April 29, 2019

Mr. Todd Hall
Voluntary Site Remediation Unit B
Remedial Project Management Section
Division of Remediation Management
1021 North Grand Ave East
P.O. Box 19276
Springfield, IL 62794-9276

Subject: Groundwater Monitoring Summary
Third Quarter 2018 Sampling Event
Champaign Former MGP Site, Champaign, Illinois

Dear Mr. Hall:

On behalf of Ameren Illinois, Environmental Resources Management, Inc. (ERM) has completed the third quarter 2018 groundwater sampling event at the Champaign Former Manufactured Gas Plant (FMGP) Site, located at 308 N. 5th Street in Champaign, Illinois. This report summarizes the field data and analytical results for the quarterly groundwater monitoring event conducted in September 2018.

INTRODUCTION

Groundwater sampling activities for the third quarter 2018 monitoring event were conducted from September 17 through 19. During the sampling event, groundwater samples were collected from 28 monitoring wells: which include seven on-site monitoring wells and 21 off-site monitoring wells.

The depth to groundwater was initially measured at each monitoring well location upon arrival. Groundwater was purged from the monitoring wells using the dedicated bladder pumps until water quality instrumentation indicated that measured parameters had stabilized. Upon stabilization, water samples were collected in containers provided by the laboratory and placed in ice-filled coolers pending delivery to the analytical laboratory.

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

Groundwater level measurement data for the third quarter 2018 sampling event is provided in Table 1. Information on the table includes measurements of depth to water below each well's measuring point (MP), and calculated groundwater elevation. Groundwater elevation contour maps for the shallow monitoring zone (100 series wells) and the intermediate depth unit (300 series wells) are provided on Figures 1 and 2, respectively.

The analytical results for groundwater samples collected during this event are summarized in Table 2. The concentrations detected in samples that exceed an applicable Illinois Environmental Protection Agency (IEPA) groundwater standard are highlighted. The monitoring well locations where sample results exceeded a standard 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, an equipment blank, and a trip blank. Blind duplicates were collected from shallow monitoring well locations UMW-107R and UMW-126, and from intermediate monitoring well 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.

GROUNDWATER MONITORING RESULTS

Groundwater Levels

The measured depth to groundwater and elevations at the Champaign FMGP Site for the September 2018 sampling event are shown on Table 1. The depth to groundwater in the shallow monitoring wells ranged from 2.22 to 12.95 feet below MP. The shallowest occurrence of groundwater occurred at the on-site monitoring well locations, with depths ranging from 2.22 to 4.24 feet below MP.

As shown on Figure 1, the shallow groundwater at the FMGP 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 gradient for the shallow groundwater zone during September 2018 ranged from 0.0094 to 0.031 foot per foot (ft/ft).

The depths to groundwater in the nine intermediate monitoring wells, which monitor the intermediate groundwater unit, ranged from 26.32 to 29.09 feet below MP. As shown on Figure 2, the intermediate groundwater flow direction is generally linear towards the southeast, with a groundwater gradient of approximately 0.002 ft/ft.

Analytical Results

Figure 3 summarizes the monitoring well locations where constituents detected in samples collected during the September 2018 sampling event exceeded at least one Class I or Class II groundwater remediation objective (RO) standard. The shallow groundwater unit is classified as Class II groundwater, and the lower intermediate unit is classified as Class I groundwater. Three of the 28 monitoring wells sampled in the third quarter 2018 had at least one MGP-related constituent exceeding a respective Class I or II standard. Benzene concentrations reported in two onsite shallow wells, UMW-124 and UMW-126, exceeded the Class II groundwater standard. The benzene, ethylbenzene and naphthalene concentrations reported in the sample collected from the offsite intermediate well UMW-302 exceeded the Class I groundwater ingestion RO. These constituent concentrations reported in UMW-302 also exceed the groundwater ROs for indoor inhalation at residential sites. Analytical results for the groundwater samples collected from the other 17 shallow and eight intermediate-depth monitoring wells located within or surrounding the FMGP Site were all below the applicable standards during the September 2018 event.

Total metals and cyanide concentrations detected in groundwater samples did not exceed their respective groundwater standards in any of the onsite or offsite monitoring wells. Cyanide was detected in monitoring well UMW-107R in previous sampling events at concentrations exceeding

the Class II groundwater standard of 0.6 mg/L. However, the 0.433 mg/L concentration of cyanide detected in the sample collected during the September 2018 event is below the standard. The concentrations detected in samples submitted for analysis of the 8 RCRA metals were all below their respective groundwater standard.

Monitoring well locations where concentrations of organic constituents (BTEX or PAHs) from the September 2018 sample event exceeded their respective standard included shallow monitoring wells UMW-124 and UMW-126, and intermediate well UMW-302. Benzene concentrations of 0.0907 and 0.108 mg/L were reported in shallow onsite monitoring wells UMW-124 and UMW-126, respectively, above the Class II groundwater standard of 0.025 mg/L. Concentrations of other organic constituents detected in other shallow monitoring wells located on-site or off-site were below their respective Class II standard.

The only other monitoring well with organic constituents exceeding groundwater standards is intermediate well UMW-302. Benzene, ethylbenzene and naphthalene were detected at concentrations of 0.409, 0.751 and 3.53 mg/L, respectively, exceeding the Class I groundwater ingestion ROs of 0.005, 0.700, and 0.14 mg/L. These constituent concentrations also exceed the groundwater (vapor) inhalation ROs for indoor air at residential sites. This intermediate well is screened from 35 to 45 feet below land surface and separated from the overlying shallow water source in the co-located shallow well UMW-121 by over 20 vertical feet of silty clay. Of the nine intermediate monitoring wells screened in the lower groundwater source, this is the only intermediate well location with a constituent concentration exceeding a Class I groundwater ingestion or inhalation standard.

CONCLUSIONS

Based on the data collected during the September 2018 sampling event, the only shallow monitoring wells where concentrations in samples exceeded the Class II groundwater ingestion standards were on-site monitoring wells UMW-124 and UMW-126. Benzene was the only constituent detected in these samples that exceeded a groundwater RO standard. No other Class II groundwater standards for organic (BTEX and PAHs) or inorganic (cyanide or metals) constituents were exceeded in samples collected from the other monitoring wells screened in the shallow groundwater unit.

The deeper groundwater unit, as represented by the 300-series wells screened in the intermediate groundwater unit, had no confirmed exceedances of a groundwater standard except at well UMW-302, located south of the Site. Benzene, ethylbenzene, and naphthalene were detected at concentrations exceeding the Class I groundwater ingestion, and groundwater inhalation for indoor air ROs. As stated previously, the lower groundwater unit is separated from the shallow groundwater unit by the 20-foot thick silty clay unit present at an approximate depth between 20 and 40 feet below land surface. The isolation of the lower groundwater unit from the shallow groundwater unit is evident in the difference in groundwater elevations between the 100 and 300-series monitoring wells (refer to Table 1, and Figures 1 and 2). Furthermore, no detections of constituents or exceedances of similar standards were reported in the co-located shallow monitoring well (UMW-121) that is adjacent to UMW-302.

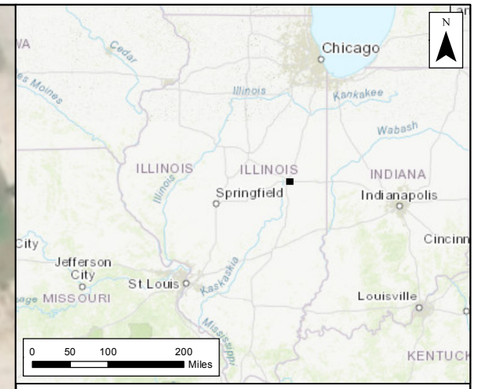
The analytical results from sampling events completed during the two-year period between September 2016 and September 2018 are shown in Table 3. Graphical representations of benzene and naphthalene concentrations in monitoring wells UMW-107(R), UMW-124, UMW-126 and UMW-302 are shown on Figures 4A through 4D for reference.

The next quarterly groundwater sampling event was completed in December 2018. Should you have any questions about the material presented in this summary letter, please contact us at your convenience.

Sincerely,

Dave Palmer, PG, PMP, EVMP
Manager, Remediation Projects
Ameren Services

Figures



Legend

- Shallow Monitoring Well with September 2018 Groundwater Elevation
- September 2018 Potentiometric Surface Contour
- Site Boundary

Notes:
All water levels in feet above mean sea level.

N

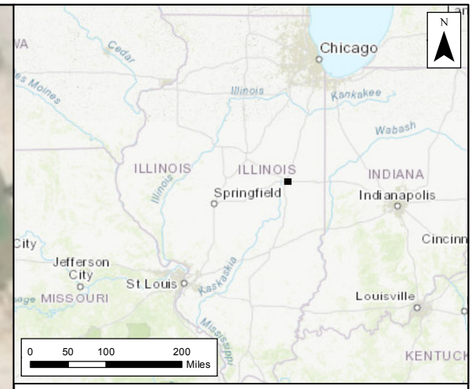
0 100 200
Feet

Figure 1
Shallow Groundwater Elevation Contours
September 2018
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: Mike Appel

FILE: M:\Projects\0466251 Amren Champaign\Maps\Sept GWM\Figure 1 Sept 18 Water Levels.mxd REVISED: 01/16/2019 SCALE: 1:1,200 when printed at 11x17



Legend

- Intermediate Monitoring Well with September 2018 Groundwater Elevation
- September 2018 Potentiometric Surface Contour
- Site Boundary

Notes:
All water levels in feet above mean sea level.

N

0 100 200
Feet

Figure 2
Intermediate Groundwater Elevation Contours
September 2018
Ameren Services
Champaign, Illinois

Environmental Resources Management
www.erm.com

DRAWN BY: GIS

FILE: M:\Projects\0466251 Amren Champaign\Maps\Sept GWM\Figure 3 Sept Exceedences.mxd REVISED: 01/16/2019 SCALE: 1:1,200 when printed at 11x17

E Washington St

E Washington St

N 6Th St

N 5Th St

N 4Th St

E Hill St

E Church St

UMW-300

UMW-120

UMW-109

UMW-119

UMW-118

UMW-102

UMW-108

UMW-125

UMW-304R

UMW-127

UMW-301R

UMW-117

UMW-303

UMW-107R

UMW-116

UMW-126
Benzene: 0.108

UMW-124
Benzene: 0.0869/0.0907

UMW-308

UMW-305

UMW-302
Benzene: 0.420/0.409
Ethylbenzene: 0.775/0.751
Naphthalene: 2.61/3.53

UMW-121

UMW-105

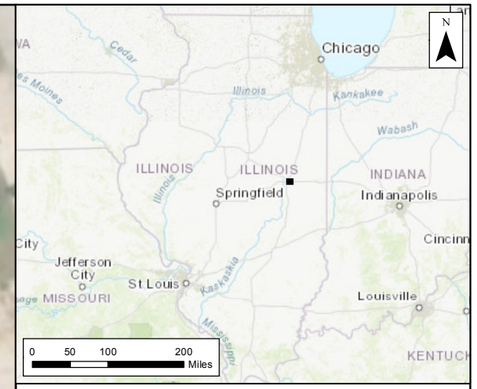
UMW-106R

UMW-122

UMW-123

UMW-306

UMW-307



Legend

- Shallow Monitoring Well with Exceedance
- Intermediate Monitoring Well with Exceedence
- Shallow Monitoring Well with No Exceedances
- Intermediate Monitoring Well with No Exceedences
- Site Boundary

Notes:
All results in milligrams per liter (mg/L).
Only results that exceeded the Class I (Intermediate) or Class II (Shallow or Intermediate) Groundwater standards are listed.
0.62/0.63 - Primary Result/Field Duplicate Result

N

0 100 200
Feet

Figure 3
Class I and II Groundwater Standard Exceedances
September 2018
Ameren Services
Champaign, Illinois

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

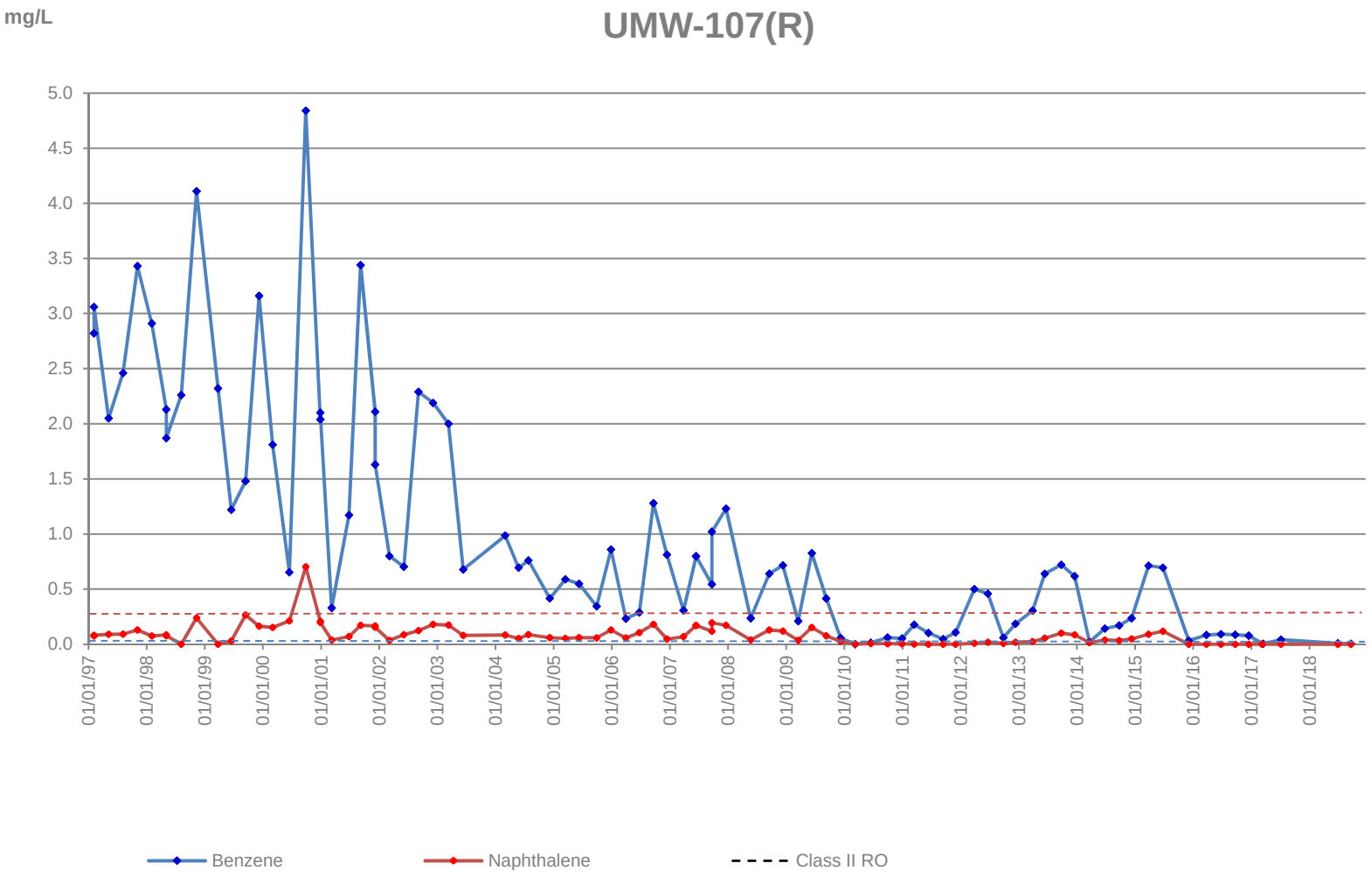


FIGURE 4B
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater Standards

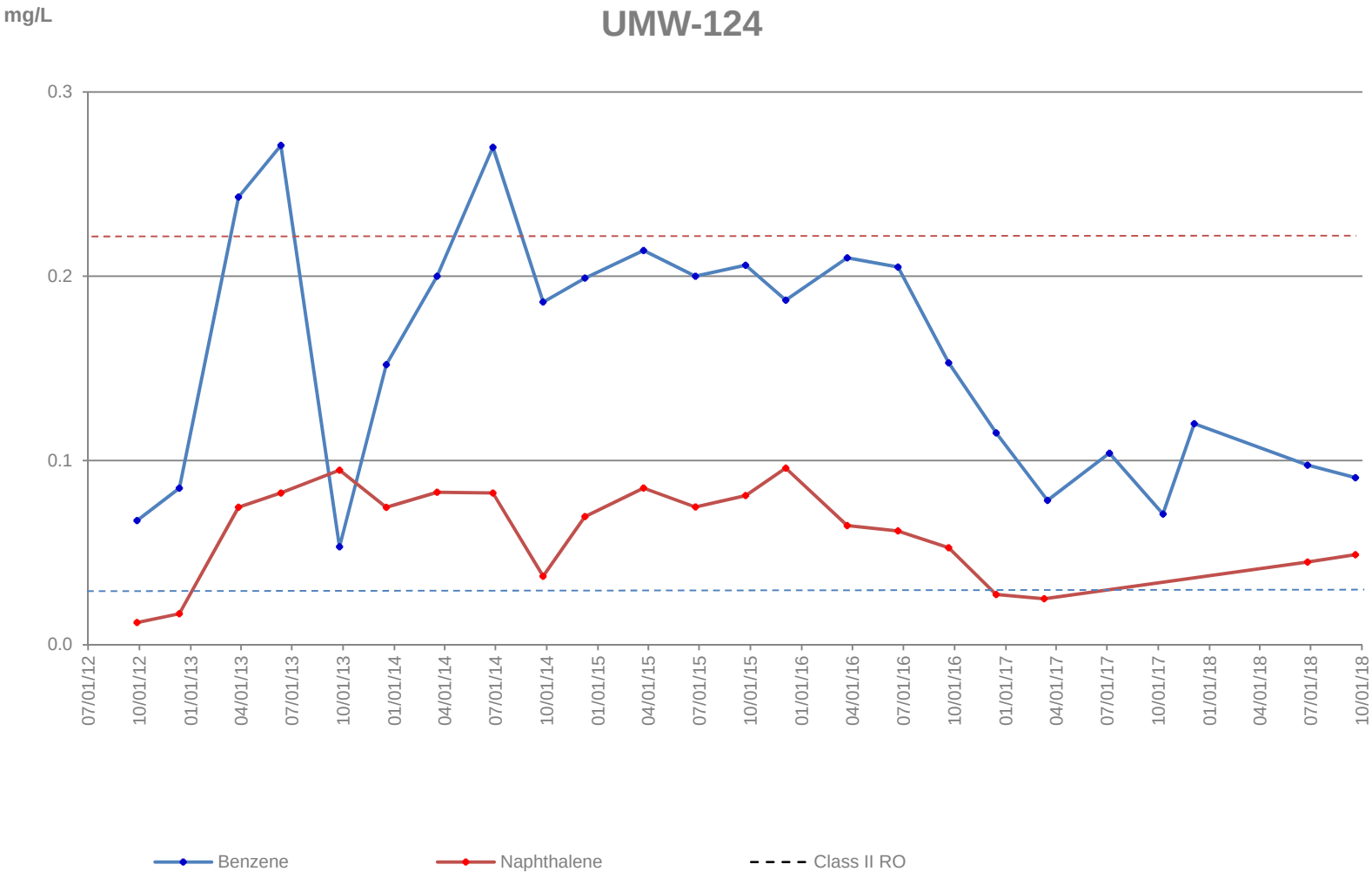


FIGURE 4C
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater Standards

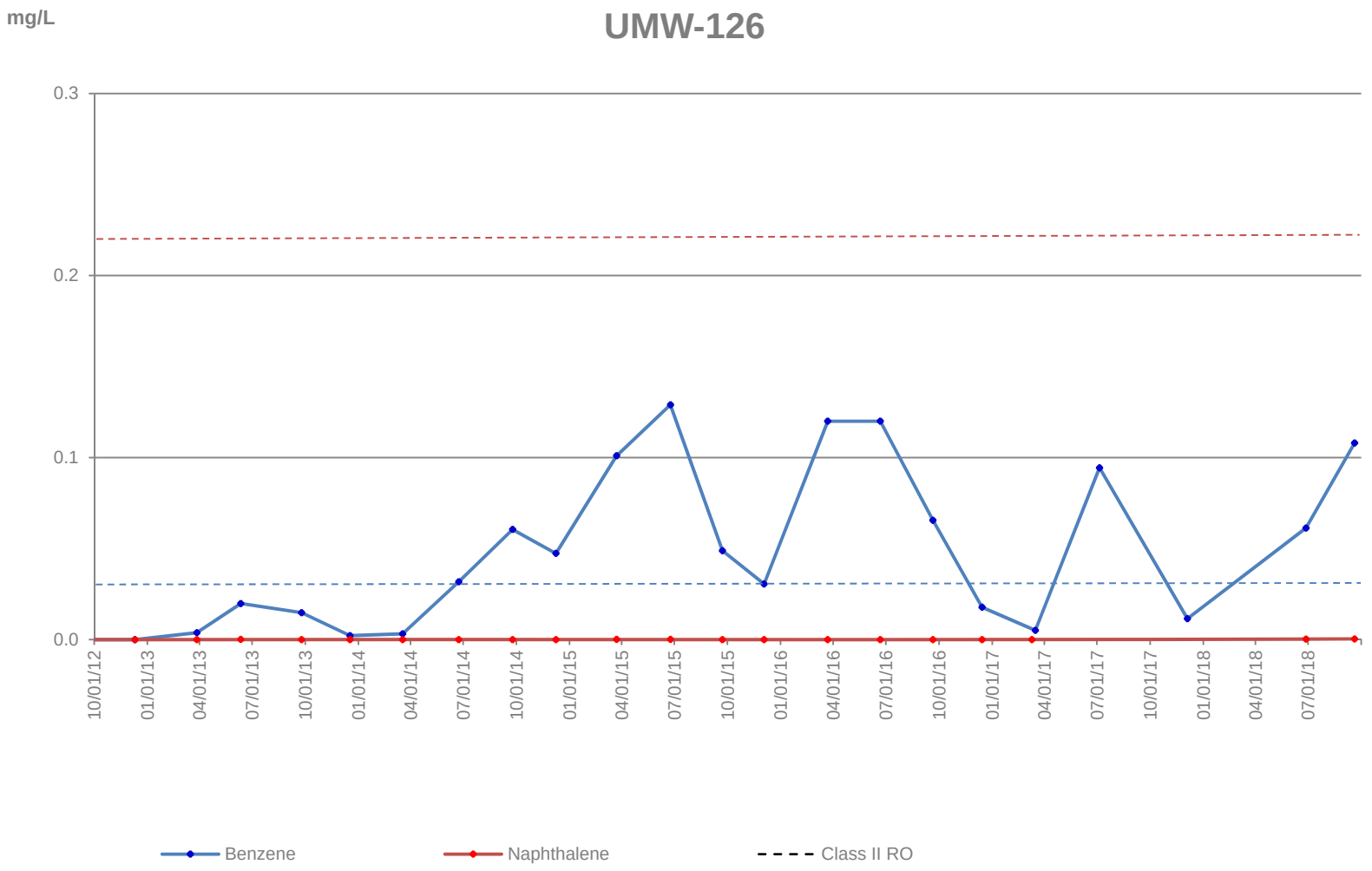
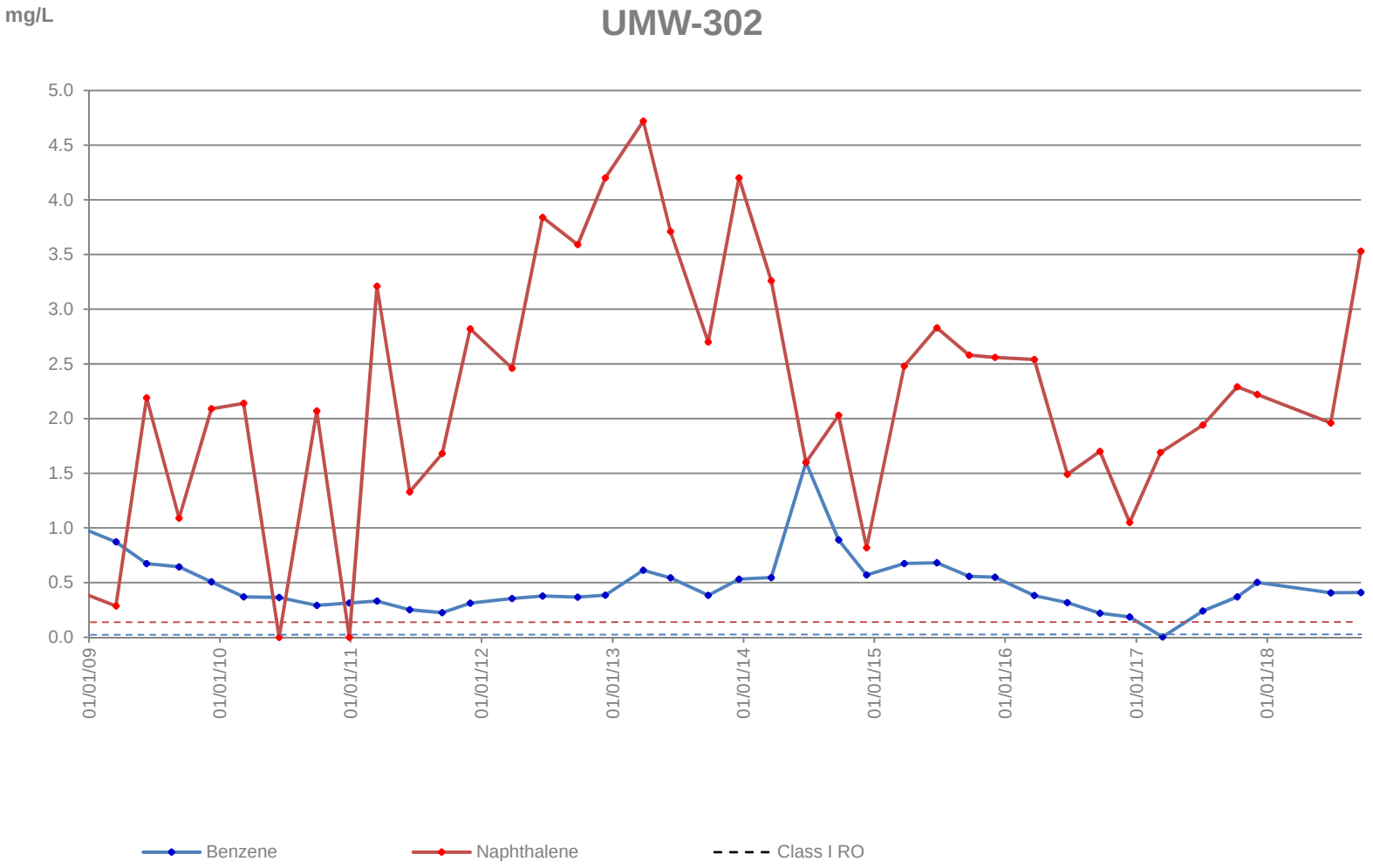


FIGURE 4D
Benzene and Naphthalene Concentration Trends in Wells Exceeding Groundwater Standards



Tables

TABLE 1

Groundwater Measurement Data
September 2018
Ameren - Champaign FMGP Site
Champaign, Illinois

Monitoring Well Number	Total Depth (feet)	Monitored Interval feet BLS)	Elevation (feet NGVD)		September 2018		
			Measuring Point (MP)	Land Surface (LS)	WL Below MP (feet)	Elevation (feet NGVD)	Purge Vol (Liters)
UMW-102	22.00	6.70 - 22.0	737.32	737.70	5.92	731.40	17.0
UMW-105	19.70	9.50 - 19.70	737.33	737.70	7.66	729.67	7.6
UMW-106R	17.00	7.00 - 17.00	737.18	737.43	6.62	730.56	12.3
UMW-107R	19.70	9.50 - 19.70	736.88	737.30	5.49	731.39	7.6
UMW-108	15.00	4.80 - 15.00	736.86	737.10	4.58	732.28	7.6
UMW-109	20.00	10.00 - 20.00	735.11	735.50	5.92	729.19	6.8
UMW-111A	22.80	9.00 - 22.80	736.71	737.00	7.58	729.13	8.5
UMW-116	20.00	10.00 - 20.00	736.23	736.50	5.65	730.58	4.7
UMW-117	15.00	5.00 - 15.00	737.53	737.81	6.50	731.03	7.2
UMW-118	15.00	5.00 - 15.00	736.20	736.43	6.91	729.29	6.8
UMW-119	15.00	5.00 - 15.00	736.80	737.09	4.94	731.86	8.7
UMW-120	15.00	5.00 - 15.00	737.02	737.53	5.44	731.58	26.5
UMW-121	15.00	5.00 - 15.00	738.46	738.80	7.32	731.14	8.7
UMW-122	19.75	5.00 - 15.00	739.15	739.44	12.95	726.20	2.6
UMW-123	15.89	5.89 - 15.89	737.24	737.53	7.14	730.10	3.8
UMW-124 *	15.27	4.97 - 15.02	737.10	737.28	3.35	733.75	9.5
UMW-125 *	15.33	5.06 - 15.11	737.92	738.05	4.24	733.68	11.4
UMW-126 *	15.40	5.13 - 15.18	736.38	736.55	2.72	733.66	8.5
UMW-127 *	15.38	5.11 - 15.16	735.93	736.14	2.22	733.71	9.5
UMW-300	45.00	35.00 - 45.00	736.57	736.79	26.32	710.25	13.2
UMW-301R *	46.65	36.50 - 46.05	736.11	736.20	26.52	709.59	12.1
UMW-302	45.00	35.00 - 45.00	738.58	738.88	29.09	709.49	11.4
UMW-303	45.00	35.00 - 45.00	737.05	737.38	26.60	710.45	10.4
UMW-304R *	46.16	36.01 - 45.56	736.48	736.72	26.86	709.62	15.1
UMW-305	45.00	35.00 - 45.00	737.51	737.74	28.00	709.51	11.4
UMW-306	47.00	37.00 - 47.00	736.90	737.18	27.50	709.40	7.6
UMW-307	47.00	37.00 - 47.00	736.92	737.19	27.57	709.35	11.4
UMW-308 *	45.29	35.14 - 44.69	737.21	737.39	27.75	709.46	12.5

Notes:

*	Onsite monitoring well location
R	Replacement monitoring well.
BLS	Below land surface.
NGVD	National Geodetic Vertical Datum

TABLE 2
Summary of Analytical Results
September 2018
Ameren - Champaign FMGP Site
Champaign , Illinois

			Location Group	01 - Shallow Wells (Class 2 Groundwater Ingestion)											
			Location ID	UMW-102	UMW-105	UMW-106R	UMW-107R	UMW-107R	UMW-108	UMW-109	UMW-111A	UMW-116	UMW-117	UMW-118	UMW-119
			Sample Date	09/17/2018	09/19/2018	09/18/2018	09/18/2018	09/18/2018	09/18/2018	09/17/2018	09/17/2018	09/18/2018	09/18/2018	09/18/2018	09/17/2018
			Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES												
01 - BTEX, mg/L															
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	0.0047	0.0045	< 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	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
02 - 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	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(a)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	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(g,h,i)perylene	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
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Fluoranthene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluorene	0.28	1.4	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
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Naphthalene	0.14	0.22	**0.075**	< 0.000200 BU	< 0.000200	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU
Phenanthrene	0.21	1.05	NS	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400
Pyrene	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
03 - General Chemistry, mg/L															
Cyanide CN-	0.2	0.6	NS	< 0.005	0.049	0.022	0.381	0.433	0.032	0.036	< 0.005	< 0.005	< 0.005	0.034	0.033
04 - 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	0.0801	0.0533	0.0860	0.154	0.154	0.174	0.0854	0.0490	0.0816	0.119	0.108	0.102
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	0.0187	< 0.0050	0.151	< 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:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = not analyzed
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
mg/L = milligrams per liter

Qualifiers - Inorganic:
B = Reported value is < CRDL, but >= IDL.
BU = Compound was found in the blank and sample; Indicates the analyte was analyzed for but not detected.
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)

TABLE 2
Summary of Analytical Results
September 2018
Ameren - Champaign FMGP Site
Champaign , Illinois

			Location Group	**01 - Shallow Wells (Class 2 Groundwater Ingestion)**								
			Location ID	**UMW-120**	**UMW-121**	**UMW-122**	**UMW-123**	**UMW-124**	**UMW-124**	**UMW-125**	**UMW-126**	**UMW-127**
			Sample Date	**09/17/2018**	**09/19/2018**	**09/18/2018**	**09/18/2018**	**09/19/2018**	**09/19/2018**	**09/19/2018**	**09/19/2018**	**09/19/2018**
			Sample Type	**N**	**N**	**N**	**N**	**N**	**FD**	**N**	**N**	**N**
Analyte	**CLASS I GROUNDWATER INGESTION**	**CLASS II GROUNDWATER INGESTION**	**GW INHALATION DIFFUSION & ADVECTION RES**									
01 - BTEX, mg/L												
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	< 0.0005	< 0.0005	**0.0907**	**0.0869**	0.0078	**0.108**	0.0029
Ethylbenzene	0.7	1	**0.37**	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0090	0.0083	< 0.0020	< 0.0020	< 0.0020
Toluene	1	2.5	530	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0415	0.0394	< 0.0020	0.0034	< 0.0020
Xylene, Total	10	10	30	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0236	0.0216	< 0.0020	< 0.0020	< 0.0020
02 - PAH, mg/L												
Acenaphthene	0.42	2.1	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000469	0.000522	< 0.000100	< 0.000100	0.000238
Acenaphthylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000248	0.000284	< 0.000100	< 0.000100	< 0.000100
Anthracene	2.1	10.5	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
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
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
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
Benzo(g,h,i)perylene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Chrysene	0.0015	0.0075	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Fluoranthene	0.28	1.4	NS	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200	< 0.000200
Fluorene	0.28	1.4	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000142	0.000171	< 0.000100	< 0.000100	0.000170
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
Naphthalene	0.14	0.22	**0.075**	< 0.000200 BU	< 0.000200	< 0.000200 BU	< 0.000200 BU	0.0489	0.0503	< 0.00102	< 0.000385	< 0.00220
Phenanthrene	0.21	1.05	NS	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	0.000451
Pyrene	0.21	1.05	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100
03 - General Chemistry, mg/L												
Cyanide CN-	0.2	0.6	NS	< 0.005	0.138	0.027	< 0.005	0.010	0.010	0.048	< 0.005	< 0.005
04 - 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
Barium	2	2	NS	0.0439	0.147	0.0285	0.0256	0.0290	0.0313	0.0239	0.0220	0.177
Cadmium	0.005	0.05	NS	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	0.0022	< 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
Lead	0.0075	0.1	NS	< 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
Selenium	0.05	0.05	NS	< 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

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
The laboratory reporting detection limit is shown.
Empty cells = not analyzed
N = Normal Environmental Sample
FD = Field Duplicate Sample
EB = Equipment Blank Sample
TB = Trip Blank Sample
NS = No Standard
mg/L = milligrams per liter

Qualifiers - Inorganic:
B = Reported value is < CRDL, but >= IDL.
BU = Compound was found in the blank and sample; Indicates the analyte was analyzed for but not detected.
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)

TABLE 2
Summary of Analytical Results
September 2018
Ameren - Champaign FMGP Site
Champaign , Illinois

			Location Group	02 - Intermediate Wells (Class 1 Groundwater Ingestion)										03 - Field Quality Control	
			Location ID	UMW-300	UMW-301R	UMW-302	UMW-302	UMW-303	UMW-304R	UMW-305	UMW-306	UMW-307	UMW-308	Equipment Blank	Trip Blank
			Sample Date	09/17/2018	09/19/2018	09/19/2018	09/19/2018	09/18/2018	09/19/2018	09/18/2018	09/18/2018	09/18/2018	09/19/2018	09/19/2018	09/20/2018
			Sample Type	N	N	N	FD	N	N	N	N	N	N	EB	TB
Analyte	CLASS I GROUNDWATER INGESTION	CLASS II GROUNDWATER INGESTION	GW INHALATION DIFFUSION & ADVECTION RES												
01 - BTEX, mg/L															
Benzene	0.005	0.025	**0.11**	< 0.0005	< 0.0005	**0.409**	**0.42**	< 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	**0.751**	**0.775**	< 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	< 0.0200	< 0.0200	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
Xylene, Total	10	10	30	< 0.0020	< 0.0020	0.198	0.203	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020	< 0.0020
02 - PAH, mg/L															
Acenaphthene	0.42	2.1	NS	< 0.000100	0.00274	0.000456	0.000417	< 0.000100	0.000539	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Acenaphthylene	0.21	1.05	NS	< 0.000100	0.00337	0.000652	0.000569	< 0.000100	0.00127	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Anthracene	2.1	10.5	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	0.000134	
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	
Benzo(a)pyrene	0.0002	0.002	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 SU	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Benzo(b)fluoranthene	0.00018	0.0009	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 SU	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Benzo(g,h,i)perylene	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	
Benzo(k)fluoranthene	0.00017	0.00085	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
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	
Dibenzo(a,h)anthracene	0.0003	0.0015	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Fluoranthene	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	
Fluorene	0.28	1.4	NS	< 0.000100	0.000142	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Indeno(1,2,3-cd)pyrene	0.00043	0.00215	NS	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100	< 0.000100 SU	< 0.000100	< 0.000100	< 0.000100	< 0.000100	
Naphthalene	0.14	0.22	**0.075**	< 0.000200 BU	< 0.000238	**3.53**	**2.61**	< 0.000200 BU	< 0.000200	< 0.000200 BU	< 0.000200 BU	< 0.000200 BU	< 0.00285	0.00500	
Phenanthrene	0.21	1.05	NS	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	< 0.000400	
Pyrene	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	0.000107	
03 - General Chemistry, mg/L															
Cyanide CN-	0.2	0.6	NS	< 0.005	< 0.005	0.113	0.113	< 0.005	< 0.005	0.012	0.019	0.053	0.018	< 0.005	
04 - 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	
Barium	2	2	NS	0.102	0.0805	0.0583	0.0603	0.0417	0.0787	0.103	0.122	0.132	0.113	0.0035	
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	
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	
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	
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	
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	
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	

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit.
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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
9/20/2016 to 9/19/2018
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylene, total (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h) anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Cyanide, total (mg/L)
UMW-102	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.005
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/4/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-105	9/22/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.038
	12/13/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.049
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.061
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.063
	10/12/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.056
	12/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.049
	6/27/2018	<0.5	4.0	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	16.2	<0.4	<0.1	0.057
	9/19/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.049
UMW-106R	9/20/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.023
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.035
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.028
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.033
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.038
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.044
	6/25/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.017
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.022
UMW-107R	9/21/2016	86.3	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.305
	12/15/2016	77.9	<5	<5	<5	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.15	<0.1	<0.1	0.596
	3/8/2017	4.5	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.71
	7/6/2017	40.7	<5	<5	<5	<0.1	0.11	0.11	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.544
	10/11/2017	3.9	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.363
	12/6/2017	21.9	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.509
	6/27/2018	7.6	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.453
	9/18/2018	4.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.381
UMW-108	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.019
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.032
	3/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.03
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.029
	10/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.03
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.029
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.030
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.4	0.032
UMW-109	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.038
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.044
	3/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.042
	7/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.012
	10/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.036
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.031
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.036
UMW-111A	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-116	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.43	<0.1	<0.1	<0.005
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/25/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	0.206	<0.4	<0.1	<0.005
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-117	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/25/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005

TABLE 3
Analytical Results by Parameter
9/20/2016 to 9/19/2018
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylene, total (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h) anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Cyanide, total (mg/L)
UMW-118	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.042
	12/15/2016	<2	<5	<5	<5	<0.1	0.16	<0.1	0.21	0.35	0.35	0.2	0.11	0.12	<0.1	0.18	<0.1	0.15	<0.1	<0.1	0.76	0.044
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.049
	7/6/2017	<2	<5	<5	<5	0.17	0.37	0.1	0.77	0.93	0.94	0.37	0.36	0.48	0.1	1.04	0.11	0.33	<0.1	0.14	5	0.056
	10/10/2017	<2	<5	<5	<5	<0.1	0.1	<0.1	0.21	0.27	0.27	0.12	0.09	0.09	<0.1	0.19	<0.1	0.1	<0.1	<0.1	0.93	0.056
	12/5/2017	<2	<5	<5	<5	<0.1	0.12	<0.1	0.25	0.34	0.4	<0.1	0.16	0.13	<0.1	0.26	<0.1	<0.1	<0.1	<0.1	1.15	0.059
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.031
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.034
UMW-119	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.046
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.041
	3/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.048
	7/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.041
	10/11/2017	<2	<5	<5	<5	0.29	0.41	0.11	0.14	0.12	0.11	<0.1	<0.1	0.15	<0.1	0.31	<0.1	<0.1	<0.1	0.16	0.44	0.033
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.039
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.036
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.033
UMW-120	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.007
	12/4/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-121	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.186
	12/13/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.164
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.168
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.148
	10/12/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.166
	12/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.177
	6/27/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.141
	9/19/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.138
UMW-122	6/27/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.031
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.027
UMW-123	9/20/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-124	9/20/2016	153	15	59.2	37	0.82	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.24	<0.1	52.7	0.24	<0.1	0.019
	12/14/2016	115	11	37	28	0.39	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	27.3	0.12	<0.1	0.013
	3/10/2017	78.4	3.1	22.5	13.4	0.49	0.27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17	<0.1	25	0.11	<0.1	0.005
	7/7/2017	104	10.6	44.8	28.2	0.67	0.41	<0.1	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.31	<0.1	47.9	0.28	<0.1	0.01
	10/13/2017	71.3	6.5	27.6	17.1	0.38	0.19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17	<0.1	30.4	<0.1	<0.1	0.008
	12/7/2017	120	11	55.8	32	0.52	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.17	<0.1	45.4	0.21	<0.1	0.011
	6/25/2018	97.5	9.1	46.9	24.0	0.486	0.272	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.179	<0.1	44.9	<0.4	<0.1	0.010
	9/19/2018	86.9	9	41.5	23.6	0.469	0.248	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.142	<0.1	48.9	<0.4	<0.1	0.010
UMW-125	9/20/2016	6.8	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.23	<0.1	<0.1	0.035
	12/13/2016	20.4	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.58	<0.1	<0.1	0.062
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.64	<0.1	<0.1	0.029
	7/6/2017	22.6	<5	<5	<5	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1.3	0.11	<0.1	0.029
	10/12/2017	43.2	1.3	2	1.4	0.13	<0.1	<0.1	<0.1	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	3.19	0.31	<0.1	0.028
	12/8/2017	5.1	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.79	<0.1	<0.1	0.029
	6/27/2018	9.1	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	0.748	<0.4	<0.1	0.038
	9/19/2018	7.8	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<1.02	<0.4	<0.1	0.048
UMW-126	9/20/2016	65.6	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/14/2016	17.8	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/10/2017	5.1	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/7/2017	94.4	<5	<5	<5	<0.1	<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.004
	10/12/2017	5.2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/7/2007	11.5	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.29	<0.1	<0.1	0.005
	6/27/2018	61.3	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/19/2018	108.0	<2	3.4	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.385	<0.4	<0.1	<0.005
UMW-127	9/20/2016	3.7	<5	1	<5	0.22	1.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.15	<0.1	2.11	0.33	<0.1	<0.005
	12/14/2016	3.3	<5	<5	<5	0.22	0.81	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	1.72	0.27	<0.1	<0.005
	3/9/2017	3	<5	<5	<5	0.21	1.55	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.16	<0.1	1.64	0.2	<0.1	<0.005
	7/7/2017	3.6	<5	<5	<5	0.33	3.19	<0.1	0.07	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.27	<0.1	2.48	0.47	<0.1	<0.005
	10/12/2017	4.9	<5	<5	<5	0.14	2.47	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.16	<0.1	1.84	0.4	<0.1	<0.005
	12/7/2017	3	<5	1	<5	0.17	0.105	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.15	<0.1	2.64	0.33	<0.1	<0.005
	6/27/2018	3.1	<2	<2	<2	0.22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.176	<0.1	1.92	0.449	<0.1	<0.005
	9/19/2018	2.9	<2	<2	<2	0.238	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.17	<0.1	<2.20	0.451	<0.1	<0.005

TABLE 3
Analytical Results by Parameter
9/20/2016 to 9/19/2018
Ameren - Champaign FMGP Site
Champaign, Illinois

Well ID	Date Sampled	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylene, total (µg/L)	Acenaphthene (µg/L)	Acenaphthylene (µg/L)	Anthracene (µg/L)	Benzo(a) anthracene (µg/L)	Benzo(a) pyrene (µg/L)	Benzo(b) fluoranthene (µg/L)	Benzo(g,h,i) perylene (µg/L)	Benzo(k) fluoranthene (µg/L)	Chrysene (µg/L)	Dibenzo(a,h) anthracene (µg/L)	Fluoranthene (µg/L)	Fluorene (µg/L)	Indeno(1,2,3-cd) pyrene (µg/L)	Naphthalene (µg/L)	Phenanthrene (µg/L)	Pyrene (µg/L)	Cyanide, total (mg/L)
UMW-300	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	<0.1	<0.005
	10/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/17/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-301R	9/20/2016	<2	<5	<5	<5	2.61	2.97	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.005
	12/14/2016	<2	<5	<5	<5	2.16	2.46	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/10/2017	<2	<5	<5	<5	2.74	2.96	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	<0.005
	7/7/2017	<2	<5	<5	<5	3.48	4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.16	<0.1	<0.1	<0.1	<0.1	<0.005
	10/12/2017	<2	<5	<5	<5	2.41	2.77	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.005
	12/7/2017	<2	<5	<5	<5	2.63	3.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.11	<0.1	<0.1	<0.1	<0.1	<0.005
	6/27/2018	<0.5	<2	<2	<2	4.11	4.88	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.241	<0.1	0.294	<0.4	<0.1	<0.005
	9/19/2018	<0.5	<2	<2	<2	2.74	3.37	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	0.142	<0.1	0.238	<0.4	<0.1	<0.005
UMW-302	9/21/2016	220	604	<50	105	0.12	0.24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,700	<0.1	<0.1	0.117
	12/13/2016	186	603	<50.0	116	0.1	0.21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,050	<0.1	<0.1	0.202
	3/9/2017	<2	1.3	<5	<5	0.28	0.42	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,690	<0.1	<0.1	0.189
	7/6/2017	238	582	<50	128	0.3	0.53	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	1,940	<0.1	<0.1	0.119
	10/12/2017	348	628	<50	133	0.11	0.51	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2,290	<0.1	<0.1	0.117
	12/7/2017	502	771	<50	182	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2,050	<0.1	<0.1	0.067
	6/27/2018	407	703	<20.0	175	0.349	0.474	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	1,960	<0.4	<0.1	0.091
	9/19/2018	409	751	<20.0	198	0.456	0.652	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	3,530	<0.4	<0.1	0.113
UMW-303	12/15/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	3/8/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	12/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/25/2018	<0.5	<2	<2	<2	0.111	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-304R	9/20/2016	<2	<5	<5	<5	0.64	1.42	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.004
	12/13/2016	<2	<5	<5	<5	0.59	1.16	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.21	<0.1	<0.1	<0.005
	3/9/2017	<2	<5	<5	<5	0.91	1.82	<0.1	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.14	0.11	<0.1	<0.005
	7/7/2017	<2	<5	<5	<5	0.82	1.87	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	10/12/2017	<2	<5	<5	<5	0.71	1.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.007
	12/8/2017	<2	<5	<5	<5	0.67	1.49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.64	<0.1	<0.1	<0.005
	6/27/2018	<0.5	<2	<2	<2	0.486	1.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	5.76	<0.4	<0.1	<0.005
	9/19/2018	<0.5	<2	<2	<2	0.539	1.27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	<0.005
UMW-305	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	<0.1	<0.1	0.011
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.01
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.007
	7/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.008
	10/12/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.43	<0.1	<0.1	0.009
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.43	<0.1	<0.1	0.012
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	0.366	<0.4	<0.1	0.014
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.012
UMW-306	9/21/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.043
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.038
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.036
	7/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.036
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.033
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.014
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.018
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.019
UMW-307	9/20/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.006
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.018
	3/9/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.021
	7/5/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.028
	10/11/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.027
	12/6/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.043
	6/26/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.048
	9/18/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.053
UMW-308	9/20/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.044
	12/14/2016	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.022
	3/10/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.025
	7/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.021
	10/13/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.02
	12/7/2017	<2	<5	<5	<5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.005
	6/27/2018	<0.5	<2	<2	<2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.4	<0.1	0.022
	9/19/2018	<0.5	<2	<2	<2	<0.1	<0.1	0.134	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	<0.1	<0.1	5	<0.4	0.107	<0.005

Attachment 1

Laboratory Analytical Report

ERM

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Memo

To	Lacy Smith
From	Elsie King
Date	27 November 2018
Reference	0466251
Subject	Data Review of Ameren Champaign Groundwater Samples September 2018: Teklab, Inc. Data Package 18091324

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

ERM reviewed data from 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, field blanks, 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 compounds 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 compounds similar to target compounds 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 compounds.
- **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-107R-WG-20180918, UMW-124-WG-20180919, UMW-125-WG-20180919, UMW-126-WG-20180919, UMW-127-WG-20180919, and UMW-302-WG-20180919). The Stage 4 review included all of the QA/QC project and/or method-prescribed criteria for level II 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 compounds similar to target compounds 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 (LCS) %R, matrix spike/matrix spike duplicate (MS/MSD) %R, and all of the detected sample concentrations were recalculated.

CHAIN-OF-CUSTODY DISCREPANCIES

The lab noted that a collection date and time were not listed for the trip blank. The lab reported the collection date and time for TB-01-WQ-201809 as of 9/20/2018 at 15:22 to match the sample receipt date and time. The project samples results have been correctly reported; no qualifications were necessary.

HOLDING TIME AND PRESERVATION EVALUATION

The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The sample shipments were received at the laboratory within the method-prescribed temperature preservation requirements of less than 6°C.

The pH was less than 12 for cyanide analysis in 22 samples and the laboratory adjusted the pH with additional sodium hydroxide on upon receipt. No qualifications were added to the cyanide results since the samples were preserved properly upon receipt. The samples with incorrect preservation are presented in Table 1.

CALIBRATION EVALUATION

Two types of calibration data were reviewed. These were initial calibration (ICAL) and continuing calibration verification (CCV/ICV). The laboratory calculated the relative standard deviation for each of the target analytes included in the ICAL. 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 difference (%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 CCV/ICV results were within acceptable limits for the Level IV samples, with several exceptions. The %D for CCVs exceeded acceptance criteria for one analyte, indeno(1,2,3-cd)pyrene. The associated non-detect results were qualified as estimated (UJ). The affected samples are presented in Table 2.

BLANK EVALUATION

The method, equipment rinsate, and trip blank sample results were nondetected for each of the target analytes with limited exceptions. A method blank had a naphthalene detection, however, the associated sample results were non-detect. No data were qualified based upon method blank

detections. Anthracene, naphthalene and pyrene were detected in the equipment blank. Associated sample results reported below this concentration were qualified as non-detect (U). The blank detections and associated qualifiers are listed in Table 3.

BLANK SPIKE EVALUATION

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

MATRIX SPIKE EVALUATION

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance for project samples, with limited exceptions. Recoveries were below the control limits for the MS/MSD the following compounds in sample UMW-305-WG-20180918: benzo(a)pyrene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene. The associated non-detect results were qualified as estimated (UJ). The affected sample results are presented in Table 4.

SURROGATE SPIKE EVALUATION

The surrogate recoveries were within acceptable limits with limited exceptions. No data are qualified if the dilution factor is greater than 10. No data were qualified. The outliers are presented in Table 5.

INTERNAL STANDARD EVALUATION

The internal standard areas and recoveries were within acceptable limits.

FIELD DUPLICATE EVALUATION

Three samples were submitted in duplicate. ERM calculated the RPD between detected results. The USEPA has not established control criteria for field duplicate samples; therefore, sample data are not qualified on the basis of field duplicate imprecision. The RPDs for detected results are presented in Table 6.

OVERALL ASSESSMENT

All 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 2
Calibration Verification Standards Outside of Acceptable Limits
September 2018 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Calibration Standard	Associated Sample ID	Compound	Calibration Outlier	Limit	Reported Concentration	Units	ERM Qualifier
18091324	9/21/18 CCV BNA180911B	UMW-102-WG-20180917	Indeno(1,2,3-cd)pyrene	41.6 %D	<40 %D	--	--	--
		UMW-106R-WG-20180918				ND	mg/L	UJ
		UMW-107R-WG-20180918				ND	mg/L	UJ
		UMW-108-WG-20180918				ND	mg/L	UJ
		UMW-109-WG-20180917				ND	mg/L	UJ
		UMW-111A-WG-20180917				ND	mg/L	UJ
		UMW-305-WG-20180918				ND	mg/L	UJ
	9/22/18 CCV BNA180911B	UMW-116-WG-20180918	Indeno(1,2,3-cd)pyrene	53.89 %D	<40%D	--	--	--
		UMW-117-WG-20180918				ND	mg/L	UJ
		UMW-118-WG-20180918				ND	mg/L	UJ
		UMW-119-WG-20180917				ND	mg/L	UJ
		UMW-120-WG-20180917				ND	mg/L	UJ
		UMW-122-WG-20180918				ND	mg/L	UJ
		UMW-123-WG-20180918				ND	mg/L	UJ
		UMW-300-WG-20180917				ND	mg/L	UJ
		UMW-303-WG-20180918				ND	mg/L	UJ
		UMW-306-WG-20180918				ND	mg/L	UJ
		UMW-307-WG-20180918				ND	mg/L	UJ
		DUP 001-WG-20180918				ND	mg/L	UJ

Table 2
Calibration Verification Standards Outside of Acceptable Limits
September 2018 Groundwater Monitoring
Ameren
Champaign, Illinois

Lab Package	Calibration Standard	Associated Sample ID	Compound	Calibration Outlier	Limit	Reported Concentration	Units	ERM Qualifier
18091324	9/25/18 CCV BNA180911B	UMW-105-WG-20180919	Indeno(1,2,3-cd)pyrene	46.9 %D	<40 %D	--	--	--
		UMW-121-WG-20180919				ND	mg/L	UJ
		UMW-124-WG-20180919				ND	mg/L	UJ
		UMW-125-WG-20180919				ND	mg/L	UJ
		UMW-126-WG-20180919				ND	mg/L	UJ
		UMW-127-WG-20180919				ND	mg/L	UJ
		UMW-304R-WG-20180919				ND	mg/L	UJ
		UMW-301R-WG-20180919				ND	mg/L	UJ
		UMW-302-WG-20180919				ND	mg/L	UJ
		UMW-308-WG-20180919				ND	mg/L	UJ
		DUP 002-WG-20180919				ND	mg/L	UJ
		DUP 003-WG-20180919				ND	mg/L	UJ
		EB-01-WQ-20180919				ND	mg/L	UJ

Lab report reviewed: 18091324

Key:
CCV = continuing calibration verification
%D = percent deviation
UJ = Nondetected, estimated report limit
mg/L = Milligrams per liter

Level 4 Data Package

Work Order 18091324

ERM-ST. LOUIS

Project ID: Champaign GW

Data Package Review Form

Workorder#: 18091324 Client: ERM-ST. LOUIS
Project: Champaign GW

Analysis Reviewed	Method
Total Cyanide	SW-846 9012A
Metals by ICP	SW-846 6010B
Mercury	SW-846 7470A
SVOCs by GC/MS	SW-846 8270C
VOCs by GC/MS	SW-846 8260B

All QC exceptions are noted in the sample narrative in the analytical report. Any additional exceptions are noted below.

No additional exceptions found

I have reviewed this data package and have found it to be complete, except as stated in the comments section above.

Quality Officer: Stacy Mathis
Date: 10/17/18

September 26, 2018

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

RE: Champaign GW **WorkOrder:** 18091324

Dear Greg Moore:

TEKLAB, INC received 33 samples on 9/20/2018 3:22:00 PM for the analysis presented in the following report.

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

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

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

Sincerely,

Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Report Contents

Client: ERM
Client Project: Champaign GW

Work Order: 18091324
Report Date: 26-Sep-18

This reporting package includes the following:

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Abbr Definition

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

Qualifiers

# -	Unknown hydrocarbon	B -	Analyte detected in associated Method Blank
C -	RL shown is a Client Requested Quantitation Limit	E -	Value above quantitation range
H -	Holding times exceeded	I -	Associated internal standard was outside method criteria
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: 18091324
Report Date: 26-Sep-18

Cooler Receipt Temp: 1.42 °C

Locations

Collinsville

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

Springfield

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

Kansas City

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

Collinsville Air

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

Chicago

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

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2019	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2019	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Oklahoma	ODEQ	9978		8/31/2019	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-001 **Client Sample ID:** UMW-102-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 17:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/25/2018 12:13	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:00	145952
Barium	NELAP	0.0025		**0.0801**	mg/L	1	09/21/2018 15:00	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:00	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:00	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:00	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:00	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:00	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:13	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 17:09	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 17:09	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 17:09	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:09	145965
Surr: 2-Fluorobiphenyl	*	10-164		**66.0**	%REC	1	09/21/2018 17:09	145965
Surr: Nitrobenzene-d5	*	10.3-142		**71.0**	%REC	1	09/21/2018 17:09	145965
Surr: p-Terphenyl-d14	*	47.1-148		**85.6**	%REC	1	09/21/2018 17:09	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 10:19	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:19	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:19	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:19	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**99.9**	%REC	1	09/21/2018 10:19	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**103.9**	%REC	1	09/21/2018 10:19	146010
Surr: Dibromofluoromethane	*	84.9-113		**98.8**	%REC	1	09/21/2018 10:19	146010
Surr: Toluene-d8	*	86.7-112		**97.4**	%REC	1	09/21/2018 10:19	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-002 **Client Sample ID:** UMW-105-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.049**	mg/L	1	09/25/2018 12:18	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:03	145952
Barium	NELAP	0.0025		**0.0533**	mg/L	1	09/21/2018 15:03	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:03	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:03	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:03	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:03	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:03	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:15	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 16:30	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 16:30	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 16:30	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 16:30	146012
Surr: 2-Fluorobiphenyl	*	10-164		**74.8**	%REC	1	09/24/2018 16:30	146012
Surr: Nitrobenzene-d5	*	10.3-142		**75.3**	%REC	1	09/24/2018 16:30	146012
Surr: p-Terphenyl-d14	*	47.1-148		**101.8**	%REC	1	09/24/2018 16:30	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 10:46	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:46	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:46	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:46	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**99.8**	%REC	1	09/21/2018 10:46	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.4**	%REC	1	09/21/2018 10:46	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.2**	%REC	1	09/21/2018 10:46	146010
Surr: Toluene-d8	*	86.7-112		**97.3**	%REC	1	09/21/2018 10:46	146010

Client: ERM
Work Order: 18091324
Client Project: Champaign GW
Report Date: 26-Sep-18
Lab ID: 18091324-003
Client Sample ID: UMW-106R-WG-20180918
Matrix: GROUNDWATER
Collection Date: 09/18/2018 11:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.022**	mg/L	1	09/25/2018 12:27	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:07	145952
Barium	NELAP	0.0025		**0.0860**	mg/L	1	09/21/2018 15:07	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:07	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:07	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:07	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:07	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:07	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:17	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 17:45	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 17:45	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 17:45	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 17:45	145965
Surr: 2-Fluorobiphenyl	*	10-164		**61.4**	%REC	1	09/21/2018 17:45	145965
Surr: Nitrobenzene-d5	*	10.3-142		**70.3**	%REC	1	09/21/2018 17:45	145965
Surr: p-Terphenyl-d14	*	47.1-148		**90.6**	%REC	1	09/21/2018 17:45	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 11:12	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:12	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:12	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:12	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**98.2**	%REC	1	09/21/2018 11:12	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**103.1**	%REC	1	09/21/2018 11:12	146010
Surr: Dibromofluoromethane	*	84.9-113		**98.7**	%REC	1	09/21/2018 11:12	146010
Surr: Toluene-d8	*	86.7-112		**97.7**	%REC	1	09/21/2018 11:12	146010

Client: ERM
Work Order: 18091324
Client Project: Champaign GW
Report Date: 26-Sep-18
Lab ID: 18091324-004
Client Sample ID: UMW-107R-WG-20180918
Matrix: GROUNDWATER
Collection Date: 09/18/2018 16:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.050		**0.381**	mg/L	10	09/25/2018 16:03	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:18	145952
Barium	NELAP	0.0025		**0.154**	mg/L	1	09/21/2018 15:18	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:18	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:18	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:18	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:18	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:18	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:19	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 18:22	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 18:22	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 18:22	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:22	145965
Surr: 2-Fluorobiphenyl	*	10-164		**64.3**	%REC	1	09/21/2018 18:22	145965
Surr: Nitrobenzene-d5	*	10.3-142		**73.8**	%REC	1	09/21/2018 18:22	145965
Surr: p-Terphenyl-d14	*	47.1-148		**94.9**	%REC	1	09/21/2018 18:22	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**4.7**	µg/L	1	09/21/2018 11:39	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:39	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:39	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:39	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**100.8**	%REC	1	09/21/2018 11:39	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.6**	%REC	1	09/21/2018 11:39	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.4**	%REC	1	09/21/2018 11:39	146010
Surr: Toluene-d8	*	86.7-112		**97.5**	%REC	1	09/21/2018 11:39	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-005 **Client Sample ID:** UMW-108-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 9:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.032**	mg/L	1	09/25/2018 14:49	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:33	145952
Barium	NELAP	0.0025		**0.174**	mg/L	1	09/21/2018 15:33	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:33	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:33	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:33	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:33	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:33	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:22	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 18:58	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 18:58	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 18:58	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 18:58	145965
Surr: 2-Fluorobiphenyl	*	10-164		**58.3**	%REC	1	09/21/2018 18:58	145965
Surr: Nitrobenzene-d5	*	10.3-142		**71.0**	%REC	1	09/21/2018 18:58	145965
Surr: p-Terphenyl-d14	*	47.1-148		**95.5**	%REC	1	09/21/2018 18:58	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 12:06	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:06	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:06	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:06	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**102.0**	%REC	1	09/21/2018 12:06	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.2**	%REC	1	09/21/2018 12:06	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.0**	%REC	1	09/21/2018 12:06	146010
Surr: Toluene-d8	*	86.7-112		**97.1**	%REC	1	09/21/2018 12:06	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-006 **Client Sample ID:** UMW-109-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 17:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.036**	mg/L	1	09/25/2018 14:53	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:37	145952
Barium	NELAP	0.0025		**0.0854**	mg/L	1	09/21/2018 15:37	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:37	145952
Chromium	NELAP	0.0050		**0.0187**	mg/L	1	09/21/2018 15:37	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:37	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:37	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:37	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:24	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 19:35	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 19:35	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 19:35	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 19:35	145965
Surr: 2-Fluorobiphenyl	*	10-164		**60.9**	%REC	1	09/21/2018 19:35	145965
Surr: Nitrobenzene-d5	*	10.3-142		**69.7**	%REC	1	09/21/2018 19:35	145965
Surr: p-Terphenyl-d14	*	47.1-148		**91.6**	%REC	1	09/21/2018 19:35	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 12:32	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:32	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:32	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:32	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.6**	%REC	1	09/21/2018 12:32	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.6**	%REC	1	09/21/2018 12:32	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.8**	%REC	1	09/21/2018 12:32	146010
Surr: Toluene-d8	*	86.7-112		**97.3**	%REC	1	09/21/2018 12:32	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-007 **Client Sample ID:** UMW-111A-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 14:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/25/2018 15:20	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:40	145952
Barium	NELAP	0.0025		**0.0490**	mg/L	1	09/21/2018 15:40	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:40	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:40	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:40	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:40	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:40	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:26	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 20:11	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 20:11	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 20:11	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:11	145965
Surr: 2-Fluorobiphenyl	*	10-164		**65.3**	%REC	1	09/21/2018 20:11	145965
Surr: Nitrobenzene-d5	*	10.3-142		**72.8**	%REC	1	09/21/2018 20:11	145965
Surr: p-Terphenyl-d14	*	47.1-148		**94.0**	%REC	1	09/21/2018 20:11	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 13:00	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:00	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:00	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:00	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.5**	%REC	1	09/21/2018 13:00	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.0**	%REC	1	09/21/2018 13:00	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.3**	%REC	1	09/21/2018 13:00	146010
Surr: Toluene-d8	*	86.7-112		**96.6**	%REC	1	09/21/2018 13:00	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-008 **Client Sample ID:** UMW-116-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 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	09/25/2018 15:24	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:44	145952
Barium	NELAP	0.0025		**0.0816**	mg/L	1	09/21/2018 15:44	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:44	145952
Chromium	NELAP	0.0050		**0.151**	mg/L	1	09/21/2018 15:44	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:44	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:44	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:44	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:28	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 10:22	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 10:22	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 10:22	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:22	145965
Surr: 2-Fluorobiphenyl	*	10-164		**69.0**	%REC	1	09/22/2018 10:22	145965
Surr: Nitrobenzene-d5	*	10.3-142		**71.9**	%REC	1	09/22/2018 10:22	145965
Surr: p-Terphenyl-d14	*	47.1-148		**96.0**	%REC	1	09/22/2018 10:22	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 13:26	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:26	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:26	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:26	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.5**	%REC	1	09/21/2018 13:26	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.7**	%REC	1	09/21/2018 13:26	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.6**	%REC	1	09/21/2018 13:26	146010
Surr: Toluene-d8	*	86.7-112		**97.1**	%REC	1	09/21/2018 13:26	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-009 **Client Sample ID:** UMW-117-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 11:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/25/2018 15:28	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:48	145952
Barium	NELAP	0.0025		**0.119**	mg/L	1	09/21/2018 15:48	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:48	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:48	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:48	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:48	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:48	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:31	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 10:58	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 10:58	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 10:58	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 10:58	145965
Surr: 2-Fluorobiphenyl	*	10-164		**61.4**	%REC	1	09/22/2018 10:58	145965
Surr: Nitrobenzene-d5	*	10.3-142		**64.1**	%REC	1	09/22/2018 10:58	145965
Surr: p-Terphenyl-d14	*	47.1-148		**91.7**	%REC	1	09/22/2018 10:58	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 13:53	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:53	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:53	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:53	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.2**	%REC	1	09/21/2018 13:53	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.7**	%REC	1	09/21/2018 13:53	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.9**	%REC	1	09/21/2018 13:53	146010
Surr: Toluene-d8	*	86.7-112		**97.7**	%REC	1	09/21/2018 13:53	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-010 **Client Sample ID:** UMW-118-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.034**	mg/L	1	09/25/2018 15:33	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 15:51	145952
Barium	NELAP	0.0025		**0.108**	mg/L	1	09/21/2018 15:51	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 15:51	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 15:51	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 15:51	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 15:51	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 15:51	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:37	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 11:35	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 11:35	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 11:35	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 11:35	145965
Surr: 2-Fluorobiphenyl	*	10-164		**71.2**	%REC	1	09/22/2018 11:35	145965
Surr: Nitrobenzene-d5	*	10.3-142		**73.3**	%REC	1	09/22/2018 11:35	145965
Surr: p-Terphenyl-d14	*	47.1-148		**93.4**	%REC	1	09/22/2018 11:35	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 14:20	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:20	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:20	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:20	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.8**	%REC	1	09/21/2018 14:20	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.8**	%REC	1	09/21/2018 14:20	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.6**	%REC	1	09/21/2018 14:20	146010
Surr: Toluene-d8	*	86.7-112		**97.2**	%REC	1	09/21/2018 14:20	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-011 **Client Sample ID:** UMW-119-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 15:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.033**	mg/L	1	09/25/2018 16:12	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:02	145952
Barium	NELAP	0.0025		**0.102**	mg/L	1	09/21/2018 16:02	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:02	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:02	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:02	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:02	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:02	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:40	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 12:11	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 12:11	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 12:11	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:11	145965
Surr: 2-Fluorobiphenyl	*	10-164		**64.4**	%REC	1	09/22/2018 12:11	145965
Surr: Nitrobenzene-d5	*	10.3-142		**63.6**	%REC	1	09/22/2018 12:11	145965
Surr: p-Terphenyl-d14	*	47.1-148		**80.5**	%REC	1	09/22/2018 12:11	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 14:46	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:46	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:46	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:46	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**100.8**	%REC	1	09/21/2018 14:46	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.9**	%REC	1	09/21/2018 14:46	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.5**	%REC	1	09/21/2018 14:46	146010
Surr: Toluene-d8	*	86.7-112		**97.6**	%REC	1	09/21/2018 14:46	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-012 **Client Sample ID:** UMW-120-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/25/2018 16:47	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:06	145952
Barium	NELAP	0.0025		**0.0439**	mg/L	1	09/21/2018 16:06	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:06	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:06	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:06	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:06	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:06	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:42	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 12:47	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 12:47	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 12:47	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 12:47	145965
Surr: 2-Fluorobiphenyl	*	10-164		**57.3**	%REC	1	09/22/2018 12:47	145965
Surr: Nitrobenzene-d5	*	10.3-142		**65.9**	%REC	1	09/22/2018 12:47	145965
Surr: p-Terphenyl-d14	*	47.1-148		**81.8**	%REC	1	09/22/2018 12:47	145965
Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 15:13	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:13	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:13	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:13	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.9**	%REC	1	09/21/2018 15:13	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.3**	%REC	1	09/21/2018 15:13	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.0**	%REC	1	09/21/2018 15:13	146010
Surr: Toluene-d8	*	86.7-112		**97.7**	%REC	1	09/21/2018 15:13	146010

Client: ERM
Work Order: 18091324
Client Project: Champaign GW
Report Date: 26-Sep-18
Lab ID: 18091324-013
Client Sample ID: UMW-121-WG-20180919
Matrix: GROUNDWATER
Collection Date: 09/19/2018 13:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.138**	mg/L	5	09/25/2018 16:56	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:21	145952
Barium	NELAP	0.0025		**0.147**	mg/L	1	09/21/2018 16:21	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:21	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:21	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:21	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:21	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:21	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/21/2018 8:44	145939
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 17:06	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 17:06	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 17:06	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:06	146012
Surr: 2-Fluorobiphenyl	*	10-164		**66.7**	%REC	1	09/24/2018 17:06	146012
Surr: Nitrobenzene-d5	*	10.3-142		**72.8**	%REC	1	09/24/2018 17:06	146012
Surr: p-Terphenyl-d14	*	47.1-148		**105.7**	%REC	1	09/24/2018 17:06	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 15:40	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:40	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:40	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:40	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.2**	%REC	1	09/21/2018 15:40	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.9**	%REC	1	09/21/2018 15:40	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.2**	%REC	1	09/21/2018 15:40	146010
Surr: Toluene-d8	*	86.7-112		**96.2**	%REC	1	09/21/2018 15:40	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-014 **Client Sample ID:** UMW-122-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 14:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.027**	mg/L	1	09/25/2018 16:34	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:24	145952
Barium	NELAP	0.0025		**0.0285**	mg/L	1	09/21/2018 16:24	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:24	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:24	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:24	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:24	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:24	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:24	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 13:24	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 13:24	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 13:24	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 13:24	145965
Surr: 2-Fluorobiphenyl	*	10-164		**70.1**	%REC	1	09/22/2018 13:24	145965
Surr: Nitrobenzene-d5	*	10.3-142		**71.8**	%REC	1	09/22/2018 13:24	145965
Surr: p-Terphenyl-d14	*	47.1-148		**91.6**	%REC	1	09/22/2018 13:24	145965
Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 16:06	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:06	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:06	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:06	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.7**	%REC	1	09/21/2018 16:06	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.2**	%REC	1	09/21/2018 16:06	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.6**	%REC	1	09/21/2018 16:06	146010
Surr: Toluene-d8	*	86.7-112		**96.2**	%REC	1	09/21/2018 16:06	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-015 **Client Sample ID:** UMW-123-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 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	09/25/2018 16:43	146037
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:28	145952
Barium	NELAP	0.0025		**0.0256**	mg/L	1	09/21/2018 16:28	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:28	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:28	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:28	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:28	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:28	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:26	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 14:00	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 14:00	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 14:00	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:00	145965
Surr: 2-Fluorobiphenyl	*	10-164		**74.3**	%REC	1	09/22/2018 14:00	145965
Surr: Nitrobenzene-d5	*	10.3-142		**79.4**	%REC	1	09/22/2018 14:00	145965
Surr: p-Terphenyl-d14	*	47.1-148		**87.7**	%REC	1	09/22/2018 14:00	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 16:33	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:33	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:33	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:33	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**100.9**	%REC	1	09/21/2018 16:33	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.9**	%REC	1	09/21/2018 16:33	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.0**	%REC	1	09/21/2018 16:33	146010
Surr: Toluene-d8	*	86.7-112		**97.2**	%REC	1	09/21/2018 16:33	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-016 **Client Sample ID:** UMW-124-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 8:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	09/26/2018 11:54	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:32	145952
Barium	NELAP	0.0025		**0.0290**	mg/L	1	09/21/2018 16:32	145952
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/21/2018 16:32	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:32	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:32	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:32	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:32	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:29	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000469**	mg/L	1	09/24/2018 17:43	146012
Acenaphthylene	NELAP	0.000100		**0.000248**	mg/L	1	09/24/2018 17:43	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 17:43	146012
Fluorene	NELAP	0.000100		**0.000142**	mg/L	1	09/24/2018 17:43	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Naphthalene	NELAP	0.00500		**0.0489**	mg/L	25	09/25/2018 11:47	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 17:43	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 17:43	146012
Surr: 2-Fluorobiphenyl	*	10-164		**58.9**	%REC	1	09/24/2018 17:43	146012
Surr: Nitrobenzene-d5	*	10.3-142		**68.8**	%REC	1	09/24/2018 17:43	146012
Surr: p-Terphenyl-d14	*	47.1-148		**107.2**	%REC	1	09/24/2018 17:43	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**90.7**	µg/L	1	09/21/2018 17:00	146010
Ethylbenzene	NELAP	2.0		**9.0**	µg/L	1	09/21/2018 17:00	146010
Toluene	NELAP	2.0		**41.5**	µg/L	1	09/21/2018 17:00	146010
Xylenes, Total	NELAP	2.0		**23.6**	µg/L	1	09/21/2018 17:00	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**102.7**	%REC	1	09/21/2018 17:00	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.8**	%REC	1	09/21/2018 17:00	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.3**	%REC	1	09/21/2018 17:00	146010
Surr: Toluene-d8	*	86.7-112		**96.2**	%REC	1	09/21/2018 17:00	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-017 **Client Sample ID:** UMW-125-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 8:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.048**	mg/L	1	09/26/2018 11:58	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/21/2018 16:35	145952
Barium	NELAP	0.0025		**0.0239**	mg/L	1	09/21/2018 16:35	145952
Cadmium	NELAP	0.0020		**0.0022**	mg/L	1	09/21/2018 16:35	145952
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/21/2018 16:35	145952
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/21/2018 16:35	145952
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/21/2018 16:35	145952
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/21/2018 16:35	145952
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:31	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 18:20	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Naphthalene	NELAP	0.000200		**0.00102**	mg/L	1	09/24/2018 18:20	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 18:20	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:20	146012
Surr: 2-Fluorobiphenyl	*	10-164		**64.1**	%REC	1	09/24/2018 18:20	146012
Surr: Nitrobenzene-d5	*	10.3-142		**71.3**	%REC	1	09/24/2018 18:20	146012
Surr: p-Terphenyl-d14	*	47.1-148		**108.5**	%REC	1	09/24/2018 18:20	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**7.8**	µg/L	1	09/21/2018 17:26	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 17:26	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 17:26	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 17:26	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**99.9**	%REC	1	09/21/2018 17:26	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**101.3**	%REC	1	09/21/2018 17:26	146010
Surr: Dibromofluoromethane	*	84.9-113		**98.9**	%REC	1	09/21/2018 17:26	146010
Surr: Toluene-d8	*	86.7-112		**97.0**	%REC	1	09/21/2018 17:26	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-018 **Client Sample ID:** UMW-126-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 10:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:02	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:20	145967
Barium	NELAP	0.0025		**0.0220**	mg/L	1	09/24/2018 12:20	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:20	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:20	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:20	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:20	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:20	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:38	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 18:57	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Naphthalene	NELAP	0.000200		**0.000385**	mg/L	1	09/24/2018 18:57	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 18:57	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 18:57	146012
Surr: 2-Fluorobiphenyl	*	10-164		**65.1**	%REC	1	09/24/2018 18:57	146012
Surr: Nitrobenzene-d5	*	10.3-142		**78.7**	%REC	1	09/24/2018 18:57	146012
Surr: p-Terphenyl-d14	*	47.1-148		**116.6**	%REC	1	09/24/2018 18:57	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**108**	µg/L	1	09/21/2018 17:52	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 17:52	146010
Toluene	NELAP	2.0		**3.4**	µg/L	1	09/21/2018 17:52	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 17:52	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**102.9**	%REC	1	09/21/2018 17:52	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.3**	%REC	1	09/21/2018 17:52	146010
Surr: Dibromofluoromethane	*	84.9-113		**99.3**	%REC	1	09/21/2018 17:52	146010
Surr: Toluene-d8	*	86.7-112		**96.4**	%REC	1	09/21/2018 17:52	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-019 **Client Sample ID:** UMW-127-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 10:40

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:07	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:23	145967
Barium	NELAP	0.0025		**0.177**	mg/L	1	09/24/2018 12:23	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:23	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:23	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:23	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:23	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:23	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:40	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000238**	mg/L	1	09/24/2018 19:34	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 19:34	146012
Fluorene	NELAP	0.000100		**0.000170**	mg/L	1	09/24/2018 19:34	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Naphthalene	NELAP	0.000200		**0.00220**	mg/L	1	09/24/2018 19:34	146012
Phenanthrene	NELAP	0.000400		**0.000451**	mg/L	1	09/24/2018 19:34	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 19:34	146012
Surr: 2-Fluorobiphenyl	*	10-164		**64.9**	%REC	1	09/24/2018 19:34	146012
Surr: Nitrobenzene-d5	*	10.3-142		**71.4**	%REC	1	09/24/2018 19:34	146012
Surr: p-Terphenyl-d14	*	47.1-148		**94.1**	%REC	1	09/24/2018 19:34	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**2.9**	µg/L	1	09/21/2018 10:29	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:29	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:29	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:29	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**92.2**	%REC	1	09/21/2018 10:29	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.3**	%REC	1	09/21/2018 10:29	146015
Surr: Dibromofluoromethane	*	84.9-113		**100.2**	%REC	1	09/21/2018 10:29	146015
Surr: Toluene-d8	*	86.7-112		**96.7**	%REC	1	09/21/2018 10:29	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-020 **Client Sample ID:** UMW-300-WG-20180917

Matrix: GROUNDWATER **Collection Date:** 09/17/2018 14:15

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:16	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:27	145967
Barium	NELAP	0.0025		**0.102**	mg/L	1	09/24/2018 12:27	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:27	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:27	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:27	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:27	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:27	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:42	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 14:37	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 14:37	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 14:37	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 14:37	145965
Surr: 2-Fluorobiphenyl	*	10-164		**61.6**	%REC	1	09/22/2018 14:37	145965
Surr: Nitrobenzene-d5	*	10.3-142		**74.6**	%REC	1	09/22/2018 14:37	145965
Surr: p-Terphenyl-d14	*	47.1-148		**91.9**	%REC	1	09/22/2018 14:37	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 10:56	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:56	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:56	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 10:56	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**92.8**	%REC	1	09/21/2018 10:56	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**96.4**	%REC	1	09/21/2018 10:56	146015
Surr: Dibromofluoromethane	*	84.9-113		**101.3**	%REC	1	09/21/2018 10:56	146015
Surr: Toluene-d8	*	86.7-112		**95.7**	%REC	1	09/21/2018 10:56	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-021 **Client Sample ID:** UMW-301R-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 16:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:20	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:42	145967
Barium	NELAP	0.0025		**0.0805**	mg/L	1	09/24/2018 12:42	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:42	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:42	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:42	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:42	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:42	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:44	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.00274**	mg/L	1	09/24/2018 22:00	146012
Acenaphthylene	NELAP	0.000100		**0.00337**	mg/L	1	09/24/2018 22:00	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 22:00	146012
Fluorene	NELAP	0.000100		**0.000142**	mg/L	1	09/24/2018 22:00	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Naphthalene	NELAP	0.000200		**0.000238**	mg/L	1	09/24/2018 22:00	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 22:00	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:00	146012
Surr: 2-Fluorobiphenyl	*	10-164		**58.9**	%REC	1	09/24/2018 22:00	146012
Surr: Nitrobenzene-d5	*	10.3-142		**70.3**	%REC	1	09/24/2018 22:00	146012
Surr: p-Terphenyl-d14	*	47.1-148		**105.7**	%REC	1	09/24/2018 22:00	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 11:23	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:23	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:23	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 11:23	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**93.9**	%REC	1	09/21/2018 11:23	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**97.3**	%REC	1	09/21/2018 11:23	146015
Surr: Dibromofluoromethane	*	84.9-113		**100.5**	%REC	1	09/21/2018 11:23	146015
Surr: Toluene-d8	*	86.7-112		**96.8**	%REC	1	09/21/2018 11:23	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-022 **Client Sample ID:** UMW-302-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 13:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.025		**0.113**	mg/L	5	09/26/2018 14:22	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:45	145967
Barium	NELAP	0.0025		**0.0583**	mg/L	1	09/24/2018 12:45	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:45	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:45	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:45	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:45	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:45	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:47	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000456**	mg/L	1	09/24/2018 22:37	146012
Acenaphthylene	NELAP	0.000100		**0.000652**	mg/L	1	09/24/2018 22:37	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 22:37	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Naphthalene	NELAP	0.200		**3.53**	mg/L	1000	09/25/2018 14:18	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 22:37	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 22:37	146012
Surr: 2-Fluorobiphenyl	*	10-164	S	**0**	%REC	1000	09/25/2018 14:18	146012
Surr: Nitrobenzene-d5	*	10.3-142	S	**0**	%REC	1000	09/25/2018 14:18	146012
Surr: p-Terphenyl-d14	*	47.1-148		**113.5**	%REC	1	09/24/2018 22:37	146012
Surrogate recovery is outside control limits due to sample dilution.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**409**	µg/L	10	09/25/2018 16:53	146081
Ethylbenzene	NELAP	20.0		**751**	µg/L	10	09/25/2018 16:53	146081
Toluene	NELAP	20.0		**ND**	µg/L	10	09/25/2018 16:53	146081
Xylenes, Total	NELAP	20.0		**198**	µg/L	10	09/25/2018 16:53	146081
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**101.4**	%REC	10	09/25/2018 16:53	146081
Surr: 4-Bromofluorobenzene	*	83.9-115		**100.9**	%REC	10	09/25/2018 16:53	146081
Surr: Dibromofluoromethane	*	84.9-113		**100.5**	%REC	10	09/25/2018 16:53	146081
Surr: Toluene-d8	*	86.7-112		**96.1**	%REC	10	09/25/2018 16:53	146081
Elevated reporting limit due to high levels of target and/or non-target analytes.								

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-023 **Client Sample ID:** UMW-303-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 10:35

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:29	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:49	145967
Barium	NELAP	0.0025		**0.0417**	mg/L	1	09/24/2018 12:49	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:49	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:49	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:49	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:49	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:49	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:49	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 15:13	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 15:13	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 15:13	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:13	145965
Surr: 2-Fluorobiphenyl	*	10-164		**61.7**	%REC	1	09/22/2018 15:13	145965
Surr: Nitrobenzene-d5	*	10.3-142		**64.8**	%REC	1	09/22/2018 15:13	145965
Surr: p-Terphenyl-d14	*	47.1-148		**83.0**	%REC	1	09/22/2018 15:13	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 12:15	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:15	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:15	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:15	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**92.4**	%REC	1	09/21/2018 12:15	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**94.9**	%REC	1	09/21/2018 12:15	146015
Surr: Dibromofluoromethane	*	84.9-113		**101.5**	%REC	1	09/21/2018 12:15	146015
Surr: Toluene-d8	*	86.7-112		**94.9**	%REC	1	09/21/2018 12:15	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-024 **Client Sample ID:** UMW-304R-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 12:55	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 12:53	145967
Barium	NELAP	0.0025		**0.0787**	mg/L	1	09/24/2018 12:53	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 12:53	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 12:53	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 12:53	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 12:53	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 12:53	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:51	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000539**	mg/L	1	09/24/2018 20:10	146012
Acenaphthylene	NELAP	0.000100		**0.00127**	mg/L	1	09/24/2018 20:10	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 20:10	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Naphthalene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 20:10	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 20:10	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 20:10	146012
Surr: 2-Fluorobiphenyl	*	10-164		**69.7**	%REC	1	09/24/2018 20:10	146012
Surr: Nitrobenzene-d5	*	10.3-142		**73.2**	%REC	1	09/24/2018 20:10	146012
Surr: p-Terphenyl-d14	*	47.1-148		**111.6**	%REC	1	09/24/2018 20:10	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 12:42	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:42	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:42	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 12:42	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**94.8**	%REC	1	09/21/2018 12:42	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.5**	%REC	1	09/21/2018 12:42	146015
Surr: Dibromofluoromethane	*	84.9-113		**102.1**	%REC	1	09/21/2018 12:42	146015
Surr: Toluene-d8	*	86.7-112		**95.3**	%REC	1	09/21/2018 12:42	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-025 **Client Sample ID:** UMW-305-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 16:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.012**	mg/L	1	09/26/2018 13:12	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 16:54	145967
Barium	NELAP	0.0025		**0.103**	mg/L	1	09/24/2018 16:54	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 16:54	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 16:54	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 16:54	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 16:54	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 16:54	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 10:58	145976
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Benzo(a)pyrene	NELAP	0.000100	S	**ND**	mg/L	1	09/21/2018 20:48	145965
Benzo(b)fluoranthene	NELAP	0.000100	S	**ND**	mg/L	1	09/21/2018 20:48	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/21/2018 20:48	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100	S	**ND**	mg/L	1	09/21/2018 20:48	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/21/2018 20:48	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/21/2018 20:48	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/21/2018 20:48	145965
Surr: 2-Fluorobiphenyl	*	10-164		**60.1**	%REC	1	09/21/2018 20:48	145965
Surr: Nitrobenzene-d5	*	10.3-142		**67.7**	%REC	1	09/21/2018 20:48	145965
Surr: p-Terphenyl-d14	*	47.1-148		**94.4**	%REC	1	09/21/2018 20:48	145965

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

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 18:18	146010
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 18:18	146010
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 18:18	146010
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 18:18	146010
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**102.1**	%REC	1	09/21/2018 18:18	146010
Surr: 4-Bromofluorobenzene	*	83.9-115		**102.9**	%REC	1	09/21/2018 18:18	146010
Surr: Dibromofluoromethane	*	84.9-113		**100.4**	%REC	1	09/21/2018 18:18	146010
Surr: Toluene-d8	*	86.7-112		**97.5**	%REC	1	09/21/2018 18:18	146010

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-026 **Client Sample ID:** UMW-306-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 15:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.019**	mg/L	1	09/26/2018 13:30	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:05	145967
Barium	NELAP	0.0025		**0.122**	mg/L	1	09/24/2018 17:05	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:05	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:05	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:05	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:05	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:05	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:14	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 15:50	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 15:50	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 15:50	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 15:50	145965
Surr: 2-Fluorobiphenyl	*	10-164		**64.0**	%REC	1	09/22/2018 15:50	145965
Surr: Nitrobenzene-d5	*	10.3-142		**69.6**	%REC	1	09/22/2018 15:50	145965
Surr: p-Terphenyl-d14	*	47.1-148		**92.2**	%REC	1	09/22/2018 15:50	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 13:08	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:08	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:08	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:08	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**95.5**	%REC	1	09/21/2018 13:08	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.5**	%REC	1	09/21/2018 13:08	146015
Surr: Dibromofluoromethane	*	84.9-113		**102.8**	%REC	1	09/21/2018 13:08	146015
Surr: Toluene-d8	*	86.7-112		**95.0**	%REC	1	09/21/2018 13:08	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-027 **Client Sample ID:** UMW-307-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 15:05

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.010		**0.053**	mg/L	2	09/26/2018 14:27	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:09	145967
Barium	NELAP	0.0025		**0.132**	mg/L	1	09/24/2018 17:09	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:09	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:09	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:09	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:09	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:09	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:21	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 16:26	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 16:26	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 16:26	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 16:26	145965
Surr: 2-Fluorobiphenyl	*	10-164		**60.3**	%REC	1	09/22/2018 16:26	145965
Surr: Nitrobenzene-d5	*	10.3-142		**70.2**	%REC	1	09/22/2018 16:26	145965
Surr: p-Terphenyl-d14	*	47.1-148		**96.2**	%REC	1	09/22/2018 16:26	145965
Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 13:34	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:34	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:34	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 13:34	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**95.2**	%REC	1	09/21/2018 13:34	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.8**	%REC	1	09/21/2018 13:34	146015
Surr: Dibromofluoromethane	*	84.9-113		**102.8**	%REC	1	09/21/2018 13:34	146015
Surr: Toluene-d8	*	86.7-112		**95.6**	%REC	1	09/21/2018 13:34	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-028 **Client Sample ID:** UMW-308-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 9:50

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.018**	mg/L	1	09/26/2018 13:39	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:13	145967
Barium	NELAP	0.0025		**0.113**	mg/L	1	09/24/2018 17:13	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:13	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:13	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:13	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:13	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:13	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:23	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 23:14	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Naphthalene	NELAP	0.00200		**0.00285**	mg/L	10	09/25/2018 13:40	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 23:14	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:14	146012
Surr: 2-Fluorobiphenyl	*	10-164		**61.7**	%REC	1	09/24/2018 23:14	146012
Surr: Nitrobenzene-d5	*	10.3-142		**77.0**	%REC	1	09/24/2018 23:14	146012
Surr: p-Terphenyl-d14	*	47.1-148		**101.7**	%REC	1	09/24/2018 23:14	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 14:00	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:00	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:00	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:00	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**93.1**	%REC	1	09/21/2018 14:00	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**96.2**	%REC	1	09/21/2018 14:00	146015
Surr: Dibromofluoromethane	*	84.9-113		**101.0**	%REC	1	09/21/2018 14:00	146015
Surr: Toluene-d8	*	86.7-112		**97.7**	%REC	1	09/21/2018 14:00	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-029 **Client Sample ID:** DUP 001-WG-20180918

Matrix: GROUNDWATER **Collection Date:** 09/18/2018 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.250		**0.433**	mg/L	50	09/26/2018 14:31	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:27	145967
Barium	NELAP	0.0025		**0.154**	mg/L	1	09/24/2018 17:27	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:27	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:27	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:27	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:27	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:27	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:26	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/22/2018 17:03	145965
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Naphthalene	NELAP	0.000200	B	**ND**	mg/L	1	09/22/2018 17:03	145965
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/22/2018 17:03	145965
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/22/2018 17:03	145965
Surr: 2-Fluorobiphenyl	*	10-164		**62.3**	%REC	1	09/22/2018 17:03	145965
Surr: Nitrobenzene-d5	*	10.3-142		**69.2**	%REC	1	09/22/2018 17:03	145965
Surr: p-Terphenyl-d14	*	47.1-148		**94.8**	%REC	1	09/22/2018 17:03	145965

Contamination present in the MBLK for Naphthalene. Sample results below the reporting limit are reportable per the TNI Standard.

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**4.5**	µg/L	1	09/21/2018 14:26	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:26	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:26	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 14:26	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**93.3**	%REC	1	09/21/2018 14:26	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**96.5**	%REC	1	09/21/2018 14:26	146015
Surr: Dibromofluoromethane	*	84.9-113		**100.3**	%REC	1	09/21/2018 14:26	146015
Surr: Toluene-d8	*	86.7-112		**95.0**	%REC	1	09/21/2018 14:26	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-030 **Client Sample ID:** DUP 002-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**0.010**	mg/L	1	09/26/2018 14:09	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:31	145967
Barium	NELAP	0.0025		**0.0313**	mg/L	1	09/24/2018 17:31	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:31	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:31	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:31	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:31	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:31	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:32	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000522**	mg/L	1	09/24/2018 23:50	146012
Acenaphthylene	NELAP	0.000100		**0.000284**	mg/L	1	09/24/2018 23:50	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/24/2018 23:50	146012
Fluorene	NELAP	0.000100		**0.000171**	mg/L	1	09/24/2018 23:50	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Naphthalene	NELAP	0.00500		**0.0503**	mg/L	25	09/25/2018 12:24	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/24/2018 23:50	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/24/2018 23:50	146012
Surr: 2-Fluorobiphenyl	*	10-164		**66.1**	%REC	1	09/24/2018 23:50	146012
Surr: Nitrobenzene-d5	*	10.3-142		**71.5**	%REC	1	09/24/2018 23:50	146012
Surr: p-Terphenyl-d14	*	47.1-148		**116.6**	%REC	1	09/24/2018 23:50	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**86.9**	µg/L	1	09/21/2018 14:52	146015
Ethylbenzene	NELAP	2.0		**8.3**	µg/L	1	09/21/2018 14:52	146015
Toluene	NELAP	2.0		**39.4**	µg/L	1	09/21/2018 14:52	146015
Xylenes, Total	NELAP	2.0		**21.6**	µg/L	1	09/21/2018 14:52	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**95.2**	%REC	1	09/21/2018 14:52	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.7**	%REC	1	09/21/2018 14:52	146015
Surr: Dibromofluoromethane	*	84.9-113		**99.8**	%REC	1	09/21/2018 14:52	146015
Surr: Toluene-d8	*	86.7-112		**95.2**	%REC	1	09/21/2018 14:52	146015

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-031 **Client Sample ID:** DUP 003-WG-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.026		**0.113**	mg/L	5	09/26/2018 14:57	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:35	145967
Barium	NELAP	0.0025		**0.0603**	mg/L	1	09/24/2018 17:35	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:35	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:35	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:35	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:35	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:35	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:35	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**0.000417**	mg/L	1	09/25/2018 0:27	146012
Acenaphthylene	NELAP	0.000100		**0.000569**	mg/L	1	09/25/2018 0:27	146012
Anthracene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/25/2018 0:27	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Naphthalene	NELAP	0.200		**2.61**	mg/L	1000	09/25/2018 14:56	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/25/2018 0:27	146012
Pyrene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 0:27	146012
Surr: 2-Fluorobiphenyl	*	10-164	S	**0**	%REC	1000	09/25/2018 14:56	146012
Surr: Nitrobenzene-d5	*	10.3-142	S	**0**	%REC	1000	09/25/2018 14:56	146012
Surr: p-Terphenyl-d14	*	47.1-148		**102.2**	%REC	1	09/25/2018 0:27	146012
Surrogate recovery is outside control limits due to sample dilution.								
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	5.0		**420**	µg/L	10	09/25/2018 17:20	146081
Ethylbenzene	NELAP	20.0		**775**	µg/L	10	09/25/2018 17:20	146081
Toluene	NELAP	20.0		**ND**	µg/L	10	09/25/2018 17:20	146081
Xylenes, Total	NELAP	20.0		**203**	µg/L	10	09/25/2018 17:20	146081
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**100.4**	%REC	10	09/25/2018 17:20	146081
Surr: 4-Bromofluorobenzene	*	83.9-115		**99.5**	%REC	10	09/25/2018 17:20	146081
Surr: Dibromofluoromethane	*	84.9-113		**100.3**	%REC	10	09/25/2018 17:20	146081
Surr: Toluene-d8	*	86.7-112		**95.9**	%REC	10	09/25/2018 17:20	146081
Elevated reporting limit due to high levels of target and/or non-target analytes.								

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Lab ID: 18091324-032 **Client Sample ID:** EB-01-WQ-20180919

Matrix: GROUNDWATER **Collection Date:** 09/19/2018 8:20

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 9012A (TOTAL)								
Cyanide	NELAP	0.005		**< 0.005**	mg/L	1	09/26/2018 14:18	146079
SW-846 3005A, 6010B, METALS BY ICP (TOTAL)								
Arsenic	NELAP	0.0250		**< 0.0250**	mg/L	1	09/24/2018 17:38	145967
Barium	NELAP	0.0025		**0.0035**	mg/L	1	09/24/2018 17:38	145967
Cadmium	NELAP	0.0020		**< 0.0020**	mg/L	1	09/24/2018 17:38	145967
Chromium	NELAP	0.0050		**< 0.0050**	mg/L	1	09/24/2018 17:38	145967
Lead	NELAP	0.0075		**< 0.0075**	mg/L	1	09/24/2018 17:38	145967
Selenium	NELAP	0.0400		**< 0.0400**	mg/L	1	09/24/2018 17:38	145967
Silver	NELAP	0.0070		**< 0.0070**	mg/L	1	09/24/2018 17:38	145967
SW-846 7470A (TOTAL)								
Mercury	NELAP	0.00020		**< 0.00020**	mg/L	1	09/24/2018 11:37	145978
SW-846 3510C,8270C, SEMI-VOLATILE ORGANIC COMPOUNDS								
Acenaphthene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Acenaphthylene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Anthracene	NELAP	0.000100		**0.000134**	mg/L	1	09/25/2018 1:04	146012
Benzo(a)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Benzo(a)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Benzo(b)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Benzo(g,h,i)perylene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Benzo(k)fluoranthene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Chrysene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Dibenzo(a,h)anthracene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Fluoranthene	NELAP	0.000200		**ND**	mg/L	1	09/25/2018 1:04	146012
Fluorene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Indeno(1,2,3-cd)pyrene	NELAP	0.000100		**ND**	mg/L	1	09/25/2018 1:04	146012
Naphthalene	NELAP	0.00500		**0.00500**	mg/L	25	09/25/2018 13:02	146012
Phenanthrene	NELAP	0.000400		**ND**	mg/L	1	09/25/2018 1:04	146012
Pyrene	NELAP	0.000100		**0.000107**	mg/L	1	09/25/2018 1:04	146012
Surr: 2-Fluorobiphenyl	*	10-164		**65.2**	%REC	1	09/25/2018 1:04	146012
Surr: Nitrobenzene-d5	*	10.3-142		**73.3**	%REC	1	09/25/2018 1:04	146012
Surr: p-Terphenyl-d14	*	47.1-148		**104.6**	%REC	1	09/25/2018 1:04	146012
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Benzene	NELAP	0.5		**ND**	µg/L	1	09/21/2018 15:45	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:45	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:45	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 15:45	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**93.3**	%REC	1	09/21/2018 15:45	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.4**	%REC	1	09/21/2018 15:45	146015
Surr: Dibromofluoromethane	*	84.9-113		**101.8**	%REC	1	09/21/2018 15:45	146015
Surr: Toluene-d8	*	86.7-112		**94.7**	%REC	1	09/21/2018 15:45	146015

Client: ERM
Work Order: 18091324
Client Project: Champaign GW
Report Date: 26-Sep-18
Lab ID: 18091324-033
Client Sample ID: TB-01-WQ-201809
Matrix: TRIP BLANK
Collection Date: 09/20/2018 15:22

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	09/21/2018 16:11	146015
Ethylbenzene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:11	146015
Toluene	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:11	146015
Xylenes, Total	NELAP	2.0		**ND**	µg/L	1	09/21/2018 16:11	146015
Surr: 1,2-Dichloroethane-d4	*	79.6-118		**94.7**	%REC	1	09/21/2018 16:11	146015
Surr: 4-Bromofluorobenzene	*	83.9-115		**95.3**	%REC	1	09/21/2018 16:11	146015
Surr: Dibromofluoromethane	*	84.9-113		**103.1**	%REC	1	09/21/2018 16:11	146015
Surr: Toluene-d8	*	86.7-112		**96.9**	%REC	1	09/21/2018 16:11	146015

Client: ERM
Client Project: Champaign GW

Work Order: 18091324
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Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
18091324-001	UMW-102-WG-20180917	Groundwater	4	09/17/2018 17:10
18091324-002	UMW-105-WG-20180919	Groundwater	4	09/19/2018 14:15
18091324-003	UMW-106R-WG-20180918	Groundwater	4	09/18/2018 11:50
18091324-004	UMW-107R-WG-20180918	Groundwater	4	09/18/2018 16:45
18091324-005	UMW-108-WG-20180918	Groundwater	4	09/18/2018 9:00
18091324-006	UMW-109-WG-20180917	Groundwater	4	09/17/2018 17:15
18091324-007	UMW-111A-WG-20180917	Groundwater	4	09/17/2018 14:25
18091324-008	UMW-116-WG-20180918	Groundwater	4	09/18/2018 10:25
18091324-009	UMW-117-WG-20180918	Groundwater	4	09/18/2018 11:40
18091324-010	UMW-118-WG-20180918	Groundwater	4	09/18/2018 8:45
18091324-011	UMW-119-WG-20180917	Groundwater	4	09/17/2018 15:45
18091324-012	UMW-120-WG-20180917	Groundwater	4	09/17/2018 16:10
18091324-013	UMW-121-WG-20180919	Groundwater	4	09/19/2018 13:35
18091324-014	UMW-122-WG-20180918	Groundwater	4	09/18/2018 14:05
18091324-015	UMW-123-WG-20180918	Groundwater	4	09/18/2018 13:45
18091324-016	UMW-124-WG-20180919	Groundwater	4	09/19/2018 8:45
18091324-017	UMW-125-WG-20180919	Groundwater	4	09/19/2018 8:20
18091324-018	UMW-126-WG-20180919	Groundwater	4	09/19/2018 10:50
18091324-019	UMW-127-WG-20180919	Groundwater	4	09/19/2018 10:40
18091324-020	UMW-300-WG-20180917	Groundwater	4	09/17/2018 14:15
18091324-021	UMW-301R-WG-20180919	Groundwater	4	09/19/2018 16:30
18091324-022	UMW-302-WG-20180919	Groundwater	4	09/19/2018 13:25
18091324-023	UMW-303-WG-20180918	Groundwater	4	09/18/2018 10:35
18091324-024	UMW-304R-WG-20180919	Groundwater	4	09/19/2018 9:25
18091324-025	UMW-305-WG-20180918	Groundwater	4	09/18/2018 16:10
18091324-026	UMW-306-WG-20180918	Groundwater	4	09/18/2018 15:30
18091324-027	UMW-307-WG-20180918	Groundwater	4	09/18/2018 15:05
18091324-028	UMW-308-WG-20180919	Groundwater	4	09/19/2018 9:50
18091324-029	DUP 001-WG-20180918	Groundwater	4	09/18/2018 0:00
18091324-030	DUP 002-WG-20180919	Groundwater	4	09/19/2018 0:00
18091324-031	DUP 003-WG-20180919	Groundwater	4	09/19/2018 0:00
18091324-032	EB-01-WQ-20180919	Groundwater	4	09/19/2018 8:20
18091324-033	TB-01-WQ-201809	Trip Blank	1	09/20/2018 15:22

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
18091324-001A	UMW-102-WG-20180917	09/17/2018 17:10	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 17:09
18091324-001B	UMW-102-WG-20180917	09/17/2018 17:10	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:00
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:13
18091324-001C	UMW-102-WG-20180917	09/17/2018 17:10	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 12:13
18091324-001D	UMW-102-WG-20180917	09/17/2018 17:10	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 10:19
18091324-002A	UMW-105-WG-20180919	09/19/2018 14:15	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 16:30
18091324-002B	UMW-105-WG-20180919	09/19/2018 14:15	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:03
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:15
18091324-002C	UMW-105-WG-20180919	09/19/2018 14:15	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 12:18
18091324-002D	UMW-105-WG-20180919	09/19/2018 14:15	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 10:46
18091324-003A	UMW-106R-WG-20180918	09/18/2018 11:50	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 17:45
18091324-003B	UMW-106R-WG-20180918	09/18/2018 11:50	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:07
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:17
18091324-003C	UMW-106R-WG-20180918	09/18/2018 11:50	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 12:27
18091324-003D	UMW-106R-WG-20180918	09/18/2018 11:50	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 11:12
18091324-004A	UMW-107R-WG-20180918	09/18/2018 16:45	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 18:22
18091324-004B	UMW-107R-WG-20180918	09/18/2018 16:45	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:18
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:19
18091324-004C	UMW-107R-WG-20180918	09/18/2018 16:45	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 16:03
18091324-004D	UMW-107R-WG-20180918	09/18/2018 16:45	09/20/2018 15:22		

Client: ERM **Work Order:** 18091324

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 11:39
18091324-005A	UMW-108-WG-20180918	09/18/2018 9:00	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 18:58
18091324-005B	UMW-108-WG-20180918	09/18/2018 9:00	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:33
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:22
18091324-005C	UMW-108-WG-20180918	09/18/2018 9:00	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 14:49
18091324-005D	UMW-108-WG-20180918	09/18/2018 9:00	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 12:06
18091324-006A	UMW-109-WG-20180917	09/17/2018 17:15	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 19:35
18091324-006B	UMW-109-WG-20180917	09/17/2018 17:15	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:37
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:24
18091324-006C	UMW-109-WG-20180917	09/17/2018 17:15	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 14:53
18091324-006D	UMW-109-WG-20180917	09/17/2018 17:15	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 12:32
18091324-007A	UMW-111A-WG-20180917	09/17/2018 14:25	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 20:11
18091324-007B	UMW-111A-WG-20180917	09/17/2018 14:25	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:40
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:26
18091324-007C	UMW-111A-WG-20180917	09/17/2018 14:25	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 15:20
18091324-007D	UMW-111A-WG-20180917	09/17/2018 14:25	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 13:00
18091324-008A	UMW-116-WG-20180918	09/18/2018 10:25	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 10:22
18091324-008B	UMW-116-WG-20180918	09/18/2018 10:25	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:44
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:28
18091324-008C	UMW-116-WG-20180918	09/18/2018 10:25	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 15:24

Client: ERM **Work Order:** 18091324

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Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
18091324-008D	UMW-116-WG-20180918	09/18/2018 10:25	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 13:26
18091324-009A	UMW-117-WG-20180918	09/18/2018 11:40	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 10:58
18091324-009B	UMW-117-WG-20180918	09/18/2018 11:40	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:48
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:31
18091324-009C	UMW-117-WG-20180918	09/18/2018 11:40	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 15:28
18091324-009D	UMW-117-WG-20180918	09/18/2018 11:40	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 13:53
18091324-010A	UMW-118-WG-20180918	09/18/2018 8:45	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 11:35
18091324-010B	UMW-118-WG-20180918	09/18/2018 8:45	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 15:51
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:37
18091324-010C	UMW-118-WG-20180918	09/18/2018 8:45	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 15:33
18091324-010D	UMW-118-WG-20180918	09/18/2018 8:45	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 14:20
18091324-011A	UMW-119-WG-20180917	09/17/2018 15:45	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 12:11
18091324-011B	UMW-119-WG-20180917	09/17/2018 15:45	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:02
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:40
18091324-011C	UMW-119-WG-20180917	09/17/2018 15:45	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 16:12
18091324-011D	UMW-119-WG-20180917	09/17/2018 15:45	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 14:46
18091324-012A	UMW-120-WG-20180917	09/17/2018 16:10	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 12:47
18091324-012B	UMW-120-WG-20180917	09/17/2018 16:10	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:06
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:42
18091324-012C	UMW-120-WG-20180917	09/17/2018 16:10	09/20/2018 15:22		

Client: ERM **Work Order:** 18091324

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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)			09/24/2018 16:15	09/25/2018 16:47
18091324-012D	UMW-120-WG-20180917	09/17/2018 16:10	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 15:13
18091324-013A	UMW-121-WG-20180919	09/19/2018 13:35	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 17:06
18091324-013B	UMW-121-WG-20180919	09/19/2018 13:35	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:21
	SW-846 7470A (Total)			09/20/2018 17:39	09/21/2018 8:44
18091324-013C	UMW-121-WG-20180919	09/19/2018 13:35	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 16:56
18091324-013D	UMW-121-WG-20180919	09/19/2018 13:35	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 15:40
18091324-014A	UMW-122-WG-20180918	09/18/2018 14:05	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 13:24
18091324-014B	UMW-122-WG-20180918	09/18/2018 14:05	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:24
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:24
18091324-014C	UMW-122-WG-20180918	09/18/2018 14:05	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 16:34
18091324-014D	UMW-122-WG-20180918	09/18/2018 14:05	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 16:06
18091324-015A	UMW-123-WG-20180918	09/18/2018 13:45	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 14:00
18091324-015B	UMW-123-WG-20180918	09/18/2018 13:45	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:28
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:26
18091324-015C	UMW-123-WG-20180918	09/18/2018 13:45	09/20/2018 15:22		
	SW-846 9012A (Total)			09/24/2018 16:15	09/25/2018 16:43
18091324-015D	UMW-123-WG-20180918	09/18/2018 13:45	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 16:33
18091324-016A	UMW-124-WG-20180919	09/19/2018 8:45	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 17:43
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/25/2018 11:47
18091324-016B	UMW-124-WG-20180919	09/19/2018 8:45	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:32

Client: ERM **Work Order:** 18091324

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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)			09/21/2018 13:03	09/24/2018 10:29
18091324-016C	UMW-124-WG-20180919	09/19/2018 8:45	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 11:54
18091324-016D	UMW-124-WG-20180919	09/19/2018 8:45	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 17:00
18091324-017A	UMW-125-WG-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 18:20
18091324-017B	UMW-125-WG-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/20/2018 18:12	09/21/2018 16:35
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:31
18091324-017C	UMW-125-WG-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 11:58
18091324-017D	UMW-125-WG-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 17:26
18091324-018A	UMW-126-WG-20180919	09/19/2018 10:50	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 18:57
18091324-018B	UMW-126-WG-20180919	09/19/2018 10:50	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:20
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:38
18091324-018C	UMW-126-WG-20180919	09/19/2018 10:50	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:02
18091324-018D	UMW-126-WG-20180919	09/19/2018 10:50	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 17:52
18091324-019A	UMW-127-WG-20180919	09/19/2018 10:40	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 19:34
18091324-019B	UMW-127-WG-20180919	09/19/2018 10:40	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:23
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:40
18091324-019C	UMW-127-WG-20180919	09/19/2018 10:40	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:07
18091324-019D	UMW-127-WG-20180919	09/19/2018 10:40	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 10:29
18091324-020A	UMW-300-WG-20180917	09/17/2018 14:15	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 14:37
18091324-020B	UMW-300-WG-20180917	09/17/2018 14:15	09/20/2018 15:22		

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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)			09/21/2018 11:08	09/24/2018 12:27
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:42
18091324-020C	UMW-300-WG-20180917	09/17/2018 14:15	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:16
18091324-020D	UMW-300-WG-20180917	09/17/2018 14:15	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 10:56
18091324-021A	UMW-301R-WG-20180919	09/19/2018 16:30	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/24/2018 22:00
18091324-021B	UMW-301R-WG-20180919	09/19/2018 16:30	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:42
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:44
18091324-021C	UMW-301R-WG-20180919	09/19/2018 16:30	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:20
18091324-021D	UMW-301R-WG-20180919	09/19/2018 16:30	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 11:23
18091324-022A	UMW-302-WG-20180919	09/19/2018 13:25	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/24/2018 22:37
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 14:18
18091324-022B	UMW-302-WG-20180919	09/19/2018 13:25	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:45
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:47
18091324-022C	UMW-302-WG-20180919	09/19/2018 13:25	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:22
18091324-022D	UMW-302-WG-20180919	09/19/2018 13:25	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/25/2018 16:53
18091324-023A	UMW-303-WG-20180918	09/18/2018 10:35	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 15:13
18091324-023B	UMW-303-WG-20180918	09/18/2018 10:35	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:49
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:49
18091324-023C	UMW-303-WG-20180918	09/18/2018 10:35	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:29
18091324-023D	UMW-303-WG-20180918	09/18/2018 10:35	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 12:15
18091324-024A	UMW-304R-WG-20180919	09/19/2018 9:25	09/20/2018 15:22		

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 9:52	09/24/2018 20:10
18091324-024B	UMW-304R-WG-20180919	09/19/2018 9:25	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 12:53
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:51
18091324-024C	UMW-304R-WG-20180919	09/19/2018 9:25	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 12:55
18091324-024D	UMW-304R-WG-20180919	09/19/2018 9:25	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 12:42
18091324-025A	UMW-305-WG-20180918	09/18/2018 16:10	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 10:41	09/21/2018 20:48
18091324-025B	UMW-305-WG-20180918	09/18/2018 16:10	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 16:54
	SW-846 7470A (Total)			09/21/2018 13:03	09/24/2018 10:58
18091324-025C	UMW-305-WG-20180918	09/18/2018 16:10	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 13:12
18091324-025D	UMW-305-WG-20180918	09/18/2018 16:10	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 18:18
18091324-026A	UMW-306-WG-20180918	09/18/2018 15:30	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 15:50
18091324-026B	UMW-306-WG-20180918	09/18/2018 15:30	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:05
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:14
18091324-026C	UMW-306-WG-20180918	09/18/2018 15:30	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 13:30
18091324-026D	UMW-306-WG-20180918	09/18/2018 15:30	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 13:08
18091324-027A	UMW-307-WG-20180918	09/18/2018 15:05	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 16:26
18091324-027B	UMW-307-WG-20180918	09/18/2018 15:05	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:09
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:21
18091324-027C	UMW-307-WG-20180918	09/18/2018 15:05	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:27
18091324-027D	UMW-307-WG-20180918	09/18/2018 15:05	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 13:34

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			Prep Date/Time	Analysis Date/Time
18091324-028A	UMW-308-WG-20180919	09/19/2018 9:50	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/24/2018 23:14
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 13:40
18091324-028B	UMW-308-WG-20180919	09/19/2018 9:50	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:13
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:23
18091324-028C	UMW-308-WG-20180919	09/19/2018 9:50	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 13:39
18091324-028D	UMW-308-WG-20180919	09/19/2018 9:50	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 14:00
18091324-029A	DUP 001-WG-20180918	09/18/2018 0:00	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/21/2018 14:57	09/22/2018 17:03
18091324-029B	DUP 001-WG-20180918	09/18/2018 0:00	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:27
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:26
18091324-029C	DUP 001-WG-20180918	09/18/2018 0:00	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:31
18091324-029D	DUP 001-WG-20180918	09/18/2018 0:00	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 14:26
18091324-030A	DUP 002-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/24/2018 23:50
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 12:24
18091324-030B	DUP 002-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:31
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:32
18091324-030C	DUP 002-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:09
18091324-030D	DUP 002-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 14:52
18091324-031A	DUP 003-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 0:27
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 14:56
18091324-031B	DUP 003-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:35
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:35

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

Sample ID	Client Sample ID	Collection Date	Received Date		
	Test Name			**Prep Date/Time**	**Analysis Date/Time**
18091324-031C	DUP 003-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:57
18091324-031D	DUP 003-WG-20180919	09/19/2018 0:00	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/25/2018 17:20
18091324-032A	EB-01-WQ-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 1:04
	SW-846 3510C,8270C, Semi-Volatile Organic Compounds			09/24/2018 12:02	09/25/2018 13:02
18091324-032B	EB-01-WQ-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 3005A, 6010B, Metals by ICP (Total)			09/21/2018 11:08	09/24/2018 17:38
	SW-846 7470A (Total)			09/21/2018 13:58	09/24/2018 11:37
18091324-032C	EB-01-WQ-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 9012A (Total)			09/25/2018 15:35	09/26/2018 14:18
18091324-032D	EB-01-WQ-20180919	09/19/2018 8:20	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 15:45
18091324-033A	TB-01-WQ-201809	09/20/2018 15:22	09/20/2018 15:22		
	SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS				09/21/2018 16:11

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

SW-846 9012A (TOTAL)

Batch 146037 **SampType:** MBLK Units **mg/L**
SampID: MBLK 180924 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**< 0.005**	0.00300	0	0	-100	100	09/25/2018

Batch 146037 **SampType:** LCS Units **mg/L**
SampID: LCS 180924 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.024**	0.02500	0	95.4	90	110	09/25/2018

Batch 146037 **SampType:** MS Units **mg/L**
SampID: 18091324-003CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.045**	0.02500	0.02206	93.6	75	125	09/25/2018

Batch 146037 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 18091324-003CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.045**	0.02500	0.02206	93.2	0.04547	0.23	09/25/2018

Batch 146037 **SampType:** MS Units **mg/L**
SampID: 18091324-011CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005	E	**0.054**	0.02500	0.03262	86.2	75	125	09/25/2018

Batch 146037 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 18091324-011CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005	E	**0.055**	0.02500	0.03262	90.0	0.05416	1.72	09/25/2018

Batch 146079 **SampType:** MBLK Units **mg/L**
SampID: MBLK 180925 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**< 0.005**	0.00300	0	0	-100	100	09/26/2018

Batch 146079 **SampType:** LCS Units **mg/L**
SampID: LCS 180925 TCN1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.025**	0.02500	0	100.1	90	110	09/26/2018

Batch 146079 **SampType:** MS Units **mg/L**
SampID: 18091324-024CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.027**	0.02500	0	109.5	75	125	09/26/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

SW-846 9012A (TOTAL)

Batch 146079 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 18091324-024CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.028**	0.02500	0	110.7	0.02737	1.11	09/26/2018

Batch 146079 **SampType:** MS Units **mg/L**

SampID: 18091324-025CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cyanide	0.005		**0.038**	0.02500	0.01222	102.1	75	125	09/26/2018

Batch 146079 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 18091324-025CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cyanide	0.005		**0.038**	0.02500	0.01222	104.5	0.03774	1.58	09/26/2018

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

Batch 145952 **SampType:** MBLK Units **mg/L**

SampID: MBLK-145952

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**< 0.0250**	0.00870(	0	0	-100	100	09/21/2018
Barium	0.0025		**< 0.0025**	0.00070(	0	0	-100	100	09/21/2018
Cadmium	0.0020		**< 0.0020**	0.00050(	0	0	-100	100	09/21/2018
Chromium	0.0050		**< 0.0050**	0.00280(	0	0	-100	100	09/21/2018
Lead	0.0150		**< 0.0150**	0.00140(	0	0	-100	100	09/21/2018
Selenium	0.0400		**< 0.0400**	0.01700	0	0	-100	100	09/21/2018
Silver	0.0070		**< 0.0070**	0.00270(	0	0	-100	100	09/21/2018

Batch 145952 **SampType:** LCS Units **mg/L**

SampID: LCS-145952

Analyses	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	09/21/2018
Barium	0.0025		**1.95**	2.000	0	97.7	85	115	09/21/2018
Cadmium	0.0020		**0.0491**	0.05000	0	98.2	85	115	09/21/2018
Chromium	0.0050		**0.206**	0.2000	0	102.8	85	115	09/21/2018
Lead	0.0150		**0.513**	0.5000	0	102.7	85	115	09/21/2018
Selenium	0.0400		**0.506**	0.5000	0	101.2	85	115	09/21/2018
Silver	0.0070		**0.0497**	0.05000	0	99.4	85	115	09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 145952 **SampType:** MS Units **mg/L**

SampID: 18091324-003BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.522**	0.5000	0	104.4	75	125	09/21/2018
Barium	0.0025		**2.06**	2.000	0.08600	98.5	75	125	09/21/2018
Cadmium	0.0020		**0.0490**	0.05000	0	98.0	75	125	09/21/2018
Chromium	0.0050		**0.206**	0.2000	0	102.8	75	125	09/21/2018
Lead	0.0150		**0.514**	0.5000	0	102.8	75	125	09/21/2018
Selenium	0.0400		**0.511**	0.5000	0	102.2	75	125	09/21/2018
Silver	0.0070		**0.0504**	0.05000	0	100.8	75	125	09/21/2018

Batch 145952 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 18091324-003BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.518**	0.5000	0	103.5	0.5220	0.85	09/21/2018
Barium	0.0025		**2.05**	2.000	0.08600	98.3	2.056	0.19	09/21/2018
Cadmium	0.0020		**0.0490**	0.05000	0	98.0	0.04900	0.00	09/21/2018
Chromium	0.0050		**0.207**	0.2000	0	103.4	0.2055	0.68	09/21/2018
Lead	0.0150		**0.512**	0.5000	0	102.4	0.5138	0.35	09/21/2018
Selenium	0.0400		**0.503**	0.5000	0	100.6	0.5111	1.58	09/21/2018
Silver	0.0070		**0.0503**	0.05000	0	100.6	0.05040	0.20	09/21/2018

Batch 145952 **SampType:** MS Units **mg/L**

SampID: 18091324-010BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.514**	0.5000	0	102.7	75	125	09/21/2018
Barium	0.0025		**2.11**	2.000	0.1077	100.3	75	125	09/21/2018
Cadmium	0.0020		**0.0491**	0.05000	0	98.2	75	125	09/21/2018
Chromium	0.0050		**0.210**	0.2000	0	105.0	75	125	09/21/2018
Lead	0.0150		**0.517**	0.5000	0	103.4	75	125	09/21/2018
Selenium	0.0400		**0.504**	0.5000	0	100.7	75	125	09/21/2018
Silver	0.0070		**0.0508**	0.05000	0	101.6	75	125	09/21/2018

Batch 145952 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 18091324-010BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.524**	0.5000	0	104.8	0.5135	2.06	09/21/2018
Barium	0.0025		**2.10**	2.000	0.1077	99.9	2.113	0.38	09/21/2018
Cadmium	0.0020		**0.0495**	0.05000	0	99.0	0.04910	0.81	09/21/2018
Chromium	0.0050		**0.210**	0.2000	0	105.2	0.2100	0.19	09/21/2018
Lead	0.0150		**0.518**	0.5000	0	103.7	0.5170	0.29	09/21/2018
Selenium	0.0400		**0.509**	0.5000	0	101.8	0.5037	1.01	09/21/2018
Silver	0.0070		**0.0509**	0.05000	0	101.8	0.05080	0.20	09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 145967 **SampType:** MBLK Units **mg/L**

SampID: MBLK-145967

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**< 0.0250**	0.008700	0	0	-100	100	09/24/2018
Barium	0.0025		**< 0.0025**	0.007000	0	0	-100	100	09/24/2018
Cadmium	0.0020		**< 0.0020**	0.005000	0	0	-100	100	09/24/2018
Chromium	0.0050		**< 0.0050**	0.002800	0	0	-100	100	09/24/2018
Lead	0.0150		**< 0.0150**	0.001400	0	0	-100	100	09/24/2018
Selenium	0.0400		**< 0.0400**	0.01700	0	0	-100	100	09/24/2018
Silver	0.0070		**< 0.0070**	0.002700	0	0	-100	100	09/24/2018

Batch 145967 **SampType:** LCS Units **mg/L**

SampID: LCS-145967

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.510**	0.5000	0	102.0	85	115	09/24/2018
Barium	0.0025		**2.01**	2.000	0	100.5	85	115	09/24/2018
Cadmium	0.0020		**0.0500**	0.05000	0	100.0	85	115	09/24/2018
Chromium	0.0050		**0.209**	0.2000	0	104.5	85	115	09/24/2018
Lead	0.0150		**0.522**	0.5000	0	104.5	85	115	09/24/2018
Selenium	0.0400		**0.495**	0.5000	0	99.1	85	115	09/24/2018
Silver	0.0070		**0.0499**	0.05000	0	99.8	85	115	09/24/2018

Batch 145967 **SampType:** MS Units **mg/L**

SampID: 18091324-024BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.522**	0.5000	0	104.3	75	125	09/24/2018
Barium	0.0025		**2.09**	2.000	0.07870	100.5	75	125	09/24/2018
Cadmium	0.0020		**0.0494**	0.05000	0	98.8	75	125	09/24/2018
Chromium	0.0050		**0.208**	0.2000	0	104.0	75	125	09/24/2018
Lead	0.0150		**0.520**	0.5000	0	103.9	75	125	09/24/2018
Selenium	0.0400		**0.498**	0.5000	0	99.6	75	125	09/24/2018
Silver	0.0070		**0.0500**	0.05000	0	100.0	75	125	09/24/2018

Batch 145967 **SampType:** MSD Units **mg/L** RPD Limit **20**

SampID: 18091324-024BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.507**	0.5000	0	101.3	0.5217	2.94	09/24/2018
Barium	0.0025		**2.02**	2.000	0.07870	97.2	2.088	3.21	09/24/2018
Cadmium	0.0020		**0.0477**	0.05000	0	95.4	0.04940	3.50	09/24/2018
Chromium	0.0050		**0.200**	0.2000	0	100.2	0.2079	3.72	09/24/2018
Lead	0.0150		**0.502**	0.5000	0	100.4	0.5197	3.44	09/24/2018
Selenium	0.0400		**0.491**	0.5000	0	98.2	0.4982	1.48	09/24/2018
Silver	0.0070		**0.0487**	0.05000	0	97.4	0.05000	2.63	09/24/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 145967 **SampType: MS** Units **mg/L**

SampID: 18091324-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Arsenic	0.0250		**0.539**	0.5000	0	107.9	75	125	09/24/2018
Barium	0.0025		**2.24**	2.000	0.1034	106.8	75	125	09/24/2018
Cadmium	0.0020		**0.0512**	0.05000	0	102.4	75	125	09/24/2018
Chromium	0.0050		**0.218**	0.2000	0	108.8	75	125	09/24/2018
Lead	0.0150		**0.543**	0.5000	0	108.6	75	125	09/24/2018
Selenium	0.0400		**0.511**	0.5000	0	102.3	75	125	09/24/2018
Silver	0.0070		**0.0522**	0.05000	0	104.4	75	125	09/24/2018

Batch 145967 **SampType: MSD** Units **mg/L** RPD Limit **20**

SampID: 18091324-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Arsenic	0.0250		**0.543**	0.5000	0	108.7	0.5393	0.74	09/24/2018
Barium	0.0025		**2.24**	2.000	0.1034	106.9	2.240	0.04	09/24/2018
Cadmium	0.0020		**0.0512**	0.05000	0	102.4	0.05120	0.00	09/24/2018
Chromium	0.0050		**0.218**	0.2000	0	109.1	0.2176	0.28	09/24/2018
Lead	0.0150		**0.539**	0.5000	0	107.8	0.5429	0.72	09/24/2018
Selenium	0.0400		**0.510**	0.5000	0	101.9	0.5114	0.33	09/24/2018
Silver	0.0070		**0.0518**	0.05000	0	103.6	0.05220	0.77	09/24/2018

SW-846 7470A (TOTAL)

Batch 145939 **SampType: MBLK** Units **mg/L**

SampID: MBLK-145939

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	000055(	0	0	-100	100	09/21/2018

Batch 145939 **SampType: LCS** Units **mg/L**

SampID: LCS-145939

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00535**	).00500(	0	107.1	85	115	09/21/2018

Batch 145939 **SampType: MS** Units **mg/L**

SampID: 18091324-013BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00538**	).00500(	0	107.5	75	125	09/21/2018

Batch 145939 **SampType: MSD** Units **mg/L** RPD Limit **15**

SampID: 18091324-013BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00533**	).00500(	0	106.6	0.005376	0.90	09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

SW-846 7470A (TOTAL)

Batch 145976 **SampType:** MBLK Units **mg/L**
SampID: MBLK-145976

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	000055(	0	0	-100	100	09/24/2018

Batch 145976 **SampType:** LCS Units **mg/L**
SampID: LCS-145976

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00521**	).00500(	0	104.1	85	115	09/24/2018

Batch 145976 **SampType:** MS Units **mg/L**
SampID: 18091324-024BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00525**	).00500(	0	104.9	75	125	09/24/2018

Batch 145976 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 18091324-024BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00535**	).00500(	0	107.0	0.005245	1.99	09/24/2018

Batch 145976 **SampType:** MS Units **mg/L**
SampID: 18091324-025BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00533**	).00500(	0	106.6	75	125	09/24/2018

Batch 145976 **SampType:** MSD Units **mg/L** RPD Limit **15**
SampID: 18091324-025BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00534**	).00500(	0	106.8	0.005330	0.20	09/24/2018

Batch 145978 **SampType:** MBLK Units **mg/L**
SampID: MBLK-145978

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**< 0.00020**	000055(	0	0	-100	100	09/24/2018

Batch 145978 **SampType:** LCS Units **mg/L**
SampID: LCS-145978

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00522**	).00500(	0	104.5	85	115	09/24/2018

Batch 145978 **SampType:** MS Units **mg/L**
SampID: 18091324-026BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Mercury	0.00020		**0.00540**	).00500(	0	107.9	75	125	09/24/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

SW-846 7470A (TOTAL)

Batch 145978 **SampType:** MSD Units **mg/L** RPD Limit **15**

SampID: 18091324-026BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Mercury	0.00020		**0.00534**	0.00500	0	106.8	0.005397	1.04	09/24/2018

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

Batch 145965 **SampType:** MBLK Units **mg/L**

SampID: MBLK-145965

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						09/21/2018
Acenaphthylene	0.000100		**ND**						09/21/2018
Anthracene	0.000100		**ND**						09/21/2018
Benzo(a)anthracene	0.000100		**ND**						09/21/2018
Benzo(a)pyrene	0.000100		**ND**						09/21/2018
Benzo(b)fluoranthene	0.000100		**ND**						09/21/2018
Benzo(g,h,i)perylene	0.000100		**ND**						09/21/2018
Benzo(k)fluoranthene	0.000100		**ND**						09/21/2018
Chrysene	0.000100		**ND**						09/21/2018
Dibenzo(a,h)anthracene	0.000100		**ND**						09/21/2018
Fluoranthene	0.000200		**ND**						09/21/2018
Fluorene	0.000100		**ND**						09/21/2018
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						09/21/2018
Naphthalene	0.000200		**ND**						09/21/2018
Phenanthrene	0.000400		**ND**						09/21/2018
Pyrene	0.000200		**ND**						09/21/2018
Surr: 2-Fluorobiphenyl			**0.000699**	0.00100		69.9	34.1	131	09/21/2018
Surr: Nitrobenzene-d5			**0.000702**	0.00100		70.2	35.1	136	09/21/2018
Surr: p-Terphenyl-d14			**0.000894**	0.00100		89.4	38.3	195	09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch **145965** **SampType:** **LCS** Units **mg/L**

SampID: LCS-145965

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00174**	0.00200	0	87.2	53.8	111	09/21/2018
Acenaphthylene	0.000100		**0.00145**	0.00200	0	72.5	55.3	112	09/21/2018
Anthracene	0.000100		**0.00175**	0.00200	0	87.7	56.5	111	09/21/2018
Benzo(a)anthracene	0.000100		**0.00159**	0.00200	0	79.6	52.8	121	09/21/2018
Benzo(a)pyrene	0.000100		**0.00163**	0.00200	0	81.5	56.9	127	09/21/2018
Benzo(b)fluoranthene	0.000100		**0.00146**	0.00200	0	73.2	50.8	132	09/21/2018
Benzo(g,h,i)perylene	0.000100		**0.00158**	0.00200	0	79.0	37.6	151	09/21/2018
Benzo(k)fluoranthene	0.000100		**0.00162**	0.00200	0	81.0	56.6	125	09/21/2018
Chrysene	0.000100		**0.00184**	0.00200	0	92.1	39.6	124	09/21/2018
Dibenzo(a,h)anthracene	0.000100		**0.00166**	0.00200	0	83.2	42.6	144	09/21/2018
Fluoranthene	0.000200		**0.00190**	0.00200	0	95.2	55.3	130	09/21/2018
Fluorene	0.000100		**0.00162**	0.00200	0	81.2	53.2	118	09/21/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00127**	0.00200	0	63.6	48.4	151	09/21/2018
Naphthalene	0.000200	B	**0.00181**	0.00200	0	90.7	50.6	108	09/21/2018
Phenanthrene	0.000400		**0.00193**	0.00200	0	96.3	56.1	125	09/21/2018
Pyrene	0.000200		**0.00181**	0.00200	0	90.6	52.7	129	09/21/2018
Surr: 2-Fluorobiphenyl			**0.000641**	0.00100		64.1	34.1	131	09/21/2018
Surr: Nitrobenzene-d5			**0.000707**	0.00100		70.7	35.1	136	09/21/2018
Surr: p-Terphenyl-d14			**0.000942**	0.00100		94.2	38.3	195	09/21/2018

Batch **145965** **SampType:** **LCSD** Units **mg/L** RPD Limit **40**

SampID: LCSD-145965

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00170**	0.00200	0	85.1	0.001743	2.35	09/21/2018
Acenaphthylene	0.000100		**0.00124**	0.00200	0	61.9	0.001449	15.76	09/21/2018
Anthracene	0.000100		**0.00159**	0.00200	0	79.7	0.001754	9.54	09/21/2018
Benzo(a)anthracene	0.000100		**0.00158**	0.00200	0	79.0	0.001592	0.78	09/21/2018
Benzo(a)pyrene	0.000100		**0.00152**	0.00200	0	75.9	0.001631	7.13	09/21/2018
Benzo(b)fluoranthene	0.000100		**0.00144**	0.00200	0	72.0	0.001464	1.60	09/21/2018
Benzo(g,h,i)perylene	0.000100		**0.00161**	0.00200	0	80.3	0.001580	1.64	09/21/2018
Benzo(k)fluoranthene	0.000100		**0.00158**	0.00200	0	79.0	0.001620	2.44	09/21/2018
Chrysene	0.000100		**0.00182**	0.00200	0	91.0	0.001842	1.23	09/21/2018
Dibenzo(a,h)anthracene	0.000100		**0.00167**	0.00200	0	83.7	0.001665	0.52	09/21/2018
Fluoranthene	0.000200		**0.00173**	0.00200	0	86.7	0.001904	9.36	09/21/2018
Fluorene	0.000100		**0.00163**	0.00200	0	81.5	0.001625	0.27	09/21/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00132**	0.00200	0	66.2	0.001272	4.02	09/21/2018
Naphthalene	0.000200	B	**0.00174**	0.00200	0	87.1	0.001814	4.01	09/21/2018
Phenanthrene	0.000400		**0.00174**	0.00200	0	87.2	0.001926	9.90	09/21/2018
Pyrene	0.000200		**0.00170**	0.00200	0	85.0	0.001813	6.45	09/21/2018
Surr: 2-Fluorobiphenyl			**0.000624**	0.00100		62.4			09/21/2018
Surr: Nitrobenzene-d5			**0.000738**	0.00100		73.8			09/21/2018
Surr: p-Terphenyl-d14			**0.000928**	0.00100		92.8			09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch **145965** **SampType:** **MS** Units **mg/L**

SampID: 18091324-025AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00167**	0.00200	0	83.4	40.5	121	09/21/2018
Acenaphthylene	0.000100		**0.00165**	0.00200	0	82.5	50.9	132	09/21/2018
Anthracene	0.000100		**0.00153**	0.00200	0	76.5	62.1	120	09/21/2018
Benzo(a)anthracene	0.000100		**0.00146**	0.00200	0	72.8	67.8	119	09/21/2018
Benzo(a)pyrene	0.000100	S	**0.00141**	0.00200	0	70.3	73.8	124	09/21/2018
Benzo(b)fluoranthene	0.000100	S	**0.00136**	0.00200	0	68.0	73.3	119	09/21/2018
Benzo(g,h,i)perylene	0.000100		**0.00151**	0.00200	0	75.4	56.3	139	09/21/2018
Benzo(k)fluoranthene	0.000100		**0.00166**	0.00200	0	83.0	69.5	115	09/21/2018
Chrysene	0.000100		**0.00172**	0.00200	0	86.0	69	112	09/21/2018
Dibenzo(a,h)anthracene	0.000100		**0.00144**	0.00200	0	72.1	66.1	135	09/21/2018
Fluoranthene	0.000200		**0.00173**	0.00200	0	86.4	69.4	117	09/21/2018
Fluorene	0.000100		**0.00154**	0.00200	0	76.8	54.3	116	09/21/2018
Indeno(1,2,3-cd)pyrene	0.000100	S	**0.00111**	0.00200	0	55.7	62.5	136	09/21/2018
Naphthalene	0.000200	B	**0.00170**	0.00200	0	84.9	34.6	129	09/21/2018
Phenanthrene	0.000400		**0.00163**	0.00200	0	81.6	62.4	108	09/21/2018
Pyrene	0.000200		**0.00165**	0.00200	0	82.6	64.2	118	09/21/2018
Surr: 2-Fluorobiphenyl			**0.000615**	0.00100		61.5	10	164	09/21/2018
Surr: Nitrobenzene-d5			**0.000666**	0.00100		66.6	10.3	142	09/21/2018
Surr: p-Terphenyl-d14			**0.000962**	0.00100		96.2	47.1	148	09/21/2018

Batch **145965** **SampType:** **MSD** Units **mg/L** RPD Limit **40**

SampID: 18091324-025AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00168**	0.00200	0	84.0	0.001669	0.73	09/21/2018
Acenaphthylene	0.000100		**0.00173**	0.00200	0	86.3	0.001649	4.60	09/21/2018
Anthracene	0.000100		**0.00160**	0.00200	0	80.1	0.001530	4.60	09/21/2018
Benzo(a)anthracene	0.000100		**0.00156**	0.00200	0	77.8	0.001455	6.63	09/21/2018
Benzo(a)pyrene	0.000100	S	**0.00147**	0.00200	0	73.3	0.001405	4.22	09/21/2018
Benzo(b)fluoranthene	0.000100	S	**0.00137**	0.00200	0	68.4	0.001361	0.48	09/21/2018
Benzo(g,h,i)perylene	0.000100		**0.00145**	0.00200	0	72.7	0.001508	3.72	09/21/2018
Benzo(k)fluoranthene	0.000100		**0.00163**	0.00200	0	81.3	0.001660	2.10	09/21/2018
Chrysene	0.000100		**0.00176**	0.00200	0	87.8	0.001719	2.08	09/21/2018
Dibenzo(a,h)anthracene	0.000100		**0.00145**	0.00200	0	72.3	0.001441	0.39	09/21/2018
Fluoranthene	0.000200		**0.00170**	0.00200	0	85.0	0.001729	1.64	09/21/2018
Fluorene	0.000100		**0.00156**	0.00200	0	78.2	0.001537	1.77	09/21/2018
Indeno(1,2,3-cd)pyrene	0.000100	S	**0.00111**	0.00200	0	55.5	0.001115	0.47	09/21/2018
Naphthalene	0.000200	B	**0.00172**	0.00200	0	85.8	0.001697	1.07	09/21/2018
Phenanthrene	0.000400		**0.00167**	0.00200	0	83.3	0.001631	2.06	09/21/2018
Pyrene	0.000200		**0.00169**	0.00200	0	84.3	0.001652	2.01	09/21/2018
Surr: 2-Fluorobiphenyl			**0.000630**	0.00100		63.0			09/21/2018
Surr: Nitrobenzene-d5			**0.000704**	0.00100		70.4			09/21/2018
Surr: p-Terphenyl-d14			**0.000932**	0.00100		93.2			09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146012 **SampType:** MBLK Units **mg/L**

SampID: MBLK-146012

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**ND**						09/24/2018
Acenaphthylene	0.000100		**ND**						09/24/2018
Anthracene	0.000100		**ND**						09/24/2018
Benzo(a)anthracene	0.000100		**ND**						09/24/2018
Benzo(a)pyrene	0.000100		**ND**						09/24/2018
Benzo(b)fluoranthene	0.000100		**ND**						09/24/2018
Benzo(g,h,i)perylene	0.000100		**ND**						09/24/2018
Benzo(k)fluoranthene	0.000100		**ND**						09/24/2018
Chrysene	0.000100		**ND**						09/24/2018
Dibenzo(a,h)anthracene	0.000100		**ND**						09/24/2018
Fluoranthene	0.000200		**ND**						09/24/2018
Fluorene	0.000100		**ND**						09/24/2018
Indeno(1,2,3-cd)pyrene	0.000100		**ND**						09/24/2018
Naphthalene	0.000200		**ND**						09/24/2018
Phenanthrene	0.000400		**ND**						09/24/2018
Pyrene	0.000200		**ND**						09/24/2018
Surr: 2-Fluorobiphenyl			**0.000693**	0.00100(		69.3	34.1	131	09/24/2018
Surr: Nitrobenzene-d5			**0.000748**	0.00100(		74.8	35.1	136	09/24/2018
Surr: p-Terphenyl-d14			**0.00109**	0.00100(		109.3	38.3	195	09/24/2018

Batch 146012 **SampType:** LCS Units **mg/L**

SampID: LCS-146012

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00173**	0.00200(	0	86.6	53.8	111	09/24/2018
Acenaphthylene	0.000100		**0.00186**	0.00200(	0	92.8	55.3	112	09/24/2018
Anthracene	0.000100		**0.00166**	0.00200(	0	82.9	56.5	111	09/24/2018
Benzo(a)anthracene	0.000100		**0.00176**	0.00200(	0	88.1	52.8	121	09/24/2018
Benzo(a)pyrene	0.000100		**0.00168**	0.00200(	0	83.9	56.9	127	09/24/2018
Benzo(b)fluoranthene	0.000100		**0.00155**	0.00200(	0	77.4	50.8	132	09/24/2018
Benzo(g,h,i)perylene	0.000100		**0.00169**	0.00200(	0	84.5	37.6	151	09/24/2018
Benzo(k)fluoranthene	0.000100		**0.00175**	0.00200(	0	87.7	56.6	125	09/24/2018
Chrysene	0.000100		**0.00198**	0.00200(	0	99.0	39.6	124	09/24/2018
Dibenzo(a,h)anthracene	0.000100		**0.00164**	0.00200(	0	81.8	42.6	144	09/24/2018
Fluoranthene	0.000200		**0.00172**	0.00200(	0	85.8	55.3	130	09/24/2018
Fluorene	0.000100		**0.00164**	0.00200(	0	82.2	53.2	118	09/24/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00136**	0.00200(	0	68.2	48.4	151	09/24/2018
Naphthalene	0.000200		**0.00172**	0.00200(	0	86.0	50.6	108	09/24/2018
Phenanthrene	0.000400		**0.00174**	0.00200(	0	87.1	56.1	125	09/24/2018
Pyrene	0.000200		**0.00164**	0.00200(	0	81.9	52.7	129	09/24/2018
Surr: 2-Fluorobiphenyl			**0.000688**	0.00100(		68.8	34.1	131	09/24/2018
Surr: Nitrobenzene-d5			**0.000754**	0.00100(		75.4	35.1	136	09/24/2018
Surr: p-Terphenyl-d14			**0.000996**	0.00100(		99.6	38.3	195	09/24/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146012 **SampType:** LCSD Units **mg/L** RPD Limit **40**

SampID: LCSD-146012

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00166**	0.00200	0	82.9	0.001733	4.44	09/24/2018
Acenaphthylene	0.000100		**0.00168**	0.00200	0	84.0	0.001856	9.90	09/24/2018
Anthracene	0.000100		**0.00158**	0.00200	0	79.0	0.001657	4.71	09/24/2018
Benzo(a)anthracene	0.000100		**0.00154**	0.00200	0	77.0	0.001761	13.37	09/24/2018
Benzo(a)pyrene	0.000100		**0.00166**	0.00200	0	83.0	0.001679	1.11	09/24/2018
Benzo(b)fluoranthene	0.000100		**0.00143**	0.00200	0	71.5	0.001547	7.91	09/24/2018
Benzo(g,h,i)perylene	0.000100		**0.00156**	0.00200	0	77.8	0.001690	8.28	09/24/2018
Benzo(k)fluoranthene	0.000100		**0.00163**	0.00200	0	81.7	0.001755	7.08	09/24/2018
Chrysene	0.000100		**0.00170**	0.00200	0	85.0	0.001980	15.27	09/24/2018
Dibenzo(a,h)anthracene	0.000100		**0.00151**	0.00200	0	75.4	0.001635	8.11	09/24/2018
Fluoranthene	0.000200		**0.00168**	0.00200	0	83.8	0.001716	2.33	09/24/2018
Fluorene	0.000100		**0.00157**	0.00200	0	78.6	0.001644	4.42	09/24/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00102**	0.00200	0	51.2	0.001364	28.39	09/24/2018
Naphthalene	0.000200		**0.00162**	0.00200	0	81.1	0.001720	5.94	09/24/2018
Phenanthrene	0.000400		**0.00169**	0.00200	0	84.5	0.001742	3.04	09/24/2018
Pyrene	0.000200		**0.00161**	0.00200	0	80.7	0.001638	1.43	09/24/2018
Surr: 2-Fluorobiphenyl			**0.000622**	0.00100		62.2			09/24/2018
Surr: Nitrobenzene-d5			**0.000691**	0.00100		69.1			09/24/2018
Surr: p-Terphenyl-d14			**0.000890**	0.00100		89.0			09/24/2018

Batch 146012 **SampType:** MS Units **mg/L**

SampID: 18091324-024AMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Acenaphthene	0.000100		**0.00229**	0.00200	0.0005393	87.6	40.5	121	09/24/2018
Acenaphthylene	0.000100		**0.00315**	0.00200	0.001274	94.0	50.9	132	09/24/2018
Anthracene	0.000100		**0.00188**	0.00200	0	94.0	62.1	120	09/24/2018
Benzo(a)anthracene	0.000100		**0.00168**	0.00200	0	84.1	67.8	119	09/24/2018
Benzo(a)pyrene	0.000100		**0.00164**	0.00200	0	81.8	73.8	124	09/24/2018
Benzo(b)fluoranthene	0.000100		**0.00153**	0.00200	0	76.6	73.3	119	09/24/2018
Benzo(g,h,i)perylene	0.000100		**0.00170**	0.00200	0	84.8	56.3	139	09/24/2018
Benzo(k)fluoranthene	0.000100		**0.00183**	0.00200	0	91.3	69.5	115	09/24/2018
Chrysene	0.000100		**0.00183**	0.00200	0	91.4	69	112	09/24/2018
Dibenzo(a,h)anthracene	0.000100		**0.00166**	0.00200	0	83.1	66.1	135	09/24/2018
Fluoranthene	0.000200		**0.00198**	0.00200	0	99.0	69.4	117	09/24/2018
Fluorene	0.000100		**0.00163**	0.00200	0	81.5	54.3	116	09/24/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00136**	0.00200	0	67.8	62.5	136	09/24/2018
Naphthalene	0.000200		**0.00186**	0.00200	0	92.8	34.6	129	09/24/2018
Phenanthrene	0.000400		**0.00179**	0.00200	0	89.6	62.4	108	09/24/2018
Pyrene	0.000200		**0.00189**	0.00200	0	94.4	64.2	118	09/24/2018
Surr: 2-Fluorobiphenyl			**0.000714**	0.00100		71.4	10	164	09/24/2018
Surr: Nitrobenzene-d5			**0.000756**	0.00100		75.6	10.3	142	09/24/2018
Surr: p-Terphenyl-d14			**0.00106**	0.00100		106.4	47.1	148	09/24/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146012 **SampType:** MSD Units **mg/L** RPD Limit **40**

SampID: 18091324-024AMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Acenaphthene	0.000100		**0.00239**	0.00200	0.0005393	92.5	0.002292	4.14	09/24/2018
Acenaphthylene	0.000100		**0.00330**	0.00200	0.001274	101.6	0.003153	4.70	09/24/2018
Anthracene	0.000100		**0.00181**	0.00200	0	90.5	0.001880	3.83	09/24/2018
Benzo(a)anthracene	0.000100		**0.00168**	0.00200	0	84.0	0.001682	0.03	09/24/2018
Benzo(a)pyrene	0.000100		**0.00165**	0.00200	0	82.4	0.001637	0.74	09/24/2018
Benzo(b)fluoranthene	0.000100		**0.00151**	0.00200	0	75.7	0.001532	1.09	09/24/2018
Benzo(g,h,i)perylene	0.000100		**0.00166**	0.00200	0	82.9	0.001696	2.24	09/24/2018
Benzo(k)fluoranthene	0.000100		**0.00172**	0.00200	0	86.0	0.001826	6.03	09/24/2018
Chrysene	0.000100		**0.00185**	0.00200	0	92.4	0.001828	1.13	09/24/2018
Dibenzo(a,h)anthracene	0.000100		**0.00173**	0.00200	0	86.3	0.001663	3.69	09/24/2018
Fluoranthene	0.000200		**0.00192**	0.00200	0	96.2	0.001979	2.78	09/24/2018
Fluorene	0.000100		**0.00175**	0.00200	0	87.4	0.001630	6.99	09/24/2018
Indeno(1,2,3-cd)pyrene	0.000100		**0.00143**	0.00200	0	71.6	0.001357	5.35	09/24/2018
Naphthalene	0.000200		**0.00182**	0.00200	0	91.0	0.001855	1.95	09/24/2018
Phenanthrene	0.000400		**0.00188**	0.00200	0	94.1	0.001793	4.82	09/24/2018
Pyrene	0.000200		**0.00180**	0.00200	0	90.2	0.001887	4.49	09/24/2018
Surr: 2-Fluorobiphenyl			**0.000723**	0.00100		72.3			09/24/2018
Surr: Nitrobenzene-d5			**0.000775**	0.00100		77.5			09/24/2018
Surr: p-Terphenyl-d14			**0.00105**	0.00100		104.9			09/24/2018

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

Batch 146010 **SampType:** MBLK Units **µg/L**

SampID: MBLK-R180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						09/21/2018
Ethylbenzene	2.0		**ND**						09/21/2018
Toluene	2.0		**ND**						09/21/2018
Xylenes, Total	2.0		**ND**						09/21/2018
Surr: 1,2-Dichloroethane-d4			**49.9**	50.00		99.9	79.6	118	09/21/2018
Surr: 4-Bromofluorobenzene			**50.8**	50.00		101.7	83.9	115	09/21/2018
Surr: Dibromofluoromethane			**49.2**	50.00		98.4	84.9	113	09/21/2018
Surr: Toluene-d8			**48.7**	50.00		97.4	86.7	112	09/21/2018

Batch 146010 **SampType:** LCSD Units **µg/L** RPD Limit **40**

SampID: LCSD-R180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**51.3**	50.00	0	102.6	51.91	1.20	09/21/2018
Ethylbenzene	2.0		**49.5**	50.00	0	99.0	49.83	0.70	09/21/2018
Toluene	2.0		**49.4**	50.00	0	98.8	49.98	1.15	09/21/2018
Xylenes, Total	2.0		**148**	150.0	0	98.4	148.7	0.71	09/21/2018
Surr: 1,2-Dichloroethane-d4			**50.1**	50.00		100.2			09/21/2018
Surr: 4-Bromofluorobenzene			**50.0**	50.00		99.9			09/21/2018
Surr: Dibromofluoromethane			**50.3**	50.00		100.5			09/21/2018
Surr: Toluene-d8			**49.0**	50.00		98.0			09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146010 **SampType:** LCS Units µg/L

SampID: LCS-R180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**51.9**	50.00	0	103.8	77.8	120	09/21/2018
Ethylbenzene	2.0		**49.8**	50.00	0	99.7	81.8	117	09/21/2018
Toluene	2.0		**50.0**	50.00	0	100.0	82.2	113	09/21/2018
Xylenes, Total	2.0		**149**	150.0	0	99.1	82.7	118	09/21/2018
Surr: 1,2-Dichloroethane-d4			**49.2**	50.00		98.4	79.6	118	09/21/2018
Surr: 4-Bromofluorobenzene			**49.5**	50.00		98.9	83.9	115	09/21/2018
Surr: Dibromofluoromethane			**50.5**	50.00		101.0	84.9	113	09/21/2018
Surr: Toluene-d8			**49.3**	50.00		98.6	86.7	112	09/21/2018

Batch 146015 **SampType:** MBLK Units µg/L

SampID: MBLK-T180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						09/21/2018
Ethylbenzene	2.0		**ND**						09/21/2018
Toluene	2.0		**ND**						09/21/2018
Xylenes, Total	2.0		**ND**						09/21/2018
Surr: 1,2-Dichloroethane-d4			**47.0**	50.00		93.9	79.6	118	09/21/2018
Surr: 4-Bromofluorobenzene			**48.5**	50.00		97.0	83.9	115	09/21/2018
Surr: Dibromofluoromethane			**50.2**	50.00		100.5	84.9	113	09/21/2018
Surr: Toluene-d8			**48.4**	50.00		96.7	86.7	112	09/21/2018

Batch 146015 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: LCSD-T180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**56.8**	50.00	0	113.6	50.83	11.06	09/21/2018
Ethylbenzene	2.0		**54.5**	50.00	0	109.0	48.55	11.53	09/21/2018
Toluene	2.0		**52.5**	50.00	0	105.1	48.01	9.01	09/21/2018
Xylenes, Total	2.0		**159**	150.0	0	105.9	142.9	10.62	09/21/2018
Surr: 1,2-Dichloroethane-d4			**47.0**	50.00		94.0			09/21/2018
Surr: 4-Bromofluorobenzene			**46.1**	50.00		92.2			09/21/2018
Surr: Dibromofluoromethane			**51.4**	50.00		102.9			09/21/2018
Surr: Toluene-d8			**48.3**	50.00		96.7			09/21/2018

Batch 146015 **SampType:** LCS Units µg/L

SampID: LCS-T180921A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**50.8**	50.00	0	101.7	77.8	120	09/21/2018
Ethylbenzene	2.0		**48.6**	50.00	0	97.1	81.8	117	09/21/2018
Toluene	2.0		**48.0**	50.00	0	96.0	82.2	113	09/21/2018
Xylenes, Total	2.0		**143**	150.0	0	95.3	82.7	118	09/21/2018
Surr: 1,2-Dichloroethane-d4			**46.4**	50.00		92.7	79.6	118	09/21/2018
Surr: 4-Bromofluorobenzene			**46.7**	50.00		93.4	83.9	115	09/21/2018
Surr: Dibromofluoromethane			**51.1**	50.00		102.3	84.9	113	09/21/2018
Surr: Toluene-d8			**48.4**	50.00		96.9	86.7	112	09/21/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146015 **SampType:** MS Units µg/L

SampID: 18091324-024DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**47.3**	50.00	0	94.6	62.5	121	09/21/2018
Ethylbenzene	2.0		**45.5**	50.00	0.2100	90.6	74.4	130	09/21/2018
Toluene	2.0		**42.7**	50.00	0	85.5	69.5	118	09/21/2018
Xylenes, Total	2.0		**87.9**	100.0	0	87.9	71.1	125	09/21/2018
Surr: 1,2-Dichloroethane-d4			**47.1**	50.00		94.3	74.7	129	09/21/2018
Surr: 4-Bromofluorobenzene			**47.3**	50.00		94.6	86	119	09/21/2018
Surr: Dibromofluoromethane			**50.0**	50.00		100.0	81.7	123	09/21/2018
Surr: Toluene-d8			**47.6**	50.00		95.1	84.3	114	09/21/2018

Batch 146015 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 18091324-024DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**48.8**	50.00	0	97.6	47.30	3.14	09/21/2018
Ethylbenzene	2.0		**45.9**	50.00	0.2100	91.5	45.52	0.92	09/21/2018
Toluene	2.0		**43.8**	50.00	0	87.6	42.74	2.50	09/21/2018
Xylenes, Total	2.0		**89.1**	100.0	0	89.1	87.93	1.31	09/21/2018
Surr: 1,2-Dichloroethane-d4			**46.6**	50.00		93.2			09/21/2018
Surr: 4-Bromofluorobenzene			**47.6**	50.00		95.1			09/21/2018
Surr: Dibromofluoromethane			**50.6**	50.00		101.2			09/21/2018
Surr: Toluene-d8			**47.6**	50.00		95.3			09/21/2018

Batch 146081 **SampType:** MBLK Units µg/L

SampID: MBLK-R180925A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**ND**						09/25/2018
Ethylbenzene	2.0		**ND**						09/25/2018
Toluene	2.0		**ND**						09/25/2018
Xylenes, Total	2.0		**ND**						09/25/2018
Surr: 1,2-Dichloroethane-d4			**50.1**	50.00		100.1	79.6	118	09/25/2018
Surr: 4-Bromofluorobenzene			**51.0**	50.00		101.9	83.9	115	09/25/2018
Surr: Dibromofluoromethane			**50.5**	50.00		101.0	84.9	113	09/25/2018
Surr: Toluene-d8			**48.3**	50.00		96.5	86.7	112	09/25/2018

Batch 146081 **SampType:** LCSD Units µg/L RPD Limit **40**

SampID: LCSD-R180925A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Benzene	0.5		**50.6**	50.00	0	101.2	49.94	1.31	09/25/2018
Ethylbenzene	2.0		**48.2**	50.00	0	96.5	47.06	2.48	09/25/2018
Toluene	2.0		**47.9**	50.00	0	95.9	47.17	1.60	09/25/2018
Xylenes, Total	2.0		**143**	150.0	0	95.5	140.8	1.68	09/25/2018
Surr: 1,2-Dichloroethane-d4			**50.4**	50.00		100.7			09/25/2018
Surr: 4-Bromofluorobenzene			**50.0**	50.00		100.0			09/25/2018
Surr: Dibromofluoromethane			**51.1**	50.00		102.2			09/25/2018
Surr: Toluene-d8			**48.4**	50.00		96.7			09/25/2018

Client: ERM **Work Order:** 18091324

Client Project: Champaign GW **Report Date:** 26-Sep-18

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

Batch 146081 **SampType:** LCS Units **µg/L**

SampID: LCS-R180925A-1

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Benzene	0.5		**49.9**	50.00	0	99.9	77.8	120	09/25/2018
Ethylbenzene	2.0		**47.1**	50.00	0	94.1	81.8	117	09/25/2018
Toluene	2.0		**47.2**	50.00	0	94.3	82.2	113	09/25/2018
Xylenes, Total	2.0		**141**	150.0	0	93.9	82.7	118	09/25/2018
Surr: 1,2-Dichloroethane-d4			**50.9**	50.00		101.8	79.6	118	09/25/2018
Surr: 4-Bromofluorobenzene			**49.5**	50.00		99.0	83.9	115	09/25/2018
Surr: Dibromofluoromethane			**51.1**	50.00		102.3	84.9	113	09/25/2018
Surr: Toluene-d8			**48.4**	50.00		96.8	86.7	112	09/25/2018

Receiving Check List

http://www.teklabinc.com/

Client: ERM
Client Project: Champaign GW

Work Order: 18091324
Report Date: 26-Sep-18

Carrier: Employee

Completed by: Nathan Harer
On: 20-Sep-18

Received By: NH

Reviewed by: Elizabeth A. Hurley
On: 20-Sep-18

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

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C **1.42**
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐	Dry Ice ☐
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐		
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.				
Water – at least one vial per sample has zero headspace?	Yes ☑	No ☐	No VOA vials ☐	
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	NA ☐	
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑	

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

Additional Sodium Hydroxide was in all samples for Cyanide analysis except 105, 106R, 109, 120, 123, 124, 125, 127, Dup 002, and EB-01-WQ upon arrival at the laboratory. - nharer - 9/20/2018 4:05:54 PM

Trip Blank collection date and time will be reported as the received date and time (end of trip). - ehurley - 9/20/2018 4:23:06 PM

CHAIN OF CUSTODY

pg. 1 of 4 Work order # 1804324

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:	~~Tom Stiegemeier~~ Greg Moore
Phone:	(314) 682-3980
E-Mail:	tom.stiegemeier@erm.com
Fax:	

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 1.4 °C

Preserved in: [X] LAB [ ] FIELD

FOR LAB USE ONLY

Lab Notes: Additional NaOH added to all samples except: 105, 106R, 109, 121, 123, 124, 125, 127, Dup 002, and EB-01-WG 9/20/18

Client Comments 1 EPA Tier 1 Class 1 RO's

QHS 9/20 20 mg/L TE

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	Greg Moore

Results Requested

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

Billing Instructions

Bill per e AmerenRates

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
1804324-001	UMW-102-WG-20180917	9/17/18 1710	1	1	1	2	X	X	X	X	X
-002	UMW-105-WG-20180919	9/19/18 1415	1	1	1	2	X	X	X	X	X
-003	UMW-106R-WG-20180918	9/18/18 1150	1	1	1	2	X	X	X	X	X
-004	UMW-107R-WG-20180918	9/18/18 1645	1	1	1	2	X	X	X	X	X
-005	UMW-108-WG-20180918	9/18/18 900	1	1	1	2	X	X	X	X	X
-006	UMW-109-WG-20180917	9/17/18 1715	1	1	1	2	X	X	X	X	X
-007	UMW-111A-WG-20180917	9/17/18 1425	1	1	1	2	X	X	X	X	X
-008	UMW-116-WG-20180918	9/18/18 1025	1	1	1	2	X	X	X	X	X
-009	UMW-117-WG-20180918	9/18/18 1140	1	1	1	2	X	X	X	X	X
-010	UMW-118-WG-20180918	9/18/18 845	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
	9/20/18 1522		9/20/18 1522

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: 46155

9/20/18 NA

CHAIN OF CUSTODY

pg. 2 of 4 Work order # 1809132

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:	~~Tom Stiegemeier~~ Greg Moore
Phone:	(314) 682-3980
E-Mail:	tom.stiegemeier@erm.com
Fax:	

Samples on: [X] ICE [ ] BLUE ICE [ ] NO ICE 1.4 °C

Preserved in: [ ] LAB [ ] FIELD

FOR LAB USE ONLY

Lab Notes: UMW-300-WG-201809 time of collection per sample bottle * Greg 9/20/18

Client Comments IEPA Tier 1 Class 1 RO's

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	Greg Moore

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: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
1809132-011	UMW-119-WG-201809 17	9/17/18 1545	1	1	1	2	X	X	X	X	X
-012	UMW-120-WG-201809 17	9/17/18 1610	1	1	1	2	X	X	X	X	X
-013	UMW-121-WG-201809 19 (201809 19)	9/19/18 1335	1	1	1	2	X	X	X	X	X
-014	UMW-122-WG-201809 18	9/18/18 1405	1	1	1	2	X	X	X	X	X
-015	UMW-123-WG-201809 18	9/18/18 1345	1	1	1	2	X	X	X	X	X
-016	UMW-124-WG-201809 19	9/19/18 845	1	1	1	2	X	X	X	X	X
-017	UMW-125-WG-201809 19	9/19/18 820	1	1	1	2	X	X	X	X	X
-018	UMW-126-WG-201809 19	9/19/18 1050	1	1	1	2	X	X	X	X	X
-019	UMW-127-WG-201809 19	9/19/18 1040	1	1	1	2	X	X	X	X	X
-020	UMW-300-WG-201809 17	9/17 1145*	1	1	1	2	X	X	X	X	X

Relinquished By	Date/Time	Received By	Date/Time
Dan A Stygn	9/20/18 1522		9/20/18 1522

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BottleOrder: 46155

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 1809132U

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:	~~Tom Stiegemeier~~ Greg Moore
Phone:	(314) 682-3980
E-Mail:	tom.stiegemeier@erm.com
Fax:	

Samples on: [x] ICE [x] BLUE ICE [x] NO ICE 1.4 °C

Preserved in: [x] LAB [x] FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments IEPA TIER 1 CLASS GW RO's

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	Greg Moore

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: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A	
1809132U-021	UMW-301R-WG-201809 19	9/19/18 1630	1	1	1	2	X	X	X	X	X	
-022	UMW-302-WG-201809 19	9/19/18 1325	1	1	1	2	X	X	X	X	X	
-023	UMW-303-WG-201809 18	9/18/18 1035	1	1	1	2	X	X	X	X	X	
-024	UMW-304R-WG-201809 19	9/19/18 925	1	1	1	2	X	X	X	X	X	MS/MSD 2
-025	UMW-305-WG-201809 18	9/18/18 1610	1	1	1	2	X	X	X	X	X	MS/MSD 1
-026	UMW-306-WG-201809 18	9/18/18 1530	1	1	1	2	X	X	X	X	X	
-027	UMW-307-WG-201809 18	9/18/18 1505	1	1	1	2	X	X	X	X	X	
-028	UMW-308-WG-201809 19	9/19/18 950	1	1	1	2	X	X	X	X	X	
-029	DUP 001-WG-201809 18	9/18/18 —	1	1	1	2	X	X	X	X	X	
-030	DUP 002-WG-201809 19	9/19/18 —	1	1	1	2	X	X	X	X	X	

Relinquished By	Date/Time	Received By	Date/Time
Tom Stiegemeier	9/20/18 1522	9/20/18	9/20/18 1522

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: 46155

CHAIN OF CUSTODY

pg. 4 of 4 Work order # 1809324

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:	~~Tom Stiegemeier~~ Greg Moore **Phone:** (314) 682-3980
E-Mail:	tom.stiegemeier@erm.com **Fax:**

Samples on: ☒ ICE ☐ BLUE ICE ☐ NO ICE 1.42 °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes:

Client Comments KEPA Tier 1 Class 1 GW RO's

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	Greg Moore

Results Requested

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

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNP	HNO3	NaOH	HCl	MATRIX: Groundwater	INDICATE ANALYSIS REQUESTED: BTEX 8260	PAH 8270 SIM	Total 8 RCRA Metals	Total Cyanide 9012A
1809324-031	DUP 003-WG-201809 19	9/19/19 —	1	1	1	2	X	X	X	X	X
-032	EB-01-WQ-201809 19	9/19/19 820	1	1	1	2	X	X	X	X	X
-033	TB-01-WQ-201809					2	X	X			
	~~MS/MSD 1~~		~~2~~	~~1~~	~~1~~	~~4~~	X	X	X	X	X
	~~MS/MSD 2~~		~~2~~	~~1~~	~~1~~	~~4~~	X	X	X	X	X
	~~EXTRA SET 1~~		~~1~~	~~1~~	~~1~~	~~2~~	X	X	X	X	X
	~~EXTRA SET 2~~		~~1~~	~~1~~	~~1~~	~~2~~	X	X	X	X	X

MS/MSD includes with PH# 305 304R

Relinquished By	Date/Time	Received By	Date/Time
Tom Stiegemeier	9/20/19 1522	9/20/19	9/20/19 1522

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BottleOrder: 46155