674
Surr: Nitrobenzene-d5	*	15-163		**71.6**	%REC	1	11/05/2021 10:48	184674
Surr: p-Terphenyl-d14	*	10-173		**104.7**	%REC	1	11/05/2021 10:48	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 17:58	184691
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 17:58	184691
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 17:58	184691
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 17:58	184691
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.8**	%REC	1	11/04/2021 17:58	184691
Surr: 4-Bromofluorobenzene	*	80-120		**98.9**	%REC	1	11/04/2021 17:58	184691
Surr: Dibromofluoromethane	*	80-120		**99.8**	%REC	1	11/04/2021 17:58	184691
Surr: Toluene-d8	*	80-120		**99.9**	%REC	1	11/04/2021 17:58	184691

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-002
Client Sample ID: UMW-105-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.042**	mg/L	1	11/09/2021 14:22	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 17:45	184654
Barium	NELAP	0.0025		**0.0511**	mg/L	1	11/05/2021 17:45	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 17:45	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 17:45	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 17:45	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 17:45	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 17:45	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 21:54	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 11:25	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 11:25	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 11:25	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 11:25	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 11:25	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 11:25	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**78.0**	%REC	1	11/05/2021 11:25	184674
Surr: Nitrobenzene-d5	*	15-163		**73.1**	%REC	1	11/05/2021 11:25	184674
Surr: p-Terphenyl-d14	*	10-173		**163.8**	%REC	1	11/05/2021 11:25	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 18:25	184691
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 18:25	184691
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 18:25	184691
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 18:25	184691
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.0**	%REC	1	11/04/2021 18:25	184691
Surr: 4-Bromofluorobenzene	*	80-120		**98.5**	%REC	1	11/04/2021 18:25	184691
Surr: Dibromofluoromethane	*	80-120		**99.2**	%REC	1	11/04/2021 18:25	184691
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	11/04/2021 18:25	184691

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-003
Client Sample ID: UMW-106R-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 12:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.011**	mg/L	1	11/09/2021 14:26	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 17:49	184654
Barium	NELAP	0.0025		**0.0900**	mg/L	1	11/05/2021 17:49	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 17:49	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 17:49	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 17:49	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 17:49	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 17:49	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 21:57	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 12:03	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 12:03	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 12:03	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 12:03	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 12:03	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 12:03	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**57.0**	%REC	1	11/05/2021 12:03	184674
Surr: Nitrobenzene-d5	*	15-163		**45.7**	%REC	1	11/05/2021 12:03	184674
Surr: p-Terphenyl-d14	*	10-173		**78.6**	%REC	1	11/05/2021 12:03	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 18:51	184691
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 18:51	184691
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 18:51	184691
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 18:51	184691
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.7**	%REC	1	11/04/2021 18:51	184691
Surr: 4-Bromofluorobenzene	*	80-120		**99.5**	%REC	1	11/04/2021 18:51	184691
Surr: Dibromofluoromethane	*	80-120		**100.4**	%REC	1	11/04/2021 18:51	184691
Surr: Toluene-d8	*	80-120		**99.0**	%REC	1	11/04/2021 18:51	184691

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-004
Client Sample ID: UMW-107R-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.100		**0.271**	mg/L	20	11/10/2021 10:30	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 17:52	184654
Barium	NELAP	0.0025		**0.112**	mg/L	1	11/05/2021 17:52	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 17:52	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 17:52	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 17:52	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 17:52	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 17:52	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 21:59	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 17:00	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:00	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 17:00	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 17:00	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 17:00	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:00	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.5**	%REC	1	11/05/2021 17:00	184674
Surr: Nitrobenzene-d5	*	15-163		**68.0**	%REC	1	11/05/2021 17:00	184674
Surr: p-Terphenyl-d14	*	10-173		**104.1**	%REC	1	11/05/2021 17:00	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 19:18	184691
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 19:18	184691
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 19:18	184691
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 19:18	184691
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.9**	%REC	1	11/04/2021 19:18	184691
Surr: 4-Bromofluorobenzene	*	80-120		**100.5**	%REC	1	11/04/2021 19:18	184691
Surr: Dibromofluoromethane	*	80-120		**102.2**	%REC	1	11/04/2021 19:18	184691
Surr: Toluene-d8	*	80-120		**98.3**	%REC	1	11/04/2021 19:18	184691

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-005 **Client Sample ID:** UMW-108-WG-20211102

Matrix: GROUNDWATER **Collection Date:** 11/02/2021 11:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.027**	mg/L	1	11/09/2021 14:35	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 17:56	184654
Barium	NELAP	0.0025		**0.167**	mg/L	1	11/05/2021 17:56	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 17:56	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 17:56	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 17:56	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 17:56	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 17:56	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:01	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 17:37	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 17:37	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 17:37	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 17:37	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 17:37	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 17:37	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.3**	%REC	1	11/05/2021 17:37	184674
Surr: Nitrobenzene-d5	*	15-163		**71.4**	%REC	1	11/05/2021 17:37	184674
Surr: p-Terphenyl-d14	*	10-173		**98.2**	%REC	1	11/05/2021 17:37	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 19:45	184691
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 19:45	184691
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 19:45	184691
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 19:45	184691
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.6**	%REC	1	11/04/2021 19:45	184691
Surr: 4-Bromofluorobenzene	*	80-120		**101.0**	%REC	1	11/04/2021 19:45	184691
Surr: Dibromofluoromethane	*	80-120		**101.8**	%REC	1	11/04/2021 19:45	184691
Surr: Toluene-d8	*	80-120		**99.4**	%REC	1	11/04/2021 19:45	184691

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-006 **Client Sample ID:** UMW-109-WG-20211102

Matrix: GROUNDWATER **Collection Date:** 11/02/2021 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.028**	mg/L	1	11/09/2021 14:44	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:00	184654
Barium	NELAP	0.0025		**0.0846**	mg/L	1	11/05/2021 18:00	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:00	184654
Chromium	NELAP	0.0050		**0.0126**	mg/L	1	11/05/2021 18:00	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:00	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:00	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:00	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:03	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 18:13	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:13	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 18:13	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 18:13	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 18:13	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:13	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.3**	%REC	1	11/05/2021 18:13	184674
Surr: Nitrobenzene-d5	*	15-163		**69.9**	%REC	1	11/05/2021 18:13	184674
Surr: p-Terphenyl-d14	*	10-173		**102.6**	%REC	1	11/05/2021 18:13	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 22:53	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 22:53	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 22:53	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 22:53	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.2**	%REC	1	11/04/2021 22:53	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.9**	%REC	1	11/04/2021 22:53	184692
Surr: Dibromofluoromethane	*	80-120		**99.3**	%REC	1	11/04/2021 22:53	184692
Surr: Toluene-d8	*	80-120		**99.1**	%REC	1	11/04/2021 22:53	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-007
Client Sample ID: UMW-111A-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 8:55

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 14:48	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:04	184654
Barium	NELAP	0.0025		**0.0520**	mg/L	1	11/05/2021 18:04	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:04	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:04	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:04	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:04	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:04	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:06	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 18:50	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 18:50	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 18:50	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 18:50	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 18:50	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 18:50	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.3**	%REC	1	11/05/2021 18:50	184674
Surr: Nitrobenzene-d5	*	15-163		**68.1**	%REC	1	11/05/2021 18:50	184674
Surr: p-Terphenyl-d14	*	10-173		**91.8**	%REC	1	11/05/2021 18:50	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 23:20	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 23:20	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 23:20	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 23:20	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.7**	%REC	1	11/04/2021 23:20	184692
Surr: 4-Bromofluorobenzene	*	80-120		**100.2**	%REC	1	11/04/2021 23:20	184692
Surr: Dibromofluoromethane	*	80-120		**102.2**	%REC	1	11/04/2021 23:20	184692
Surr: Toluene-d8	*	80-120		**99.6**	%REC	1	11/04/2021 23:20	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-008
Client Sample ID: UMW-116-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 14:52	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:29	184654
Barium	NELAP	0.0025		**0.0732**	mg/L	1	11/05/2021 18:29	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:29	184654
Chromium	NELAP	0.0050		**0.0101**	mg/L	1	11/05/2021 18:29	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:29	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:29	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:29	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:12	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:06	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:06	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:06	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 3:06	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 3:06	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:06	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.3**	%REC	1	11/06/2021 3:06	184720
Surr: Nitrobenzene-d5	*	15-163		**75.1**	%REC	1	11/06/2021 3:06	184720
Surr: p-Terphenyl-d14	*	10-173		**99.8**	%REC	1	11/06/2021 3:06	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/04/2021 23:47	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 23:47	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/04/2021 23:47	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/04/2021 23:47	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.9**	%REC	1	11/04/2021 23:47	184692
Surr: 4-Bromofluorobenzene	*	80-120		**98.6**	%REC	1	11/04/2021 23:47	184692
Surr: Dibromofluoromethane	*	80-120		**101.3**	%REC	1	11/04/2021 23:47	184692
Surr: Toluene-d8	*	80-120		**98.6**	%REC	1	11/04/2021 23:47	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-009 **Client Sample ID:** UMW-117-WG-20211102

Matrix: GROUNDWATER **Collection Date:** 11/02/2021 13:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 14:57	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:33	184654
Barium	NELAP	0.0025		**0.119**	mg/L	1	11/05/2021 18:33	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:33	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:33	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:33	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:33	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:33	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:20	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:47	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:47	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:47	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 3:47	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 3:47	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:47	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.4**	%REC	1	11/06/2021 3:47	184720
Surr: Nitrobenzene-d5	*	15-163		**77.1**	%REC	1	11/06/2021 3:47	184720
Surr: p-Terphenyl-d14	*	10-173		**90.5**	%REC	1	11/06/2021 3:47	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 0:14	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 0:14	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 0:14	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 0:14	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.6**	%REC	1	11/05/2021 0:14	184692
Surr: 4-Bromofluorobenzene	*	80-120		**102.0**	%REC	1	11/05/2021 0:14	184692
Surr: Dibromofluoromethane	*	80-120		**99.8**	%REC	1	11/05/2021 0:14	184692
Surr: Toluene-d8	*	80-120		**98.7**	%REC	1	11/05/2021 0:14	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-010
Client Sample ID: UMW-118-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 10:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.028**	mg/L	1	11/09/2021 15:01	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:37	184654
Barium	NELAP	0.0025		**0.150**	mg/L	1	11/05/2021 18:37	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:37	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:37	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:37	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:37	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:37	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:22	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:29	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:29	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:29	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 4:29	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 4:29	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:29	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**77.2**	%REC	1	11/06/2021 4:29	184720
Surr: Nitrobenzene-d5	*	15-163		**76.6**	%REC	1	11/06/2021 4:29	184720
Surr: p-Terphenyl-d14	*	10-173		**99.1**	%REC	1	11/06/2021 4:29	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 0:41	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 0:41	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 0:41	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 0:41	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.2**	%REC	1	11/05/2021 0:41	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.7**	%REC	1	11/05/2021 0:41	184692
Surr: Dibromofluoromethane	*	80-120		**100.6**	%REC	1	11/05/2021 0:41	184692
Surr: Toluene-d8	*	80-120		**99.6**	%REC	1	11/05/2021 0:41	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-011
Client Sample ID: UMW-119-WG-20211101
Matrix: GROUNDWATER
Collection Date: 11/01/2021 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.026**	mg/L	1	11/09/2021 15:27	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:41	184654
Barium	NELAP	0.0025		**0.0869**	mg/L	1	11/05/2021 18:41	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:41	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:41	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:41	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:41	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:41	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:24	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 5:10	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:10	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 5:10	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 5:10	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 5:10	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:10	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**68.7**	%REC	1	11/06/2021 5:10	184674
Surr: Nitrobenzene-d5	*	15-163		**74.4**	%REC	1	11/06/2021 5:10	184674
Surr: p-Terphenyl-d14	*	10-173		**83.8**	%REC	1	11/06/2021 5:10	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 1:08	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 1:08	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 1:08	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 1:08	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.4**	%REC	1	11/05/2021 1:08	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.1**	%REC	1	11/05/2021 1:08	184692
Surr: Dibromofluoromethane	*	80-120		**99.5**	%REC	1	11/05/2021 1:08	184692
Surr: Toluene-d8	*	80-120		**98.5**	%REC	1	11/05/2021 1:08	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-012
Client Sample ID: UMW-120-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 15:31	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:44	184654
Barium	NELAP	0.0025		**0.0730**	mg/L	1	11/05/2021 18:44	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:44	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:44	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:44	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:44	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:44	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:27	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 5:52	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 5:52	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 5:52	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 5:52	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 5:52	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 5:52	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**77.6**	%REC	1	11/06/2021 5:52	184720
Surr: Nitrobenzene-d5	*	15-163		**81.1**	%REC	1	11/06/2021 5:52	184720
Surr: p-Terphenyl-d14	*	10-173		**100.7**	%REC	1	11/06/2021 5:52	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 1:35	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 1:35	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 1:35	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 1:35	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.9**	%REC	1	11/05/2021 1:35	184692
Surr: 4-Bromofluorobenzene	*	80-120		**97.7**	%REC	1	11/05/2021 1:35	184692
Surr: Dibromofluoromethane	*	80-120		**99.5**	%REC	1	11/05/2021 1:35	184692
Surr: Toluene-d8	*	80-120		**99.8**	%REC	1	11/05/2021 1:35	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-013
Client Sample ID: UMW-121-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 11:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.047**	mg/L	1	11/09/2021 15:36	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:48	184654
Barium	NELAP	0.0025		**0.102**	mg/L	1	11/05/2021 18:48	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:48	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:48	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:48	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:48	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:48	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:29	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 6:33	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:33	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 6:33	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 6:33	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 6:33	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:33	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.7**	%REC	1	11/06/2021 6:33	184720
Surr: Nitrobenzene-d5	*	15-163		**79.7**	%REC	1	11/06/2021 6:33	184720
Surr: p-Terphenyl-d14	*	10-173		**103.8**	%REC	1	11/06/2021 6:33	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 2:03	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:03	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:03	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 2:03	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.3**	%REC	1	11/05/2021 2:03	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.7**	%REC	1	11/05/2021 2:03	184692
Surr: Dibromofluoromethane	*	80-120		**99.9**	%REC	1	11/05/2021 2:03	184692
Surr: Toluene-d8	*	80-120		**98.1**	%REC	1	11/05/2021 2:03	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-014 **Client Sample ID:** UMW-122-WG-20211102

Matrix: GROUNDWATER **Collection Date:** 11/02/2021 11:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.007**	mg/L	1	11/09/2021 15:40	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:52	184654
Barium	NELAP	0.0025		**0.0334**	mg/L	1	11/05/2021 18:52	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:52	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:52	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:52	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:52	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:52	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:31	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:15	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:15	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:15	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 7:15	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 7:15	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:15	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**77.3**	%REC	1	11/06/2021 7:15	184720
Surr: Nitrobenzene-d5	*	15-163		**77.1**	%REC	1	11/06/2021 7:15	184720
Surr: p-Terphenyl-d14	*	10-173		**103.1**	%REC	1	11/06/2021 7:15	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 2:30	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:30	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:30	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 2:30	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.4**	%REC	1	11/05/2021 2:30	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.0**	%REC	1	11/05/2021 2:30	184692
Surr: Dibromofluoromethane	*	80-120		**100.5**	%REC	1	11/05/2021 2:30	184692
Surr: Toluene-d8	*	80-120		**97.0**	%REC	1	11/05/2021 2:30	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-015 **Client Sample ID:** UMW-123-WG-20211102

Matrix: GROUNDWATER **Collection Date:** 11/02/2021 15:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/09/2021 15:44	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:55	184654
Barium	NELAP	0.0025		**0.0259**	mg/L	1	11/05/2021 18:55	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:55	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:55	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:55	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:55	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:55	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:33	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:56	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:56	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:56	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 7:56	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 7:56	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:56	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**75.2**	%REC	1	11/06/2021 7:56	184720
Surr: Nitrobenzene-d5	*	15-163		**77.0**	%REC	1	11/06/2021 7:56	184720
Surr: p-Terphenyl-d14	*	10-173		**101.3**	%REC	1	11/06/2021 7:56	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 2:57	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:57	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 2:57	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 2:57	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.2**	%REC	1	11/05/2021 2:57	184692
Surr: 4-Bromofluorobenzene	*	80-120		**101.2**	%REC	1	11/05/2021 2:57	184692
Surr: Dibromofluoromethane	*	80-120		**100.4**	%REC	1	11/05/2021 2:57	184692
Surr: Toluene-d8	*	80-120		**98.3**	%REC	1	11/05/2021 2:57	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-016 **Client Sample ID:** UMW-124-WG-20211103

Matrix: GROUNDWATER **Collection Date:** 11/03/2021 13:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	11/09/2021 15:49	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 18:59	184654
Barium	NELAP	0.0025		**0.0285**	mg/L	1	11/05/2021 18:59	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 18:59	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 18:59	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 18:59	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 18:59	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 18:59	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:40	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000532**	mg/L	1	11/06/2021 8:38	184720
Acenaphthylene	NELAP	0.000100		**0.000459**	mg/L	1	11/06/2021 8:38	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 8:38	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 8:38	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 8:38	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 8:38	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 8:38	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 8:38	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Naphthalene	NELAP	0.0100		**0.0620**	mg/L	25	11/08/2021 16:08	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 8:38	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 8:38	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**54.8**	%REC	1	11/06/2021 8:38	184720
Surr: Nitrobenzene-d5	*	15-163		**57.9**	%REC	1	11/06/2021 8:38	184720
Surr: p-Terphenyl-d14	*	10-173		**62.8**	%REC	1	11/06/2021 8:38	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**104**	µg/L	1	11/05/2021 3:24	184692
Ethylbenzene	NELAP	2.0		**15.9**	µg/L	1	11/05/2021 3:24	184692
Toluene	NELAP	2.0		**91.4**	µg/L	1	11/05/2021 3:24	184692
Xylenes, Total	NELAP	4.0		**48.3**	µg/L	1	11/05/2021 3:24	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.2**	%REC	1	11/05/2021 3:24	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.5**	%REC	1	11/05/2021 3:24	184692
Surr: Dibromofluoromethane	*	80-120		**100.3**	%REC	1	11/05/2021 3:24	184692
Surr: Toluene-d8	*	80-120		**99.1**	%REC	1	11/05/2021 3:24	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-017
Client Sample ID: UMW-125-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 9:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.092**	mg/L	5	11/10/2021 13:45	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 19:18	184654
Barium	NELAP	0.0025		**0.0157**	mg/L	1	11/05/2021 19:18	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 19:18	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 19:18	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 19:18	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 19:18	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 19:18	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:42	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 19:28	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 19:28	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 19:28	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 19:28	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 19:28	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 19:28	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**52.9**	%REC	1	11/05/2021 19:28	184720
Surr: Nitrobenzene-d5	*	15-163		**55.2**	%REC	1	11/05/2021 19:28	184720
Surr: p-Terphenyl-d14	*	10-173		**69.7**	%REC	1	11/05/2021 19:28	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 3:51	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 3:51	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 3:51	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 3:51	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.0**	%REC	1	11/05/2021 3:51	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.8**	%REC	1	11/05/2021 3:51	184692
Surr: Dibromofluoromethane	*	80-120		**100.3**	%REC	1	11/05/2021 3:51	184692
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	11/05/2021 3:51	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-018
Client Sample ID: UMW-126-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 13:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 11:35	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 19:21	184654
Barium	NELAP	0.0025		**0.0254**	mg/L	1	11/05/2021 19:21	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 19:21	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 19:21	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 19:21	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 19:21	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 19:21	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:45	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 0:25	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 0:25	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 0:25	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 0:25	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 0:25	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 0:25	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.9**	%REC	1	11/06/2021 0:25	184720
Surr: Nitrobenzene-d5	*	15-163		**62.7**	%REC	1	11/06/2021 0:25	184720
Surr: p-Terphenyl-d14	*	10-173		**90.1**	%REC	1	11/06/2021 0:25	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**19.3**	µg/L	1	11/05/2021 4:18	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 4:18	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 4:18	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 4:18	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**101.2**	%REC	1	11/05/2021 4:18	184692
Surr: 4-Bromofluorobenzene	*	80-120		**98.8**	%REC	1	11/05/2021 4:18	184692
Surr: Dibromofluoromethane	*	80-120		**99.5**	%REC	1	11/05/2021 4:18	184692
Surr: Toluene-d8	*	80-120		**97.4**	%REC	1	11/05/2021 4:18	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-019 **Client Sample ID:** UMW-127-WG-20211103

Matrix: GROUNDWATER **Collection Date:** 11/03/2021 11:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/11/2021 9:59	184819
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 19:25	184654
Barium	NELAP	0.0025		**0.133**	mg/L	1	11/05/2021 19:25	184654
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 19:25	184654
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 19:25	184654
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 19:25	184654
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 19:25	184654
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 19:25	184654
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/05/2021 22:52	184657
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 1:02	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:02	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 1:02	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Naphthalene	NELAP	0.000400		**0.00152**	mg/L	1	11/06/2021 1:02	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 1:02	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:02	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.5**	%REC	1	11/06/2021 1:02	184720
Surr: Nitrobenzene-d5	*	15-163		**68.3**	%REC	1	11/06/2021 1:02	184720
Surr: p-Terphenyl-d14	*	10-173		**84.2**	%REC	1	11/06/2021 1:02	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**1.4**	µg/L	1	11/05/2021 4:45	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 4:45	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 4:45	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 4:45	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.2**	%REC	1	11/05/2021 4:45	184692
Surr: 4-Bromofluorobenzene	*	80-120		**101.5**	%REC	1	11/05/2021 4:45	184692
Surr: Dibromofluoromethane	*	80-120		**100.4**	%REC	1	11/05/2021 4:45	184692
Surr: Toluene-d8	*	80-120		**98.2**	%REC	1	11/05/2021 4:45	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-020
Client Sample ID: UMW-300-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 10:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 11:40	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 19:47	184655
Barium	NELAP	0.0025		**0.0960**	mg/L	1	11/05/2021 19:47	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 19:47	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 19:47	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 19:47	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 19:47	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 19:47	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 12:49	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 1:39	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 1:39	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 1:39	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 1:39	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 1:39	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 1:39	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.6**	%REC	1	11/06/2021 1:39	184720
Surr: Nitrobenzene-d5	*	15-163		**60.6**	%REC	1	11/06/2021 1:39	184720
Surr: p-Terphenyl-d14	*	10-173		**72.6**	%REC	1	11/06/2021 1:39	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 5:12	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 5:12	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 5:12	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 5:12	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.6**	%REC	1	11/05/2021 5:12	184692
Surr: 4-Bromofluorobenzene	*	80-120		**98.5**	%REC	1	11/05/2021 5:12	184692
Surr: Dibromofluoromethane	*	80-120		**100.3**	%REC	1	11/05/2021 5:12	184692
Surr: Toluene-d8	*	80-120		**99.3**	%REC	1	11/05/2021 5:12	184692

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-021 **Client Sample ID:** UMW-301R-WG-20211103

Matrix: GROUNDWATER **Collection Date:** 11/03/2021 12:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 11:44	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:06	184655
Barium	NELAP	0.0025		**0.0696**	mg/L	1	11/05/2021 20:06	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:06	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:06	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:06	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:06	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:06	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 12:51	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00321**	mg/L	1	11/06/2021 2:17	184720
Acenaphthylene	NELAP	0.000100		**0.00307**	mg/L	1	11/06/2021 2:17	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 2:17	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:17	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:17	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:17	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:17	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 2:17	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Naphthalene	NELAP	0.00200		**0.00936**	mg/L	5	11/08/2021 17:23	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 2:17	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:17	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.7**	%REC	1	11/06/2021 2:17	184720
Surr: Nitrobenzene-d5	*	15-163		**72.5**	%REC	1	11/06/2021 2:17	184720
Surr: p-Terphenyl-d14	*	10-173		**103.2**	%REC	1	11/06/2021 2:17	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/10/2021 18:07	184898
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/10/2021 18:07	184898
Toluene	NELAP	2.0		**ND**	µg/L	1	11/10/2021 18:07	184898
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/10/2021 18:07	184898
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.9**	%REC	1	11/10/2021 18:07	184898
Surr: 4-Bromofluorobenzene	*	80-120		**100.9**	%REC	1	11/10/2021 18:07	184898
Surr: Dibromofluoromethane	*	80-120		**100.7**	%REC	1	11/10/2021 18:07	184898
Surr: Toluene-d8	*	80-120		**98.1**	%REC	1	11/10/2021 18:07	184898

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-022
Client Sample ID: UMW-302-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 14:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.099**	mg/L	5	11/10/2021 13:49	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:10	184655
Barium	NELAP	0.0025		**0.0509**	mg/L	1	11/05/2021 20:10	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:10	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:10	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:10	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:10	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:10	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 12:58	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000710**	mg/L	1	11/06/2021 2:54	184720
Acenaphthylene	NELAP	0.000100		**0.000500**	mg/L	1	11/06/2021 2:54	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 2:54	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:54	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:54	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:54	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 2:54	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 2:54	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Naphthalene	NELAP	0.400		**2.20**	mg/L	1000	11/08/2021 19:52	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 2:54	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 2:54	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**83.2**	%REC	10	11/08/2021 20:29	184720
Surr: Nitrobenzene-d5	*	15-163		**85.2**	%REC	10	11/08/2021 20:29	184720
Surr: p-Terphenyl-d14	*	10-173		**101.3**	%REC	1	11/06/2021 2:54	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**256**	µg/L	10	11/10/2021 18:33	184898
Ethylbenzene	NELAP	20.0		**763**	µg/L	10	11/10/2021 18:33	184898
Toluene	NELAP	20.0		**ND**	µg/L	10	11/10/2021 18:33	184898
Xylenes, Total	NELAP	40.0		**202**	µg/L	10	11/10/2021 18:33	184898
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.8**	%REC	10	11/10/2021 18:33	184898
Surr: 4-Bromofluorobenzene	*	80-120		**100.3**	%REC	10	11/10/2021 18:33	184898
Surr: Dibromofluoromethane	*	80-120		**100.3**	%REC	10	11/10/2021 18:33	184898
Surr: Toluene-d8	*	80-120		**98.6**	%REC	10	11/10/2021 18:33	184898

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

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-023
Client Sample ID: UMW-303-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 12:15	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:13	184655
Barium	NELAP	0.0025		**0.0396**	mg/L	1	11/05/2021 20:13	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:13	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:13	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:13	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:13	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:13	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:00	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:31	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 3:31	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 3:31	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Naphthalene	NELAP	0.000400		**0.00123**	mg/L	1	11/08/2021 18:00	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 3:31	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 3:31	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**73.8**	%REC	1	11/06/2021 3:31	184720
Surr: Nitrobenzene-d5	*	15-163		**67.5**	%REC	1	11/06/2021 3:31	184720
Surr: p-Terphenyl-d14	*	10-173		**86.4**	%REC	1	11/06/2021 3:31	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 10:37	184763
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 10:37	184763
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 10:37	184763
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 10:37	184763
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.1**	%REC	1	11/06/2021 10:37	184763
Surr: 4-Bromofluorobenzene	*	80-120		**100.5**	%REC	1	11/06/2021 10:37	184763
Surr: Dibromofluoromethane	*	80-120		**101.2**	%REC	1	11/06/2021 10:37	184763
Surr: Toluene-d8	*	80-120		**97.9**	%REC	1	11/06/2021 10:37	184763

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-024
Client Sample ID: UMW-304R-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 10:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 12:18	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:17	184655
Barium	NELAP	0.0025		**0.0729**	mg/L	1	11/05/2021 20:17	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:17	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:17	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:17	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:17	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:17	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:02	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000321**	mg/L	1	11/06/2021 4:09	184720
Acenaphthylene	NELAP	0.000100		**0.000691**	mg/L	1	11/06/2021 4:09	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:09	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:09	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:09	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:09	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:09	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:09	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 4:09	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 4:09	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:09	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.9**	%REC	1	11/06/2021 4:09	184720
Surr: Nitrobenzene-d5	*	15-163		**71.9**	%REC	1	11/06/2021 4:09	184720
Surr: p-Terphenyl-d14	*	10-173		**104.2**	%REC	1	11/06/2021 4:09	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 11:04	184763
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 11:04	184763
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 11:04	184763
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 11:04	184763
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.7**	%REC	1	11/06/2021 11:04	184763
Surr: 4-Bromofluorobenzene	*	80-120		**100.4**	%REC	1	11/06/2021 11:04	184763
Surr: Dibromofluoromethane	*	80-120		**100.0**	%REC	1	11/06/2021 11:04	184763
Surr: Toluene-d8	*	80-120		**97.3**	%REC	1	11/06/2021 11:04	184763

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-025
Client Sample ID: UMW-305-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.008**	mg/L	1	11/09/2021 11:46	184766
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:21	184655
Barium	NELAP	0.0025		**0.102**	mg/L	1	11/05/2021 20:21	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:21	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:21	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:21	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:21	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:21	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:05	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:46	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 4:46	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 4:46	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 4:46	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 4:46	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 4:46	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.8**	%REC	1	11/06/2021 4:46	184720
Surr: Nitrobenzene-d5	*	15-163		**72.3**	%REC	1	11/06/2021 4:46	184720
Surr: p-Terphenyl-d14	*	10-173		**102.9**	%REC	1	11/06/2021 4:46	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/05/2021 5:39	184692
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 5:39	184692
Toluene	NELAP	2.0		**ND**	µg/L	1	11/05/2021 5:39	184692
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/05/2021 5:39	184692
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.8**	%REC	1	11/05/2021 5:39	184692
Surr: 4-Bromofluorobenzene	*	80-120		**99.8**	%REC	1	11/05/2021 5:39	184692
Surr: Dibromofluoromethane	*	80-120		**100.0**	%REC	1	11/05/2021 5:39	184692
Surr: Toluene-d8	*	80-120		**98.2**	%REC	1	11/05/2021 5:39	184692

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-026
Client Sample ID: UMW-306-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 15:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	11/10/2021 12:23	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:32	184655
Barium	NELAP	0.0025		**0.110**	mg/L	1	11/05/2021 20:32	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:32	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:32	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:32	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:32	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:32	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/09/2021 13:43	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 6:37	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 6:37	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 6:37	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 6:37	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 6:37	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 6:37	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**71.1**	%REC	1	11/06/2021 6:37	184720
Surr: Nitrobenzene-d5	*	15-163		**72.5**	%REC	1	11/06/2021 6:37	184720
Surr: p-Terphenyl-d14	*	10-173		**93.1**	%REC	1	11/06/2021 6:37	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 1:38	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 1:38	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 1:38	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 1:38	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**103.0**	%REC	1	11/06/2021 1:38	184762
Surr: 4-Bromofluorobenzene	*	80-120		**101.9**	%REC	1	11/06/2021 1:38	184762
Surr: Dibromofluoromethane	*	80-120		**101.2**	%REC	1	11/06/2021 1:38	184762
Surr: Toluene-d8	*	80-120		**98.9**	%REC	1	11/06/2021 1:38	184762

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-027
Client Sample ID: UMW-307-WG-20211102
Matrix: GROUNDWATER
Collection Date: 11/02/2021 15:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.010		**0.050**	mg/L	2	11/09/2021 16:02	184768
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 20:54	184655
Barium	NELAP	0.0025		**0.110**	mg/L	1	11/05/2021 20:54	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 20:54	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 20:54	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 20:54	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 20:54	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 20:54	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:14	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/08/2021 18:37	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/08/2021 18:37	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/08/2021 18:37	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/08/2021 18:37	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/08/2021 18:37	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/08/2021 18:37	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**65.0**	%REC	1	11/08/2021 18:37	184674
Surr: Nitrobenzene-d5	*	15-163		**62.8**	%REC	1	11/08/2021 18:37	184674
Surr: p-Terphenyl-d14	*	10-173		**89.7**	%REC	1	11/08/2021 18:37	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 2:04	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 2:04	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 2:04	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 2:04	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.0**	%REC	1	11/06/2021 2:04	184762
Surr: 4-Bromofluorobenzene	*	80-120		**101.3**	%REC	1	11/06/2021 2:04	184762
Surr: Dibromofluoromethane	*	80-120		**100.3**	%REC	1	11/06/2021 2:04	184762
Surr: Toluene-d8	*	80-120		**98.6**	%REC	1	11/06/2021 2:04	184762

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-028 **Client Sample ID:** UMW-308-WG-20211103

Matrix: GROUNDWATER **Collection Date:** 11/03/2021 12:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	11/10/2021 12:27	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:05	184655
Barium	NELAP	0.0025		**0.114**	mg/L	1	11/05/2021 21:05	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:05	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:05	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:05	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:05	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:05	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/09/2021 14:48	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:14	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:14	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:14	184720
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/06/2021 7:14	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 7:14	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:14	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**74.9**	%REC	1	11/06/2021 7:14	184720
Surr: Nitrobenzene-d5	*	15-163		**71.7**	%REC	1	11/06/2021 7:14	184720
Surr: p-Terphenyl-d14	*	10-173		**98.4**	%REC	1	11/06/2021 7:14	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 3:23	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 3:23	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 3:23	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 3:23	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.5**	%REC	1	11/06/2021 3:23	184762
Surr: 4-Bromofluorobenzene	*	80-120		**101.9**	%REC	1	11/06/2021 3:23	184762
Surr: Dibromofluoromethane	*	80-120		**101.5**	%REC	1	11/06/2021 3:23	184762
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	11/06/2021 3:23	184762

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-029
Client Sample ID: DUP 001-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.013**	mg/L	1	11/10/2021 12:32	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:09	184655
Barium	NELAP	0.0025		**0.0291**	mg/L	1	11/05/2021 21:09	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:09	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:09	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:09	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:09	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:09	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:27	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000653**	mg/L	1	11/06/2021 7:52	184720
Acenaphthylene	NELAP	0.000100		**0.000502**	mg/L	1	11/06/2021 7:52	184720
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:52	184720
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:52	184720
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:52	184720
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:52	184720
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:52	184720
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:52	184720
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/06/2021 7:52	184720
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:52	184720
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/06/2021 7:52	184720
Fluorene	NELAP	0.000200		**0.000320**	mg/L	1	11/06/2021 7:52	184720
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:52	184720
Naphthalene	NELAP	0.0100		**0.0691**	mg/L	25	11/08/2021 16:45	184720
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/06/2021 7:52	184720
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/06/2021 7:52	184720
Surr: 2-Fluorobiphenyl	*	21.4-142		**76.0**	%REC	1	11/06/2021 7:52	184720
Surr: Nitrobenzene-d5	*	15-163		**75.5**	%REC	1	11/06/2021 7:52	184720
Surr: p-Terphenyl-d14	*	10-173		**110.7**	%REC	1	11/06/2021 7:52	184720
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**99.0**	µg/L	1	11/06/2021 3:49	184762
Ethylbenzene	NELAP	2.0		**14.2**	µg/L	1	11/06/2021 3:49	184762
Toluene	NELAP	2.0		**87.5**	µg/L	1	11/06/2021 3:49	184762
Xylenes, Total	NELAP	4.0		**43.3**	µg/L	1	11/06/2021 3:49	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**105.9**	%REC	1	11/06/2021 3:49	184762
Surr: 4-Bromofluorobenzene	*	80-120		**99.9**	%REC	1	11/06/2021 3:49	184762
Surr: Dibromofluoromethane	*	80-120		**99.2**	%REC	1	11/06/2021 3:49	184762
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	11/06/2021 3:49	184762

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-030
Client Sample ID: DUP 002-WG-20211103
Matrix: GROUNDWATER
Collection Date: 11/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 12:36	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:13	184655
Barium	NELAP	0.0025		**0.0254**	mg/L	1	11/05/2021 21:13	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:13	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:13	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:13	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:13	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:13	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:30	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 14:26	184788
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 14:26	184788
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 14:26	184788
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/09/2021 14:26	184788
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/09/2021 14:26	184788
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 14:26	184788
Surr: 2-Fluorobiphenyl	*	21.4-142		**67.2**	%REC	1	11/09/2021 14:26	184788
Surr: Nitrobenzene-d5	*	15-163		**69.7**	%REC	1	11/09/2021 14:26	184788
Surr: p-Terphenyl-d14	*	10-173		**99.8**	%REC	1	11/09/2021 14:26	184788
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**18.2**	µg/L	1	11/06/2021 4:15	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 4:15	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 4:15	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 4:15	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.8**	%REC	1	11/06/2021 4:15	184762
Surr: 4-Bromofluorobenzene	*	80-120		**102.6**	%REC	1	11/06/2021 4:15	184762
Surr: Dibromofluoromethane	*	80-120		**100.5**	%REC	1	11/06/2021 4:15	184762
Surr: Toluene-d8	*	80-120		**98.0**	%REC	1	11/06/2021 4:15	184762

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-031 **Client Sample ID:** DUP 003-WG-20211103

Matrix: GROUNDWATER **Collection Date:** 11/03/2021 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.096**	mg/L	5	11/10/2021 13:54	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:17	184655
Barium	NELAP	0.0025		**0.0513**	mg/L	1	11/05/2021 21:17	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:17	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:17	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:17	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:17	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:17	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:32	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000589**	mg/L	1	11/09/2021 15:03	184788
Acenaphthylene	NELAP	0.000100		**0.000404**	mg/L	1	11/09/2021 15:03	184788
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 15:03	184788
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:03	184788
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:03	184788
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:03	184788
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:03	184788
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 15:03	184788
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Naphthalene	NELAP	0.400		**2.02**	mg/L	1000	11/10/2021 13:55	184788
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/09/2021 15:03	184788
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:03	184788
Surr: 2-Fluorobiphenyl	*	21.4-142		**63.0**	%REC	10	11/10/2021 13:17	184788
Surr: Nitrobenzene-d5	*	15-163		**76.0**	%REC	10	11/10/2021 13:17	184788
Surr: p-Terphenyl-d14	*	10-173		**85.7**	%REC	1	11/09/2021 15:03	184788
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**258**	µg/L	10	11/10/2021 18:59	184898
Ethylbenzene	NELAP	20.0	S	**774**	µg/L	10	11/10/2021 18:59	184898
Toluene	NELAP	2.0		**5.5**	µg/L	1	11/06/2021 4:42	184762
Xylenes, Total	NELAP	40.0		**204**	µg/L	10	11/10/2021 18:59	184898
Surr: 1,2-Dichloroethane-d4	*	80-120		**111.1**	%REC	1	11/06/2021 4:42	184762
Surr: 4-Bromofluorobenzene	*	80-120		**98.7**	%REC	1	11/06/2021 4:42	184762
Surr: Dibromofluoromethane	*	80-120		**100.9**	%REC	1	11/06/2021 4:42	184762
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	11/06/2021 4:42	184762

Matrix spike did not recover within control limits due to matrix interference.

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-032 **Client Sample ID:** EB-01-WQ-20211101

Matrix: AQUEOUS **Collection Date:** 11/01/2021 12:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 12:44	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:20	184655
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	11/05/2021 21:20	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:20	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:20	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:20	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:20	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:20	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:34	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 20:05	184674
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/05/2021 20:05	184674
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/05/2021 20:05	184674
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Naphthalene	NELAP	0.000400		**ND**	mg/L	1	11/05/2021 20:05	184674
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/05/2021 20:05	184674
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/05/2021 20:05	184674
Surr: 2-Fluorobiphenyl	*	21.4-142		**69.2**	%REC	1	11/05/2021 20:05	184674
Surr: Nitrobenzene-d5	*	15-163		**73.3**	%REC	1	11/05/2021 20:05	184674
Surr: p-Terphenyl-d14	*	10-173		**85.7**	%REC	1	11/05/2021 20:05	184674
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 5:08	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 5:08	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 5:08	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 5:08	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**100.7**	%REC	1	11/06/2021 5:08	184762
Surr: 4-Bromofluorobenzene	*	80-120		**101.7**	%REC	1	11/06/2021 5:08	184762
Surr: Dibromofluoromethane	*	80-120		**99.7**	%REC	1	11/06/2021 5:08	184762
Surr: Toluene-d8	*	80-120		**98.8**	%REC	1	11/06/2021 5:08	184762

Client: ERM
Work Order: 21110303
Client Project: Champaign GW
Report Date: 16-Nov-21
Lab ID: 21110303-033
Client Sample ID: TB-01-WQ-20211101
Matrix: TRIP BLANK
Collection Date: 11/04/2021 9:40

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	11/06/2021 5:34	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 5:34	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 5:34	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 5:34	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.2**	%REC	1	11/06/2021 5:34	184762
Surr: 4-Bromofluorobenzene	*	80-120		**102.7**	%REC	1	11/06/2021 5:34	184762
Surr: Dibromofluoromethane	*	80-120		**102.6**	%REC	1	11/06/2021 5:34	184762
Surr: Toluene-d8	*	80-120		**99.2**	%REC	1	11/06/2021 5:34	184762

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Lab ID: 21110303-034 **Client Sample ID:** EB-02-WQ-20211103

Matrix: AQUEOUS **Collection Date:** 11/03/2021 8:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	11/10/2021 9:08	184818
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	11/05/2021 21:24	184655
Barium	NELAP	0.0025		**< 0.0025**	mg/L	1	11/05/2021 21:24	184655
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	11/05/2021 21:24	184655
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	11/05/2021 21:24	184655
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	11/05/2021 21:24	184655
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	11/05/2021 21:24	184655
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	11/05/2021 21:24	184655
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	11/08/2021 13:36	184741
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Anthracene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 15:40	184788
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Benzo(a)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Benzo(g,h,i)perylene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Chrysene	NELAP	0.000100		**ND**	mg/L	1	11/09/2021 15:40	184788
Dibenzo(a,h)anthracene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Fluoranthene	NELAP	0.000300		**ND**	mg/L	1	11/09/2021 15:40	184788
Fluorene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Indeno(1,2,3-cd)pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Naphthalene	NELAP	0.000400		**0.00267**	mg/L	1	11/09/2021 15:40	184788
Phenanthrene	NELAP	0.000600		**ND**	mg/L	1	11/09/2021 15:40	184788
Pyrene	NELAP	0.000200		**ND**	mg/L	1	11/09/2021 15:40	184788
Surr: 2-Fluorobiphenyl	*	21.4-142		**72.8**	%REC	1	11/09/2021 15:40	184788
Surr: Nitrobenzene-d5	*	15-163		**71.6**	%REC	1	11/09/2021 15:40	184788
Surr: p-Terphenyl-d14	*	10-173		**97.5**	%REC	1	11/09/2021 15:40	184788
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	11/06/2021 6:00	184762
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 6:00	184762
Toluene	NELAP	2.0		**ND**	µg/L	1	11/06/2021 6:00	184762
Xylenes, Total	NELAP	4.0		**ND**	µg/L	1	11/06/2021 6:00	184762
Surr: 1,2-Dichloroethane-d4	*	80-120		**102.0**	%REC	1	11/06/2021 6:00	184762
Surr: 4-Bromofluorobenzene	*	80-120		**101.6**	%REC	1	11/06/2021 6:00	184762
Surr: Dibromofluoromethane	*	80-120		**101.9**	%REC	1	11/06/2021 6:00	184762
Surr: Toluene-d8	*	80-120		**97.7**	%REC	1	11/06/2021 6:00	184762

Client: ERM
Client Project: Champaign GW

Work Order: 21110303
Report Date: 16-Nov-21

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
21110303-001	UMW-102-WG-20211101	Groundwater	4	11/01/2021 13:35
21110303-002	UMW-105-WG-20211103	Groundwater	4	11/03/2021 10:35
21110303-003	UMW-106R-WG-20211102	Groundwater	4	11/02/2021 12:30
21110303-004	UMW-107R-WG-20211102	Groundwater	4	11/02/2021 14:15
21110303-005	UMW-108-WG-20211102	Groundwater	4	11/02/2021 11:05
21110303-006	UMW-109-WG-20211102	Groundwater	4	11/02/2021 9:50
21110303-007	UMW-111A-WG-20211102	Groundwater	4	11/02/2021 8:55
21110303-008	UMW-116-WG-20211102	Groundwater	4	11/02/2021 13:25
21110303-009	UMW-117-WG-20211102	Groundwater	4	11/02/2021 13:45
21110303-010	UMW-118-WG-20211102	Groundwater	4	11/02/2021 10:45
21110303-011	UMW-119-WG-20211101	Groundwater	4	11/01/2021 15:15
21110303-012	UMW-120-WG-20211102	Groundwater	4	11/02/2021 8:45
21110303-013	UMW-121-WG-20211103	Groundwater	4	11/03/2021 11:35
21110303-014	UMW-122-WG-20211102	Groundwater	4	11/02/2021 11:45
21110303-015	UMW-123-WG-20211102	Groundwater	4	11/02/2021 15:15
21110303-016	UMW-124-WG-20211103	Groundwater	4	11/03/2021 13:40
21110303-017	UMW-125-WG-20211103	Groundwater	4	11/03/2021 9:20
21110303-018	UMW-126-WG-20211103	Groundwater	4	11/03/2021 13:30
21110303-019	UMW-127-WG-20211103	Groundwater	4	11/03/2021 11:25
21110303-020	UMW-300-WG-20211102	Groundwater	4	11/02/2021 10:15
21110303-021	UMW-301R-WG-20211103	Groundwater	4	11/03/2021 12:20
21110303-022	UMW-302-WG-20211103	Groundwater	4	11/03/2021 14:50
21110303-023	UMW-303-WG-20211102	Groundwater	4	11/02/2021 12:15
21110303-024	UMW-304R-WG-20211103	Groundwater	4	11/03/2021 10:25
21110303-025	UMW-305-WG-20211103	Groundwater	4	11/03/2021 9:10
21110303-026	UMW-306-WG-20211102	Groundwater	4	11/02/2021 15:50
21110303-027	UMW-307-WG-20211102	Groundwater	4	11/02/2021 15:00
21110303-028	UMW-308-WG-20211103	Groundwater	4	11/03/2021 12:45
21110303-029	DUP 001-WG-20211103	Groundwater	4	11/03/2021 0:00
21110303-030	DUP 002-WG-20211103	Groundwater	4	11/03/2021 0:00
21110303-031	DUP 003-WG-20211103	Groundwater	4	11/03/2021 0:00
21110303-032	EB-01-WQ-20211101	Aqueous	4	11/01/2021 12:15
21110303-033	TB-01-WQ-20211101	Trip Blank	1	11/04/2021 9:40
21110303-034	EB-02-WQ-20211103	Aqueous	4	11/03/2021 8:15

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21110303-001A	UMW-102-WG-20211101	11/01/2021 13:35	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/04/2021 15:15	11/05/2021 10:48
21110303-001B	UMW-102-WG-20211101	11/01/2021 13:35	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 17:41
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 21:52
21110303-001C	UMW-102-WG-20211101	11/01/2021 13:35	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 11:11
21110303-001D	UMW-102-WG-20211101	11/01/2021 13:35	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 17:58
21110303-002A	UMW-105-WG-20211103	11/03/2021 10:35	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/04/2021 15:15	11/05/2021 11:25
21110303-002B	UMW-105-WG-20211103	11/03/2021 10:35	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 17:45
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 21:54
21110303-002C	UMW-105-WG-20211103	11/03/2021 10:35	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 14:22
21110303-002D	UMW-105-WG-20211103	11/03/2021 10:35	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 18:25
21110303-003A	UMW-106R-WG-20211102	11/02/2021 12:30	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/04/2021 15:15	11/05/2021 12:03
21110303-003B	UMW-106R-WG-20211102	11/02/2021 12:30	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 17:49
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 21:57
21110303-003C	UMW-106R-WG-20211102	11/02/2021 12:30	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 14:26
21110303-003D	UMW-106R-WG-20211102	11/02/2021 12:30	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 18:51
21110303-004A	UMW-107R-WG-20211102	11/02/2021 14:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/05/2021 17:00
21110303-004B	UMW-107R-WG-20211102	11/02/2021 14:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 17:52
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 21:59
21110303-004C	UMW-107R-WG-20211102	11/02/2021 14:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/10/2021 10:30
21110303-004D	UMW-107R-WG-20211102	11/02/2021 14:15	11/04/2021 9:40		

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 19:18
21110303-005A	UMW-108-WG-20211102	11/02/2021 11:05	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/05/2021 17:37
21110303-005B	UMW-108-WG-20211102	11/02/2021 11:05	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 17:56
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:01
21110303-005C	UMW-108-WG-20211102	11/02/2021 11:05	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 14:35
21110303-005D	UMW-108-WG-20211102	11/02/2021 11:05	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 19:45
21110303-006A	UMW-109-WG-20211102	11/02/2021 9:50	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/05/2021 18:13
21110303-006B	UMW-109-WG-20211102	11/02/2021 9:50	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:00
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:03
21110303-006C	UMW-109-WG-20211102	11/02/2021 9:50	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 14:44
21110303-006D	UMW-109-WG-20211102	11/02/2021 9:50	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 22:53
21110303-007A	UMW-111A-WG-20211102	11/02/2021 8:55	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/05/2021 18:50
21110303-007B	UMW-111A-WG-20211102	11/02/2021 8:55	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:04
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:06
21110303-007C	UMW-111A-WG-20211102	11/02/2021 8:55	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 14:48
21110303-007D	UMW-111A-WG-20211102	11/02/2021 8:55	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 23:20
21110303-008A	UMW-116-WG-20211102	11/02/2021 13:25	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 3:06
21110303-008B	UMW-116-WG-20211102	11/02/2021 13:25	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:29
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:12
21110303-008C	UMW-116-WG-20211102	11/02/2021 13:25	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 14:52

Client: ERM **Work Order:** 21110303

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21110303-008D	UMW-116-WG-20211102	11/02/2021 13:25	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/04/2021 23:47
21110303-009A	UMW-117-WG-20211102	11/02/2021 13:45	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 3:47
21110303-009B	UMW-117-WG-20211102	11/02/2021 13:45	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:33
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:20
21110303-009C	UMW-117-WG-20211102	11/02/2021 13:45	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 14:57
21110303-009D	UMW-117-WG-20211102	11/02/2021 13:45	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 0:14
21110303-010A	UMW-118-WG-20211102	11/02/2021 10:45	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 4:29
21110303-010B	UMW-118-WG-20211102	11/02/2021 10:45	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:37
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:22
21110303-010C	UMW-118-WG-20211102	11/02/2021 10:45	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:01
21110303-010D	UMW-118-WG-20211102	11/02/2021 10:45	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 0:41
21110303-011A	UMW-119-WG-20211101	11/01/2021 15:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/06/2021 5:10
21110303-011B	UMW-119-WG-20211101	11/01/2021 15:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:41
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:24
21110303-011C	UMW-119-WG-20211101	11/01/2021 15:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:27
21110303-011D	UMW-119-WG-20211101	11/01/2021 15:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 1:08
21110303-012A	UMW-120-WG-20211102	11/02/2021 8:45	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 5:52
21110303-012B	UMW-120-WG-20211102	11/02/2021 8:45	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:44
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:27
21110303-012C	UMW-120-WG-20211102	11/02/2021 8:45	11/04/2021 9:40		

Client: ERM **Work Order:** 21110303

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:31
21110303-012D	UMW-120-WG-20211102	11/02/2021 8:45	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 1:35
21110303-013A	UMW-121-WG-20211103	11/03/2021 11:35	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 6:33
21110303-013B	UMW-121-WG-20211103	11/03/2021 11:35	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:48
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:29
21110303-013C	UMW-121-WG-20211103	11/03/2021 11:35	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:36
21110303-013D	UMW-121-WG-20211103	11/03/2021 11:35	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 2:03
21110303-014A	UMW-122-WG-20211102	11/02/2021 11:45	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 7:15
21110303-014B	UMW-122-WG-20211102	11/02/2021 11:45	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:52
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:31
21110303-014C	UMW-122-WG-20211102	11/02/2021 11:45	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:40
21110303-014D	UMW-122-WG-20211102	11/02/2021 11:45	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 2:30
21110303-015A	UMW-123-WG-20211102	11/02/2021 15:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 7:56
21110303-015B	UMW-123-WG-20211102	11/02/2021 15:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:55
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:33
21110303-015C	UMW-123-WG-20211102	11/02/2021 15:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:44
21110303-015D	UMW-123-WG-20211102	11/02/2021 15:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 2:57
21110303-016A	UMW-124-WG-20211103	11/03/2021 13:40	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/06/2021 8:38
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/08/2021 16:08
21110303-016B	UMW-124-WG-20211103	11/03/2021 13:40	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 18:59

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:40
21110303-016C	UMW-124-WG-20211103	11/03/2021 13:40	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 15:49
21110303-016D	UMW-124-WG-20211103	11/03/2021 13:40	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 3:24
21110303-017A	UMW-125-WG-20211103	11/03/2021 9:20	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 12:04	11/05/2021 19:28
21110303-017B	UMW-125-WG-20211103	11/03/2021 9:20	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 19:18
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:42
21110303-017C	UMW-125-WG-20211103	11/03/2021 9:20	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 13:45
21110303-017D	UMW-125-WG-20211103	11/03/2021 9:20	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 3:51
21110303-018A	UMW-126-WG-20211103	11/03/2021 13:30	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 0:25
21110303-018B	UMW-126-WG-20211103	11/03/2021 13:30	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 19:21
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:45
21110303-018C	UMW-126-WG-20211103	11/03/2021 13:30	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 11:35
21110303-018D	UMW-126-WG-20211103	11/03/2021 13:30	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 4:18
21110303-019A	UMW-127-WG-20211103	11/03/2021 11:25	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 1:02
21110303-019B	UMW-127-WG-20211103	11/03/2021 11:25	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:53	11/05/2021 19:25
	SW-846 7470A (Total)			11/04/2021 12:05	11/05/2021 22:52
21110303-019C	UMW-127-WG-20211103	11/03/2021 11:25	11/04/2021 9:40		
	SW-846 9012A (Total)			11/10/2021 16:20	11/11/2021 9:59
21110303-019D	UMW-127-WG-20211103	11/03/2021 11:25	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 4:45
21110303-020A	UMW-300-WG-20211102	11/02/2021 10:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 1:39
21110303-020B	UMW-300-WG-20211102	11/02/2021 10:15	11/04/2021 9:40		

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 19:47
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 12:49
21110303-020C	UMW-300-WG-20211102	11/02/2021 10:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 11:40
21110303-020D	UMW-300-WG-20211102	11/02/2021 10:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 5:12
21110303-021A	UMW-301R-WG-20211103	11/03/2021 12:20	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 2:17
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/08/2021 17:23
21110303-021B	UMW-301R-WG-20211103	11/03/2021 12:20	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:06
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 12:51
21110303-021C	UMW-301R-WG-20211103	11/03/2021 12:20	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 11:44
21110303-021D	UMW-301R-WG-20211103	11/03/2021 12:20	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2021 18:07
21110303-022A	UMW-302-WG-20211103	11/03/2021 14:50	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 2:54
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/08/2021 19:52
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/08/2021 20:29
21110303-022B	UMW-302-WG-20211103	11/03/2021 14:50	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:10
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 12:58
21110303-022C	UMW-302-WG-20211103	11/03/2021 14:50	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 13:49
21110303-022D	UMW-302-WG-20211103	11/03/2021 14:50	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2021 18:33
21110303-023A	UMW-303-WG-20211102	11/02/2021 12:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 3:31
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/08/2021 18:00
21110303-023B	UMW-303-WG-20211102	11/02/2021 12:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:13
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:00
21110303-023C	UMW-303-WG-20211102	11/02/2021 12:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 12:15

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21110303-023D	UMW-303-WG-20211102	11/02/2021 12:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 10:37
21110303-024A	UMW-304R-WG-20211103	11/03/2021 10:25	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 4:09
21110303-024B	UMW-304R-WG-20211103	11/03/2021 10:25	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:17
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:02
21110303-024C	UMW-304R-WG-20211103	11/03/2021 10:25	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 12:18
21110303-024D	UMW-304R-WG-20211103	11/03/2021 10:25	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 11:04
21110303-025A	UMW-305-WG-20211103	11/03/2021 9:10	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 4:46
21110303-025B	UMW-305-WG-20211103	11/03/2021 9:10	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:21
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:05
21110303-025C	UMW-305-WG-20211103	11/03/2021 9:10	11/04/2021 9:40		
	SW-846 9012A (Total)			11/08/2021 13:39	11/09/2021 11:46
21110303-025D	UMW-305-WG-20211103	11/03/2021 9:10	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/05/2021 5:39
21110303-026A	UMW-306-WG-20211102	11/02/2021 15:50	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 6:37
21110303-026B	UMW-306-WG-20211102	11/02/2021 15:50	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:32
	SW-846 7470A (Total)			11/07/2021 9:38	11/09/2021 13:43
21110303-026C	UMW-306-WG-20211102	11/02/2021 15:50	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 15:14	11/10/2021 12:23
21110303-026D	UMW-306-WG-20211102	11/02/2021 15:50	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 1:38
21110303-027A	UMW-307-WG-20211102	11/02/2021 15:00	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/08/2021 18:37
21110303-027B	UMW-307-WG-20211102	11/02/2021 15:00	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 20:54
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:14
21110303-027C	UMW-307-WG-20211102	11/02/2021 15:00	11/04/2021 9:40		

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 9012A (Total)			11/08/2021 14:52	11/09/2021 16:02
21110303-027D	UMW-307-WG-20211102	11/02/2021 15:00	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 2:04
21110303-028A	UMW-308-WG-20211103	11/03/2021 12:45	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 7:14
21110303-028B	UMW-308-WG-20211103	11/03/2021 12:45	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:05
	SW-846 7470A (Total)			11/07/2021 9:38	11/09/2021 14:48
21110303-028C	UMW-308-WG-20211103	11/03/2021 12:45	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 12:27
21110303-028D	UMW-308-WG-20211103	11/03/2021 12:45	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 3:23
21110303-029A	DUP 001-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/06/2021 7:52
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 13:33	11/08/2021 16:45
21110303-029B	DUP 001-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:09
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:27
21110303-029C	DUP 001-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 12:32
21110303-029D	DUP 001-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 3:49
21110303-030A	DUP 002-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/08/2021 17:14	11/09/2021 14:26
21110303-030B	DUP 002-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:13
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:30
21110303-030C	DUP 002-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 12:36
21110303-030D	DUP 002-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 4:15
21110303-031A	DUP 003-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/08/2021 17:14	11/09/2021 15:03
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/08/2021 17:14	11/10/2021 13:17
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/08/2021 17:14	11/10/2021 13:55

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
21110303-031B	DUP 003-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:17
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:32
21110303-031C	DUP 003-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 13:54
21110303-031D	DUP 003-WG-20211103	11/03/2021 0:00	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 4:42
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/10/2021 18:59
21110303-032A	EB-01-WQ-20211101	11/01/2021 12:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/05/2021 10:11	11/05/2021 20:05
21110303-032B	EB-01-WQ-20211101	11/01/2021 12:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:20
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:34
21110303-032C	EB-01-WQ-20211101	11/01/2021 12:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 12:44
21110303-032D	EB-01-WQ-20211101	11/01/2021 12:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 5:08
21110303-033A	TB-01-WQ-20211101	11/04/2021 9:40	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 5:34
21110303-034A	EB-02-WQ-20211103	11/03/2021 8:15	11/04/2021 9:40		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			11/08/2021 17:14	11/09/2021 15:40
21110303-034B	EB-02-WQ-20211103	11/03/2021 8:15	11/04/2021 9:40		
	SW-846 3005A, 6010B, Metals by ICP (Total)			11/04/2021 11:59	11/05/2021 21:24
	SW-846 7470A (Total)			11/07/2021 9:38	11/08/2021 13:36
21110303-034C	EB-02-WQ-20211103	11/03/2021 8:15	11/04/2021 9:40		
	SW-846 9012A (Total)			11/09/2021 16:50	11/10/2021 9:08
21110303-034D	EB-02-WQ-20211103	11/03/2021 8:15	11/04/2021 9:40		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				11/06/2021 6:00

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

SW-846 9012A (TOTAL)

Batch 184766 **SampType:** MBLK Units **mg/L**
SampID: MBLK 211108 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/09/2021

Batch 184766 **SampType:** LCS Units **mg/L**
SampID: LCS 211108 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.022**	0.0250	0	89.0	85	115	11/09/2021

Batch 184766 **SampType:** MS Units **mg/L**
SampID: 21110303-001CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	90.8	75	125	11/09/2021

Batch 184766 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21110303-001CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	100.0	0.02271	9.62	11/09/2021

Batch 184766 **SampType:** MS Units **mg/L**
SampID: 21110303-025CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.033**	0.0250	0.008175	99.5	75	125	11/09/2021

Batch 184766 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21110303-025CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.035**	0.0250	0.008175	109.0	0.03305	6.91	11/09/2021

Batch 184768 **SampType:** MBLK Units **mg/L**
SampID: MBLK 211108 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/09/2021

Batch 184768 **SampType:** LCS Units **mg/L**
SampID: LCS 211108 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.0	85	115	11/09/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

SW-846 9012A (TOTAL)

Batch 184768 **SampType:** MS Units **mg/L**
SampID: 21110303-027CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.010		**0.075**	0.0250	0.05014	99.8	75	125	11/09/2021

Batch 184768 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21110303-027CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.010		**0.077**	0.0250	0.05014	107.2	0.07509	2.42	11/09/2021

Batch 184818 **SampType:** MBLK Units **mg/L**
SampID: MBLK 211109 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/10/2021

Batch 184818 **SampType:** LCS Units **mg/L**
SampID: LCS 211109 TCN1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.026**	0.0250	0	103.5	90	110	11/10/2021

Batch 184818 **SampType:** MS Units **mg/L**
SampID: 21110303-034CMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.024**	0.0250	0	97.5	75	125	11/10/2021

Batch 184818 **SampType:** MSD Units **mg/L** RPD Limit: **15**
SampID: 21110303-034CMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide		0.005		**0.023**	0.0250	0	93.9	0.02438	3.74	11/10/2021

Batch 184819 **SampType:** MBLK Units **mg/L**
SampID: MBLK 211109 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**< 0.005**	0.0015	0	0	-100	100	11/10/2021

Batch 184819 **SampType:** LCS Units **mg/L**
SampID: LCS 211109 TCN2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide		0.005		**0.025**	0.0250	0	99.7	90	110	11/10/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184654 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184654

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/10/2021
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/05/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/05/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/10/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/05/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/10/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/05/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/10/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/05/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/10/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/10/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/05/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/10/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/05/2021

Batch 184654 **SampType:** LCS Units **mg/L**

SampID: LCS-184654

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.515**	0.5000	0	103.0	85	115	11/10/2021
Arsenic		0.0250		**0.515**	0.5000	0	103.0	85	115	11/05/2021
Barium		0.0025		**1.91**	2.000	0	95.4	85	115	11/10/2021
Barium		0.0025		**1.99**	2.000	0	99.4	85	115	11/05/2021
Cadmium		0.0020		**0.0494**	0.0500	0	98.8	85	115	11/05/2021
Cadmium		0.0020		**0.0473**	0.0500	0	94.6	85	115	11/10/2021
Chromium		0.0050		**0.195**	0.2000	0	97.7	85	115	11/05/2021
Chromium		0.0050		**0.190**	0.2000	0	95.1	85	115	11/10/2021
Lead		0.0150		**0.499**	0.5000	0	99.8	85	115	11/05/2021
Lead		0.0150		**0.494**	0.5000	0	98.8	85	115	11/10/2021
Selenium		0.0400		**0.500**	0.5000	0	99.9	85	115	11/05/2021
Selenium		0.0400		**0.491**	0.5000	0	98.2	85	115	11/10/2021
Silver		0.0070		**0.0464**	0.0500	0	92.8	85	115	11/10/2021
Silver		0.0070		**0.0503**	0.0500	0	100.6	85	115	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184654 **SampType:** MS Units **mg/L**

SampID: 21110303-007BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.525**	0.5000	0	105.0	75	125	11/05/2021
Barium		0.0025		**2.01**	2.000	0.05200	98.1	75	125	11/05/2021
Cadmium		0.0020		**0.0477**	0.0500	0	95.4	75	125	11/05/2021
Chromium		0.0050		**0.190**	0.2000	0	95.2	75	125	11/05/2021
Lead		0.0150		**0.483**	0.5000	0	96.5	75	125	11/05/2021
Selenium		0.0400		**0.496**	0.5000	0	99.2	75	125	11/05/2021
Silver		0.0070		**0.0503**	0.0500	0	100.6	75	125	11/05/2021

Batch 184654 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21110303-007BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.522**	0.5000	0	104.4	0.5252	0.63	11/05/2021
Barium		0.0025		**2.00**	2.000	0.05200	97.6	2.014	0.55	11/05/2021
Cadmium		0.0020		**0.0477**	0.0500	0	95.4	0.04770	0.00	11/05/2021
Chromium		0.0050		**0.190**	0.2000	0	95.0	0.1903	0.16	11/05/2021
Lead		0.0150		**0.480**	0.5000	0	95.9	0.4826	0.64	11/05/2021
Selenium		0.0400		**0.486**	0.5000	0	97.2	0.4962	2.08	11/05/2021
Silver		0.0070		**0.0500**	0.0500	0	100.0	0.05030	0.60	11/05/2021

Batch 184654 **SampType:** MS Units **mg/L**

SampID: 21110303-019BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.508**	0.5000	0	101.7	75	125	11/05/2021
Barium		0.0025		**2.09**	2.000	0.1333	97.7	75	125	11/05/2021
Cadmium		0.0020		**0.0471**	0.0500	0	94.2	75	125	11/05/2021
Chromium		0.0050		**0.189**	0.2000	0	94.7	75	125	11/05/2021
Lead		0.0150		**0.474**	0.5000	0	94.8	75	125	11/05/2021
Selenium		0.0400		**0.458**	0.5000	0	91.6	75	125	11/05/2021
Silver		0.0070		**0.0497**	0.0500	0	99.4	75	125	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184654 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21110303-019BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.521**	0.5000	0	104.1	0.5083	2.41	11/05/2021
Barium		0.0025		**2.12**	2.000	0.1333	99.1	2.087	1.33	11/05/2021
Cadmium		0.0020		**0.0477**	0.0500	0	95.4	0.04710	1.27	11/05/2021
Chromium		0.0050		**0.192**	0.2000	0	95.8	0.1893	1.26	11/05/2021
Lead		0.0150		**0.482**	0.5000	0	96.4	0.4742	1.63	11/05/2021
Selenium		0.0400		**0.468**	0.5000	0	93.7	0.4580	2.25	11/05/2021
Silver		0.0070		**0.0505**	0.0500	0	101.0	0.04970	1.60	11/05/2021

Batch 184655 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184655

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**< 0.0250**	0.0087	0	0	-100	100	11/05/2021
Barium		0.0025		**< 0.0025**	0.0007	0	0	-100	100	11/05/2021
Cadmium		0.0020		**< 0.0020**	0.0005	0	0	-100	100	11/05/2021
Chromium		0.0050		**< 0.0050**	0.0028	0	0	-100	100	11/05/2021
Lead		0.0150		**< 0.0150**	0.0040	0	0	-100	100	11/05/2021
Selenium		0.0400		**< 0.0400**	0.0170	0	0	-100	100	11/05/2021
Silver		0.0070		**< 0.0070**	0.0027	0	0	-100	100	11/05/2021

Batch 184655 **SampType:** LCS Units **mg/L**

SampID: LCS-184655

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.498**	0.5000	0	99.6	85	115	11/05/2021
Barium		0.0025		**1.95**	2.000	0	97.4	85	115	11/05/2021
Cadmium		0.0020		**0.0469**	0.0500	0	93.8	85	115	11/05/2021
Chromium		0.0050		**0.189**	0.2000	0	94.4	85	115	11/05/2021
Lead		0.0150		**0.472**	0.5000	0	94.3	85	115	11/05/2021
Selenium		0.0400		**0.471**	0.5000	0	94.2	85	115	11/05/2021
Silver		0.0070		**0.0489**	0.0500	0	97.8	85	115	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184655 **SampType:** MS Units **mg/L**

SampID: 21110303-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.502**	0.5000	0	100.4	75	125	11/05/2021
Barium		0.0025		**2.06**	2.000	0.1015	98.0	75	125	11/05/2021
Cadmium		0.0020		**0.0466**	0.0500	0	93.2	75	125	11/05/2021
Chromium		0.0050		**0.188**	0.2000	0	93.8	75	125	11/05/2021
Lead		0.0150		**0.467**	0.5000	0	93.4	75	125	11/05/2021
Selenium		0.0400		**0.477**	0.5000	0	95.4	75	125	11/05/2021
Silver		0.0070		**0.0496**	0.0500	0	99.2	75	125	11/05/2021

Batch 184655 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21110303-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.509**	0.5000	0	101.8	0.5021	1.36	11/05/2021
Barium		0.0025		**2.06**	2.000	0.1015	98.1	2.062	0.10	11/05/2021
Cadmium		0.0020		**0.0466**	0.0500	0	93.2	0.04660	0.00	11/05/2021
Chromium		0.0050		**0.189**	0.2000	0	94.4	0.1875	0.64	11/05/2021
Lead		0.0150		**0.471**	0.5000	0	94.3	0.4672	0.87	11/05/2021
Selenium		0.0400		**0.481**	0.5000	0	96.2	0.4770	0.88	11/05/2021
Silver		0.0070		**0.0499**	0.0500	0	99.8	0.04960	0.60	11/05/2021

Batch 184655 **SampType:** MS Units **mg/L**

SampID: 21110303-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic		0.0250		**0.495**	0.5000	0	99.1	75	125	11/05/2021
Barium		0.0025		**2.03**	2.000	0.1095	95.9	75	125	11/05/2021
Cadmium		0.0020		**0.0453**	0.0500	0	90.6	75	125	11/05/2021
Chromium		0.0050		**0.185**	0.2000	0	92.3	75	125	11/05/2021
Lead		0.0150		**0.459**	0.5000	0	91.9	75	125	11/05/2021
Selenium		0.0400		**0.460**	0.5000	0	91.9	75	125	11/05/2021
Silver		0.0070		**0.0488**	0.0500	0	97.6	75	125	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184655 **SampType:** MSD Units **mg/L** RPD Limit: **20**

SampID: 21110303-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic		0.0250		**0.506**	0.5000	0	101.1	0.4954	2.06	11/05/2021
Barium		0.0025		**2.07**	2.000	0.1095	98.1	2.027	2.20	11/05/2021
Cadmium		0.0020		**0.0464**	0.0500	0	92.8	0.04530	2.40	11/05/2021
Chromium		0.0050		**0.187**	0.2000	0	93.6	0.1846	1.40	11/05/2021
Lead		0.0150		**0.469**	0.5000	0	93.7	0.4593	2.00	11/05/2021
Selenium		0.0400		**0.475**	0.5000	0	95.0	0.4595	3.32	11/05/2021
Silver		0.0070		**0.0499**	0.0500	0	99.8	0.04880	2.23	11/05/2021

SW-846 7470A (TOTAL)

Batch 184657 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184657

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

Batch 184657 **SampType:** LCS Units **mg/L**

SampID: LCS-184657

Analyses	Cert	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	11/05/2021

Batch 184657 **SampType:** MS Units **mg/L**

SampID: 21110303-008BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00508**	0.0050	0	101.7	75	125	11/05/2021

Batch 184657 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21110303-008BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00504**	0.0050	0	100.8	0.005083	0.81	11/05/2021

Batch 184657 **SampType:** MS Units **mg/L**

SampID: 21110303-018BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00507**	0.0050	0	101.3	75	125	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

SW-846 7470A (TOTAL)

Batch 184657 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21110303-018BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00518**	0.0050	0	103.5	0.005067	2.13	11/05/2021

Batch 184741 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184741

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**< 0.00020**	0.0001	0	0	-100	100	11/08/2021

Batch 184741 **SampType:** LCS Units **mg/L**

SampID: LCS-184741

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00497**	0.0050	0	99.5	85	115	11/08/2021

Batch 184741 **SampType:** MS Units **mg/L**

SampID: 21110303-025BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00498**	0.0050	0	99.6	75	125	11/08/2021

Batch 184741 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21110303-025BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00504**	0.0050	0	100.8	0.004978	1.23	11/08/2021

Batch 184741 **SampType:** MS Units **mg/L**

SampID: 21110303-027BMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury		0.00020		**0.00529**	0.0050	0	105.9	75	125	11/08/2021

Batch 184741 **SampType:** MSD Units **mg/L** RPD Limit: **15**

SampID: 21110303-027BMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury		0.00020		**0.00491**	0.0050	0	98.2	0.005294	7.53	11/08/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184674 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184674

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						11/05/2021
Acenaphthylene		0.000100		**ND**						11/05/2021
Anthracene		0.000300		**ND**						11/05/2021
Benzo(a)anthracene		0.000100		**ND**						11/05/2021
Benzo(a)pyrene		0.000200		**ND**						11/05/2021
Benzo(b)fluoranthene		0.000100		**ND**						11/05/2021
Benzo(g,h,i)perylene		0.000200		**ND**						11/05/2021
Benzo(k)fluoranthene		0.000100		**ND**						11/05/2021
Chrysene		0.000100		**ND**						11/05/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						11/05/2021
Fluoranthene		0.000300		**ND**						11/05/2021
Fluorene		0.000200		**ND**						11/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						11/05/2021
Naphthalene		0.000400		**ND**						11/05/2021
Phenanthrene		0.000600		**ND**						11/05/2021
Pyrene		0.000200		**ND**						11/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000768**	0.0010		76.8	45.5	94.3	11/05/2021
Surr: Nitrobenzene-d5	*			**0.000810**	0.0010		81.0	51.6	102	11/05/2021
Surr: p-Terphenyl-d14	*			**0.00104**	0.0010		104.2	60.8	130	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184674 **SampType:** LCS Units **mg/L**

SampID: LCS-184674

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00190**	0.0020	0	94.8	54.7	110	11/05/2021
Acenaphthylene		0.000100		**0.00215**	0.0020	0	107.5	56.2	116	11/05/2021
Anthracene		0.000300		**0.00181**	0.0020	0	90.6	55.3	113	11/05/2021
Benzo(a)anthracene		0.000100		**0.00194**	0.0020	0	97.2	54.6	112	11/05/2021
Benzo(a)pyrene		0.000200		**0.00167**	0.0020	0	83.6	57.2	118	11/05/2021
Benzo(b)fluoranthene		0.000100		**0.00180**	0.0020	0	90.1	50.3	119	11/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00192**	0.0020	0	96.0	59.3	122	11/05/2021
Benzo(k)fluoranthene		0.000100		**0.00204**	0.0020	0	102.2	58.8	114	11/05/2021
Chrysene		0.000100		**0.00204**	0.0020	0	101.8	58.9	113	11/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00184**	0.0020	0	92.2	50	134	11/05/2021
Fluoranthene		0.000300		**0.00190**	0.0020	0	95.1	61.2	114	11/05/2021
Fluorene		0.000200		**0.00188**	0.0020	0	93.8	61.6	110	11/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00186**	0.0020	0	93.0	54.3	128	11/05/2021
Naphthalene		0.000400		**0.00177**	0.0020	0	88.5	51.7	105	11/05/2021
Phenanthrene		0.000600		**0.00188**	0.0020	0	94.2	60.9	121	11/05/2021
Pyrene		0.000200		**0.00192**	0.0020	0	95.9	59.1	114	11/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000848**	0.0010		84.8	45.5	94.3	11/05/2021
Surr: Nitrobenzene-d5	*			**0.000833**	0.0010		83.3	51.6	102	11/05/2021
Surr: p-Terphenyl-d14	*			**0.00105**	0.0010		105.4	60.8	130	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch **184674** **SampType:** **LCSD** Units **mg/L** RPD Limit: **40**

SampID: LCSD-184674

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00181**	0.0020	0	90.4	0.001896	4.72	11/05/2021
Acenaphthylene		0.000100		**0.00196**	0.0020	0	97.8	0.002150	9.49	11/05/2021
Anthracene		0.000300		**0.00169**	0.0020	0	84.5	0.001811	6.95	11/05/2021
Benzo(a)anthracene		0.000100		**0.00192**	0.0020	0	96.2	0.001943	0.98	11/05/2021
Benzo(a)pyrene		0.000200		**0.00173**	0.0020	0	86.4	0.001672	3.27	11/05/2021
Benzo(b)fluoranthene		0.000100		**0.00180**	0.0020	0	90.0	0.001803	0.15	11/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00189**	0.0020	0	94.5	0.001921	1.63	11/05/2021
Benzo(k)fluoranthene		0.000100		**0.00190**	0.0020	0	95.1	0.002043	7.12	11/05/2021
Chrysene		0.000100		**0.00206**	0.0020	0	102.8	0.002035	1.02	11/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00184**	0.0020	0	91.8	0.001845	0.49	11/05/2021
Fluoranthene		0.000300		**0.00187**	0.0020	0	93.5	0.001901	1.63	11/05/2021
Fluorene		0.000200		**0.00171**	0.0020	0	85.5	0.001877	9.28	11/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00189**	0.0020	0	94.4	0.001859	1.49	11/05/2021
Naphthalene		0.000400		**0.00169**	0.0020	0	84.3	0.001771	4.88	11/05/2021
Phenanthrene		0.000600		**0.00182**	0.0020	0	91.0	0.001885	3.51	11/05/2021
Pyrene		0.000200		**0.00182**	0.0020	0	90.9	0.001918	5.31	11/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000822**	0.0010		82.2			11/05/2021
Surr: Nitrobenzene-d5	*			**0.000813**	0.0010		81.3			11/05/2021
Surr: p-Terphenyl-d14	*			**0.00106**	0.0010		105.6			11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184674 **SampType:** MS Units **mg/L**

SampID: 21110303-027AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00188**	0.0020	0	94.2	28.3	133	11/05/2021
Acenaphthylene		0.000100		**0.00205**	0.0020	0	102.4	5	176	11/05/2021
Anthracene		0.000300		**0.00174**	0.0020	0	87.2	34.6	131	11/05/2021
Benzo(a)anthracene		0.000100		**0.00191**	0.0020	0	95.4	40.3	132	11/05/2021
Benzo(a)pyrene		0.000200		**0.00163**	0.0020	0	81.5	40.8	132	11/05/2021
Benzo(b)fluoranthene		0.000100		**0.00170**	0.0020	0	85.2	41.9	132	11/05/2021
Benzo(g,h,i)perylene		0.000200		**0.00181**	0.0020	0	90.3	46	132	11/05/2021
Benzo(k)fluoranthene		0.000100		**0.00192**	0.0020	0	96.1	49.4	126	11/05/2021
Chrysene		0.000100		**0.00196**	0.0020	0	98.1	46.1	129	11/05/2021
Dibenzo(a,h)anthracene		0.000200		**0.00175**	0.0020	0	87.4	42.1	146	11/05/2021
Fluoranthene		0.000300		**0.00205**	0.0020	0	102.7	23.9	164	11/05/2021
Fluorene		0.000200		**0.00190**	0.0020	0	94.9	24.3	148	11/05/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00179**	0.0020	0	89.7	26.6	157	11/05/2021
Naphthalene		0.000400		**0.00176**	0.0020	0	87.9	24.2	132	11/05/2021
Phenanthrene		0.000600		**0.00185**	0.0020	0	92.3	36.6	139	11/05/2021
Pyrene		0.000200		**0.00199**	0.0020	0	99.4	14.6	169	11/05/2021
Surr: 2-Fluorobiphenyl	*			**0.000830**	0.0010		83.0	21.4	142	11/05/2021
Surr: Nitrobenzene-d5	*			**0.000796**	0.0010		79.6	15	163	11/05/2021
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		109.2	10	173	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch **184674** **SampType:** **MSD** Units **mg/L** RPD Limit: **40**

SampID: 21110303-027AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00176**	0.0020	0	88.2	0.001884	6.63	11/08/2021
Acenaphthylene		0.000100		**0.00189**	0.0020	0	94.5	0.002048	8.06	11/08/2021
Anthracene		0.000300		**0.00159**	0.0020	0	79.7	0.001743	8.99	11/08/2021
Benzo(a)anthracene		0.000100		**0.00176**	0.0020	0	88.2	0.001909	7.93	11/08/2021
Benzo(a)pyrene		0.000200		**0.00154**	0.0020	0	77.0	0.001630	5.68	11/08/2021
Benzo(b)fluoranthene		0.000100		**0.00166**	0.0020	0	82.8	0.001703	2.88	11/08/2021
Benzo(g,h,i)perylene		0.000200		**0.00174**	0.0020	0	86.8	0.001806	3.91	11/08/2021
Benzo(k)fluoranthene		0.000100		**0.00175**	0.0020	0	87.4	0.001922	9.49	11/08/2021
Chrysene		0.000100		**0.00180**	0.0020	0	90.0	0.001962	8.56	11/08/2021
Dibenzo(a,h)anthracene		0.000200		**0.00163**	0.0020	0	81.7	0.001748	6.71	11/08/2021
Fluoranthene		0.000300		**0.00179**	0.0020	0	89.4	0.002054	13.84	11/08/2021
Fluorene		0.000200		**0.00180**	0.0020	0	90.2	0.001898	5.04	11/08/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00177**	0.0020	0	88.7	0.001793	1.09	11/08/2021
Naphthalene		0.000400		**0.00168**	0.0020	0	84.0	0.001758	4.55	11/08/2021
Phenanthrene		0.000600		**0.00168**	0.0020	0	84.2	0.001846	9.20	11/08/2021
Pyrene		0.000200		**0.00176**	0.0020	0	87.8	0.001988	12.38	11/08/2021
Surr: 2-Fluorobiphenyl	*			**0.000775**	0.0010		77.5			11/08/2021
Surr: Nitrobenzene-d5	*			**0.000755**	0.0010		75.5			11/08/2021
Surr: p-Terphenyl-d14	*			**0.00102**	0.0010		101.8			11/08/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184720 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184720

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						11/06/2021
Acenaphthylene		0.000100		**ND**						11/06/2021
Anthracene		0.000300		**ND**						11/06/2021
Benzo(a)anthracene		0.000100		**ND**						11/06/2021
Benzo(a)pyrene		0.000200		**ND**						11/06/2021
Benzo(b)fluoranthene		0.000100		**ND**						11/06/2021
Benzo(g,h,i)perylene		0.000200		**ND**						11/06/2021
Benzo(k)fluoranthene		0.000100		**ND**						11/06/2021
Chrysene		0.000100		**ND**						11/06/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						11/06/2021
Fluoranthene		0.000300		**ND**						11/06/2021
Fluorene		0.000200		**ND**						11/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						11/06/2021
Naphthalene		0.000400		**ND**						11/06/2021
Phenanthrene		0.000600		**ND**						11/06/2021
Pyrene		0.000200		**ND**						11/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000699**	0.0010		69.9	45.5	94.3	11/06/2021
Surr: Nitrobenzene-d5	*			**0.000716**	0.0010		71.6	51.6	102	11/06/2021
Surr: p-Terphenyl-d14	*			**0.00109**	0.0010		109.3	60.8	130	11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184720 **SampType:** LCS Units **mg/L**

SampID: LCS-184720-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00194**	0.0020	0	97.1	54.7	110	11/06/2021
Acenaphthylene		0.000100		**0.00212**	0.0020	0	106.0	56.2	116	11/06/2021
Anthracene		0.000300		**0.00178**	0.0020	0	89.0	55.3	113	11/06/2021
Benzo(a)anthracene		0.000100		**0.00190**	0.0020	0	95.2	54.6	112	11/06/2021
Benzo(a)pyrene		0.000200		**0.00163**	0.0020	0	81.6	57.2	118	11/06/2021
Benzo(b)fluoranthene		0.000100		**0.00173**	0.0020	0	86.6	50.3	119	11/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00179**	0.0020	0	89.4	59.3	122	11/06/2021
Benzo(k)fluoranthene		0.000100		**0.00190**	0.0020	0	94.8	58.8	114	11/06/2021
Chrysene		0.000100		**0.00199**	0.0020	0	99.4	58.9	113	11/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00177**	0.0020	0	88.3	50	134	11/06/2021
Fluoranthene		0.000300		**0.00184**	0.0020	0	91.8	61.2	114	11/06/2021
Fluorene		0.000200		**0.00182**	0.0020	0	90.9	61.6	110	11/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00181**	0.0020	0	90.6	54.3	128	11/06/2021
Naphthalene		0.000400		**0.00180**	0.0020	0	90.0	51.7	105	11/06/2021
Phenanthrene		0.000600		**0.00188**	0.0020	0	93.9	60.9	121	11/06/2021
Pyrene		0.000200		**0.00186**	0.0020	0	93.1	59.1	114	11/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000773**	0.0010		77.3	45.5	94.3	11/06/2021
Surr: Nitrobenzene-d5	*			**0.000732**	0.0010		73.2	51.6	102	11/06/2021
Surr: p-Terphenyl-d14	*			**0.000936**	0.0010		93.6	60.8	130	11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184720 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-184720

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00188**	0.0020	0	93.8	0.001943	3.46	11/06/2021
Acenaphthylene		0.000100		**0.00205**	0.0020	0	102.3	0.002119	3.54	11/06/2021
Anthracene		0.000300		**0.00171**	0.0020	0	85.6	0.001780	3.96	11/06/2021
Benzo(a)anthracene		0.000100		**0.00183**	0.0020	0	91.5	0.001904	3.94	11/06/2021
Benzo(a)pyrene		0.000200		**0.00161**	0.0020	0	80.6	0.001633	1.31	11/06/2021
Benzo(b)fluoranthene		0.000100		**0.00170**	0.0020	0	85.0	0.001731	1.81	11/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00170**	0.0020	0	85.1	0.001788	4.96	11/06/2021
Benzo(k)fluoranthene		0.000100		**0.00186**	0.0020	0	93.2	0.001896	1.67	11/06/2021
Chrysene		0.000100		**0.00191**	0.0020	0	95.7	0.001988	3.76	11/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00171**	0.0020	0	85.6	0.001765	3.08	11/06/2021
Fluoranthene		0.000300		**0.00185**	0.0020	0	92.7	0.001836	0.95	11/06/2021
Fluorene		0.000200		**0.00177**	0.0020	0	88.4	0.001818	2.74	11/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00172**	0.0020	0	85.9	0.001812	5.35	11/06/2021
Naphthalene		0.000400		**0.00170**	0.0020	0	85.1	0.001801	5.58	11/06/2021
Phenanthrene		0.000600		**0.00183**	0.0020	0	91.3	0.001879	2.90	11/06/2021
Pyrene		0.000200		**0.00180**	0.0020	0	90.2	0.001861	3.08	11/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000794**	0.0010		79.4			11/06/2021
Surr: Nitrobenzene-d5	*			**0.000805**	0.0010		80.5			11/06/2021
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.2			11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184720 **SampType:** MS Units **mg/L**

SampID: 21110303-025AMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00186**	0.0020	0	93.1	28.3	133	11/06/2021
Acenaphthylene		0.000100		**0.00198**	0.0020	0	99.2	5	176	11/06/2021
Anthracene		0.000300		**0.00171**	0.0020	0	85.5	34.6	131	11/06/2021
Benzo(a)anthracene		0.000100		**0.00186**	0.0020	0	93.0	40.3	132	11/06/2021
Benzo(a)pyrene		0.000200		**0.00162**	0.0020	0	80.9	40.8	132	11/06/2021
Benzo(b)fluoranthene		0.000100		**0.00178**	0.0020	0	89.0	41.9	132	11/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00167**	0.0020	0	83.3	46	132	11/06/2021
Benzo(k)fluoranthene		0.000100		**0.00179**	0.0020	0	89.3	49.4	126	11/06/2021
Chrysene		0.000100		**0.00192**	0.0020	0	95.9	46.1	129	11/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00163**	0.0020	0	81.3	42.1	146	11/06/2021
Fluoranthene		0.000300		**0.00184**	0.0020	0	92.1	23.9	164	11/06/2021
Fluorene		0.000200		**0.00189**	0.0020	0	94.5	24.3	148	11/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00175**	0.0020	0	87.3	26.6	157	11/06/2021
Naphthalene		0.000400		**0.00174**	0.0020	0	86.8	24.2	132	11/06/2021
Phenanthrene		0.000600		**0.00177**	0.0020	0	88.7	36.6	139	11/06/2021
Pyrene		0.000200		**0.00179**	0.0020	0	89.7	14.6	169	11/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000777**	0.0010		77.7	21.4	142	11/06/2021
Surr: Nitrobenzene-d5	*			**0.000780**	0.0010		78.0	15	163	11/06/2021
Surr: p-Terphenyl-d14	*			**0.00100**	0.0010		100.2	10	173	11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch **184720** **SampType:** **MSD** Units **mg/L** RPD Limit: **40**

SampID: 21110303-025AMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00183**	0.0020	0	91.3	0.001862	1.91	11/06/2021
Acenaphthylene		0.000100		**0.00197**	0.0020	0	98.3	0.001984	0.90	11/06/2021
Anthracene		0.000300		**0.00171**	0.0020	0	85.3	0.001710	0.25	11/06/2021
Benzo(a)anthracene		0.000100		**0.00197**	0.0020	0	98.6	0.001859	5.88	11/06/2021
Benzo(a)pyrene		0.000200		**0.00178**	0.0020	0	89.0	0.001619	9.48	11/06/2021
Benzo(b)fluoranthene		0.000100		**0.00191**	0.0020	0	95.3	0.001780	6.84	11/06/2021
Benzo(g,h,i)perylene		0.000200		**0.00185**	0.0020	0	92.7	0.001665	10.74	11/06/2021
Benzo(k)fluoranthene		0.000100		**0.00199**	0.0020	0	99.3	0.001786	10.58	11/06/2021
Chrysene		0.000100		**0.00199**	0.0020	0	99.6	0.001919	3.79	11/06/2021
Dibenzo(a,h)anthracene		0.000200		**0.00186**	0.0020	0	93.1	0.001627	13.52	11/06/2021
Fluoranthene		0.000300		**0.00189**	0.0020	0	94.4	0.001843	2.43	11/06/2021
Fluorene		0.000200		**0.00189**	0.0020	0	94.4	0.001890	0.08	11/06/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00196**	0.0020	0	98.2	0.001746	11.72	11/06/2021
Naphthalene		0.000400		**0.00174**	0.0020	0	87.1	0.001736	0.30	11/06/2021
Phenanthrene		0.000600		**0.00178**	0.0020	0	88.8	0.001774	0.10	11/06/2021
Pyrene		0.000200		**0.00179**	0.0020	0	89.4	0.001795	0.41	11/06/2021
Surr: 2-Fluorobiphenyl	*			**0.000790**	0.0010		79.0			11/06/2021
Surr: Nitrobenzene-d5	*			**0.000778**	0.0010		77.8			11/06/2021
Surr: p-Terphenyl-d14	*			**0.00101**	0.0010		101.1			11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184788 **SampType:** MBLK Units **mg/L**

SampID: MBLK-184788

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						11/09/2021
Acenaphthylene		0.000100		**ND**						11/09/2021
Anthracene		0.000300		**ND**						11/09/2021
Benzo(a)anthracene		0.000100		**ND**						11/09/2021
Benzo(a)pyrene		0.000200		**ND**						11/09/2021
Benzo(b)fluoranthene		0.000100		**ND**						11/09/2021
Benzo(g,h,i)perylene		0.000200		**ND**						11/09/2021
Benzo(k)fluoranthene		0.000100		**ND**						11/09/2021
Chrysene		0.000100		**ND**						11/09/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						11/09/2021
Fluoranthene		0.000300		**ND**						11/09/2021
Fluorene		0.000200		**ND**						11/09/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						11/09/2021
Naphthalene		0.000400		**ND**						11/09/2021
Phenanthrene		0.000600		**ND**						11/09/2021
Pyrene		0.000200		**ND**						11/09/2021
Surr: 2-Fluorobiphenyl	*			**0.000834**	0.0010		83.4	45.5	94.3	11/09/2021
Surr: Nitrobenzene-d5	*			**0.000796**	0.0010		79.6	51.6	102	11/09/2021
Surr: p-Terphenyl-d14	*			**0.00107**	0.0010		107.2	60.8	130	11/09/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184788 **SampType:** LCS Units **mg/L**

SampID: LCS-184788

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00170**	0.0020	0	85.0	54.7	110	11/09/2021
Acenaphthylene		0.000100		**0.00184**	0.0020	0	92.0	56.2	116	11/09/2021
Anthracene		0.000300		**0.00154**	0.0020	0	77.2	55.3	113	11/09/2021
Benzo(a)anthracene		0.000100		**0.00169**	0.0020	0	84.6	54.6	112	11/09/2021
Benzo(a)pyrene		0.000200		**0.00142**	0.0020	0	71.2	57.2	118	11/09/2021
Benzo(b)fluoranthene		0.000100		**0.00165**	0.0020	0	82.4	50.3	119	11/09/2021
Benzo(g,h,i)perylene		0.000200		**0.00152**	0.0020	0	76.1	59.3	122	11/09/2021
Benzo(k)fluoranthene		0.000100		**0.00162**	0.0020	0	81.0	58.8	114	11/09/2021
Chrysene		0.000100		**0.00168**	0.0020	0	83.9	58.9	113	11/09/2021
Dibenzo(a,h)anthracene		0.000200		**0.00159**	0.0020	0	79.5	50	134	11/09/2021
Fluoranthene		0.000300		**0.00160**	0.0020	0	80.2	61.2	114	11/09/2021
Fluorene		0.000200		**0.00167**	0.0020	0	83.4	61.6	110	11/09/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00157**	0.0020	0	78.4	54.3	128	11/09/2021
Naphthalene		0.000400		**0.00157**	0.0020	0	78.5	51.7	105	11/09/2021
Phenanthrene		0.000600		**0.00159**	0.0020	0	79.5	60.9	121	11/09/2021
Pyrene		0.000200		**0.00162**	0.0020	0	80.9	59.1	114	11/09/2021
Surr: 2-Fluorobiphenyl	*			**0.000789**	0.0010		78.9	45.5	94.3	11/09/2021
Surr: Nitrobenzene-d5	*			**0.000749**	0.0010		74.9	51.6	102	11/09/2021
Surr: p-Terphenyl-d14	*			**0.000941**	0.0010		94.1	60.8	130	11/09/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184788 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-184788

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00142**	0.0020	0	71.0	0.001701	18.03	11/09/2021
Acenaphthylene		0.000100		**0.00153**	0.0020	0	76.7	0.001840	18.15	11/09/2021
Anthracene		0.000300		**0.00130**	0.0020	0	65.1	0.001544	17.03	11/09/2021
Benzo(a)anthracene		0.000100		**0.00146**	0.0020	0	72.8	0.001691	14.98	11/09/2021
Benzo(a)pyrene		0.000200		**0.00124**	0.0020	0	62.0	0.001423	13.77	11/09/2021
Benzo(b)fluoranthene		0.000100		**0.00141**	0.0020	0	70.3	0.001648	15.77	11/09/2021
Benzo(g,h,i)perylene		0.000200		**0.00138**	0.0020	0	69.0	0.001523	9.90	11/09/2021
Benzo(k)fluoranthene		0.000100		**0.00138**	0.0020	0	69.1	0.001620	15.88	11/09/2021
Chrysene		0.000100		**0.00143**	0.0020	0	71.7	0.001679	15.72	11/09/2021
Dibenzo(a,h)anthracene		0.000200		**0.00133**	0.0020	0	66.3	0.001591	18.14	11/09/2021
Fluoranthene		0.000300		**0.00134**	0.0020	0	67.2	0.001603	17.58	11/09/2021
Fluorene		0.000200		**0.00147**	0.0020	0	73.7	0.001669	12.43	11/09/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00134**	0.0020	0	67.1	0.001567	15.50	11/09/2021
Naphthalene		0.000400		**0.00129**	0.0020	0	64.4	0.001570	19.78	11/09/2021
Phenanthrene		0.000600		**0.00137**	0.0020	0	68.7	0.001590	14.55	11/09/2021
Pyrene		0.000200		**0.00128**	0.0020	0	63.8	0.001619	23.64	11/09/2021
Surr: 2-Fluorobiphenyl	*			**0.000692**	0.0010		69.2			11/09/2021
Surr: Nitrobenzene-d5	*			**0.000678**	0.0010		67.8			11/09/2021
Surr: p-Terphenyl-d14	*			**0.000772**	0.0010		77.2			11/09/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 185011 **SampType:** MBLK Units **mg/L**

SampID: MBLK-185011

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**ND**						11/15/2021
Acenaphthylene		0.000100		**ND**						11/15/2021
Anthracene		0.000300		**ND**						11/15/2021
Benzo(a)anthracene		0.000100		**ND**						11/15/2021
Benzo(a)pyrene		0.000200		**ND**						11/15/2021
Benzo(b)fluoranthene		0.000100		**ND**						11/15/2021
Benzo(g,h,i)perylene		0.000200		**ND**						11/15/2021
Benzo(k)fluoranthene		0.000100		**ND**						11/15/2021
Chrysene		0.000100		**ND**						11/15/2021
Dibenzo(a,h)anthracene		0.000200		**ND**						11/15/2021
Fluoranthene		0.000300		**ND**						11/15/2021
Fluorene		0.000200		**ND**						11/15/2021
Indeno(1,2,3-cd)pyrene		0.000200		**ND**						11/15/2021
Naphthalene		0.000400		**ND**						11/15/2021
Phenanthrene		0.000600		**ND**						11/15/2021
Pyrene		0.000200		**ND**						11/15/2021
Surr: 2-Fluorobiphenyl	*			**0.000819**	0.0010		81.9	45.5	94.3	11/15/2021
Surr: Nitrobenzene-d5	*			**0.000871**	0.0010		87.1	51.6	102	11/15/2021
Surr: p-Terphenyl-d14	*			**0.000997**	0.0010		99.7	60.8	130	11/15/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 185011 **SampType:** LCS Units **mg/L**

SampID: LCS-185011

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene		0.000100		**0.00184**	0.0020	0	92.1	54.7	110	11/15/2021
Acenaphthylene		0.000100		**0.00193**	0.0020	0	96.7	56.2	116	11/15/2021
Anthracene		0.000300		**0.00166**	0.0020	0	82.9	55.3	113	11/15/2021
Benzo(a)anthracene		0.000100		**0.00190**	0.0020	0	95.1	54.6	112	11/15/2021
Benzo(a)pyrene		0.000200		**0.00166**	0.0020	0	82.8	57.2	118	11/15/2021
Benzo(b)fluoranthene		0.000100		**0.00188**	0.0020	0	93.8	50.3	119	11/15/2021
Benzo(g,h,i)perylene		0.000200		**0.00174**	0.0020	0	87.1	59.3	122	11/15/2021
Benzo(k)fluoranthene		0.000100		**0.00186**	0.0020	0	92.8	58.8	114	11/15/2021
Chrysene		0.000100		**0.00185**	0.0020	0	92.4	58.9	113	11/15/2021
Dibenzo(a,h)anthracene		0.000200		**0.00183**	0.0020	0	91.6	50	134	11/15/2021
Fluoranthene		0.000300		**0.00184**	0.0020	0	91.9	61.2	114	11/15/2021
Fluorene		0.000200		**0.00189**	0.0020	0	94.6	61.6	110	11/15/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00182**	0.0020	0	90.8	54.3	128	11/15/2021
Naphthalene		0.000400		**0.00173**	0.0020	0	86.5	51.7	105	11/15/2021
Phenanthrene		0.000600		**0.00209**	0.0020	0	104.7	60.9	121	11/15/2021
Pyrene		0.000200		**0.00184**	0.0020	0	92.0	59.1	114	11/15/2021
Surr: 2-Fluorobiphenyl	*			**0.000828**	0.0010		82.8	45.5	94.3	11/15/2021
Surr: Nitrobenzene-d5	*			**0.000783**	0.0010		78.3	51.6	102	11/15/2021
Surr: p-Terphenyl-d14	*			**0.000932**	0.0010		93.2	60.8	130	11/15/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 185011 **SampType:** LCSD Units **mg/L** RPD Limit: **40**

SampID: LCSD-185011

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene		0.000100		**0.00175**	0.0020	0	87.3	0.001842	5.31	11/15/2021
Acenaphthylene		0.000100		**0.00185**	0.0020	0	92.7	0.001934	4.17	11/15/2021
Anthracene		0.000300		**0.00149**	0.0020	0	74.7	0.001659	10.47	11/15/2021
Benzo(a)anthracene		0.000100		**0.00177**	0.0020	0	88.5	0.001903	7.19	11/15/2021
Benzo(a)pyrene		0.000200		**0.00156**	0.0020	0	77.8	0.001655	6.24	11/15/2021
Benzo(b)fluoranthene		0.000100		**0.00166**	0.0020	0	82.8	0.001876	12.51	11/15/2021
Benzo(g,h,i)perylene		0.000200		**0.00162**	0.0020	0	81.1	0.001742	7.16	11/15/2021
Benzo(k)fluoranthene		0.000100		**0.00177**	0.0020	0	88.5	0.001856	4.68	11/15/2021
Chrysene		0.000100		**0.00170**	0.0020	0	85.1	0.001848	8.27	11/15/2021
Dibenzo(a,h)anthracene		0.000200		**0.00168**	0.0020	0	83.8	0.001833	8.87	11/15/2021
Fluoranthene		0.000300		**0.00163**	0.0020	0	81.6	0.001839	11.97	11/15/2021
Fluorene		0.000200		**0.00177**	0.0020	0	88.4	0.001891	6.71	11/15/2021
Indeno(1,2,3-cd)pyrene		0.000200		**0.00168**	0.0020	0	83.9	0.001815	7.88	11/15/2021
Naphthalene		0.000400		**0.00165**	0.0020	0	82.4	0.001730	4.90	11/15/2021
Phenanthrene		0.000600		**0.00165**	0.0020	0	82.6	0.002095	23.66	11/15/2021
Pyrene		0.000200		**0.00161**	0.0020	0	80.5	0.001839	13.33	11/15/2021
Surr: 2-Fluorobiphenyl	*			**0.000779**	0.0010		77.9			11/15/2021
Surr: Nitrobenzene-d5	*			**0.000778**	0.0010		77.8			11/15/2021
Surr: p-Terphenyl-d14	*			**0.000885**	0.0010		88.5			11/15/2021

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

Batch 184691 **SampType:** MBLK Units **µg/L**

SampID: MBLK-AE211104A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						11/04/2021
Ethylbenzene	*	2.0		**ND**						11/04/2021
Toluene	*	2.0		**ND**						11/04/2021
Xylenes, Total	*	4.0		**ND**						11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**50.8**	50.00		101.5	80	120	11/04/2021
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.8	80	120	11/04/2021
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.4	80	120	11/04/2021
Surr: Toluene-d8	*			**49.5**	50.00		98.9	80	120	11/04/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184691 **SampType:** LCS Units µg/L

SampID: LCS-AE211104A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**50.5**	50.00	0	101.0	78.5	119	11/04/2021
Ethylbenzene	*	2.0		**50.5**	50.00	0	101.0	78.2	114	11/04/2021
Toluene	*	2.0		**50.3**	50.00	0	100.7	78.6	112	11/04/2021
Xylenes, Total	*	4.0		**151**	150.0	0	100.9	78.3	114	11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**49.8**	50.00		99.5	80	120	11/04/2021
Surr: 4-Bromofluorobenzene	*			**49.9**	50.00		99.9	80	120	11/04/2021
Surr: Dibromofluoromethane	*			**50.2**	50.00		100.3	80	120	11/04/2021
Surr: Toluene-d8	*			**49.4**	50.00		98.7	80	120	11/04/2021

Batch 184691 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AE211104A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**51.8**	50.00	0	103.7	50.52	2.56	11/04/2021
Ethylbenzene	*	2.0		**51.5**	50.00	0	103.0	50.48	2.02	11/04/2021
Toluene	*	2.0		**52.1**	50.00	0	104.1	50.33	3.38	11/04/2021
Xylenes, Total	*	4.0		**156**	150.0	0	104.2	151.4	3.17	11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**49.5**	50.00		99.0			11/04/2021
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.0			11/04/2021
Surr: Dibromofluoromethane	*			**49.9**	50.00		99.8			11/04/2021
Surr: Toluene-d8	*			**49.7**	50.00		99.5			11/04/2021

Batch 184692 **SampType:** MBLK Units µg/L

SampID: MBLK-AE211104A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						11/04/2021
Ethylbenzene	*	2.0		**ND**						11/04/2021
Toluene	*	2.0		**ND**						11/04/2021
Xylenes, Total	*	4.0		**ND**						11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.3	80	120	11/04/2021
Surr: 4-Bromofluorobenzene	*			**48.1**	50.00		96.3	80	120	11/04/2021
Surr: Dibromofluoromethane	*			**50.5**	50.00		101.0	80	120	11/04/2021
Surr: Toluene-d8	*			**49.6**	50.00		99.1	80	120	11/04/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184692 **SampType:** LCS Units µg/L

SampID: LCS-AE211104A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**51.5**	50.00	0	103.0	78.5	119	11/04/2021
Ethylbenzene	*	2.0		**51.4**	50.00	0	102.7	78.2	114	11/04/2021
Toluene	*	2.0		**51.9**	50.00	0	103.8	78.6	112	11/04/2021
Xylenes, Total	*	4.0		**154**	150.0	0	102.6	78.3	114	11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**50.3**	50.00		100.7	80	120	11/04/2021
Surr: 4-Bromofluorobenzene	*			**49.4**	50.00		98.8	80	120	11/04/2021
Surr: Dibromofluoromethane	*			**51.2**	50.00		102.3	80	120	11/04/2021
Surr: Toluene-d8	*			**49.5**	50.00		99.1	80	120	11/04/2021

Batch 184692 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AE211104A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**53.9**	50.00	0	107.8	51.49	4.54	11/04/2021
Ethylbenzene	*	2.0		**53.7**	50.00	0	107.5	51.36	4.51	11/04/2021
Toluene	*	2.0		**53.3**	50.00	0	106.7	51.89	2.76	11/04/2021
Xylenes, Total	*	4.0		**160**	150.0	0	106.9	154.0	4.08	11/04/2021
Surr: 1,2-Dichloroethane-d4	*			**49.7**	50.00		99.4			11/04/2021
Surr: 4-Bromofluorobenzene	*			**51.7**	50.00		103.4			11/04/2021
Surr: Dibromofluoromethane	*			**50.8**	50.00		101.6			11/04/2021
Surr: Toluene-d8	*			**49.5**	50.00		99.0			11/04/2021

Batch 184692 **SampType:** MS Units µg/L

SampID: 21110303-025DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**48.6**	50.00	0	97.2	72	120	11/05/2021
Ethylbenzene		2.0		**49.0**	50.00	0.1900	97.7	74.8	115	11/05/2021
Toluene		2.0		**47.1**	50.00	0	94.2	70.6	109	11/05/2021
Xylenes, Total		4.0		**95.7**	100.0	0.8300	94.8	72.1	113	11/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.3**	50.00		102.5	80	120	11/05/2021
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		100.1	80	120	11/05/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.1	80	120	11/05/2021
Surr: Toluene-d8	*			**49.4**	50.00		98.8	80	120	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184692 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 21110303-025DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**48.6**	50.00	0	97.1	48.59	0.06	11/05/2021
Ethylbenzene		2.0		**49.4**	50.00	0.1900	98.5	49.04	0.77	11/05/2021
Toluene		2.0		**47.5**	50.00	0	95.1	47.08	0.97	11/05/2021
Xylenes, Total		4.0		**95.6**	100.0	0.8300	94.8	95.68	0.09	11/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.3**	50.00		102.6			11/05/2021
Surr: 4-Bromofluorobenzene	*			**50.2**	50.00		100.4			11/05/2021
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.8			11/05/2021
Surr: Toluene-d8	*			**48.7**	50.00		97.4			11/05/2021

Batch 184762 **SampType:** MBLK Units µg/L

SampID: MBLK-AM211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						11/05/2021
Ethylbenzene	*	2.0		**ND**						11/05/2021
Toluene	*	2.0		**ND**						11/05/2021
Xylenes, Total	*	4.0		**ND**						11/05/2021
Surr: 1,2-Dichloroethane-d4	*			**51.5**	50.00		103.0	80	120	11/05/2021
Surr: 4-Bromofluorobenzene	*			**50.7**	50.00		101.5	80	120	11/05/2021
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.3	80	120	11/05/2021
Surr: Toluene-d8	*			**48.9**	50.00		97.7	80	120	11/05/2021

Batch 184762 **SampType:** LCS Units µg/L

SampID: LCS-AM211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**50.0**	50.00	0	99.9	78.5	119	11/05/2021
Ethylbenzene	*	2.0		**50.7**	50.00	0	101.5	78.2	114	11/05/2021
Toluene	*	2.0		**50.0**	50.00	0	100.1	78.6	112	11/05/2021
Xylenes, Total	*	4.0		**153**	150.0	0	101.9	78.3	114	11/05/2021
Surr: 1,2-Dichloroethane-d4	*			**50.7**	50.00		101.4	80	120	11/05/2021
Surr: 4-Bromofluorobenzene	*			**48.9**	50.00		97.8	80	120	11/05/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		99.9	80	120	11/05/2021
Surr: Toluene-d8	*			**49.8**	50.00		99.7	80	120	11/05/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184762 **SampType:** LCSD Units µg/L RPD Limit: 15.9

SampID: LCSD-AM211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**50.3**	50.00	0	100.7	49.95	0.76	11/05/2021
Ethylbenzene	*	2.0		**51.4**	50.00	0	102.8	50.74	1.25	11/05/2021
Toluene	*	2.0		**50.4**	50.00	0	100.8	50.03	0.76	11/05/2021
Xylenes, Total	*	4.0		**154**	150.0	0	102.4	152.9	0.46	11/05/2021
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.2			11/05/2021
Surr: 4-Bromofluorobenzene	*			**48.5**	50.00		97.1			11/05/2021
Surr: Dibromofluoromethane	*			**50.0**	50.00		100.1			11/05/2021
Surr: Toluene-d8	*			**50.2**	50.00		100.4			11/05/2021

Batch 184762 **SampType:** MS Units µg/L

SampID: 21110303-027DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		0.5		**46.7**	50.00	0	93.3	72	120	11/06/2021
Ethylbenzene		2.0		**47.4**	50.00	0	94.8	74.8	115	11/06/2021
Toluene		2.0		**44.5**	50.00	0	88.9	70.6	109	11/06/2021
Xylenes, Total		4.0		**91.6**	100.0	0.2900	91.3	72.1	113	11/06/2021
Surr: 1,2-Dichloroethane-d4	*			**52.2**	50.00		104.5	80	120	11/06/2021
Surr: 4-Bromofluorobenzene	*			**51.5**	50.00		103.0	80	120	11/06/2021
Surr: Dibromofluoromethane	*			**50.4**	50.00		100.9	80	120	11/06/2021
Surr: Toluene-d8	*			**48.5**	50.00		97.0	80	120	11/06/2021

Batch 184762 **SampType:** MSD Units µg/L RPD Limit: 20

SampID: 21110303-027DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		0.5		**46.5**	50.00	0	93.1	46.66	0.28	11/06/2021
Ethylbenzene		2.0		**48.1**	50.00	0	96.3	47.38	1.59	11/06/2021
Toluene		2.0		**44.7**	50.00	0	89.5	44.46	0.63	11/06/2021
Xylenes, Total		4.0		**92.2**	100.0	0.2900	92.0	91.59	0.72	11/06/2021
Surr: 1,2-Dichloroethane-d4	*			**51.8**	50.00		103.5			11/06/2021
Surr: 4-Bromofluorobenzene	*			**51.6**	50.00		103.3			11/06/2021
Surr: Dibromofluoromethane	*			**49.8**	50.00		99.5			11/06/2021
Surr: Toluene-d8	*			**48.9**	50.00		97.7			11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184763 **SampType:** MBLK Units µg/L

SampID: MBLK-AE211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						11/06/2021
Ethylbenzene	*	2.0		**ND**						11/06/2021
Toluene	*	2.0		**ND**						11/06/2021
Xylenes, Total	*	4.0		**ND**						11/06/2021
Surr: 1,2-Dichloroethane-d4	*			**51.9**	50.00		103.7	80	120	11/06/2021
Surr: 4-Bromofluorobenzene	*			**50.3**	50.00		100.6	80	120	11/06/2021
Surr: Dibromofluoromethane	*			**50.6**	50.00		101.3	80	120	11/06/2021
Surr: Toluene-d8	*			**49.2**	50.00		98.5	80	120	11/06/2021

Batch 184763 **SampType:** LCS Units µg/L

SampID: LCS-AE211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**53.0**	50.00	0	106.1	78.5	119	11/06/2021
Ethylbenzene	*	2.0		**52.2**	50.00	0	104.5	78.2	114	11/06/2021
Toluene	*	2.0		**52.2**	50.00	0	104.3	78.6	112	11/06/2021
Xylenes, Total	*	4.0		**157**	150.0	0	104.9	78.3	114	11/06/2021
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.4	80	120	11/06/2021
Surr: 4-Bromofluorobenzene	*			**51.4**	50.00		102.7	80	120	11/06/2021
Surr: Dibromofluoromethane	*			**50.8**	50.00		101.7	80	120	11/06/2021
Surr: Toluene-d8	*			**48.7**	50.00		97.3	80	120	11/06/2021

Batch 184763 **SampType:** LCSD Units µg/L RPD Limit: **15.9**

SampID: LCSD-AE211105A-2

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	*	0.5		**52.4**	50.00	0	104.8	53.04	1.19	11/06/2021
Ethylbenzene	*	2.0		**50.7**	50.00	0	101.4	52.25	2.99	11/06/2021
Toluene	*	2.0		**50.6**	50.00	0	101.3	52.16	2.98	11/06/2021
Xylenes, Total	*	4.0		**152**	150.0	0	101.3	157.3	3.47	11/06/2021
Surr: 1,2-Dichloroethane-d4	*			**50.6**	50.00		101.1			11/06/2021
Surr: 4-Bromofluorobenzene	*			**50.4**	50.00		100.7			11/06/2021
Surr: Dibromofluoromethane	*			**50.8**	50.00		101.7			11/06/2021
Surr: Toluene-d8	*			**48.4**	50.00		96.8			11/06/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184898 **SampType:** MBLK Units µg/L

SampID: MBLK-AM211110A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**ND**						11/10/2021
Ethylbenzene	*	2.0		**ND**						11/10/2021
Toluene	*	2.0		**ND**						11/10/2021
Xylenes, Total	*	4.0		**ND**						11/10/2021
Surr: 1,2-Dichloroethane-d4	*			**50.4**	50.00		100.7	80	120	11/10/2021
Surr: 4-Bromofluorobenzene	*			**50.4**	50.00		100.8	80	120	11/10/2021
Surr: Dibromofluoromethane	*			**49.7**	50.00		99.5	80	120	11/10/2021
Surr: Toluene-d8	*			**49.1**	50.00		98.2	80	120	11/10/2021

Batch 184898 **SampType:** LCS Units µg/L

SampID: LCS-AM211110A-1

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	*	0.5		**43.5**	50.00	0	87.0	78.5	119	11/10/2021
Ethylbenzene	*	2.0		**44.6**	50.00	0	89.1	78.2	114	11/10/2021
Toluene	*	2.0		**43.5**	50.00	0	87.1	78.6	112	11/10/2021
Xylenes, Total	*	4.0		**134**	150.0	0	89.0	78.3	114	11/10/2021
Surr: 1,2-Dichloroethane-d4	*			**50.2**	50.00		100.4	80	120	11/10/2021
Surr: 4-Bromofluorobenzene	*			**50.0**	50.00		99.9	80	120	11/10/2021
Surr: Dibromofluoromethane	*			**49.4**	50.00		98.7	80	120	11/10/2021
Surr: Toluene-d8	*			**49.9**	50.00		99.8	80	120	11/10/2021

Batch 184898 **SampType:** MS Units µg/L

SampID: 21110303-031DMS

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene		5.0		**821**	500.0	257.7	112.6	72	120	11/10/2021
Ethylbenzene		20.0	S	**1410**	500.0	774.0	126.7	74.8	115	11/10/2021
Toluene		20.0		**509**	500.0	5.200	100.7	70.6	109	11/10/2021
Xylenes, Total		40.0		**1310**	1000	204.5	110.3	72.1	113	11/10/2021
Surr: 1,2-Dichloroethane-d4	*			**533**	500.0		106.6	80	120	11/10/2021
Surr: 4-Bromofluorobenzene	*			**515**	500.0		103.0	80	120	11/10/2021
Surr: Dibromofluoromethane	*			**503**	500.0		100.6	80	120	11/10/2021
Surr: Toluene-d8	*			**489**	500.0		97.8	80	120	11/10/2021

Client: ERM **Work Order:** 21110303

Client Project: Champaign GW **Report Date:** 16-Nov-21

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

Batch 184898 **SampType:** MSD Units **µg/L** RPD Limit: **20**

SampID: 21110303-031DMSD

Analyses	Cert	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene		5.0		**762**	500.0	257.7	100.8	820.8	7.50	11/10/2021
Ethylbenzene		20.0		**1340**	500.0	774.0	113.2	1407	4.90	11/10/2021
Toluene		20.0		**459**	500.0	5.200	90.8	508.8	10.23	11/10/2021
Xylenes, Total		40.0		**1190**	1000	204.5	98.9	1307	9.08	11/10/2021
Surr: 1,2-Dichloroethane-d4	*			**524**	500.0		104.9			11/10/2021
Surr: 4-Bromofluorobenzene	*			**509**	500.0		101.8			11/10/2021
Surr: Dibromofluoromethane	*			**494**	500.0		98.9			11/10/2021
Surr: Toluene-d8	*			**489**	500.0		97.8			11/10/2021

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 21110303
Report Date: 16-Nov-21

Carrier: Michael Abegg

Received By: PWR

Completed by: Mary E. Kemp
On: 04-Nov-21
Mary E. Kemp

Reviewed by: Elizabeth A. Hurley
On: 04-Nov-21
Elizabeth A. Hurley

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C 0.6
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

pH strip #77366/76907. - PR/MKemp - 11/4/2021 11:51:07 AM

Additional sodium hydroxide (78386) was needed in cyanide samples upon arrival at the laboratory. - PR/MKemp - 11/4/2021 11:51:09 AM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - MKemp - 11/4/2021 11:51:11 AM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 21110303

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

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

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 0.6 °C LTG# 3

Preserved in: ☒ LAB ☐ FIELD 77366 76907 **FOR LAB USE ONLY**

Lab Notes: Add NaOH (78386) PK 11/4/21

HS ok in ½ vials on 302 PK 11/4/21

Client Comments PB RL : 0.0075 mg/L

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

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

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

Project Name/Number	Sample Collector's Name
Champaign GW	Abess / Bailey / Bernstein

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Aqueous	Groundwater	Trip Blank	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21110303-001	UMW-102-WG-20211101	11/01/21 ; 1335	1	1	1	2		X		X	X	X	X
002	UMW-105-WG-20211103	11/03/21 ; 1035	1	1	1	2		X		X	X	X	X
003	UMW-106R-WG-20211102	11/02/21 ; 1230	1	1	1	2		X		X	X	X	X
004	UMW-107R-WG-20211102	11/02/21 ; 1415	1	1	1	2		X		X	X	X	X
005	UMW-108-WG-20211102	11/02/21 ; 1105	1	1	1	2		X		X	X	X	X
006	UMW-109-WG-20211102	11/02/21 , 0950	1	1	1	2		X		X	X	X	X
007	UMW-111A-WG-20211102	11/02/21 ; 0855	1	1	1	2		X		X	X	X	X
008	UMW-116-WG-20211102	11/02/21 ; 1325	1	1	1	2		X		X	X	X	X
009	UMW-117-WG-20211102	11/02/21 ; 1345	1	1	1	2		X		X	X	X	X
010	UMW-118-WG-20211102	11/02/21 ; 1045	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
(ERM)	11/4/21 , 940	KB	11/4/21 0940

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.

Bottle Order: 68728

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 21110303

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

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

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE ____ °C LTG# ____
Preserved in: [ ] LAB [ ] FIELD **FOR LAB USE ONLY**
Lab Notes:

Client Comments
PB RL: 0.0075 mg/L

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

Project Name/Number	Sample Collector's Name
Champaign GW	Abegg/Barley/Burnstein

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21110303-011	UMW-119-WG-20211101	11/01/21; 1515	1	1	1	2		X		X	X	X	X
012	UMW-120-WG-20211102	11/02/21; 0845	1	1	1	2		X		X	X	X	X
013	UMW-121-WG-20211103	11/03/21; 1135	1	1	1	2		X		X	X	X	X
014	UMW-122-WG-20211102	11/02/21; 1145	1	1	1	2		X		X	X	X	X
015	UMW-123-WG-20211102	11/02/21; 1515	1	1	1	2		X		X	X	X	X
016	UMW-124-WG-20211103	11/03/21; 1340	1	1	1	2		X		X	X	X	X
017	UMW-125-WG-20211103	11/03/21; 0920	1	1	1	2		X		X	X	X	X
018	UMW-126-WG-20211103	11/03/21; 1330	1	1	1	2		X		X	X	X	X
019	UMW-127-WG-20211103	11/03/21 1125	1	1	1	2		X		X	X	X	X
020	UMW-300-WG-20211102	11/02/21; 1015	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	11/4/21; 940	[signature]	11/4/21 0940

BottleOrder: 68728

CHAIN OF CUSTODY

 Work order # 21110303

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

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

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE ____ °C LTG# ____
Preserved in: ☐ LAB ☐ FIELD **FOR LAB USE ONLY**
Lab Notes:

Client Comments
PB limit: 0.0075 mg/L

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

Project Name/Number	Sample Collector's Name
Champaign GW	Abegg / Bunsten / Berry

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNP	HNO3	NaOH	HCl	Aqueous	Groundwater	Trip Blank	BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
21110303-021	UMW-301R-WG-20211103	11/03/21; 1220	1	1	1	2		X		X	X	X	X
022	UMW-302-WG-20211103	11/03/21; 1450	1	1	1	2		X		X	X	X	X
023	UMW-303-WG-20211102	11/02/21; 1215	1	1	1	2		X		X	X	X	X
024	UMW-304R-WG-20211103	11/03/21; 1025	1	1	1	2		X		X	X	X	X
025	UMW-305-WG-20211103	11/03/21; 0910	~~1~~ 3	~~1~~ 2	~~1~~ 2	~~2~~ 6 MA		X		X	X	X	X
026	UMW-306-WG-20211102	11/02/21; 1550	1	1	1	2		X		X	X	X	X
027	UMW-307-WG-20211102	11/02/21; 1500	~~1~~ 3	~~1~~ 2	~~1~~ 2	~~2~~ 6 MA		X		X	X	X	X
028	UMW-308-WG-20211103	11/03/21; 1245	1	1	1	2		X		X	X	X	X
029	DUP 001-WG-20211103	11/03/21; —	1	1	1	2		X		X	X	X	X
030	DUP 002-WG-20211103	11/03/21; —	1	1	1	2		X		X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
[signature] (ERM)	11/4/21; 940	[signature]	11/4/21 0940

BottleOrder: 68728

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 21110303

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

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

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE ____ °C LTG# ____

Preserved in: [X] LAB [ ] FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments

PB RL : 0.0075 mg/L

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

Are these samples known to be hazardous? [ ] Yes [X] No

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

Project Name/Number	Sample Collector's Name
Champaign GW	Bass / Barley / Burnstein

Results Requested

[X] Standard [ ] 1-2 Day (100% Surcharge) [ ] Other ____ [ ] 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl					MATRIX: Aqueous	Groundwater	Trip Blank				INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A														
21110303-031	DUP 003-WG-202111 03	11/03/21 ; -	1	1	1	2						X					X	X	X	X														
-032	EB-01-WQ-202111 01	11/01/21 ; 1215	1	1	1	2					X						X	X	X	X														
033	TB-01-WQ-202111 01	11/01/21 ; 1100				2							X				X																	
034	EB-02-WQ-202111 03	11/03/21 ; 0815	1	1	1	2					X						X	X	X	X														
	~~TB-02-WQ-202111~~ MA					2							X				X																	
	~~TB-03-WQ-202111~~ MA					2							X				X																	

Relinquished By	Date/Time	Received By	Date/Time
(COM)	11/4/21 : 940		11/4/21 0940

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: 68728

ERM

1050 SW 6th Avenue
Suite 1650
Portland, OR 97204

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

www.erm.com

Memorandum

To	Lacy Smith
From	Rachel James
Date	16 December 2021
Reference	0584559
Subject	Data Review of Ameren Champaign Groundwater Samples Fourth Quarter 2021: Teklab, Inc. Data Package 21110303.

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

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

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

Stage 4 data review for 20 percent of the samples (6 samples: UMW-109-WG-20211102, UMW-124-WG-20211103, UMW-301R-WG-20211103, UMW-302-WG-20211103, DUP-001-WG-20211103, and DUP-003-WG--20211103) was performed. The Stage 4 review included all of the QA/QC project and/or method-prescribed criteria for Stage 2B review plus:

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

CHAIN-OF-CUSTODY DISCREPANCIES

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

HOLDING TIME AND PRESERVATION EVALUATION

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

BLANK EVALUATION

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

The equipment blank sample results were non-detected for each of the target analytes with the exception noted in Table 2. Naphthalene was detected in equipment blank sample EB-02-WQ-20211103 at a concentration greater than the reporting limit. Associated naphthalene results less than the blank concentration were qualified as non-detect (U) at the sample concentration. Associated naphthalene results within five times the blank concentration and greater than the reporting limit were qualified as estimated with a high bias (J+).

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and initial/continuing calibration verification (ICV/CCV). For linear ICALs, the correlation coefficient (r^2) was

within control limits and for average response factor ICALs, the relative standard deviations (RSDs) were within the control limits. The laboratory also calculated the relative response factors (RRFs) for the analytes in the ICAL. The reported percent relative standard deviations and RRFs were compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The laboratory calculated the percent deviation (%D) between CCV/ICV and the ICAL. The laboratory calculated the CCV/ICV RRFs. The %Ds and RRFs were then compared to the method-prescribed acceptance criteria and validation criteria during the data validation. The ICAL and ICV/CCV results were within acceptable limits for the reported sample results with the exceptions noted in Table 3. Benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene had percent deviations outside the Method 8270C control limits in two CCVs. Associated sample results were non-detected and were qualified (UJ) due to the out of control CCV deviations.

BLANK SPIKE EVALUATION

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

MATRIX SPIKE EVALUATION

The laboratory prepared several project samples for MS/MSD analysis. The recoveries and RPDs were within the laboratory's limits of acceptance, with one exception. Ethylbenzene was recovered above the control limit in the MS sample prepared from DUP 003-WG-20211103 (field duplicate of sample UMW-302-WG-20211103). Teklab qualified this result in the parent sample with an (S) flag. The recovery was within the control limits in the paired MSD sample; therefore, the result in the parent sample was not qualified due to the MS recovery alone. The S flag has been removed. The matrix spike outlier is presented in Table 4.

SURROGATE SPIKE EVALUATION

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

INTERNAL STANDARD EVALUATION

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

FIELD DUPLICATE EVALUATION

Three samples were collected and submitted in duplicate. ERM calculated the absolute differences or RPDs between detected results in Table 5. An RPD control limit of 30 was used when both the sample and the field duplicate results were greater than or equal to five times the reporting limit. An absolute difference control limit of two times the reporting limit was used when at least one of the results was less than five times the reporting limit. Professional judgement was used if one result was greater than the RL and the other was not detected (ND). When the reporting limits in both samples were comparable, the reporting limit for the ND result was used in the difference

calculation. When the reporting limits in both samples were not comparable, the difference limit was not applicable. All analytes in the parent sample/field duplicate pairs met the control limits.

RECALCULATION

All result recalculations agreed with reported results.

OVERALL ASSESSMENT

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

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

Lab Package	Sample ID	Method	Preservation Condition	Limits	Comment	ERM Qualifier
21110303	All	9012A	pH < 12	pH > 12	Lab added sodium hydroxide upon receipt and samples were successfully preserved.	--

Lab package reviewed: 21110303

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

Lab Package	Blank ID	Detected Analyte	Reported Blank Concentration	Blank Report Limit	Associated Sample	Associated Sample Result	Associated Sample Report Limit	Units	ERM Qualifier
21110303	EB-02-WQ-20211103	Naphthalene	0.00267	0.000400	UMW-127-WG-20211103	0.00152	0.000400	mg/L	0.00152 U
					UMW-301R-WG-20211103	0.00936	0.00200	mg/L	J+
					UMW-303-WG-20211102	0.00123	0.000400	mg/L	0.00123 U

Lab package reviewed: 21110303

Notes:
EB = Equipment blank
mg/L = Milligrams per liter
J+ = Detected results are estimated with a high bias
U = Nondetected

Table 3
Calibration Verification Recoveries Outside of Acceptable Limits
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
21110303	CCV BNA210903D Analyzed 11/5/2021 22:57 Instrument S	Benzo(b)fluoranthene	22.9	± 20	UMW-116-WG-20211102	ND	mg/L	UJ
					UMW-117-WG-20211102	ND	mg/L	UJ
					UMW-118-WG-20211102	ND	mg/L	UJ
					UMW-119-WG-20211101	ND	mg/L	UJ
					UMW-120-WG-20211102	ND	mg/L	UJ
					UMW-121-WG-20211103	ND	mg/L	UJ
					UMW-122-WG-20211102	ND	mg/L	UJ
					UMW-123-WG-20211102	ND	mg/L	UJ
					UMW-124-WG-20211103	ND	mg/L	UJ
		Indeno(1,2,3-cd)pyrene	22.2	± 20	UMW-116-WG-20211102	ND	mg/L	UJ
					UMW-117-WG-20211102	ND	mg/L	UJ
					UMW-118-WG-20211102	ND	mg/L	UJ
					UMW-119-WG-20211101	ND	mg/L	UJ
					UMW-120-WG-20211102	ND	mg/L	UJ
					UMW-121-WG-20211103	ND	mg/L	UJ
					UMW-122-WG-20211102	ND	mg/L	UJ
					UMW-123-WG-20211102	ND	mg/L	UJ
					UMW-124-WG-20211103	ND	mg/L	UJ

Table 3
Calibration Verification Recoveries Outside of Acceptable Limits
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
21110303	CCV BNA210903D Analyzed 11/5/2021 22:57 Instrument S	Dibenzo(a,h)anthracene	21.6	± 20	UMW-116-WG-20211102	ND	mg/L	UJ
					UMW-117-WG-20211102	ND	mg/L	UJ
					UMW-118-WG-20211102	ND	mg/L	UJ
					UMW-119-WG-20211101	ND	mg/L	UJ
					UMW-120-WG-20211102	ND	mg/L	UJ
					UMW-121-WG-20211103	ND	mg/L	UJ
					UMW-122-WG-20211102	ND	mg/L	UJ
					UMW-123-WG-20211102	ND	mg/L	UJ
					UMW-124-WG-20211103	ND	mg/L	UJ
		Benzo(g,h,i)perylene	31.5	± 20	UMW-116-WG-20211102	ND	mg/L	UJ
					UMW-117-WG-20211102	ND	mg/L	UJ
					UMW-118-WG-20211102	ND	mg/L	UJ
					UMW-119-WG-20211101	ND	mg/L	UJ
					UMW-120-WG-20211102	ND	mg/L	UJ
					UMW-121-WG-20211103	ND	mg/L	UJ
					UMW-122-WG-20211102	ND	mg/L	UJ
					UMW-123-WG-20211102	ND	mg/L	UJ
					UMW-124-WG-20211103	ND	mg/L	UJ

Table 3
Calibration Verification Recoveries Outside of Acceptable Limits
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
21110303	CCV BNA211022N Analyzed 11/5/2021 21:57 Instrument A	Benzo(k)fluoranthene	-24.1	± 20	UMW-126-WG-20211103	ND	mg/L	UJ
					UMW-127-WG-20211103	ND	mg/L	UJ
					UMW-300-WG-20211102	ND	mg/L	UJ
					UMW-301R-WG-20211103	ND	mg/L	UJ
					UMW-302-WG-20211103	ND	mg/L	UJ
					UMW-303-WG-20211102	ND	mg/L	UJ
					UMW-304R-WG-20211103	ND	mg/L	UJ
					UMW-305-WG-20211103	ND	mg/L	UJ
					UMW-306-WG-20211102	ND	mg/L	UJ
					UMW-308-WG-20211103	ND	mg/L	UJ
					DUP-001-WG-20211103	ND	mg/L	UJ
		Indeno(1,2,3-cd)pyrene	23.5	± 20	UMW-126-WG-20211103	ND	mg/L	UJ
					UMW-127-WG-20211103	ND	mg/L	UJ
					UMW-300-WG-20211102	ND	mg/L	UJ
					UMW-301R-WG-20211103	ND	mg/L	UJ
					UMW-302-WG-20211103	ND	mg/L	UJ
					UMW-303-WG-20211102	ND	mg/L	UJ
					UMW-304R-WG-20211103	ND	mg/L	UJ
					UMW-305-WG-20211103	ND	mg/L	UJ
					UMW-306-WG-20211102	ND	mg/L	UJ
					UMW-308-WG-20211103	ND	mg/L	UJ
					DUP-001-WG-20211103	ND	mg/L	UJ

Table 3
Calibration Verification Recoveries Outside of Acceptable Limits
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	CCV Sample ID	Analyte	CCV Deviation (%)	CCV Limits (%)	Associated Sample	Reported Concentration	Units	ERM Qualifier
21110303	CCV BNA211022N Analyzed 11/5/2021 21:57 Instrument A	Dibenzo(a,h)anthracene	23.3	± 20	UMW-126-WG-20211103	ND	mg/L	UJ
					UMW-127-WG-20211103	ND	mg/L	UJ
					UMW-300-WG-20211102	ND	mg/L	UJ
					UMW-301R-WG-20211103	ND	mg/L	UJ
					UMW-302-WG-20211103	ND	mg/L	UJ
					UMW-303-WG-20211102	ND	mg/L	UJ
					UMW-304R-WG-20211103	ND	mg/L	UJ
					UMW-305-WG-20211103	ND	mg/L	UJ
					UMW-306-WG-20211102	ND	mg/L	UJ
					UMW-308-WG-20211103	ND	mg/L	UJ
					DUP-001-WG-20211103	ND	mg/L	UJ
		Benzo(g,h,i)perylene	29.5	± 20	UMW-126-WG-20211103	ND	mg/L	UJ
					UMW-127-WG-20211103	ND	mg/L	UJ
					UMW-300-WG-20211102	ND	mg/L	UJ
					UMW-301R-WG-20211103	ND	mg/L	UJ
					UMW-302-WG-20211103	ND	mg/L	UJ
					UMW-303-WG-20211102	ND	mg/L	UJ
					UMW-304R-WG-20211103	ND	mg/L	UJ
					UMW-305-WG-20211103	ND	mg/L	UJ
					UMW-306-WG-20211102	ND	mg/L	UJ
					UMW-308-WG-20211103	ND	mg/L	UJ
					DUP-001-WG-20211103	ND	mg/L	UJ

Lab package reviewed: 21110303

Notes:
CCV = Continuing calibration verification
mg/L = Milligrams per liter
ND = Not detected
UJ = Nondetected, estimated report limit

Table 4
Spike Recoveries Outside of Acceptable Limits
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Spike Sample ID	Associated Sample	Analyte	Recovery (%)	Limit (%)	RPD	RPD Limit	Result	Units	ERM Qualifier
MS/MSD										
21110303	DUP 003-WG-20211103 MS/MSD	DUP 003-WG-20211103	Ethylbenzene	126.7/113.2	74.8-115	4.90	20	--	--	--

Lab package reviewed: 21110303

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

Table 5
Field Duplicate Results and Calculated Relative Percent Differences
Fourth Quarter 2021 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Primary/Duplicate Sample ID	Analyte	Concentration		Report Limit		Absolute Difference	Difference Limit	Units	RPD	RPD Limit	ERM Qualifier
			Sample	Duplicate	Sample	Duplicate						
21110303	UMW-124-WG-20211103/ DUP 001-WG-20211103	Cyanide	0.012	0.013	0.005	0.005	0.001	0.010	mg/L	--	--	--
		Barium	0.0285	0.0291	0.0025	0.0025	--	--	mg/L	2.1	30	--
		Acenaphthene	0.000532	0.000652	0.000100	0.000100	--	--	mg/L	20	30	--
		Acenaphthylene	0.000459	0.000502	0.000100	0.000100	0.000043	0.000200	mg/L	--	--	--
		Fluorene	ND[1]	0.000320	0.000200	0.000200	0.00012	0.000400	mg/L	--	--	--
		Naphthalene	0.0620	0.0691	0.0100	0.0100	--	--	mg/L	11	30	--
		Benzene	104	99.0	0.5	0.5	--	--	µg/L	4.9	30	--
		Ethylbenzene	15.9	14.2	2.0	2.0	--	--	µg/L	11	30	--
		Toluene	91.4	87.5	2.0	2.0	--	--	µg/L	4.4	30	--
		Xylene, Total	48.3	43.3	4.0	4.0	--	--	µg/L	11	30	--
	UMW-126-WG-20211103/ DUP 002-WG-20211103	Barium	0.0254	0.0254	0.0025	0.0025	--	--	mg/L	0.0	30	--
		Benzene	19.3	18.2	0.5	0.5	--	--	µg/L	5.9	30	--
	UMW-302-WG-20211103/ DUP 003-WG-20211103	Cyanide	0.099	0.096	0.025	0.025	0.003	0.050	mg/L	--	--	--
		Barium	0.0509	0.0513	0.0025	0.0025	--	--	mg/L	0.8	30	--
		Acenaphthene	0.000710	0.000589	0.000100	0.000100	--	--	mg/L	19	30	--
		Acenaphthylene	0.000500	0.000404	0.000100	0.000100	0.000096	0.000200	mg/L	--	--	--
		Naphthalene	2.20	2.02	0.400	0.400	--	--	mg/L	8.5	30	--
		Benzene	256	258	5.0	5.0	--	--	µg/L	0.8	30	--
		Ethylbenzene	763	774	20.0	20.0	--	--	µg/L	1.4	30	--
		Toluene	ND[2]	5.5	20.0	2.0	--	--	µg/L	--	--	--
		Xylene, Total	202	204	40.0	40.0	--	--	µg/L	1.0	30	--

Lab package reviewed: 21110303

Notes:
1 = Difference calculated between reporting limit of non-detect result and detected result
2 = No difference calculated, reporting limits in parent and duplicate not comparable
mg/L = Milligrams per liter
ND = Not detected
RPD = Relative percent difference
µg/L = Micrograms per liter

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